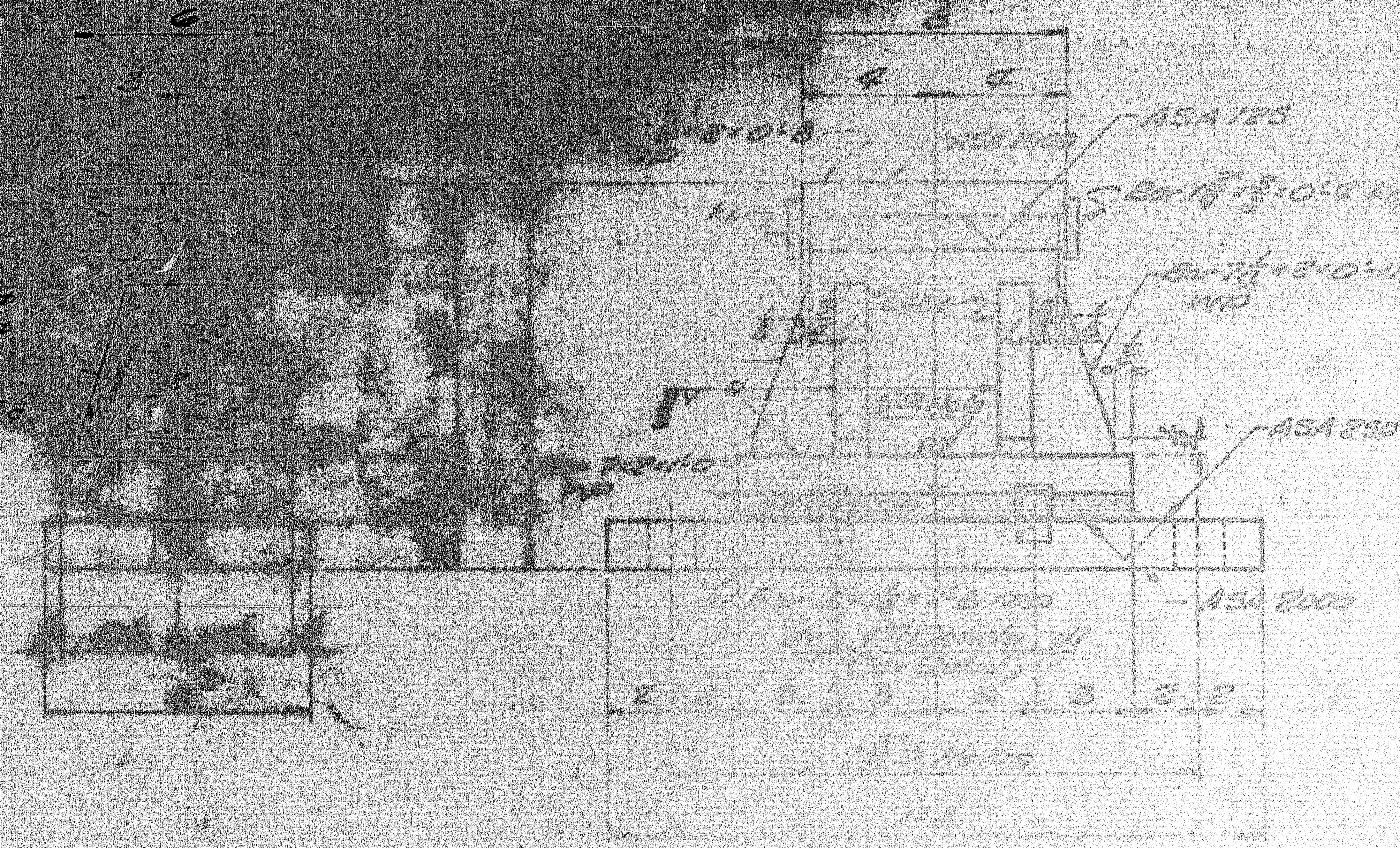
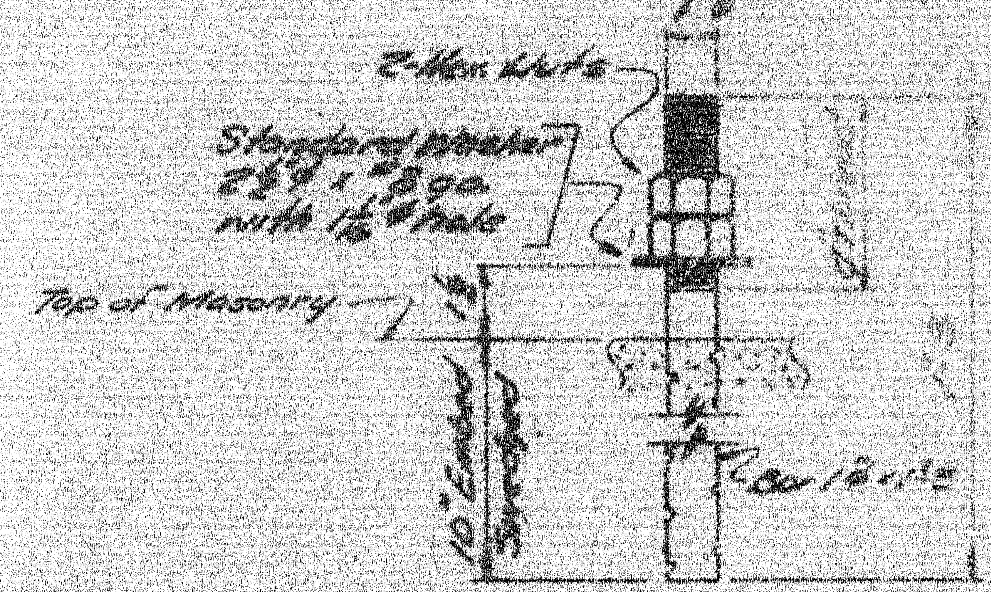
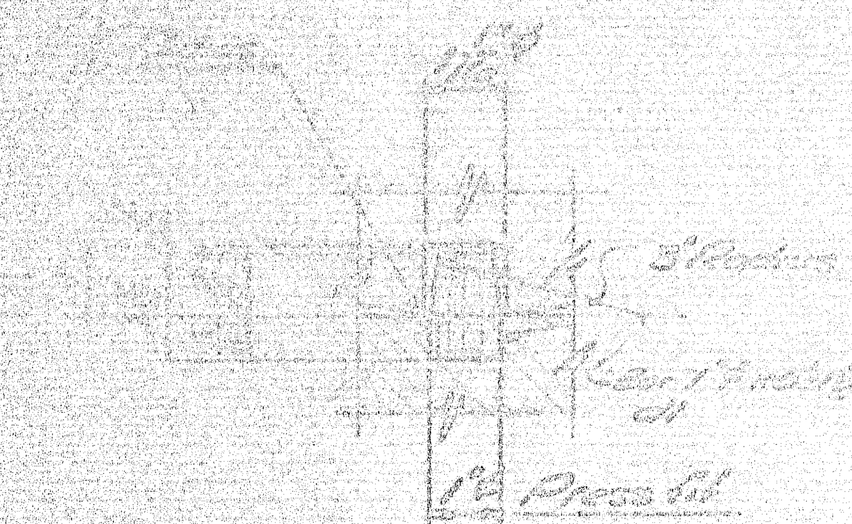


EXPANSION



ANCHOR BOLT - AB1

48 - REQ'D

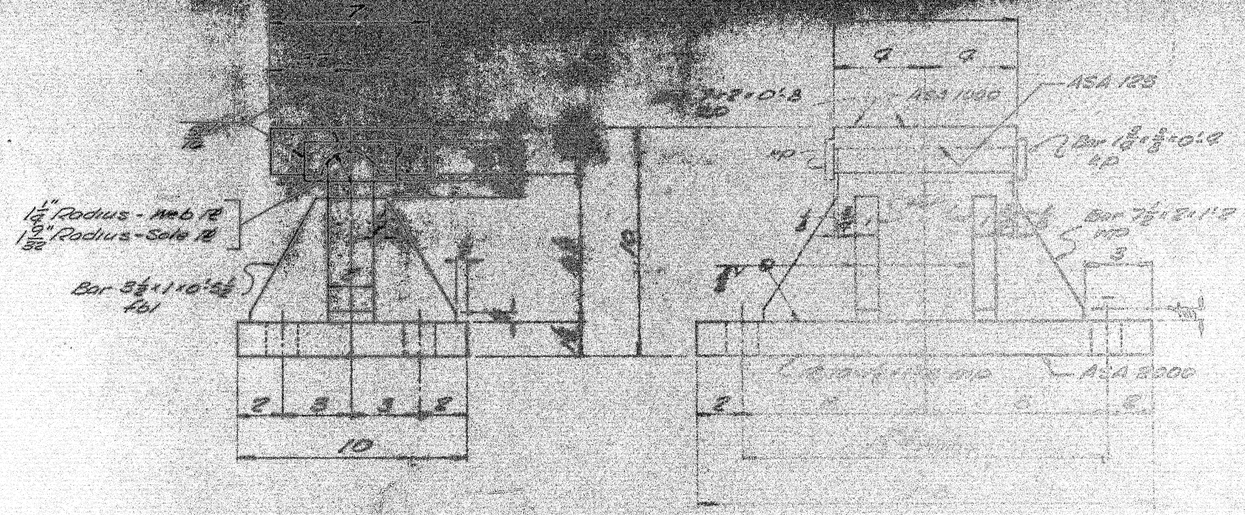


DOWEL DETAIL

Fabric Pad "SA87"

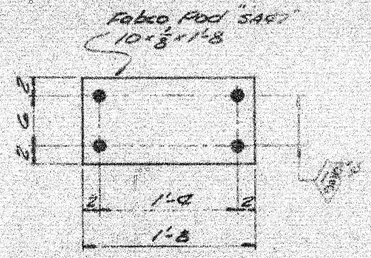
SHIP	BILL OF MATERIAL					
MARK	NO.	MARK	SHAPE	LENGTH	WT.	
AB1	48					
FP1	24					

100-129



FIXED PEDESTAL

12 - REQ'D.



