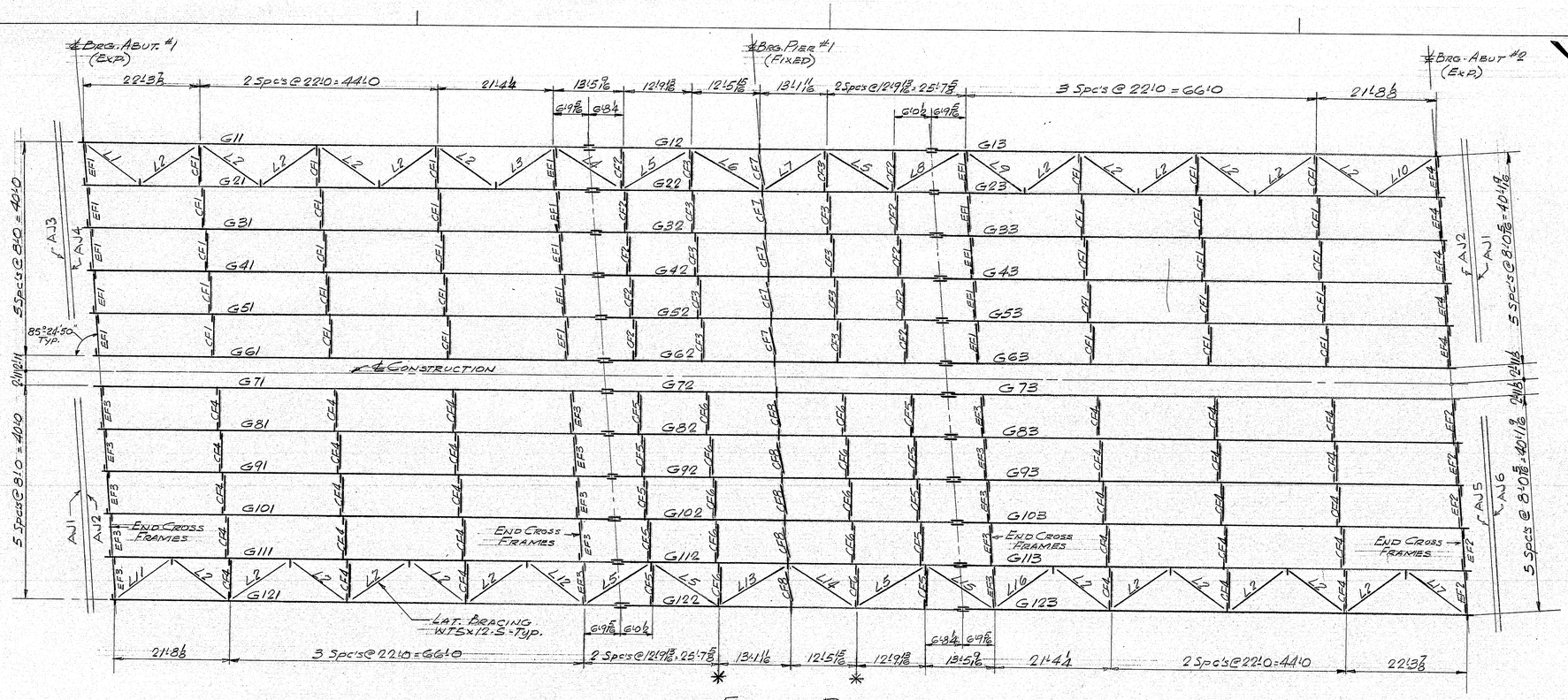
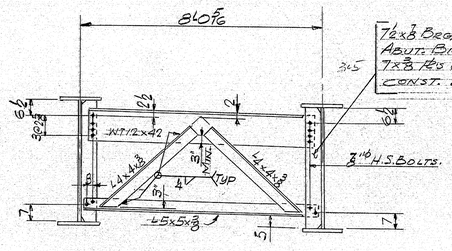


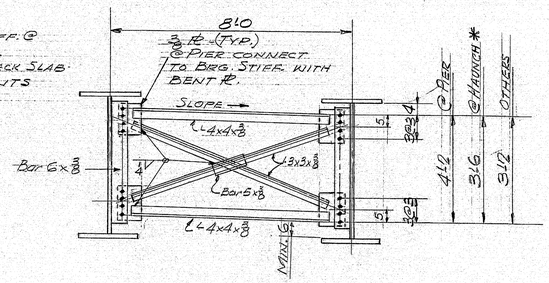
FRAMING PLAN

ALL DIMENSIONS HORIZONTAL



END CROSS FRAMES

3/8 ϕ x 2 1/4 @ CONST. JOINT (240 ±)
3/8 ϕ x 2 3/4 @ ABUTMENTS (240 ±)

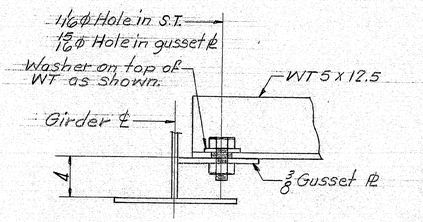


INTERMEDIATE CROSS FRAMES

3/8 ϕ x 2 1/4 @ INT. (1600 ±)
3/8 ϕ x 3 @ PIERS (160 ±)

NOTE

FORM BRACKET HOLES ARE TO BE PLUGGED WITH 3/8" x 1 1/2 CARRIAGE BOLTS, HEADS TO BE ON OUTSIDE. HOLES ARE TO BE COMPLETELY COVERED, TACK WELD NUTS TO GIRDER WEB.



TYP. AT LATERAL BRACING
Only one 3/8 ϕ x 2 1/4 H.S. Bolt shown. (4 Req'd.)

FED. PROJ. NO.: I 95-5(7)75

FRAMING PLAN

PRINT DIST.			
F.A.	2-11-72	2	
BREWER	2-22-72	1	SEP.
F.A.	2-22-72	8	
CUST.	3-16-72	2	

Bancroft & Martin Inc.
South Portland, Maine 04106

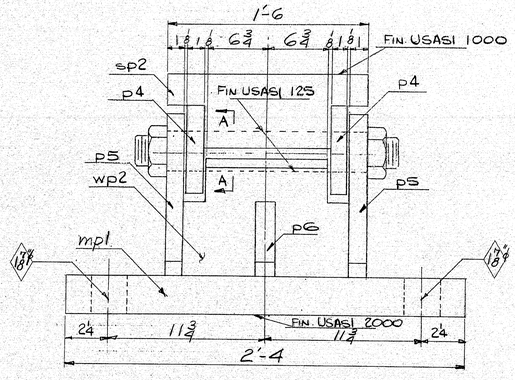
JOB: RT. 196 OVER I-95
TOPSHAM, MAINE

CUSTOMER: REED & REED

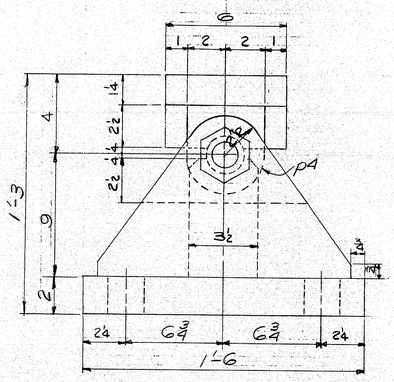
DESIGNER: ME. S.H.C. BRIDGE DIV.

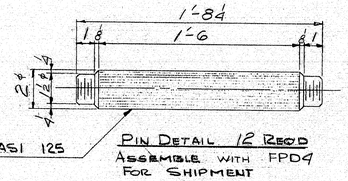
REV.			ORDER NO.	JOB NO.	DRAWING NO.
CHECKED		✓			
DRAWN	2-2-72	JPF		B72-29	E1

155-138

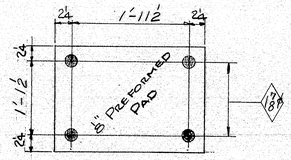


FIXED PEDESTAL - FPD4 12-REQ'D

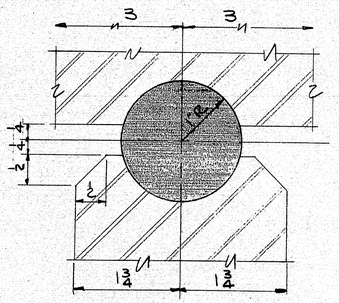




PIN DETAIL 12 REQD
ASSEMBLE WITH FPD4 FOR SHIPMENT



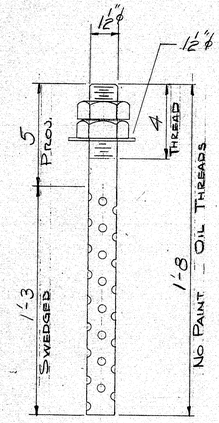
FP1 12 REQ'D



SECTION A-A

PIN NOTE:
THE DIAMETER OF THE PIN HOLE SHALL NOT EXCEED THAT OF THE PIN BY MORE THAN $\frac{1}{50}$ INCH.

PAINT NOTE:
NO PAINT ON TOP OF SOLE PLATES AND 1" DOWN FROM TOP ON SIDES; COAT WITH BOILED LINSEED OIL.
NO PAINT ON SURFACES WITH USASI 125 FINISH, COAT WITH MIXTURE OF WHITE LEAD AND TALLOW.
NO PAINT ON ANCHOR BOLTS - OIL THREADS.
MASONRY PLATES SHALL RECEIVE 2 COATS OF SHOP PAINT.



AB1 48 REQ'D

SHIP	BILL OF MATERIAL	JOB NO. B72-29	DWG. NO. 51-1

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
FPD4	12		SHOP ASSEMBLY				
	12	mp1	PL 2 x 18	2 4		53	
	24	p4	BAR 4 x 1	0 4⅜		57	
	24	p5	PL 1 x 11	1 4½		55	
	24	pG	BAR 6¼ x 1	0 6½		56	
	12	wp2	PL 3½ x 8⅜	1 4		49	
	12	sp2	BAR 3¾ x 6	1 6		47	
FP1	12		Pad ½ x 18	2 4			PREFORMED PAD REQ. NE 2156
	12	SHOP	2"ø ROD	1 8½		61	
	24	Do	1½"ø NUTS				Recessed Pin
AB1	48		1½ø ROD	1 8		63	SWEDGED
	96	SHOP	1½ HEX NUTS			64	
	48	Do	1½ STD WASHER			65	

ITEM NO: 509.70
FED. PROJ. NO. I95-5(7)75

STEEL: ASTM A36
WELDING ELECTRODE SEE WELDING PROCEDURE
SHOP CONN: WELDED - ½" CONT. FILLETS
FIELD CONN: WELDED
HOLES: AS NOTED
PAINT: RED LEAD PER MAINE SPEC. & AS NOTED
SPECIAL CLEANING: BLAST CLEAN
APPROVED: 2-8-72

PEDESTAL DETAILS (FIXED)

REV.	PRINT DIST.		
2	2-7-72	F.A.	
4	2-11-72	SHOP	
3	2-11-72	F&E	
2	3-16-72	CUST.	
CHECKED	2-7-72	JPF.	
DRAWN	2-4-72	W.T.A.	

Bancroft & Martin Inc.
South Portland, Maine 04106

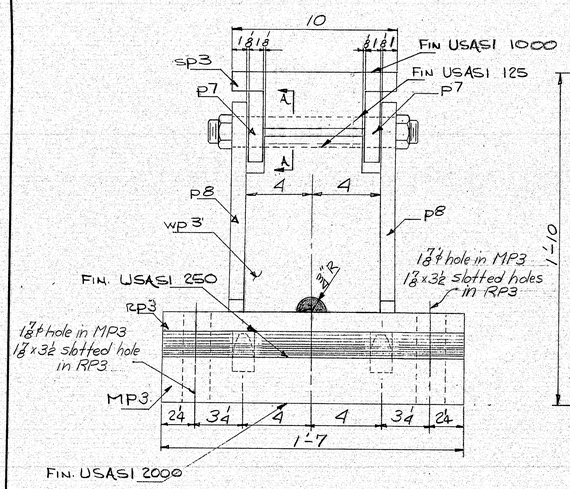
JOB: RTE. 196 OVER I95
TOPSHAM, MAINE

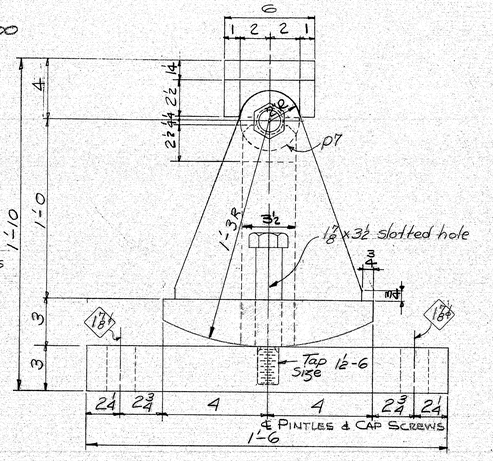
CUSTOMER: REED & REED

DESIGNER: MAINE S.H.C. BRIDGE DIV.