FABCO "SA97" PAD

FP2 12-REQ'D.

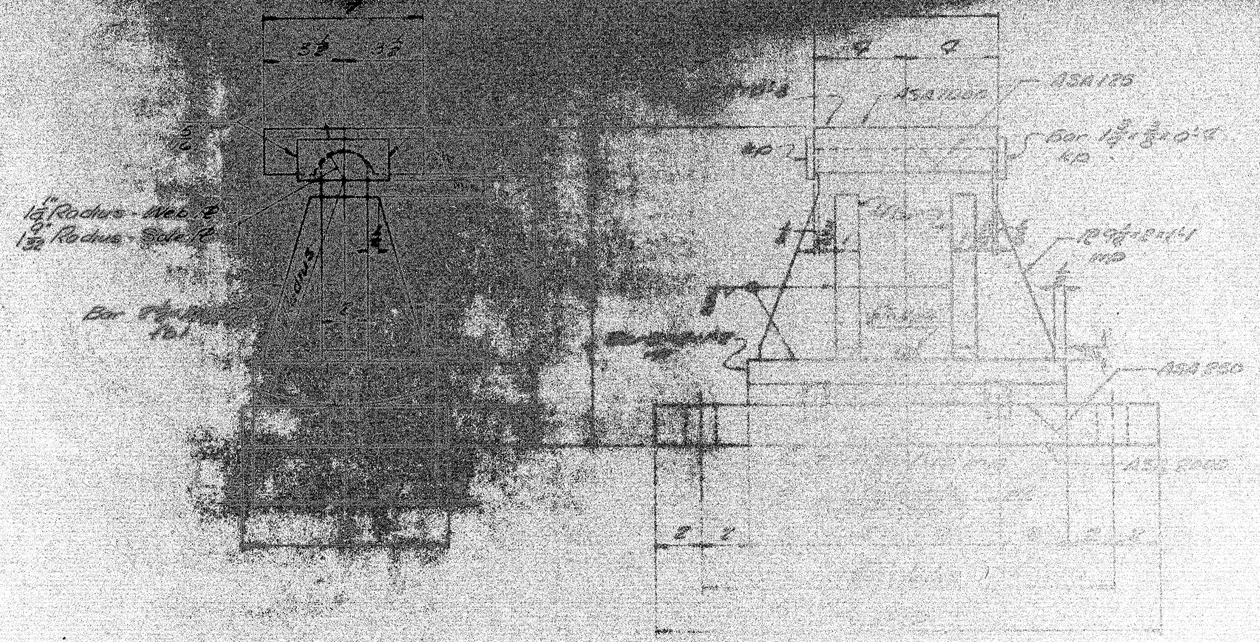
SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.
FP2	12		Fabco Pad "SA97"		
	12	HP	Bar 1⅛×⅝×0'-8		
	12	HP	Bar 7/8×8×1'-8		
	12	SOLE	Bar 7/8×8×1'-8		
	24	HOB	Bar 3½×1×5½		
	48	FBL	Bar 3½×1×5½		
ASA	48		Bar 1⅛×⅝×0'-8		
	96	STUD	⅝" Dia.		
FPW	48		Fabco Pad Weld		
FPG	12		Fabco Pad Grout		

ASA 125 Bolt ASA

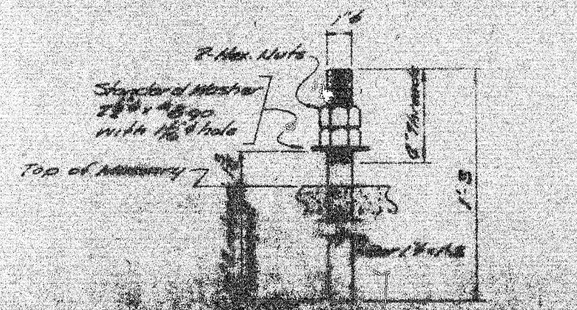
48 - REQ'D.

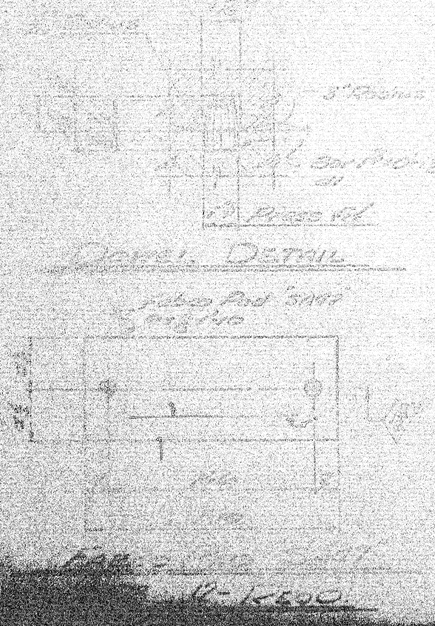
100-130

SHIP MARK	NO.	BARK	SHAPE	LENGTH	WT.	STRUCT.	REMARKS
GRID	12						
	12						
	12						
	12						
	12						
	12						
	12						
	12						
ABT	24						
	24						
BUTT	24						
GRID	12						



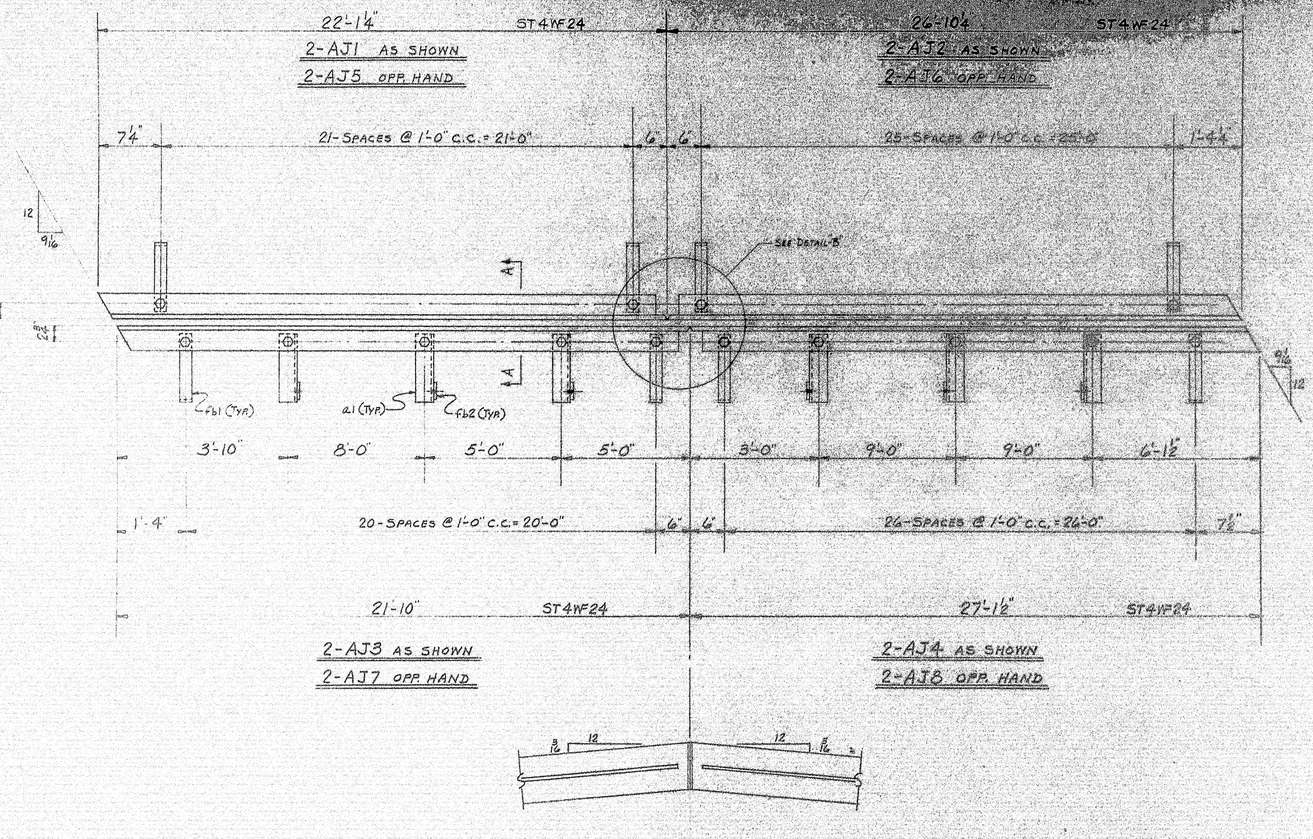
EXPANSION PEDESTAL
12 - 15

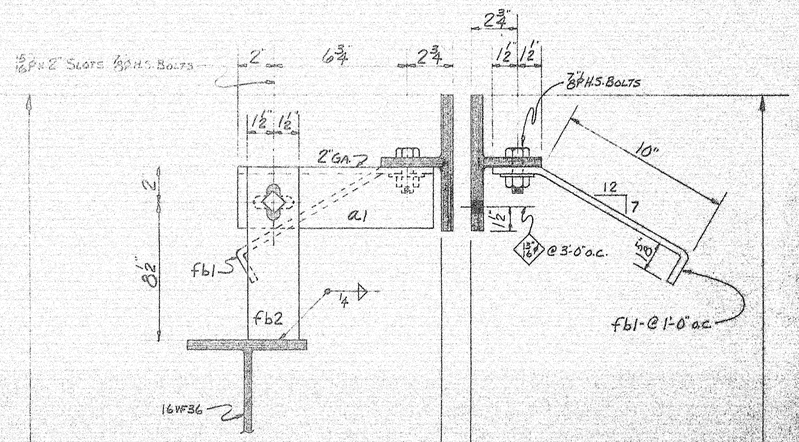


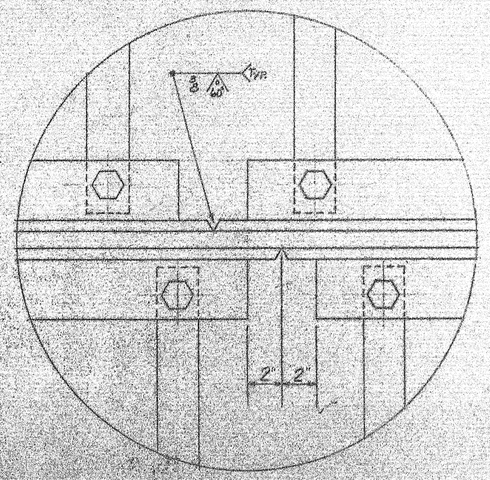


PANEL DETAIL

100-131







SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
AJ1	2		ST4WF24	22 1¼		A36
AJ2	2			26 10¼		
AJ3	2			21 10		
AJ4	2			27 1½		
AJ5	2			22 1¼		
AJ6	2			26 10¼		
AJ7	2			21 10		
AJ8	2		do	27 1½		do
	24	a1	3½ x 3½ x 5/8	0 10¾		12"-6"
	584	fb1	FB. 2½ x 3/8	1 3		BENT
	24	fb2	FB. 3 x 3/8	0 10½		
	432	SHOP	¾ H.S. BOLT	0 2¼		HEAVY NUTS A325
	432	SHOP	¾ H.S. WASHERS			

BILL OF MATERIAL — DWG. B66-399-54

SHOP CONNECTIONS: ¾ H.S. BOLTS
FIELD CONNECTIONS:
HOLES: 15/16 Ø U.N.
PAINT: STATE OF MAINE SPECS.

PROJ. No. I-95-9(34)258 — APP 7-12-67

NORTHBOUND & SOUTHBOUND ARMORED JOINT

PRINT ISSUE		
2	S.H.C.	2-15-67
3	CUST.	2-15-67
6	SHOP	2-15-67
3	F.A.	1-30-67
DRAWN		1-24-67 C.J.M.
REVISION		
REVISION		
REVISION		

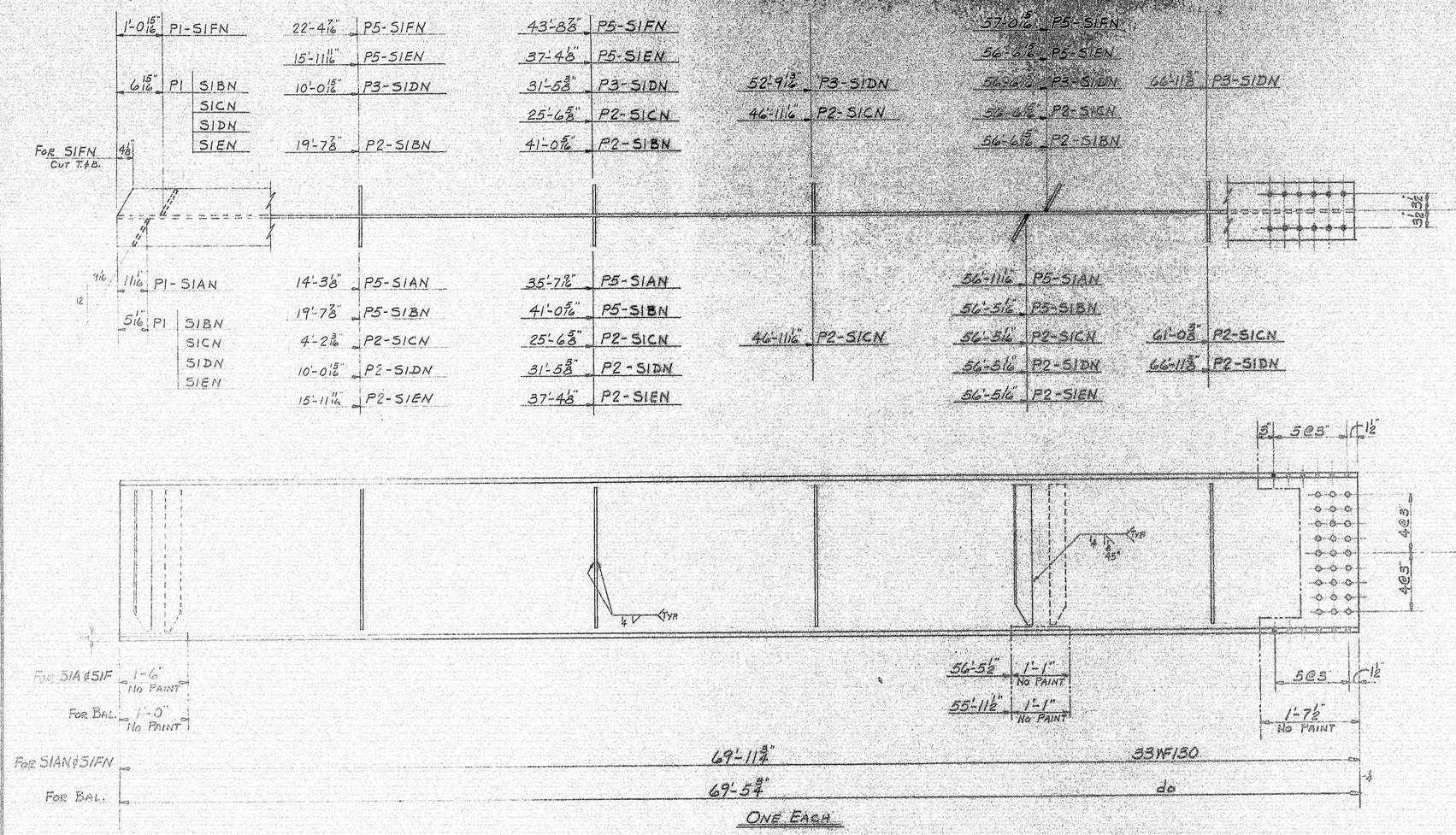
Peabody & Mestas Inc.
Bangor, Maine

I-95 OVER BENEDICTA ROAD
SHERMAN, MAINE

CUSTOMER: CALLAHAN BROS.
DESIGNER: M.S.H.C.

ORDER VERBAL — DWG. B66-399-54

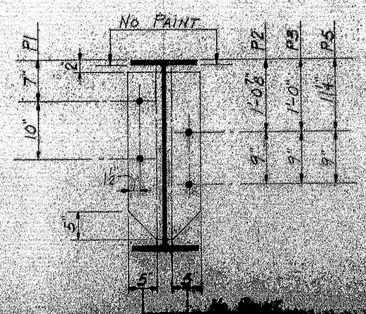
100·132



SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
SIAN	1		33WF130	69 11 3/4		A441
SIBN	1			69 5 3/4		
SICN	1			69 5 3/4		
SIDN	1			69 5 3/4		
SIEN	1			69 5 3/4		
SIFN	1		do	69 11 3/4		do
	10	P1	R 6 x 3/8	2 5		A36
	18	P2		2 5		
	5	P3		2 5		
	12	P5	do	2 5		do

PLACE ANY NATURAL CAMBER UP.