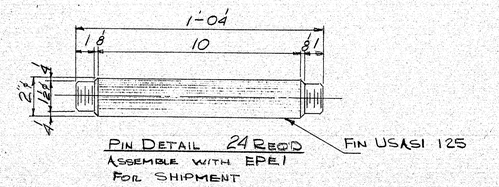
ORDER NO.	JOB NO.	DRAWING NO.
	B72-29	51-1

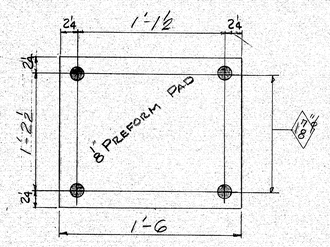
155-139



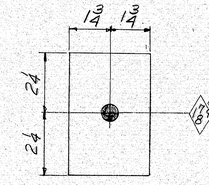


EXPANSION PEDESTAL - EPE1 24 REQ'D

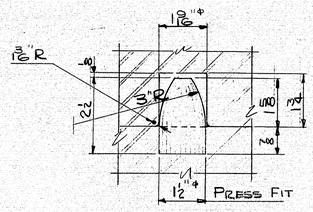




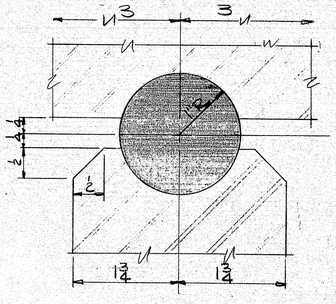
FP3 24 REQ'D



4" PL WASHER DETAIL
PW2-48 REQ'D

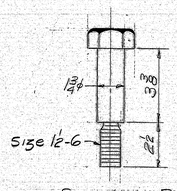


PINTLE DETAIL

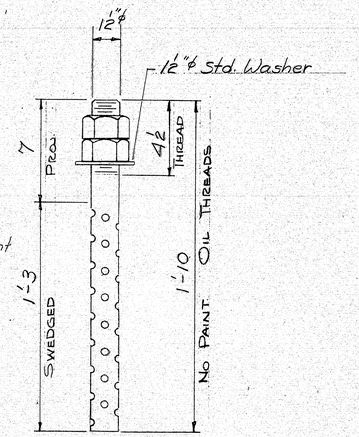


SECTION A-A

PIN NOTE:
THE DIAMETER OF THE PIN HOLE SHALL NOT EXCEED THAT OF THE PIN BY MORE THAN $\frac{1}{50}$ INCH.



SHOULDER BOLT - SB1
48 REQ'D
Bolt to MP3 for Shipment



AB3 - 96 REQ'D

PAINT NOTE:
NO PAINT ON TOP OF SOLE PLATES AND 1" DOWN FROM TOP ON SIDES, COAT WITH BOILED LINSEED OIL.
NO PAINT ON SURFACES WITH USASI 125 FINISH, COAT WITH MIXTURE OF WHITE LEAD AND TALLOW.
NO PAINT ON THE ANCHOR BOLTS - OIL THREADS.
MASONRY PLATES AND BEARING SURFACES OF EXPANSION BEARING ROCKERS USASI 250, SHALL RECEIVE 2 COATS OF SHOP PAINT.

SHIP — BILL OF MATERIAL — JOB NO. B72-29 — DWG. NO. S1-2

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
EPE1	24		SHOP ASSEMBLY				
MP3	24		PL 3x18	1 7		52	
	48	P7	BAR 4x1	0 4 3/4		57	
	48	P8	BAR 6½x1	1 2		54	
	24	RP3	BAR 8x3	1 7		51	
	24	SP3	BAR 6x3¾	0 10		48	
	24	WP3	BAR 8x3½	0 11¾		50	
FP3	24		PAD 8x18	1 7			PREFORMED PAD REG. NO 3456
	24	SHOP	2½ø ROD	1 04		60	
	48	DO	1½ø NUTS				RECESSED PIN
	48	PINTLE	1½ø ROD	0 2½		59	
AB3	96		1½ø ROD	1 10		62	SWEDGED
PW2	48		BAR 3½x¼	0 4½		58	
	192	SHOP	1½ø HEX. NUTS			64	
Field	96		1½ø Std. Washer			65	
	48	SB1	1¾ø Shoulder Bolt	0 5⅞			

ITEM 504.70

FED. PROJ. NO. I95-5(7)75

STEEL: ASTM A36
WELDING ELECTRODE SEE WELDING PROCEDURE
SHOP CONN: WELDED - ½" CONT. FILLET
FIELD CONN: WELDED
HOLES: AS NOTED
PAINT: RED LEAD PER MAINE SPEC. & AS NOTED
SPECIAL CLEANING: BLAST CLEAN
APPROVED: 2-8-72

PEDESTAL DETAILS (EXP.)

PRINT DIST.		
2	2-7-72	F.A.
4	2-11-72	SHOP
8	2-11-72	F&F
2	3-16-72	CUST.
REV.		
CHECKED	2-7-72	J.P.F.
DRAWN	2-5-72	W.T.A.

Bancroft & Martin Inc.
South Portland, Maine 04106

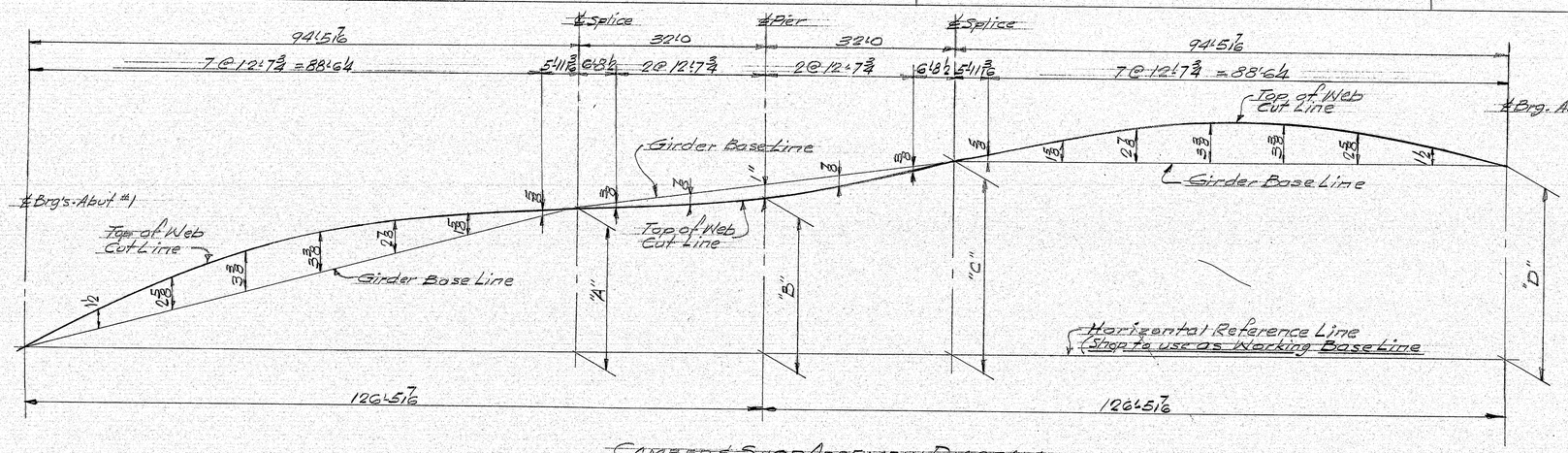
JOB: RTE. 196 OVER I95
TOPSHAM, MAINE

CUSTOMER: REED & REED
DESIGNER: MAINE S.H.C. BRIDGE DIV.

ORDER NO.	JOB NO.	DRAWING NO.
	B72-29	S1-2

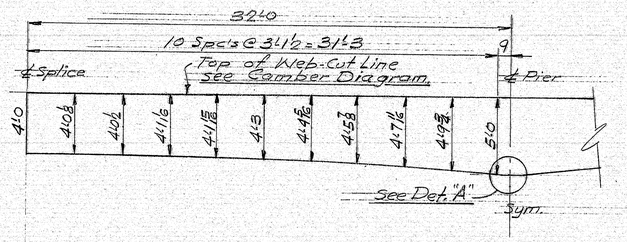
155-140

GRAPHIC CONTROLS CORPORATION Buffalo, New York Printed in U.S.A. ULTRAVEL 8480M



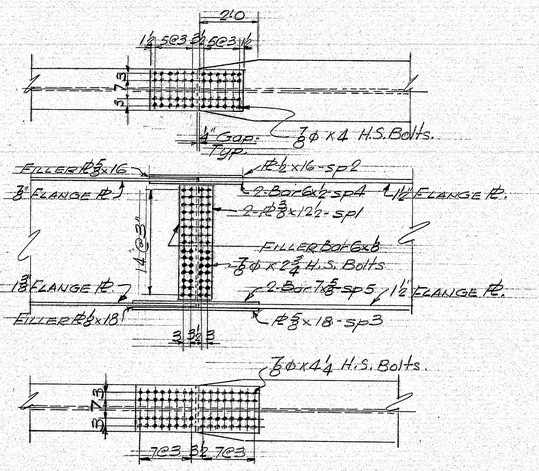
CAMBER & SHOP ASSEMBLY DIAGRAM

LINE	"A"	"B"	"C"	"D"
1	11 3/4	140 3/4	143 3/4	143 3/4
2	11 3/4	140 3/4	143 3/4	143 3/8
3	11 3/4	140 3/4	143 3/4	143 1/2
4	11 3/4	140 3/4	143 3/8	143 3/8
5	11 5/8	140 5/8	143 5/8	143 1/4
6	11 5/8	140 5/8	143 1/2	143 1/8
7	11 5/8	140 5/8	143 1/2	143 1/8
8	11 5/8	140 5/8	143 5/8	143
9	11 1/2	140 1/2	143 1/4	142 3/4
10	11 1/2	140 3/8	143 1/4	142 3/8
11	11 1/2	140 3/8	143 1/8	142 3/4
12	11 1/2	140 3/8	143	142 3/8

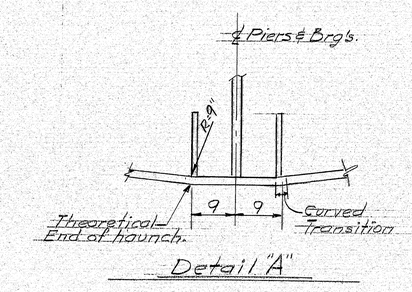


HAUNCH CUTTING DETAIL

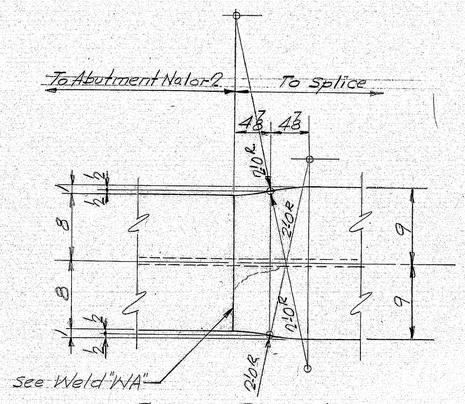
SPLICE NOTE
In order to maintain the 4" gap shown, the webs and flanges are to be cut (with the use of a mechanical guide) at the time of shop assembly.



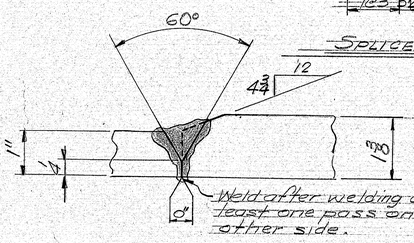
SPLICE DETAIL



Detail "A"



FLANGE PLATE TRANSITION
BOTTOM FLANGE



"WA" (B-126-S)

ADD 2-8-72

FED. PROJ. NO. I95-5(7)75

CAMBER DIAG. & MISC. DETAILS

PRINT	DIST.		
2	2-7-72	EA	
1 Sep	2-11-72	Brewer	
8	2-11-72	F&F	
2	3-16-72	Cust.	