THIS END ABUT. #1



MATCH THIS END WITH STRINGERS MARKED "S2"

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

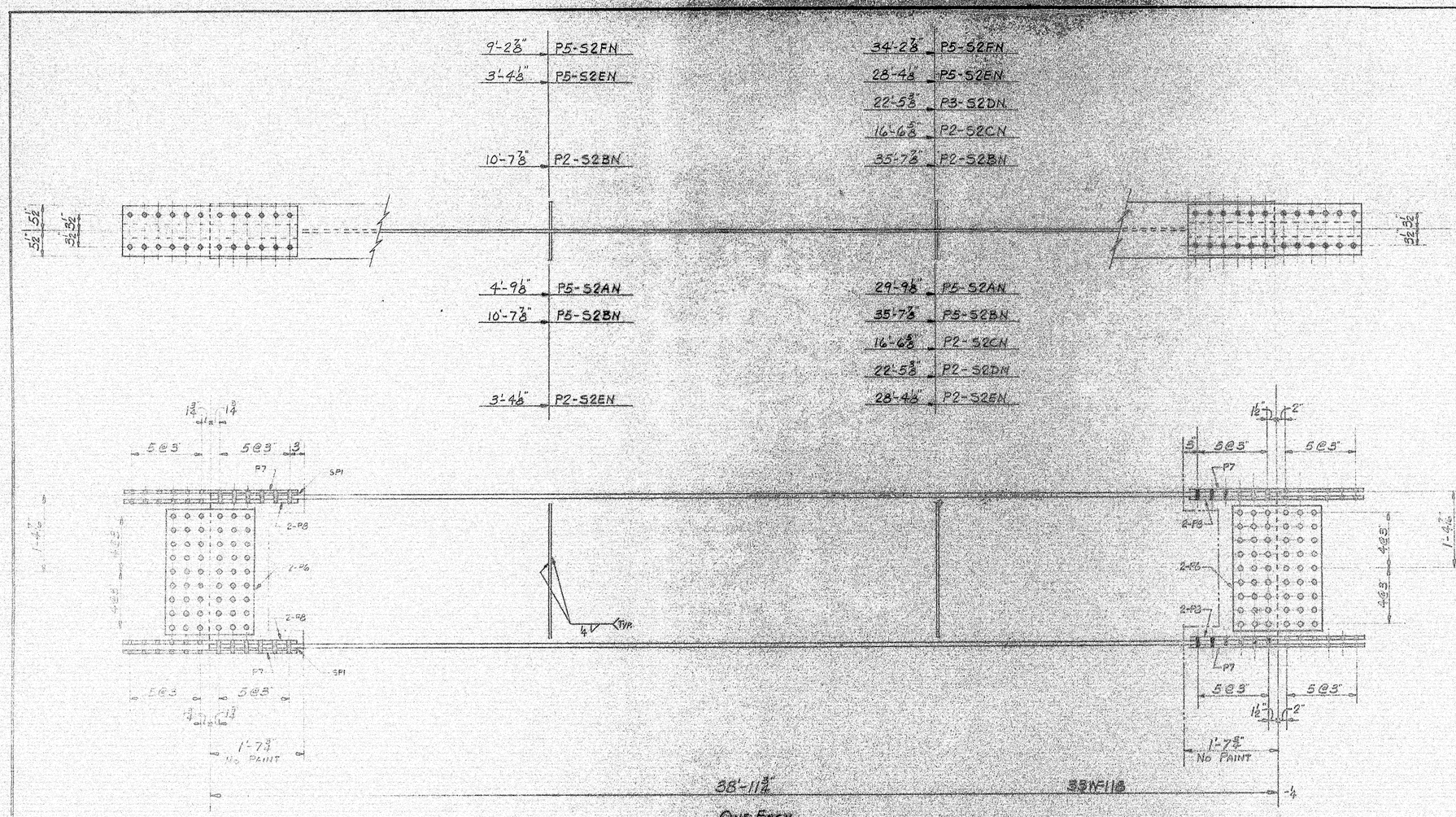
PROJ. No. I-95-9(34)250 APP. AS NOTED 2-13-67

NORTHBOUND STRINGERS - SPAN #1

POINT ISSUE			
6	SHOP	2-20-67	
2	S.H.C.	2-15-67	
5	CUST.	2-15-67	
6	SHOP	2-15-67	
5	F.A.	1-30-67	
	DRAWN	1-25-67	C.J.M.
P2	REVISION	2-20-67	C.J.M.
	REVISION		
	REVISION		

Bancroft & Morris Inc.
Bangor, Maine
I-95 OVER BENEDICTA ROAD
SHERMAN, MAINE
CUSTOMER CALLAHAN BROS.
DESIGNER M.S.H.C.
ORDER VERBAL DWG. B66-399-S5

100-133

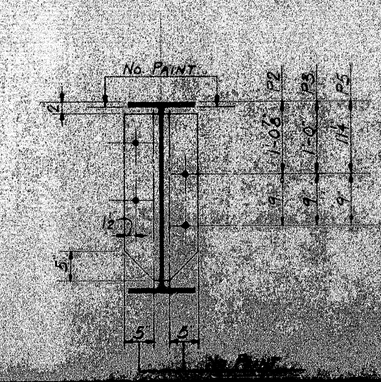


ONE EACH
S2AN-S2BN-S2CN-S2DN-S2EN-S2FN

PLACE ANY NATURAL CAMBER UP

MATCH THIS END WITH STRINGERS MARKED -S1"

MATCH THIS END WITH STRINGERS MARKED -S5"



SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
S2AN	1		36WF118	38 11 3/4		A-41
S2BN	1			38 11 3/4		
S2CN	1			38 11 3/4		
S2DN	1			38 11 3/4		
S2EN	1			38 11 3/4		
S2FN	1		do	38 11 3/4		do
	7	P2	PL 6x 3/8	2 5		A36
	1	P3		2 5		
	8	P5	do	2 5		
	24	F6	PL 18 3/8 x 5/8	2 3		
	24	F7	PL 11 x 7/16	3 0 1/2		
	48	P8	PL 4 x 5/8	3 0 1/2		
	12	SP1	PL 11 x 3/8	1 6 1/4		do
	96	SHOP	3/4" H.S. BOLT	0 3 1/2		FLANGE BOLTS A325
	24	SHOP	do	0 3 1/4		WEB BOLTS
FIELD	495		3/4" H.S. BOLT	0 3 1/2		FLANGE A325
do	636		do	0 3 1/4		WEB do
do	1250		3/4" F.S. WASHER			
do	284		3/4" M BOLT	0 2		
do	448		3/4" STR. WASHERS			

SHOP CONNECTIONS: WELD E70 LOW-HYDROGEN
FIELD CONNECTIONS: 3/4" H.S. BOLTS
HOLES: 13/16" ø
PAINT: STATE OF MAINE SPECS

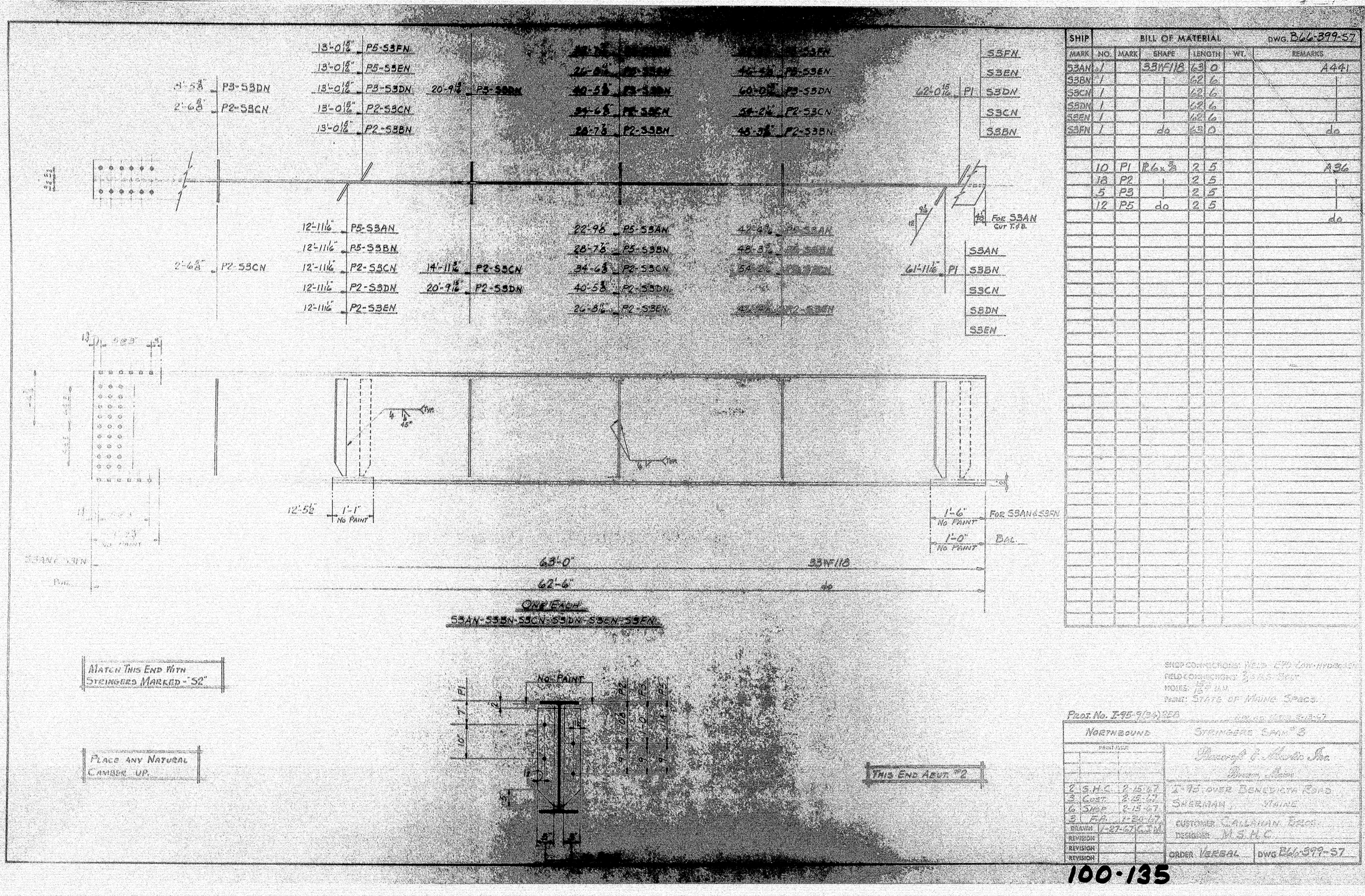
PROJ. No. I-95-9(34)258 — AS NOTED 2-15-67

NORTHBOUND STRINGERS SPAN "2"

PRINT ISSUE		
2	S.H.C.	2-15-67
1	CUST.	2-15-67
0	SHOP	2-15-67
3	F.A.	1-30-62
DRAWN	1-26-67	C.T.M.
REVISION		
REVISION		
REVISION		

Ruscoe & Martin Inc.
Bangor, Maine
I-95 OVER BENEDICTA ROAD
SHERMAN, MAINE
CUSTOMER CALLAHAN BROS.
DESIGNER M.S.H.C.
ORDER VERBAL — DWG. B66-399-S6

100-134



SHIP		BILL OF MATERIAL				DWG. B66-399-S7
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
S3AN	1		33WF118	63 0		A441
S3BN	1			62 6		
S3CN	1			62 6		
S3DN	1			62 6		
S3EN	1			62 6		
S3FN	1		do	63 0		do
	10	P1	PL 6x 3/8	2 5		A36
	18	P2		2 5		
	5	P3		2 5		
	12	P5	do	2 5		do

SHOP CONNECTIONS: WELD - E70 (AWS-HYDRAIR)
FIELD CONNECTIONS: 3/4 A325 - BOLTS
NOTES: 15 P.S.I.
PAINT: STATE OF MAINE SPECS.

PROJ. No. I-95-9(34)0EA — Issued for Bid: 2-13-67

NORTHBOUND — STRINGERS SPAN "B"

PRINT ISSUE

2	S.H.C.	2-15-67
3	Cost	2-15-67
6	Shop	2-15-67
5	F.P.	1-24-67
DRAWN		1-27-67 C.J.M.
REVISION		
REVISION		
REVISION		

Maurice E. Martin Inc.
Bangor, Maine

I-95 OVER BENEDICTA ROAD
SHERMAN, MAINE

CUSTOMER CALLAHAN BROS.
DESIGNED M.S.H.C.

ORDER VERBAL — DWG B66-399-S7

100-135

1'-0 15/16"	P1-SIFS	22'-4 7/16"	P5-SIFS	43'-8 7/8"	P5-SIFS			57'-0 15/16"	P5-SIFS
		15'-11 11/16"	P5-SIES	37'-4 7/8"	P5-SIES			56'-6 15/16"	P5-SIES
6 15/16"	P1 SIES	10'-0 15/16"	P2-SIDS	31'-5 3/8"	P2-SIDS	52'-9 13/16"	P2-SIDS	56'-6 15/16"	P2-SIDS
	SIDS			25'-6 5/8"	P2-SICS	46'-11 1/16"	P2-SICS	56'-6 15/16"	P2-SICS
	SICS								
	SIBS	19'-7 3/8"	P2-SIBS	41'-0 5/16"	P2-SIBS			56'-6 15/16"	P2-SIBS

FOR SIFS CUT T. & B. 4 1/8

9/16 11/16"	P1-SIAS	14'-3 3/8"	P5-SIAS	35'-7 9/16"	P5-SIAS			56'-11 1/16"	P5-SIAS
12		19'-7 3/8"	P5-SIBS	41'-0 5/16"	P5-SIBS			56'-5 1/16"	P5-SIBS
5 1/16"	P1 SIBS	4'-2 3/16"	P3-SICS	25'-6 5/8"	P3-SICS	46'-11 1/16"	P3-SICS	56'-5 1/16"	P3-SICS
	SICS	10'-0 15/16"	P2-SIDS	31'-5 3/8"	P2-SIDS			56'-5 1/16"	P2-SIDS
	SIDS								
	SIES	15'-11 11/16"	P2-SIES	37'-4 7/8"	P2-SIES			56'-5 1/16"	P2-SIES

								61'-0 5/8"	P3-SICS
								66'-11 3/8"	P2-SIDS

3 1/2 3/4

5" 5@3" 1 1/2"

4@3" 4@3" 1'-4 9/16"

1/4 TYP

1/4 TYP 45°

5@3 1 1/2"

1'-7 1/2" No Paint

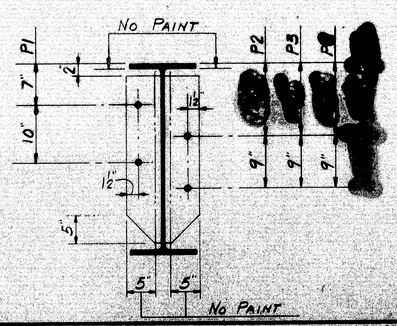
FOR SIAS & SIFS	1'-6" No Paint	56'-5 1/2"	1'-1" No Paint
FOR BAL.	1'-0" No Paint	55'-11 1/2"	1'-1" No Paint

FOR SIAS & SIFS	69'-11 3/4"	33WF130
FOR BAL.	69'-5 3/4"	do

ONE EACH
SIAS-SIBS-SICS-SIDS-SIES-SIFS

PLACE ANY NATURAL CAMBER UP.

THIS END ABUT. #1



MATCH THIS END WITH STRINGERS MARKED "S2"

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
SIAS	1		33WF130	69 11 3/4		A441
SIBS	1			69 5 3/4		
SICS	1			69 5 3/4		
SIDS	1			69 5 3/4		
SIES	1			69 5 3/4		
SIFS	1		do	69 11 3/4		do
	10	P1	PL 6 x 3/8	2 5		A36
	18	P2		2 5		
	5	P3		2 5		
	12	P5	do	2 5		
	[illegible]					do

SHOP CONNECTIONS: WELD E70 LOW-HYDROGEN
FIELD CONNECTIONS: 3/4 H.S. BOLTS
HOLES: 15/16 ø U.N.
PAINT: STATE OF MAINE SPEC'S.

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

SOUTHBOUND STRINGERS SPAN #1

PRINT ISSUE		
2	S.H.C.	2-15-67
3	CUST.	2-15-67
6	SHOP	2-15-67
3	F.A.	1-30-67
DRAWN	1-27-67	C.J.M.
REVISION		
REVISION		
REVISION		