Bancroft & Martin Inc.
South Portland, Maine 04106

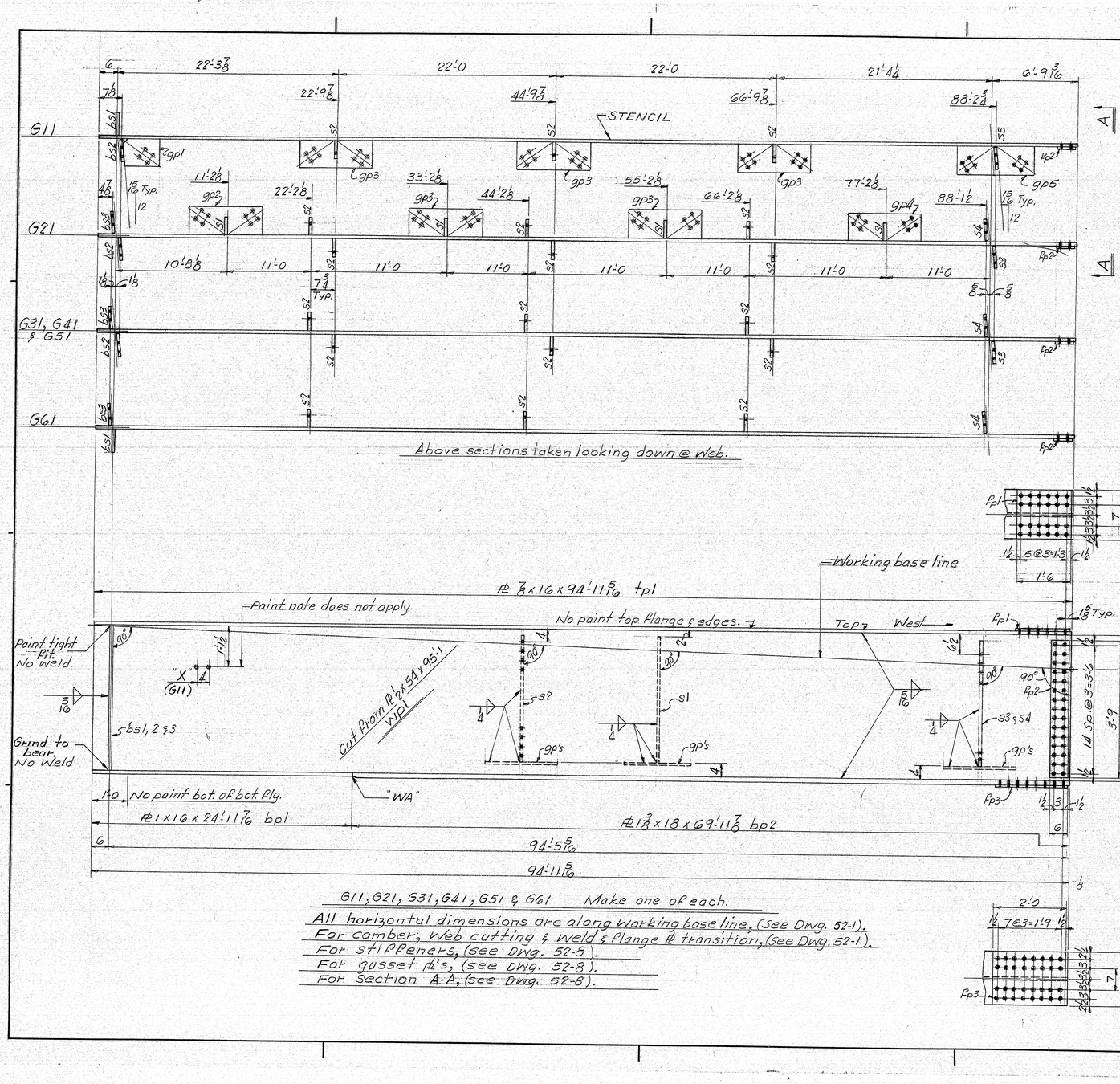
JOB: Rt. 196 over I95
Topsham, Maine

CUSTOMER: Reed & Reed

DESIGNER: Me. S.H.C. - Bridge Div.

REV.			ORDER NO.	JOB NO.	DRAWING NO.
CHECKED		RGM		B72-29	52-1
DRAWN	1-31-72	WPF			

155-191



"X"
2'-1
7'-0
12'-0
17'-0
22'-0
27'-0
32'-0
37'-0
42'-0
47'-0
52'-0
57'-0
62'-0
67'-0
72'-0
77'-0
82'-0
87'-0
92'-0

SHIP MARK	NO.	MARK	BILL OF MATERIAL SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
G11	1		GIRDER	94 111 5/16	—		
G21	1		DO	94 111 5/16	—		
G31	1			94 111 5/16	—		
G41	1			94 111 5/16	—		
G51	1			94 111 5/16	—		
G61	1		GIRDER	94 111 5/16	—		
	6	tpl	PL 3/8 x 16	94 111 5/16		6	A572-50
	6	bpl	PL 1 x 16	24 111 5/16		5	DO
	6	bp2	PL 1 3/8 x 18	69 11 1/8		4	DO
	6	WP1	PL 1/2 x 54	95 1		1	A572-50
	2	bs1	Bar 7 1/2 x 3/8	4 0		15	
	5	bs2	DO	4 0		15	
	5	bs3	Bar 7 1/2 x 3/8	4 0		15	
	4	s1	Bar 6 x 3/8	3 6		19	
	30	S2	Bar 6 x 3/8	3 6		19	
	5	S3	Bar 7 x 3/8	3 5		18	
	5	S4	Bar 7 x 3/8	3 5		18	
	6	Fpl	PL 3/8 x 16	1 6		14	Bolt Bar Shipment
	6	Fp2	Bar 6 x 3/8	3 9		12	
	6	Fp3	PL 3/8 x 18	2 0		13	
	1	gp1	PL 3/8 x 10	1 0		21	
	1	gp2	DO	2 0		21	
	5	gp3	DO	2 0		21	
	1	gp4	DO	2 0		21	
	1	gp5	PL 3/8 x 10	2 0		21	

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. I-95-5(7)75

STEEL: ASTM. A36 except as noted (A572-50)
WELDING ELECTRODE: See welding procedures
SHOP CONN: Welded & Bolted
FIELD CONN: Bolted
HOLES: 15/16 ø
PAINT: Red Lead per Maine Specs. & as noted.
SPECIAL CLEANING: Blast Clean
APPROVED: 2-14-72

GIRDERS G11, G21, G31, G41, G51 & G61

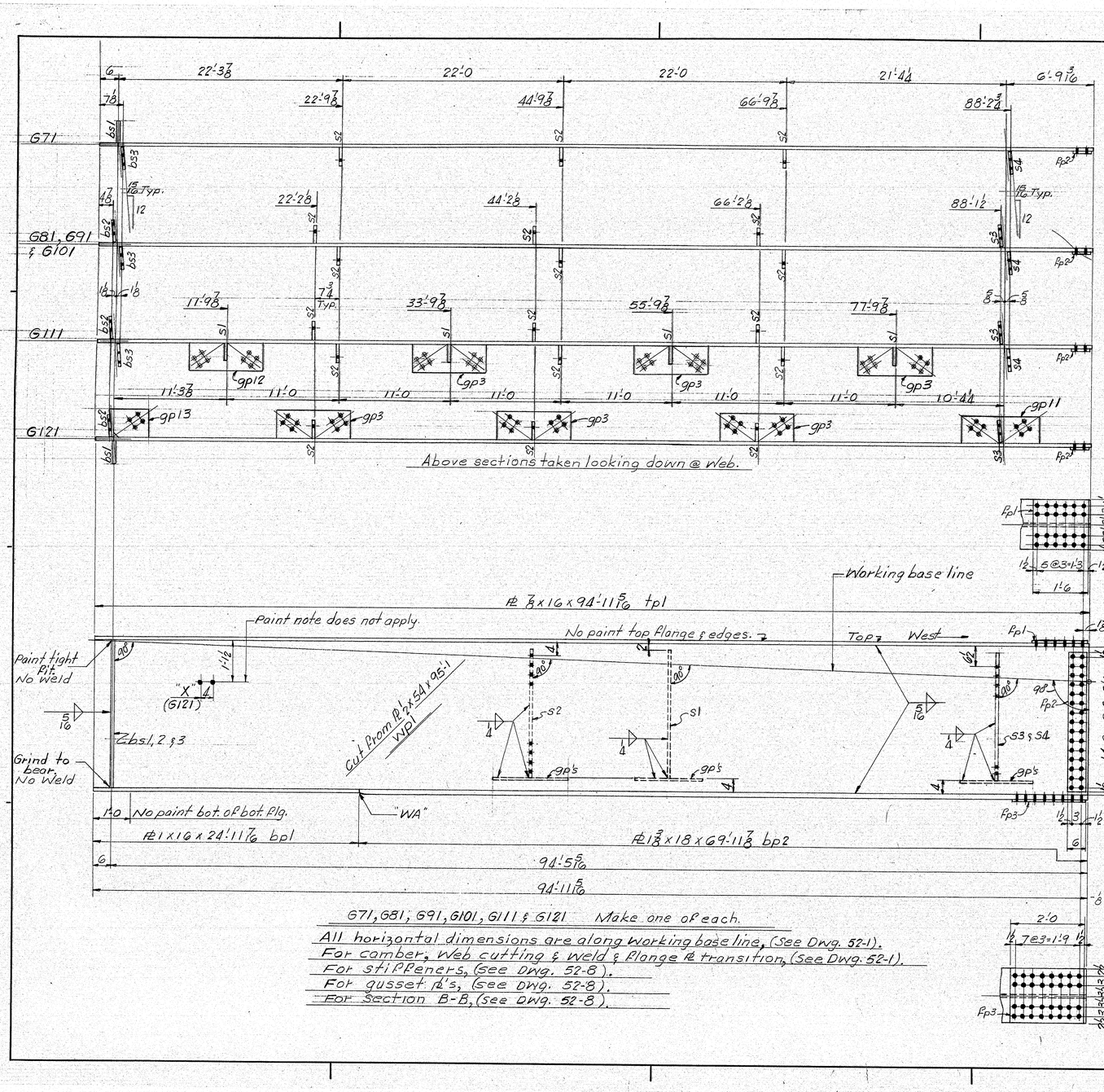
PRINT DIST.		
F.A.	2-11-72	2
Brewer	2-22-72	1 Sep
F.A.	2-22-72	8
Cust.	3-16-72	2

Bancroft & Martin Inc.
South Portland, Maine 04106

JOB: RT. 196 OVER I-95 TOPSHAM, MAINE
CUSTOMER: REED & REED
DESIGNER: ME. S.H.C. BRIDGE DIV.

REV.	ORDER NO.	JOB NO.	DRAWING NO.
CHECKED	JPF		
DRAWN	2-4-72 REM	B72-29	52-2

155-142



"X"
2'-1
7'-0
12'-0
17'-0
22'-0
27'-0
32'-0
37'-0
42'-0
47'-0
52'-0
57'-0
62'-0
67'-0
72'-0
77'-0
82'-0
87'-0
92'-0

SHIP — **BILL OF MATERIAL** — JOB NO. B72-29 — DWG. NO. 52-3

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
G71	1		GIRDER	94 111 5/16	—		
G81	1		DO	94 111 5/16	—		
G91	1		↓	94 111 5/16	—		
G101	1			94 111 5/16	—		
G111	1			94 111 5/16	—		
G121	1		GIRDER	94 111 5/16	—		
	6	fpl	PL 7/8 x 16	94 111 5/16		6	A572-50
	6	bpl	PL 1 x 16	24 11 7/16		5	DO
	6	bp2	PL 1 3/8 x 18	69 11 7/8		4	DO
	6	wpl	PL 1/2 x 54	95 1		1	A572-50
	2	bs1	Bar 7 1/2 x 7/8	4 0		15	
	5	bs2	DO	4 0		15	
	5	bs3	Bar 7 1/2 x 5/8	4 0		15	
	4	s1	Bar 6 x 7/8	3 6		19	
	30	s2	Bar 6 x 7/8	3 6		19	
	5	s3	Bar 7 x 7/8	3 5		18	
	5	s4	Bar 7 x 7/8	3 5		18	
	6	fp1	PL 5/8 x 16	1 6		14	Bolt Pak Shipment
	6	fp2	Bar 6 x 1/2	3 9		12	
	6	fp3	PL 5/8 x 18	2 0		13	
	6	gp3	PL 3/8 x 10	2 0		21	
	1	gp11	DO	2 0		21	
	1	gp12	DO	2 0		21	
	1	gp13	PL 3/8 x 10	1 0 5/16		21	

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 open holes.

ITEM No. 504-70
PROJ. No. I-95-5(7)75

STEEL: ASTM. A36 except as noted (A572-50)
WELDING ELECTRODE see welding procedures.
SHOP CONN: Welded & Bolted.
FIELD CONN: Bolted
HOLES: 13/16 ϕ
PAINT: Red Lead per Maine Specs. & as noted.
SPECIAL CLEANING: Blast Clean
APPROVED: 2-14-72