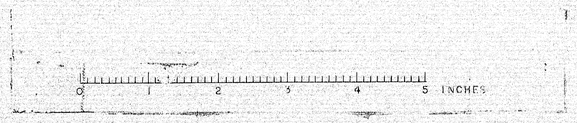
Bancroft & Martin Inc.
Brewer, Maine

I-95 OVER BENEDICTA ROAD
SHERMAN, MAINE

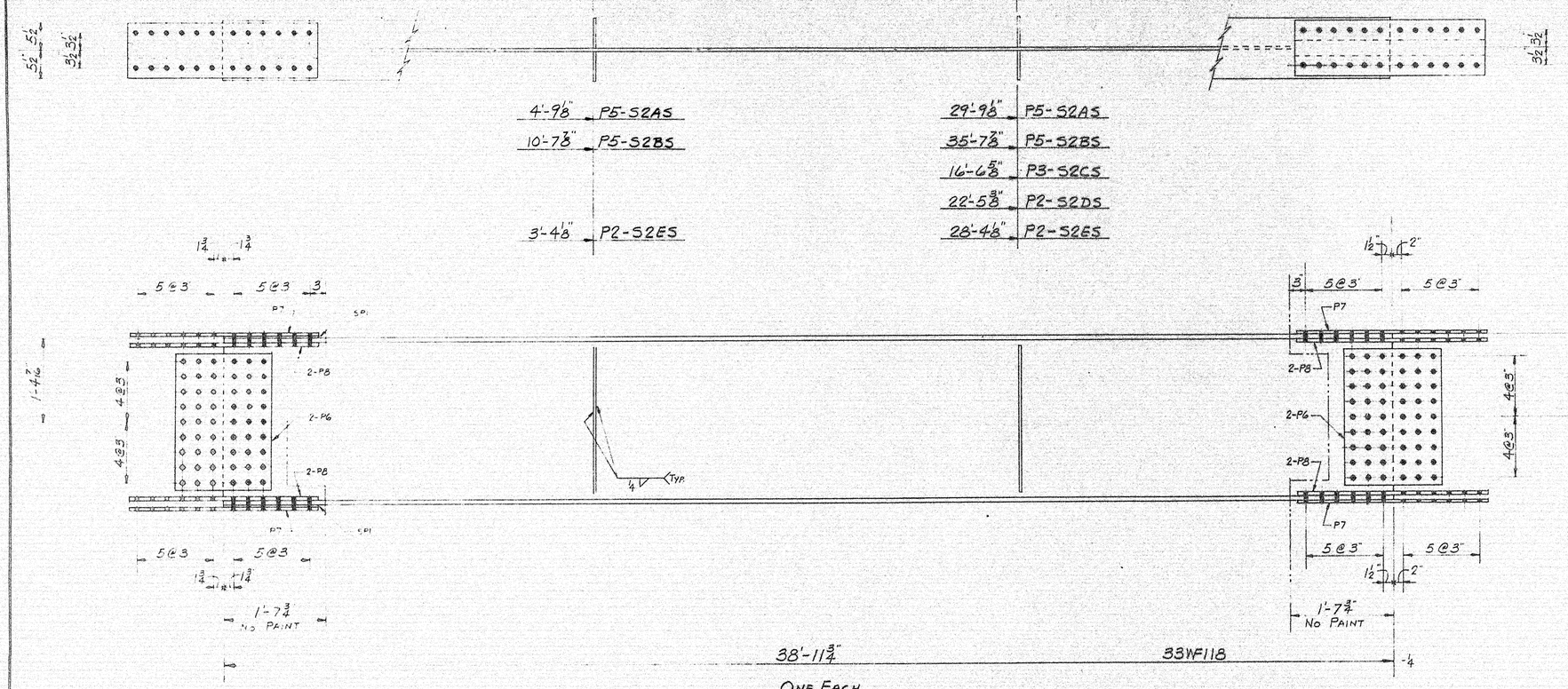
CUSTOMER CALLAHAN BROS.
DESIGNER M.S.H.C.

ORDER VERBAL DWG. B66-399-58

100-136



9'-2⅜"	P5-S2FS		34'-2⅜"	P5-S2FS			
3'-4⅛"	P5-S2ES		28'-4⅛"	P5-S2ES			
			22'-5⅜"	P2-S2DS			
			16'-6⅝"	P2-S2CS			
10'-7⅜"	P2-S2BS		35'-7⅜"	P2-S2BS			
4'-9⅜"	P5-S2AS		29'-9⅜"	P5-S2AS			
10'-7⅜"	P5-S2BS		35'-7⅜"	P5-S2BS			
			16'-6⅝"	P3-S2CS			
			22'-5⅜"	P2-S2DS			
3'-4⅛"	P2-S2ES		28'-4⅛"	P2-S2ES			



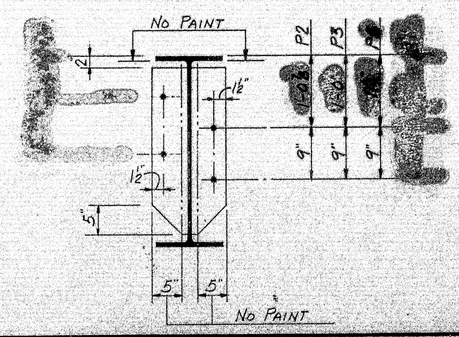
38'-11¾" 33WF118

ONE EACH

S2AS-S2BS-S2CS-S2DS-S2ES-S2FS

PLACE ANY NATURAL CAMBER UP

MATCH THIS END WITH STRINGERS MARKED "S1"



MATCH THIS END WITH STRINGERS MARKED "S3"

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
S2AS	1		33WF118	38 11¾		A441
S2BS	1			38 11¾		
S2CS	1			38 11¾		
S2DS	1			38 11¾		
S2ES	1			38 11¾		
S2FS	1		do	38 11¾		do
	7	P2	PL 6x⅜	2 5		A36
	1	P3		2 5		
	8	P5	do	2 5		
	24	P6	PL 18½x⅝	2 3		
	24	P7	PL 11x7/16	3 0½		
	48	P8	PL 4x¾	3 0½		
	12	SPI	PL 11x⅜	1 6¼		do
	96	SHOP	⅞ϕ H.S. BOLT	0 3½		FLANGE BOLTS A325
	24	SHOP	do	0 3¼		WEB BOLTS "
FIELD	495		⅞ϕ H.S. BOLT	0 3½		FLANGE A325
do	636		do	0 3¼		WEB do
do	1250		⅞ϕ H.S. WASHER			
do	224		⅝ϕ M. BOLT	0 2		
do	448		⅝ϕ STD. WASHER			

SHOP CONNECTIONS: WELD E70 LOW-HYDROGEN
FIELD CONNECTIONS: ⅞ϕ H.S. BOLTS
HOLES: 15/16ϕ U.N.
PAINT: STATE OF MAINE SPECS

PROJ. No. I-95-9(84)258 APP. AS NOTED 2-13-67

SOUTHBOUND STRINGERS SPAN #2

PRINT ISSUE		
2	S.H.C.	2-15-67
3	CUST.	2-15-67
6	SHOP	2-15-67
3	F.A.	1-30-67
DRAWN	1-27-67	C.J.M.
REVISION		
REVISION		
REVISION		