GIRDERS G71, G81, G91, G101, G111 & G121

PRINT DIST.		
F.A.	2-11-72	2
BREWER	2-22-72	1 Sep
F.B.	2-22-72	8
CUST.	3-16-72	2

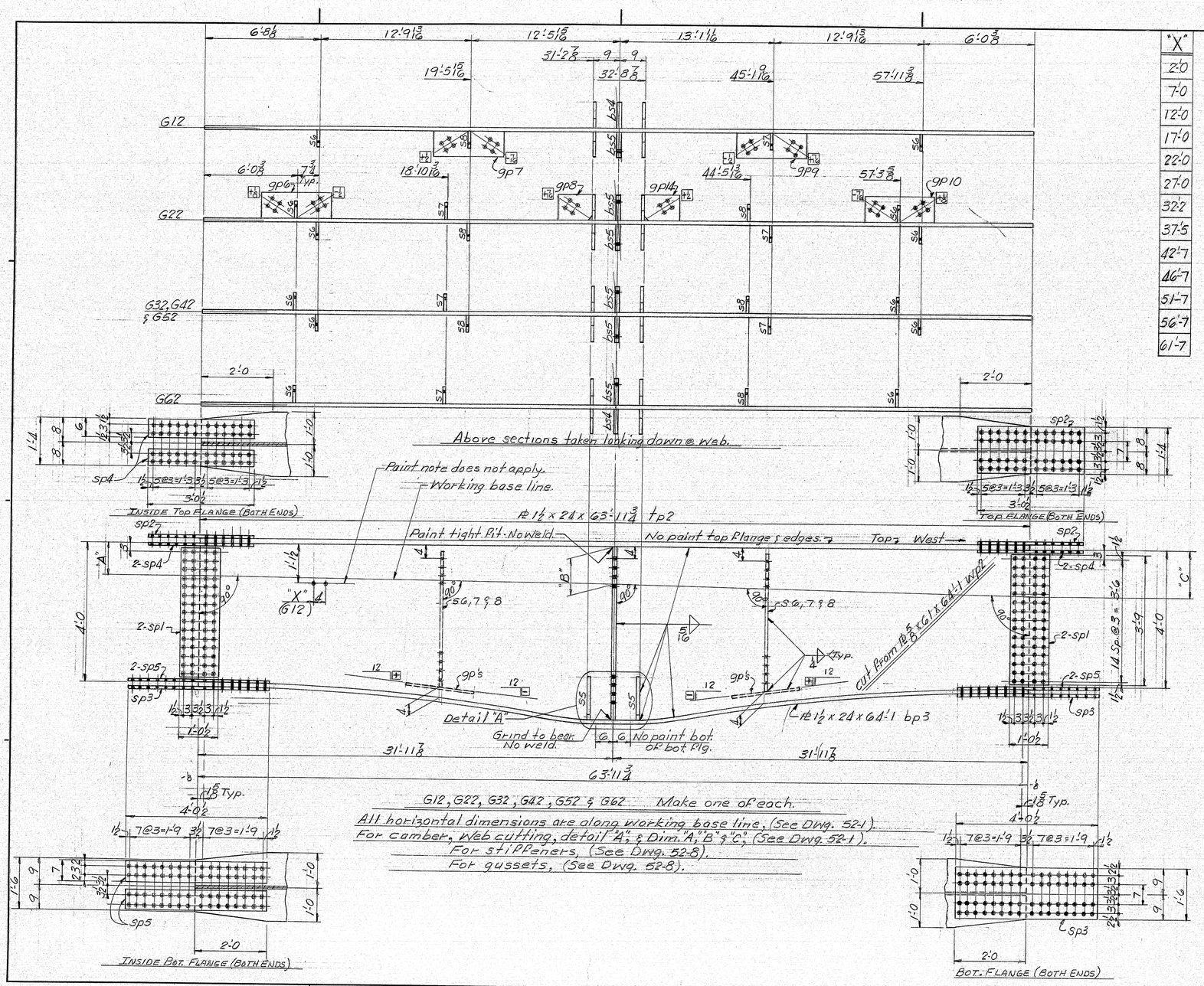
Bancroft & Martin Inc.
South Portland, Maine 04106

JOB: RT. 196 OVER I-95 TOPSHAM, MAINE
CUSTOMER: REED & REED
DESIGNER: ME. S.H.C. BRIDGE DIV.

REV.		
CHECKED		JRF
DRAWN	2-3-72	RGM

ORDER NO.	JOB NO.	DRAWING NO.
	B72-29	52-3

155-143



"X"
2'-0
7'-0
12'-0
17'-0
22'-0
27'-0
32'-7
37'-5
42'-7
46'-7
51'-7
56'-7
61'-7

SHIP | **BILL OF MATERIAL** | JOB NO. B72-29 | DWG. NO. 52-4

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
G12	1		GIRDER	63 11¾	—		
G22	1		DO	63 11¾	—		
G32	1		↓	63 11¾	—		
G42	1			63 11¾	—		
G52	1			63 11¾	—		
G62	1		GIRDER	63 11¾	—		
	6	bp2	PL 1½ x 24	63 11¾		3	A572-50
	6	bp3	PL 1½ x 24	64 1		3	DO
	6	wp2	PL ⅝ x 61	64 1		2	A572-50
	2	bs4	PL ¼ x 11	5 0		16	
	10	bs5	PL ¼ x 11	5 0		16	
						16	
	24	s5	PL ¼ x 11	1 3		17	
	20	s6	Bar 6 x ⅜	3 6½		20	
	10	s7	DO	3 10 3/16		20	
	10	s8	Bar 6 x ⅜	3 10 3/16		20	
	24	sp1	PL ⅜ x 12½	3 9		9	A572-50
	12	sp2	PL ½ x 16	3 0½		8	DO
	12	sp3	PL ⅜ x 18	4 0½		7	DO
	24	sp4	Bar 6 x ½	3 0½		11	DO
	24	sp5	Bar 7 x ⅜	4 0½		10	A572-50
	1	gp6	PL ⅜ x 10	2 0		21	Bend to fit Slope
	1	gp7	DO	2 0		21	
	1	gp9	DO	2 0		21	
	1	gp10	DO	2 0		21	Bend to fit Slope
	1	gp8	DO	1 0		21	
	1	gp14	PL ⅜ x 10	1 0		21	

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. I-95-5(7)75

PROOF FOR Shipment

STEEL: ASTM. A36 except as noted (A572-50)
WELDING ELECTRODE See welding procedures.
SHOP CONN: Welded
FIELD CONN: Bolted
HOLES: 15/16 ϕ
PAINT: Red Lead per Maine Specs. & as noted.
SPECIAL CLEANING: Blast Clean
APPROVED: 2-14-72

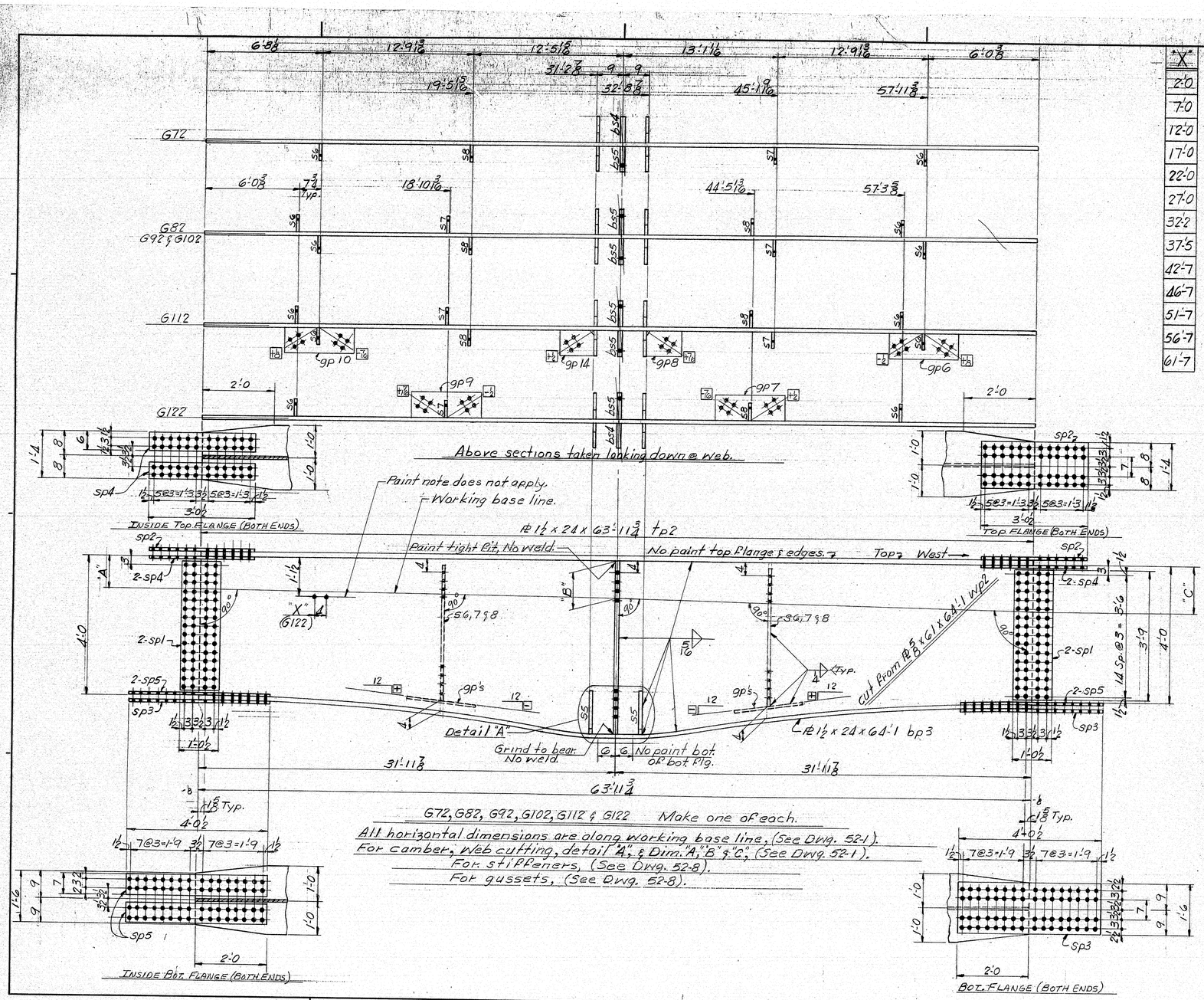
GIRDERS G12, G22, G32, G42, G52 & G62.

PRINT DIST.		
F.A.	2-11-72	2
Engineer	2-22-72	1 Sep
F.A.	2-22-72	8
Cust.	3-16-72	2
REV.		
CHECKED		JPF
DRAWN	2-8-72	RGM

Bancroft & Martin Inc.
South Portland, Maine 04106

JOB: RT. 196 OVER I-95 TOPSHAM, MAINE
CUSTOMER: REED & REED
DESIGNER: ME. S.H.C. BRIDGE DIV.
ORDER NO. | JOB NO. B72-29 | DRAWING NO. 52-4

155-144



"X"
2'-0
7'-0
12'-0
17'-0
22'-0
27'-0
32'-2
37'-5
42'-7
46'-7
51'-7
56'-7
61'-7

BILL OF MATERIAL — JOB NO. B7229 — DWG. NO. 52-5

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
G72	1		GIRDER	63 11¾	—		
G82	1		do	63 11¾	—		
G92	1		↓	63 11¾	—		
G102	1			63 11¾	—		
G112	1			63 11¾	—		
G122	1		GIRDER	63 11¾	—		
	6	tp2	PL 1½ x 24	63 11¾		3	A572-50
	6	bp3	PL 1½ x 24	64 1		3	do
	6	wp2	PL ⅝ x 61	64 1		2	A572-50
	2	bs4	PL ½ x 11	5 0		16	
	10	bs5	PL ½ x 11	5 0		16	
	24	s5	PL ½ x 11	1 3		17	
	20	s6	Bar 6 x ⅜	3 6½		20	
	10	s7	do	3 10⅜		20	
	10	s8	Bar 6 x ⅜	3 10⅜		20	
	24	sp1	PL ⅜ x 12½	3 9		9	A572-50
	12	sp2	PL ⅜ x 16	3 0½		8	do
	12	sp3	PL ⅜ x 18	4 0½		7	do
	24	sp4	Bar 6 x ½	3 0½		11	do
	24	sp5	Bar 7 x ⅜	4 0½		10	A572-50
	1	gp6	PL ⅜ x 10	2 0		21	Bend to fit Slope.
	1	gp7	do	2 0		21	
	1	gp9	do	2 0		21	
	1	gp10	do	2 0		21	Bend to fit Slope.
	1	gp8	do	1 0		21	
	1	gp14	PL ⅜ x 10	1 0		21	

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. I-95-5(7)75

STEEL: ASTM A36 except as noted (A572-50)
WELDING ELECTRODE: See Welding procedures.
SHOP CONN: Welded
FIELD CONN: Bolted
HOLES: 15/16 ø
PAINT: Red Lead per Maine Specs. & as noted.
SPECIAL CLEANING: Blast Clean.
APPROVED: 2-14-72

GIRDERS G72, G82, G92, G102, G112 & G122

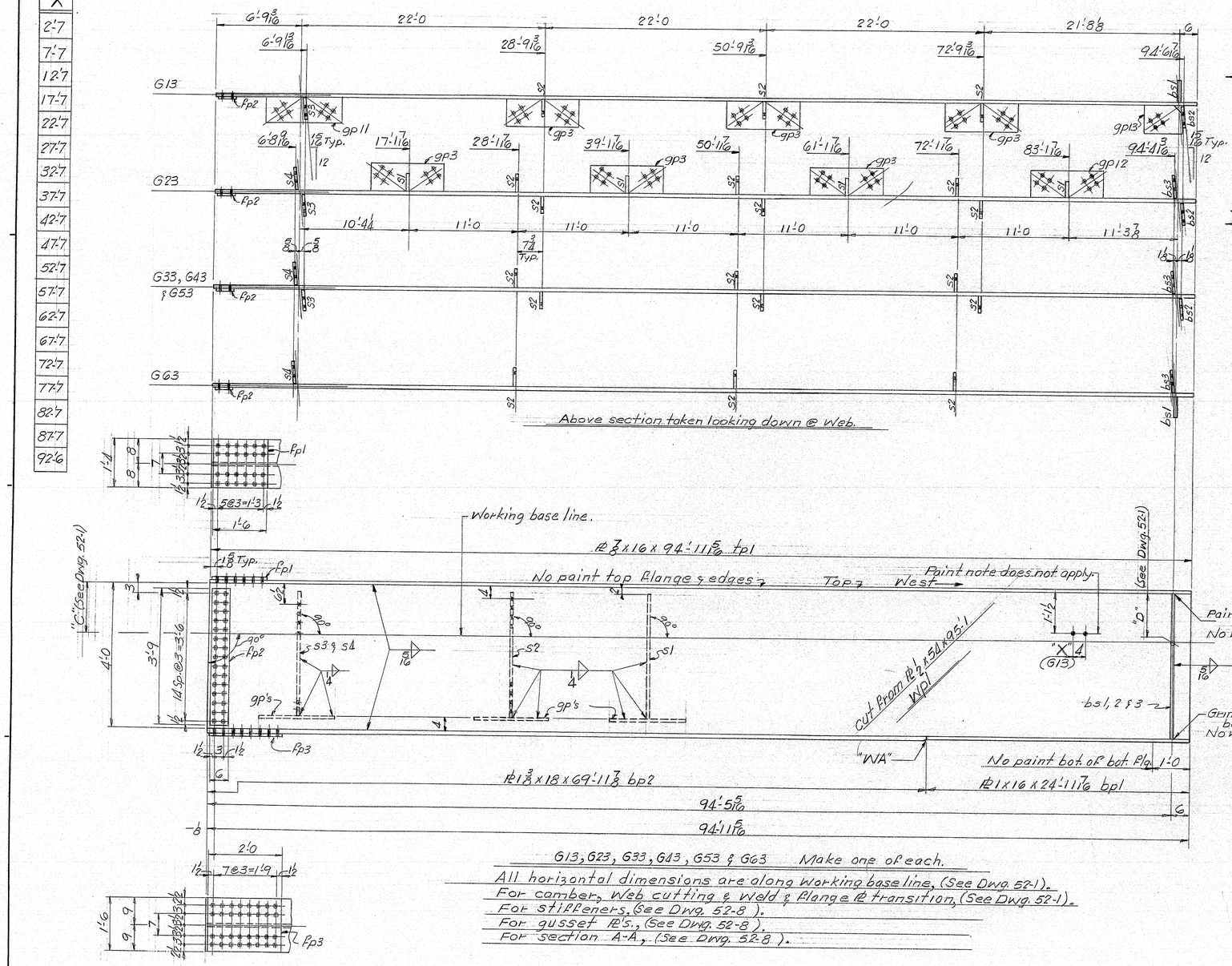
PRINT DIST.		
F.A.	2-11-72	2
Brewer	2-22-72	Sup
F.A.	2-22-72	6
Cust.	3-16-72	2

REV.		
CHECKED		J.P.F.
DRAWN	2-9-72	R&M

Bancroft & Martin Inc.
South Portland, Maine 04106
JOB: RT. 196 OVER I-95 TOPSHAM, MAINE
CUSTOMER: REED & REED
DESIGNER: ME. S.H.C. BRIDGE DIV.
ORDER NO. | JOB NO. B72-29 | DRAWING NO. 52-5

155-145

"X"
2'-7
7'-7
12'-7
17'-7
22'-7
27'-7
32'-7
37'-7
42'-7
47'-7
52'-7
57'-7
62'-7
67'-7
72'-7
77'-7
82'-7
87'-7
92'-6



SHIP	BILL OF MATERIAL			JOB NO. B72-29	DWG. NO. 52-6			
MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.		REMARKS
G13	1		GIRDER	94 11 5/16	—			
G23	1		DO	94 11 5/16	—			
G33	1			94 11 5/16	—			
G43	1			94 11 5/16	—			
G53	1			94 11 5/16	—			
G63	1		GIRDER	94 11 5/16	—			
	6	fp1	PL 7/8 x 16	94 11 5/16		6		A572-50
	6	bp1	PL 1 x 16	24 11 7/16		5		DO
	6	bp2	PL 1 3/8 x 18	69 11 7/8		4		DO
	6	Wpl	PL 2 x 54	95 1		1		A572-50
	2	bs1	Bar 7 1/2 x 7/8	4 0		15		
	5	bs2	DO	4 0		15		
	5	bs3	Bar 7 1/2 x 7/8	4 0		15		
	4	s1	Bar 6 x 3/8	3 6		19		
	30	s2	Bar 6 x 3/8	3 6		19		
	5	s3	Bar 7 x 3/8	3 5		18		
	5	s4	Bar 7 x 3/8	3 5		18		
	6	fp1	PL 3/8 x 16	1 6		14		Bolt For Shipment
	6	fp2	Bar 6 x 3/8	3 9		12		
	6	fp3	PL 3/8 x 18	2 0		13		
	6	gp3	PL 3/8 x 10	2 0		21		
	1	gp11	DO	2 0		21		
	1	gp12	DO	2 0		21		
	1	gp13	PL 3/8 x 10	1 0 1/16		21		

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. I-95-5(7)75

STEEL: ASTM. A36 except as noted. (A572-50)
WELDING ELECTRODE See welding procedures.
SHOP CONN: Welded & Bolted
FIELD CONN: Bolted
HOLES: 13/16 ø
PAINT: Red Lead per Maine Specs. & as noted.
SPECIAL CLEANING: Blast Clean.
APPROVED: 2-14-72

GIRDERS G13, G23, G33, G43, G53 & G63

PRINT DIST.		
F. A.	2-11-72	2
PREMIER	2-29-72	1 SEP.
F.A.	2-22-72	8
CUST.	3-16-72	2

Bancroft & Martin Inc.
South Portland, Maine 04106

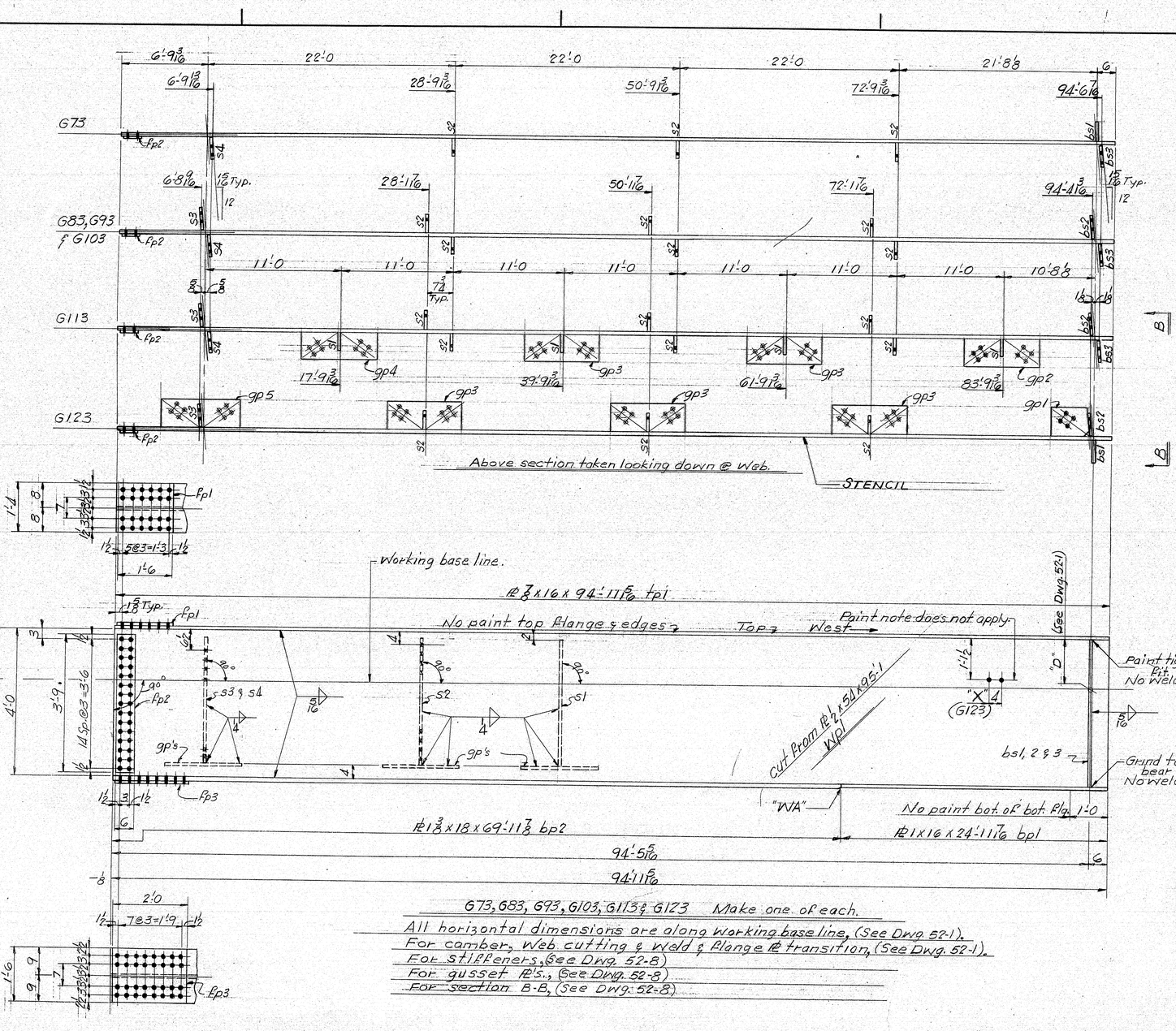
JOB: RT. 196 OVER I-95 TOPSHAM, MAINE
CUSTOMER: REED & REED
DESIGNER: ME. S.H.C. BRIDGE DIV.

REV.		
CHECKED		JPF.
DRAWN	2-2-72	RGM

ORDER NO.	JOB NO.	DRAWING NO.
	B72-29	52-6

155-146

"X"
2'-7
7'-7
12'-7
17'-7
22'-7
27'-7
32'-7
37'-7
42'-7
47'-7
52'-7
57'-7
62'-7
67'-7
72'-7
77'-7
82'-7
87'-7
92'-6



SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
G73	1		GIRDER	94 11 5/16	—		
G83	1		DO	94 11 5/16	—		
G93	1		↓	94 11 5/16	—		
G103	1		↓	94 11 5/16	—		
G113	1		↓	94 11 5/16	—		
G123	1		GIRDER	94 11 5/16	—		
	6	fpl	PL 3/8 x 16	94 11 5/16		6	A572-50
	6	bpl	PL 1 x 16	94 11 5/16		5	DO
	6	bp2	PL 1 1/8 x 18	69 11 3/8		4	DO
	6	wpl	PL 1/2 x 54	95 1		1	A572-50
	2	bs1	Bar 7/2 x 7/8	4 0		15	
	5	bs2	DO	4 0		15	
	5	bs3	Bar 7/2 x 7/8	4 0		15	
	4	s1	Bar 6 x 3/8	3 6		19	
	30	s2	Bar 6 x 3/8	3 6		19	
	5	s3	Bar 7 x 3/8	3 5		18	
	5	s4	Bar 7 x 3/8	3 5		18	
	6	fpl	PL 3/8 x 16	1 6		14	Bolt Pat Shipment
	6	fp2	Bar 6 x 1/8	3 9		12	
	6	fp3	PL 3/8 x 18	2 0		13	
	1	gpl	PL 3/8 x 10	1 0		21	
	1	gp2	DO	2 0		21	
	5	gp3	DO	2 0		21	
	1	gp4	DO	2 0		21	
	1	gp5	PL 3/8 x 10	2 0		21	

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. 504.90
PROJ. No. I-95-5(7)75

STEEL: ASTM. A36 except as noted. (A572-50)
WELDING ELECTRODE: See Welding procedures.
SHOP CONN: Welded & Bolted
FIELD CONN: Bolted
HOLES: 15/16 ϕ
PAINT: Red Lead per Maine Specs. & as noted.
SPECIAL CLEANING: Blast Clean.
APPROVED: 2-14-72

GIRDERS G73, 683, G93, G103, G113 & G123

PRINT DIST.		
F.A.	2-11-72	2
BRIDGE	2-22-72	1-SEP.
P.A.	2-22-72	8
CUST	3-16-72	2

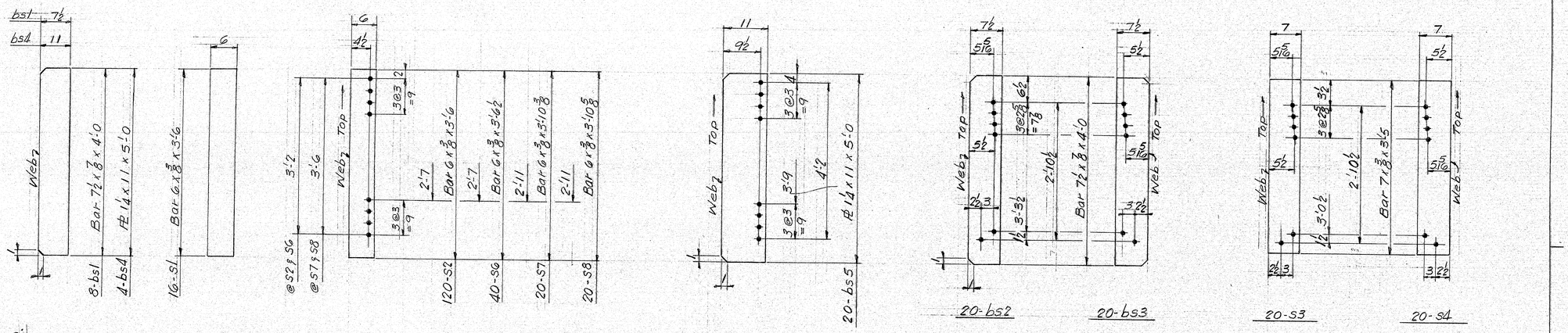
Bancroft & Martin Inc.
South Portland, Maine 04106

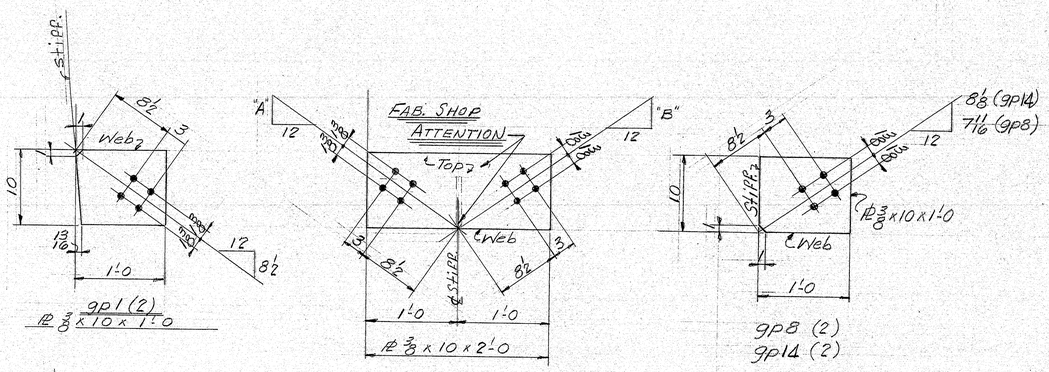
JOB: RT. 196 OVER I-95 TOPSHAM, MAINE
CUSTOMER: REED & REED
DESIGNER: ME. S.H.C. BRIDGE DIV.