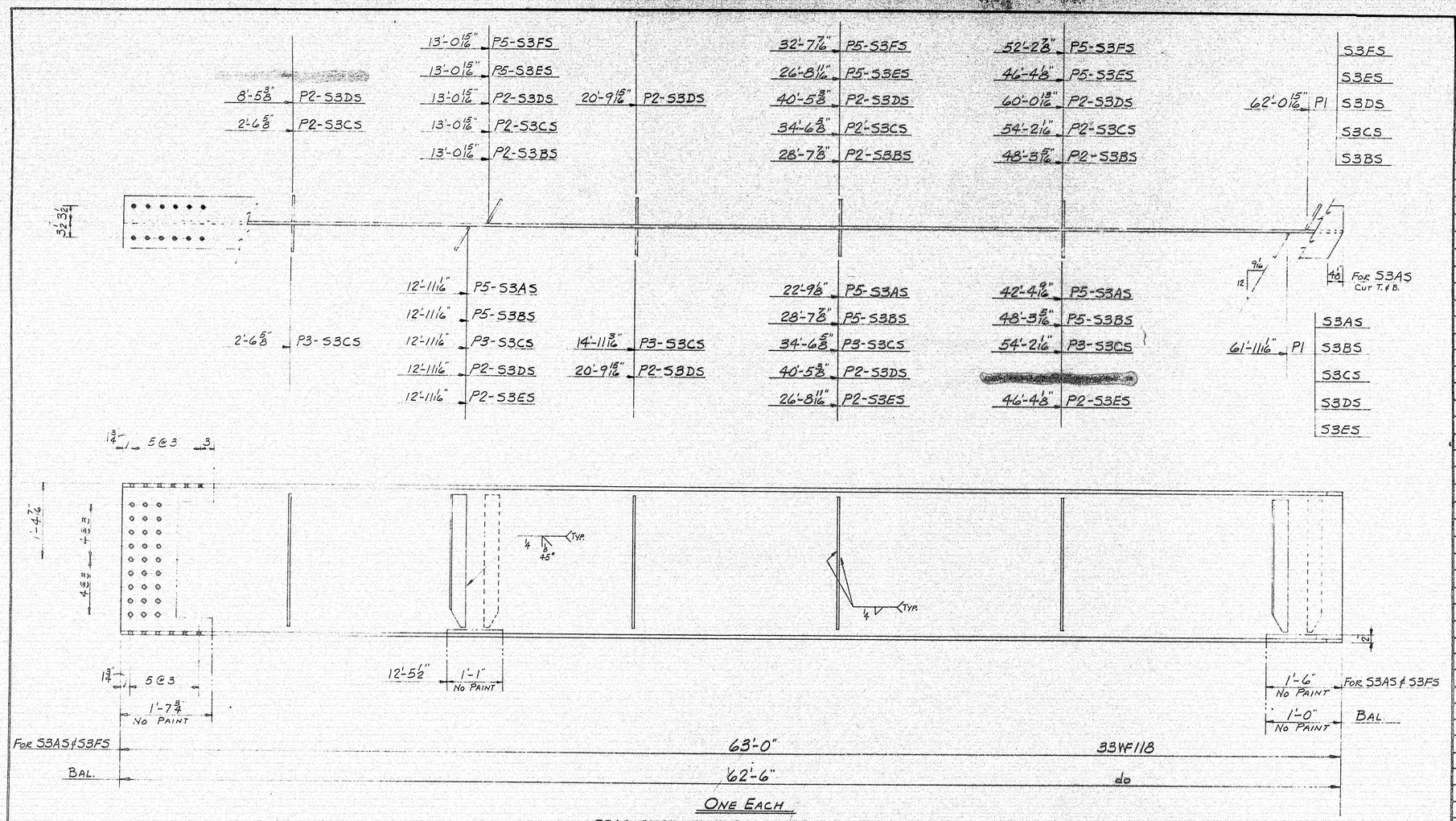
Bancroft & Martin Inc.
Brewer, Maine

I-95 OVER BENEDICTA ROAD
SHERMAN, MAINE

CUSTOMER CALLAHAN BROS.
DESIGNER M.S.H.C.
ORDER VERBAL DWG. B66-399-S9

100-137

0 1 2 3 4 5 INCHES



SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
S3AS	1		33WF118	63 0		A441
S3BS	1			62 6		
S3CS	1			62 6		
S3DS	1			62 6		
S3ES	1			62 6		
S3FS	1		do	63 0		do
	10	P1	PL 6 x 3/8	2 5		A36
	18	P2		2 5		
	5	P3		2 5		
	12		do	2 5		do

BILL OF MATERIAL — DWG. B66-399-S10

SHOP CONNECTIONS: WELD E70 LOW-HYDROGEN
FIELD CONNECTIONS: 7/8 ϕ H.S. BOLT
HOLES: 15/16 ϕ U.N.
PAINT: STATE OF MAINE SPECS.

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

SOUTHBOUND STRINGERS SPAN #3

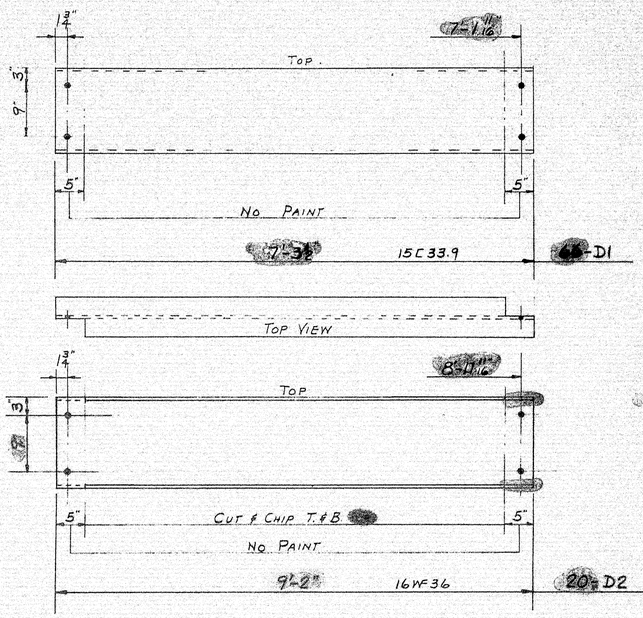
PRINT ISSUE		
2	M.S.H.C.	2-15-67
3	CUST.	2-15-67
6	SHOP	2-15-67
3	F.A.	1-30-67
DRAWN	1-27-67	C.J.M.
REVISION		
REVISION		
REVISION		

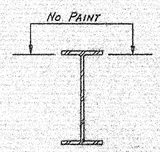
Bancroft & Martin Inc.
Brewer, Maine

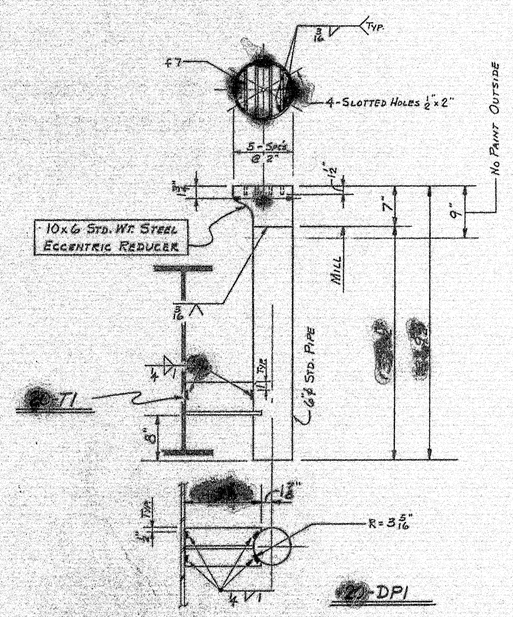
I-95 OVER BENEDICTA ROAD
SHERMAN, MAINE

CUSTOMER CALLAHAN BROS.
DESIGNER M.S.H.C.
ORDER VERBAL DWG. B66-399-S10

100-138







SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
D1	66		15C33.9	7 3½		A36
D2	20		16WF36	9		S
D3	20		do	9		
DP1	20		6ϕ STD. PIPE	3 2½		MIE A120
	20		10x6 STD STEEL WELDG. ECCENTRIC REDUCER			REQ. Do
T1	20		ST6WF13.5	0 7½		A36
	20	F7	F.B. 1½x½	0 10		CUT TO FIT

SHOP CONNECTIONS: WELD (E-70 LOW-HYDROGEN)
FIELD CONNECTIONS: BOLT & WELD
HOLES: 15/16ϕ UNLESS NOTED
PAINT: STATE OF MAINE SPECS.

PROJ. No I-95-9[redacted]

DIAPHRAGMS & DRAIN PIPE

PRINT ISSUE		
5	S.H.C.	2-[redacted]
3	CUST	[redacted]
5	SHOP	[redacted]
3	F.A.	[redacted]
DRAWN	[redacted]	C.J.M.
REVISION		
REVISION		
REVISION		