REV.		
CHECKED		JHF
DRAWN	2-7-72	RGM

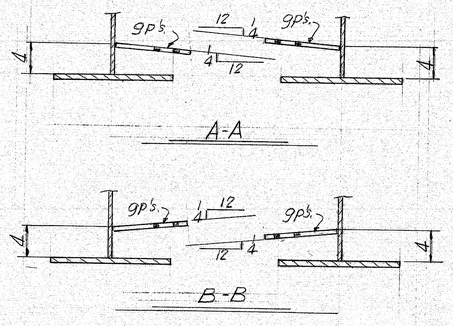
ORDER NO.	JOB NO.	DRAWING NO.
	B72-29	52-7

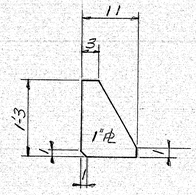
155-147





Pc. Mk.	Quant.	"A"	"B"
gp2	2	8½	8 11/16
gp3	22	8 11/16	8 11/16
gp4	2	8 11/16	9 3/16
gp5	2	7⅛	9 3/16
gp6	2	7⅛	7 7/16
gp7	2	7 1/16	7 7/16
gp9	2	7 7/16	8⅛
gp10	2	7 7/16	7 7/16
gp11	2	8 11/16	7 7/16
gp12	2	8 11/16	8 15/16





HOLES: 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.

APPROVED: 2-14-72 PROJ. No. I-95-5(7)75

STIFFENERS & GUSSET PL's

PRINT DIST.		
F.A.	2-11-72	2
BREWER	2-02-72	1 SEP
F.A.	2-22-72	8
CUST.	3-16-72	2

Bancroft & Martin Inc.
South Portland, Maine 04106

JOB: RT. 196 OVER I-95
TOPSHAM, MAINE

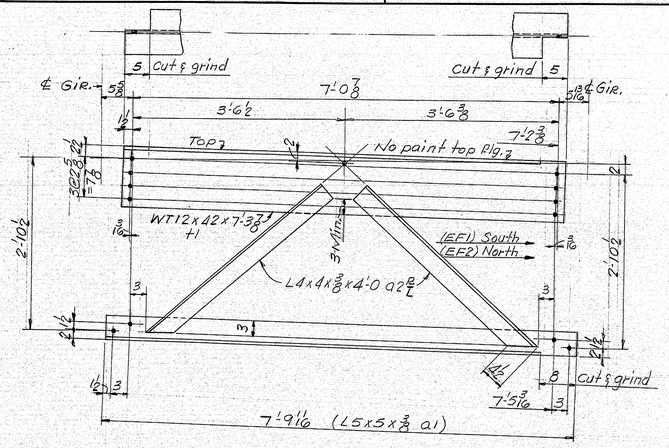
CUSTOMER: REED & REED

DESIGNER: ME. S.H.C. BRIDGE DIV.

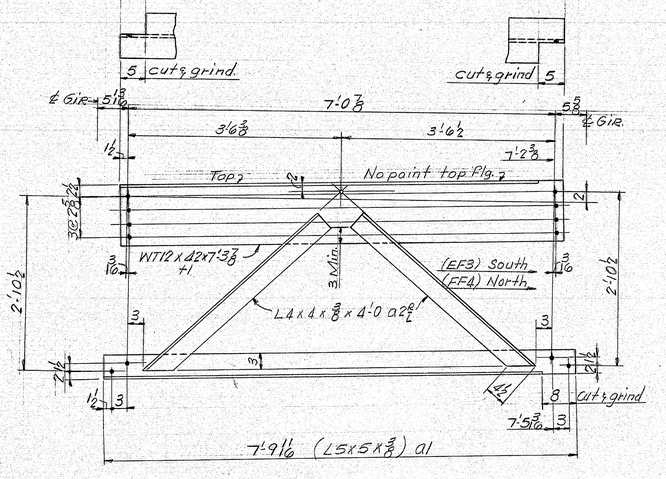
REV.		
CHECKED		JPF
DRAWN	2-10-72	RGM

ORDER NO.	JOB NO.	DRAWING NO.
	B.T.-29	52-8

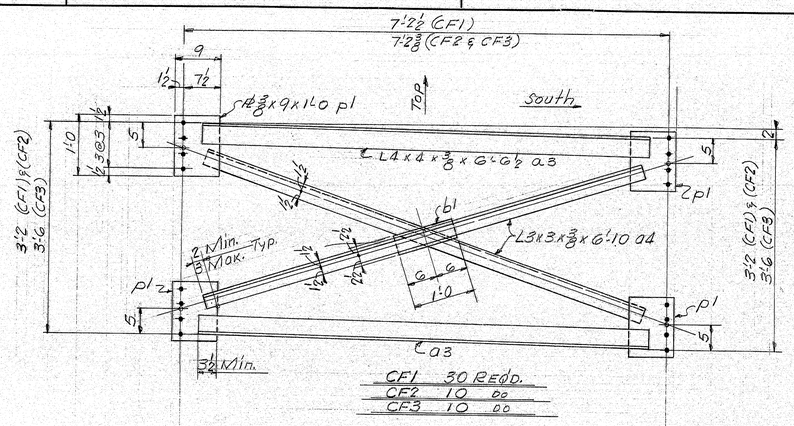
155-14B



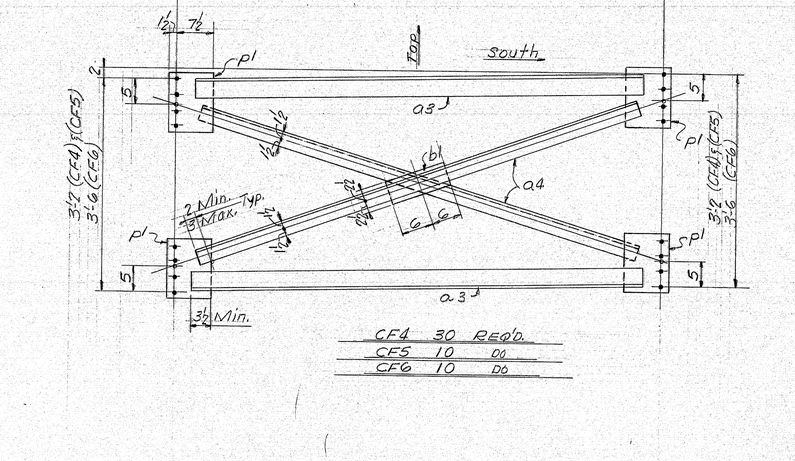
EF1 15 Req'd.
EF2 5 Req'd.



EF3 15 Req'd.
EF4 5 Req'd.



CF1 30 Req'd.
CF2 10 Do
CF3 10 Do



CF4 30 Req'd.
CF5 10 Do
CF6 10 Do

SHIP	BILL OF MATERIAL			JOB NO. 872-29	DWG. NO. 53-1			
MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.		REMARKS
EF1	15		END FRAME		—			
EF2	5		Do		—			
EF3	15		Do		—			
EF4	5		END FRAME		—			
CF1	30		CROSS FRAME		—			
CF2	10		Do		—			
CF3	10		Do		—			
CF4	30		Do		—			
CF5	10		Do		—			
CF6	10		CROSS FRAME		—			
	40	℄1	WT12x42	7 3/8		22		
	40	a1	L5x5x3/8	7 9/16		23		
	80	a2	L4x4x3/8	4 0		24		40R-40L
	200	a3	L4x4x3/8	6 6 1/2		25		
	200	a4	L3x3x3/8	6 10		26		
	400	pl	PL 3/8x9	1 0		28		
	100	b1	Bar 5x3/8	1 0		27		
FIELD	214		5/8ø Carriage Bolts	0 1 1/2				For Fleming Brackets
FIELD	2236		3/4ø H.S. Bolts	0 2 1/4				
Do	1713		Do	0 2 1/2				
Do	163		Do	0 3				
Do	1175		Do	0 4				
Do	1566		3/4ø H.S. Bolts	0 4 1/4				
Do	6852		3/4ø Hard Washers					

For location of above bolts see Framing Plans 52 & 2

HOLES ARE FOR HIGH TENSILE BOLTS
~~They are to be free from burrs~~ and shall not be painted on any surfaces within 3" of such open holes.

ITEM No. 504.70
PROJ. No. I-95-2(7) 75

STEEL: ASTM. A36
WELDING ELECTRODE See Welding Procedures.
SHOP CONN: ½ Cont. Fillet.
FIELD CONN: Bolted
HOLES: 13/16 ø
PAINT: Red Lead per Maine Specs. & as noted.
SPECIAL CLEANING: Blast clean.
APPROVED: 2-22-72

END FRAMES & INTERM. CROSS FRAMES

PRINT DIST.		
EA	2-15-72	2
Brewer	2-24-72	1 Sep.
E&F	2-24-72	3
Cust.	3-16-72	2
REV.		
CHECKED		JPF
DRAWN	2-14-72	RGM

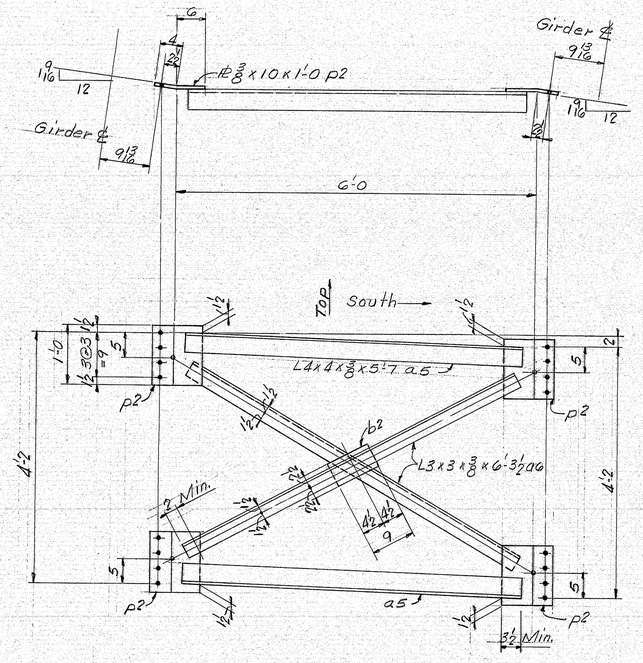
Bancroft & Martin Inc.
South Portland, Maine 04106

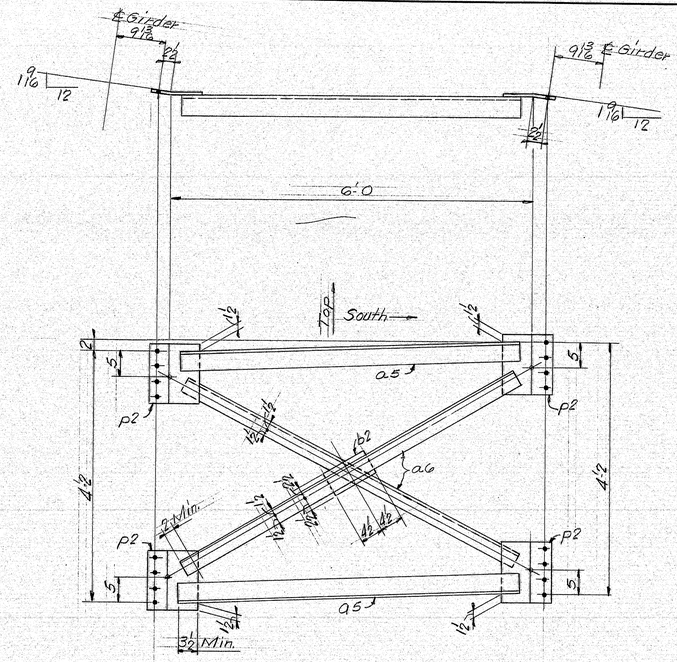
JOB: RT. 196 OVER I-95
TOPSHAM, MAINE
CUSTOMER: REED & REED
DESIGNER: ME. S.H.C. BRIDGE DIV.

ORDER NO.	JOB NO.	DRAWING NO.
	872-29	53-1

155-149

3800 ADAMS





SHIP	BILL OF MATERIAL					JOB NO. B72-29		DWG. NO. 53-2
MARK	NO.	MARK	SHAPE	LENGTH		WT.	ITEM NO.	REMARKS
CF7	5		CROSS FRAME			—		
CF8	5		CROSS FRAME			—		
	20	a5	L 4x4x3/8	5	7		25	
	20	a6	L 3x3x3/8	6	3 1/2		26	
	40	p2	PL 3/8 x 10	1	0		28A	Bent
	10	b2	Bar 5x3/8	0	9		27	

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. 501.70
PROJ. No. F95-5(7) 75

STEEL: ASTM. A36
WELDING ELECTRODE: See welding procedures.
SHOP CONN: ℄ Cont. Fillet
FIELD CONN: Bolted
HOLES: 7/8ø
PAINT: Red Lead per Maine Specs. & as noted.
SPECIAL CLEANING: Blast Clean
APPROVED: 2-22-72

CROSS FRAMES @ PIERS

PRINT DIST.		
E.A.	2-15-72	2
BRENNER	2-24-72	1 Sep.
F&E	2-24-72	8
CUST.	3-16-72	2
REV.		
CHECKED		JPE
DRAWN	2-15-72	RGM

Bancroft & Martin Inc.
South Portland, Maine 04106

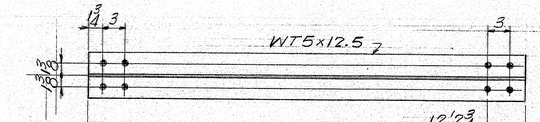
JOB: Rt. 196 OVER I-95
TOPSHAM, MAINE

CUSTOMER: REED & REED

DESIGNER: ME. S.H.C. BRIDGE DIV.

ORDER NO.	JOB NO.	DRAWING NO.
	B72-29	53-2

155-150



	12'-2 3/4	
one-L1	12'-7 1/2	
	12'-0 5/8	
24-L2	12'-5 3/8	
	11'-6 7/8	
one-L3	11'-11 5/8	
	14'-0 7/8	
one-L4	14'-5 5/8	
	13'-7	
5-L5	13'-11 3/4	
	13'-2 3/4	
one-L6	13'-7 1/2	
	12'-8	
one-L7	13'-0 3/4	
	13'-7 1/4	
one-L8	14'-0	
	12'-0 1/8	
one-L9	12'-4 7/8	
	11'-9 3/8	
one-L10	12'-2 5/8	
	11'-9 5/8	
one-L11	12'-2 3/8	
	12'-0 1/2	
one-L12	12'-5 1/4	
	12'-8 3/8	
one-L13	13'-1 1/8	
	13'-2 1/2	
one-L14	13'-7 1/4	
	14'-1 1/4	
one-L15	14'-6	
	11'-6 5/8	
one-L16	11'-11 3/8	
	12'-3	
one-L17	12'-7 3/4	

SHIP | **BILL OF MATERIAL** | JOB NO. B72-29 | DWG. NO. 54-1

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
L1	1		WT5x12.5	12 7 1/2		29	
L2	24		DO	12 5 3/8		↓	
L3	1			11 11 3/8			
L4	1			14 5 5/8			
L5	5			13 11 3/4			
L6	1			13 7 1/2			
L7	1			13 0 3/4			
L8	1			14 0			
L9	1			12 4 7/8			
L10	1			12 2 5/8			
L11	1			12 2 3/8			
L12	1			12 5 1/4			
L13	1			13 1 1/8			
L14	1			13 7 1/4			
L15	1			14 6			
L16	1		↓	11 11 3/8		↓	
L17	1		WT5x12.5	12 7 3/4		29	

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. 804-70
PROJ. No. I95-5(7) 75

STEEL: ASTM. A36
WELDING ELECTRODE —
SHOP CONN: —
FIELD CONN: Bolted
HOLES: 11/16 ϕ
PAINT: Red Lead per Maine Specs. & as noted.
SPECIAL CLEANING: Blast Clean
APPROVED: 2-22-72

LATERAL BRACING

PRINT DIST.		
F.A.	2-15-72	2
Brewer	2-24-72	SEP.
F&E	2-24-72	9
Aust.	3-16-72	2

Bancroft & Martin Inc.
South Portland, Maine 04106

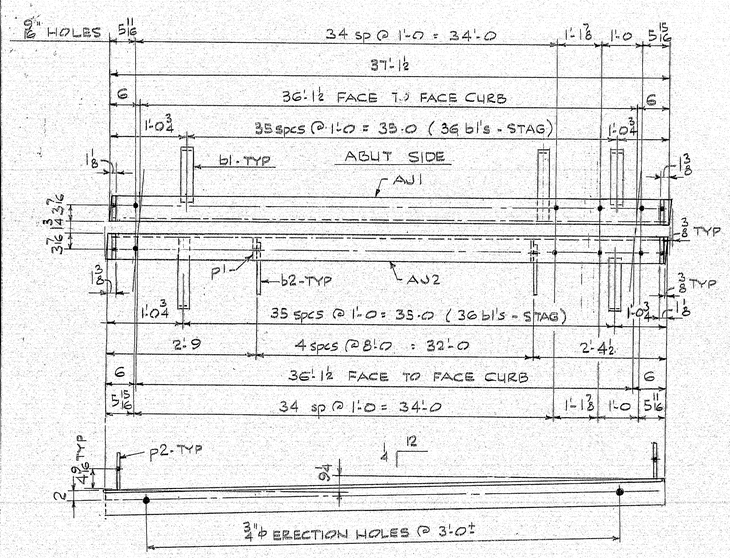
JOB: RT. 196 OVER I-95
TOPSHAM, MAINE

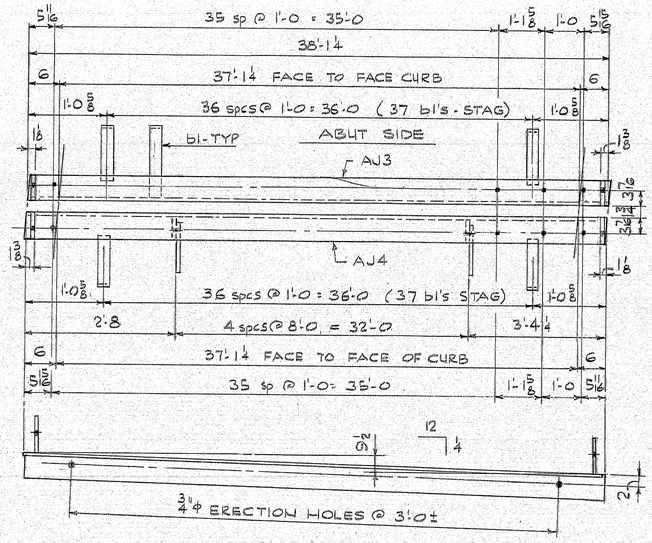
CUSTOMER: REED & REED
DESIGNER: ME. S.H.C. BRIDGE DIV.

REV.		
CHECKED		TRF
DRAWN	2-11-72	VEGM

ORDER NO.	JOB NO.	DRAWING NO.
	B72-29	54-1

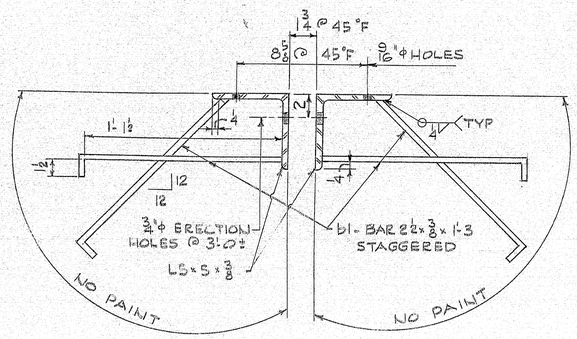
155-151



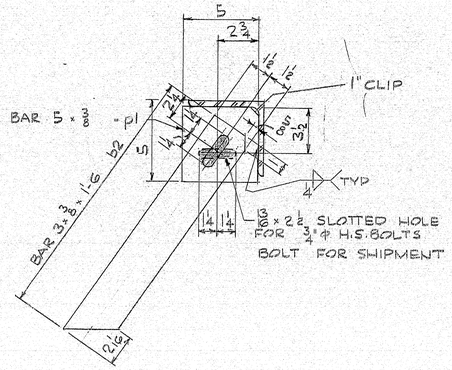


2 - AJ1 ONE - AJ3
2 - AJ2 ONE - AJ4

ALL DIMENSIONS TAKEN ON SLOPE



SECTION A-A



SECTION B-B

SHIP	BILL OF MATERIAL			JOB NO. B72-29		DWG. NO. SB-1		
MARK	NO.	MARK	SHAPE	LENGTH		WT.	ITEM NO.	REMARKS
AJ1	2		L5 x 5 x 3/8	37	1 7/8		36	
AJ2	2		do	37	1 7/8		36	
AJ3	1		do	38	1 5/8		37	
AJ4	1		do	38	1 5/8		37	
	218	b1	BAR 2½ x 3/8	1	3		42	BENT
	15	b2	BAR 3 x 9/16	1	6		44	
	15	P1	BAR 5 x 3/8	0	5		43	
	12	P2	BAR 5 x ½	0	10			
	15	SHOP	¾"ϕ H.S. BOLT	0	2¼			
	15	do	¾"ϕ HARD WASHERS					
			PROJ. NO: I 95-5(7) 75					
			ITEM NO: 504.70					

STEEL: ASTM. A36
WELDING ELECTRODE SEE WELDING PROCEDURES [E7018 E7028
SHOP CONN: WELDED & BOLTED
FIELD CONN: BOLTED & WELDED
HOLES: AS NOTED
PAINT: RED LEAD PER MAINE SPECS. AS NOTED
SPECIAL CLEANING: BLAST CLEAN
APPROVED: 6-21-72

ARMORED JOINT - ABUT 1 & 2

PRINT DIST.		
2p	6-2-72	A
ISEPA	6-23-72	BREWER
2p	6-23-72	RSET
2p	6-23-72	CUST

REV.		
CHECKED	6-1-72	RGM
DRAWN	3-23-72	DWL

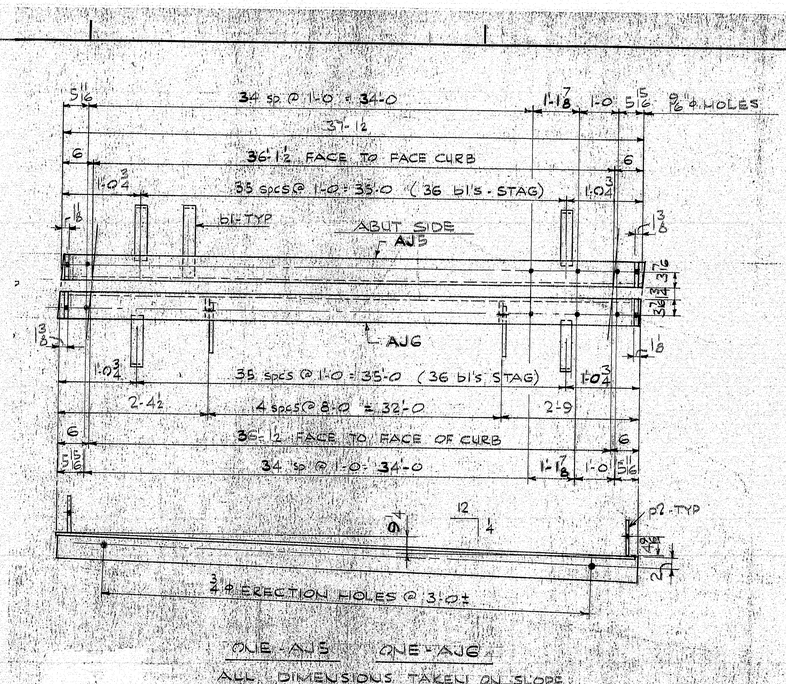
Bancroft & Martin Inc.
South Portland, Maine 04106

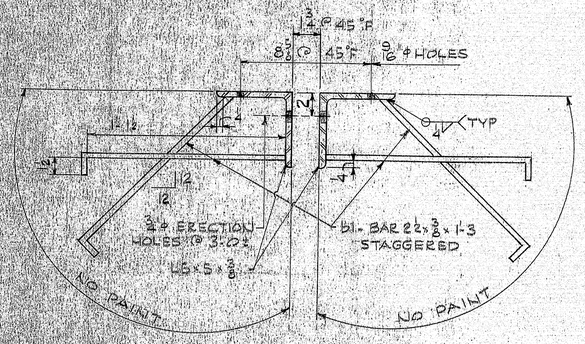
JOB: RT 196 OVER I95 TOPSHAM, MAINE

CUSTOMER: REED & REED
DESIGNER: ME. S.H.C. BRIDGE DIV.

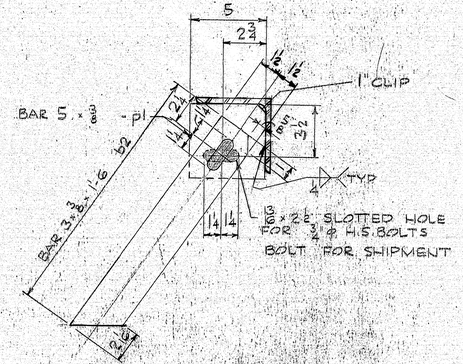
ORDER NO.	JOB NO.	DRAWING NO.
	B72.29	58-1

155-152





SECTION A-A



SECTION B-B

SHIP	BILL OF MATERIAL			JOB NO. 872-29		DWG. NO. SB-2		
MARK	NO.	MARK	SHAPE	LENGTH		WT.	ITEM NO.	REMARKS
AJ5	1		L5 x 5 x 3/8	37	1 7/8		36	
AJ6	1		do	37	1 7/8		36	
	72	b1	BAR 2 1/2 x 3/8	1	3		42	BENT
	5	b2	BAR 3 x 3/8	1	6 4		44	
	5	p1	BAR 5" x 3/8	0	5		43	
	4	p2	BAR 5 x 1/2	0	10			
	5	SHOP	3/4ø H.S. BOLT	0	2 4			
	5	do	3/4ø HARD WASHERS					

PROJ. NO: I 95-5(7) 75
ITEM NO: 504.70

STEEL: ASTM. A36
WELDING ELECTRODE SEE WELDING PROCEDURES E7018 E7028
SHOP CONN: WELDED & BOLTED
FIELD CONN: BOLTED & WELDED
HOLES: AS NOTED
PAINT: RED LEAD PER MAINE SPECS. AS NOTED,
SPECIAL CLEANING: BLAST CLEAN
APPROVED:

ARMORED JOINT - ABUT 2

REV.	PRINT DIST.		
2p	6-2-72	A.	
1 SEPA	6-23-72	BREWER	
6p	6-23-72	FS&T	
2p	6-23-72	CUST.	
CHECKED	6-2-72	RGM	
DRAWN	3-23-72	DWL	

Bancroft & Martin Inc.
South Portland, Maine 04106

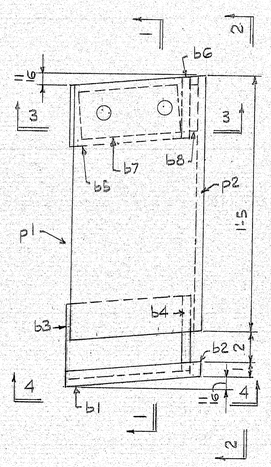
JOB: RT 196 OVER I 95
TOPSHAM, MAINE

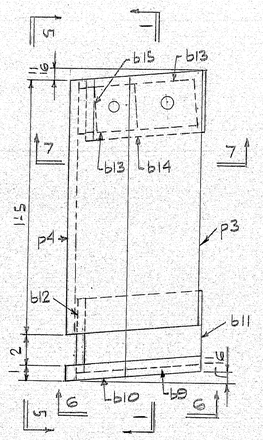
CUSTOMER: REED & REED
DESIGNER: ME. S.H.C. BRIDGE DIV.

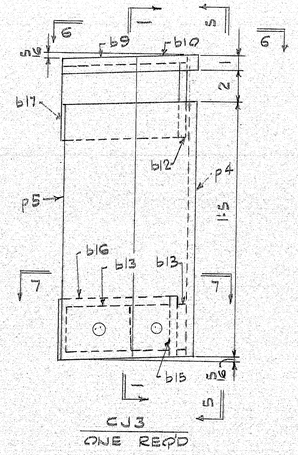
ORDER NO.	JOB NO.	DRAWING NO.
	872.29	SB-2

155-153

[redacted]

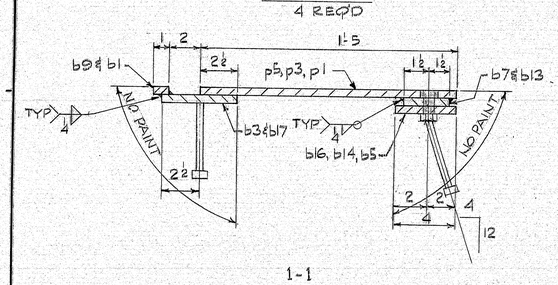




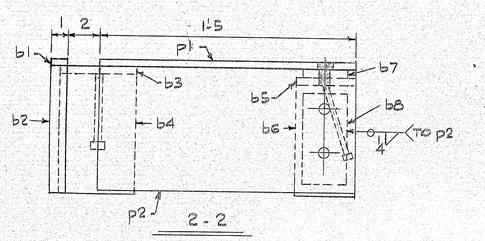


CJ3
ONE REQ'D

CJ1
4 REQ'D

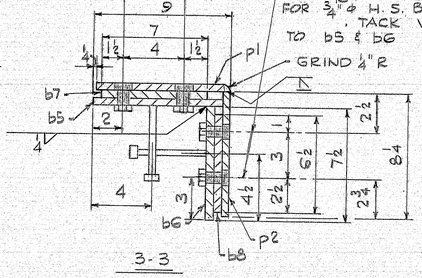


1-1

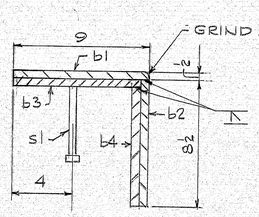


2-2

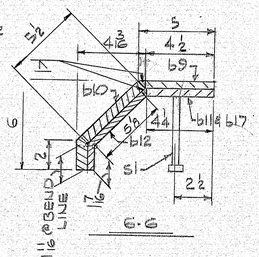
CJ2
3 REQ'D



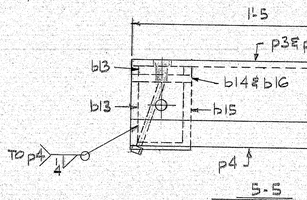
3-3



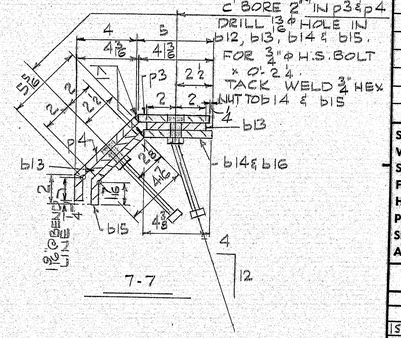
4-4



6-6



5-5



7-7

SHIP	BILL OF MATERIAL			JOB NO. B72-29	DWG. NO. 58-3

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.		REMARKS
CJ1	4		SHOP ASSY		—			
CJ2	3		SHOP ASSY		—			
CJ3	1		SHOP ASSY		—			
	4	p1	PL 1/2 x 8 3/4	1 5 11/16		40		
	4	p2	PL 1/2 x 8 1/4	1 5		41		
	3	p3	BAR 4 13/16 x 1/2	1 5 3/16				
	3	p4	BAR 6 7/8 x 1/2	1 5 9/16				BENT
	1	p5	BAR 4 13/16 x 1/2	1 5 7/16				
	4	b1	BAR 1 x 1/2	0 9				
	4	b2	BAR 1 x 3/4	0 8 1/2				
	4	b3	BAR 5 x 1/2	0 8 3/8		39		
	4	b4	do	0 8		39		
	4	b5	BAR 4 x 1/2	0 8 13/16				
	4	b6	do	0 7 1/2				
	4	b7	BAR 3 x 1/2	0 7				
	4	b8	do	0 6 1/2				
	4	b9	BAR 1 x 1/2	0 4 1/2				
	4	b10	BAR 1 x 3/4	0 7 1/4				BENT
	3	b11	BAR 5 x 1/2	0 4 5/8		38		
	4	b12	do	0 6 5/16		38		BENT
	8	b13	BAR 3 x 1/2	0 4				
	3	b14	BAR 4 x 1/2	0 4 1/16				
	4	b15	do	0 5 3/8				BENT
	1	b16	do	0 4 1/2				
	1	b17	BAR 5 x 1/2	0 4 4		38		
	24	s1	1/2 Φ STUD	0 5		45		
	24	SHOP	3/4 Φ H.S. BOLT	0 2 4				A325
	24	do	3/4 Φ HEX NUT					do
			ITEM 504.70					
			PROJ. NO: I 95-5(7)75					

STEEL: ASTM. A36
WELDING ELECTRODE SEE WELDING PROCEDURE E7018, E7028
SHOP CONN: WELDED
FIELD CONN: BOLTED & WELDED
HOLES: AS NOTED
PAINT: RED LEAD PER MAINE SPECS & AS NOTED
SPECIAL CLEANING: BLAST CLEAN
APPROVED: AS NOTED 6-21-72

CURB JOINT CJ1, CJ2 & CJ3

PRINT DIST.		
2D	6-2-72	A
SEMA	6-23-72	BREWER
8D	6-23-72	R.S.&T.
2D	6-23-72	CUST.

REV.		
CHECKED	6-2-72	R.G.M.
DRAWN	3-27-72	D.W.L.

Bancroft & Martin Inc.
South Portland, Maine 04106

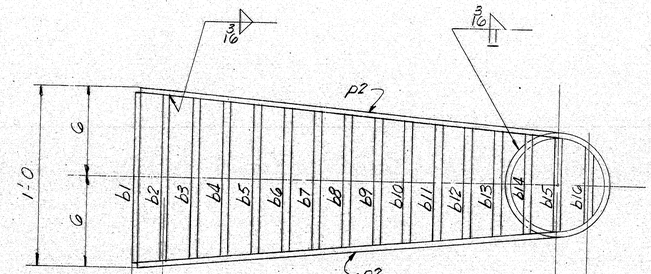
JOB: RT. 196 OVER I-95
TOPSHAM, MAINE

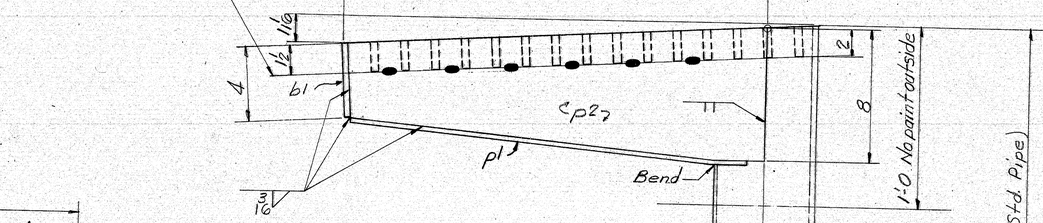
CUSTOMER: REED & REED
DESIGNER: M.S.H.C. BRIDGE DIV.

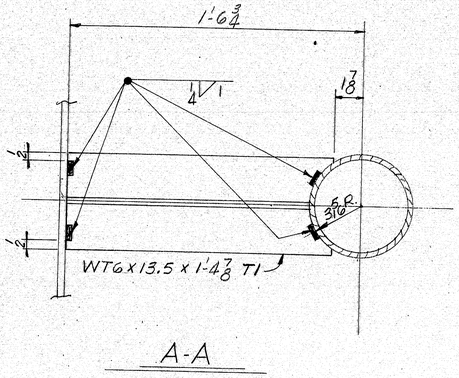
ORDER NO.	JOB NO.	DRAWING NO.
	B72-29	58.3

155-154

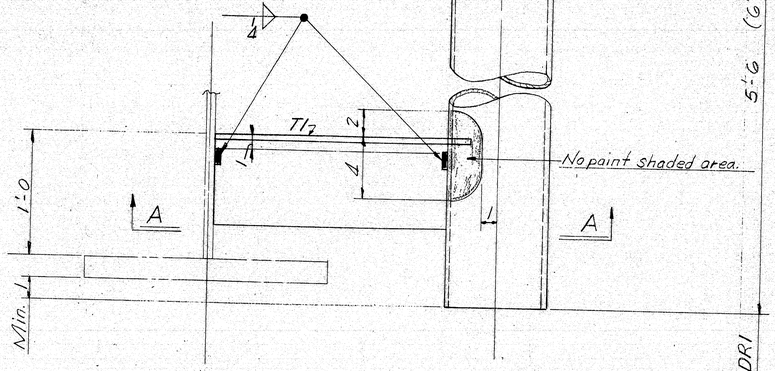
[redacted]







A-A



SHIP	BILL OF MATERIAL					JOB NO. B72-29	DWG. NO. 59-1
MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
DR1	1		6 ø Std Pipe	5 6		34	
T1	1		WT6x13.5	1 4 7/8		35	
	1	b1	Bar 4 x 1/4	0 11 1/2		32	
	1	b2	Bar 2 x 1/2	0 11 13/16		33	
	1	b3	DO	0 10 13/16		"	
	1	b4		0 10 1/16			
	1	b5		0 10			
	1	b6		0 9 3/16			
	1	b7		0 9 1/16			
	1	b8		0 8 13/16			
	1	b9		0 8 3/16			
	1	b10		0 8			
	1	b11		0 7 3/16			
	1	b12		0 7 1/16			
	1	b13		0 6 13/16			
	1	b14		0 6 3/8			
	1	b15		0 6			
	1	b16		0 5 3/8		33	
	1	p1	PL 1/4 x 11 1/2	2 3		31	Fit
	3	p2	PL 1/4 x 8	2 3 3/4		30	

ITEM 502.70
PROJ. No. I-95-3(7) 75

STEEL: ASTM. A36
WELDING ELECTRODE: See Welding procedures.
SHOP CONN: Welded
FIELD CONN: Welded
HOLES: As Noted.
PAINT: Red Lead per Maine Specs. & as noted.
SPECIAL CLEANING: Blast Clean
APPROVED: 2-22-72

DRAINS

PRINT DIST.		
F.A	2-15-72	2
Brewer	2-24-72	SAR
FEF	2-24-72	3
MUST	3-16-72	2
REV.		
CHECKED		JPF
DRAWN	2-15-72	RSM

Bancroft & Martin Inc.
South Portland, Maine 04106

JOB: RT. 196 OVER I-95
TOPSHAM, MAINE

CUSTOMER: REED & REED
DESIGNER: ME. S.H.C. BRIDGE DIV.
ORDER NO. | JOB NO. B72-29 | DRAWING NO. 59-1

155-155