APPROVED 2-14-67

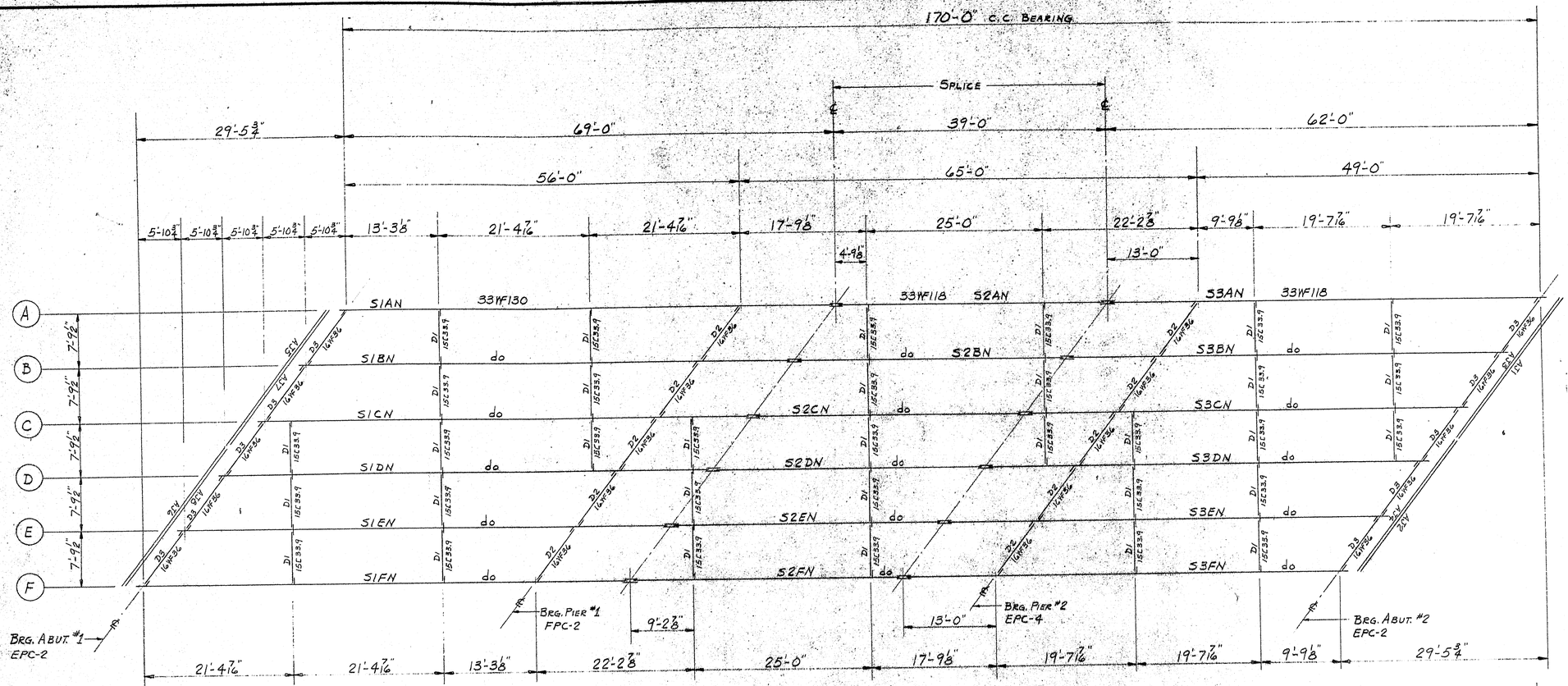
Bancroft & Martin Inc.
Brewer, Maine

[redacted] OVER [redacted] RIVER
[redacted] ROAD
[redacted] LINE

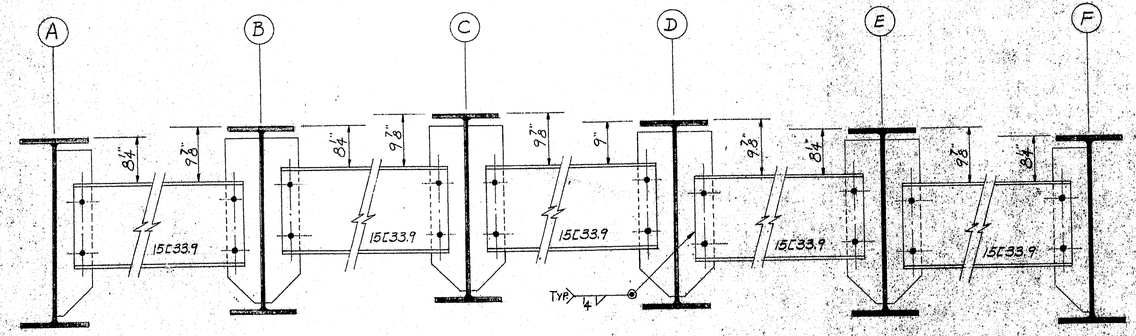
CUSTOMER [redacted]
DESIGNER STATE HIGHWAY COMMISSION
ORDER VERBAL DWG [redacted]

100-139

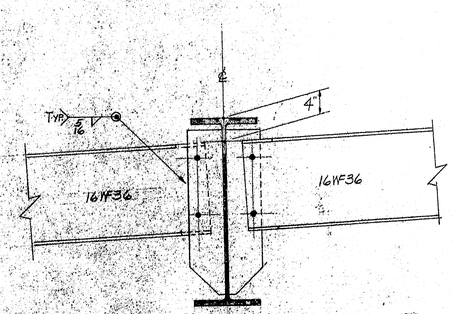
0 1 2 3 4 5 INCHES



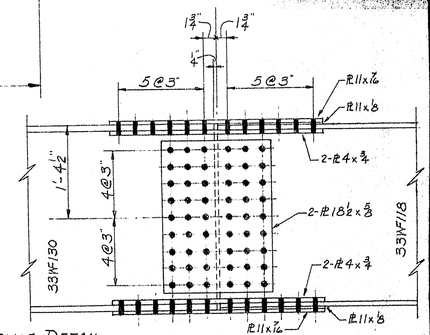
FRAMING PLAN
NORTHBOUND



DIAPHRAGM CONNECTION.



DIAPHRAGM CONNECTION



SPLICE DETAIL

SHOP CONNECTIONS: WELD E70 LOW-HYDROGEN
FIELD CONNECTIONS: 7/8" ϕ H.S. BOLTS
HOLES: 15/16" ϕ UN.
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		

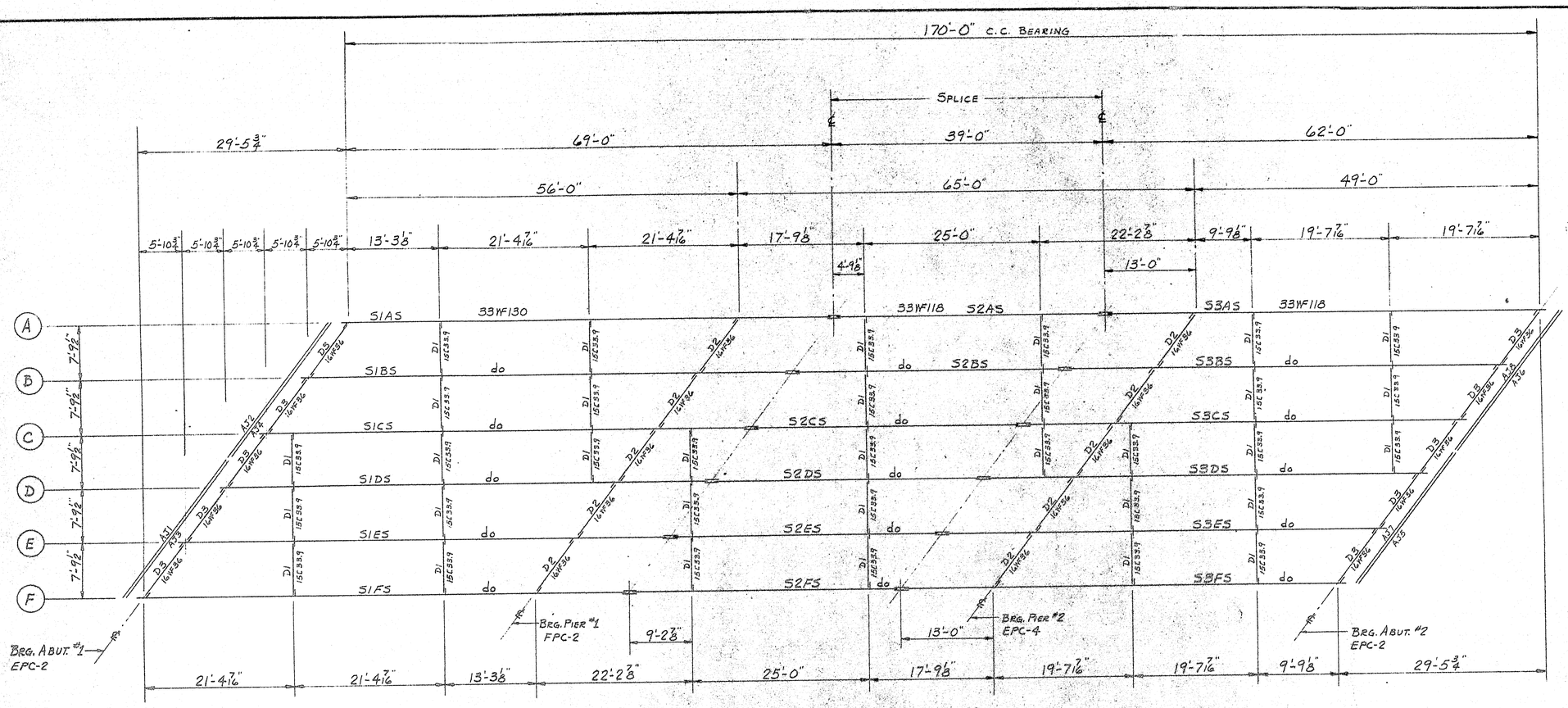
Bancroft & Martin Inc.
Brewer, Maine

I-95 OVER BENEDICTA ROAD
SHERMAN, MAINE

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

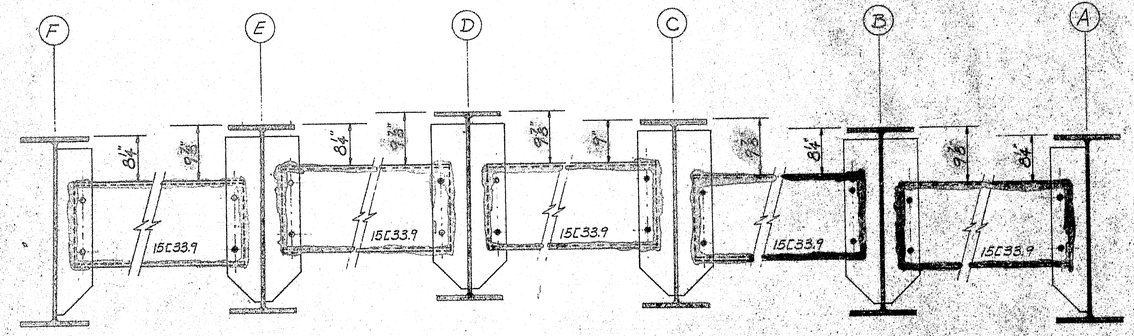
100-127

0 1 2 3 4 5 INCHES

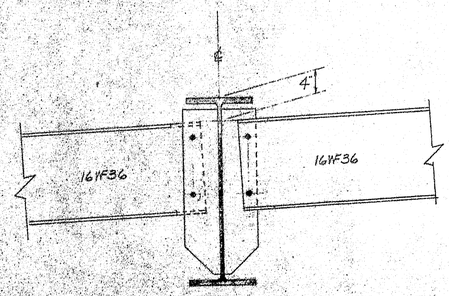


FRAMING PLAN

SOUTHBOUND



DIAPHRAGM CONNECTION



DIAPHRAGM CONNECTION

SHOP CONNECTIONS: WELD E70 LOW-HYDROGEN
FIELD CONNECTIONS: 3/4 ϕ H.S. BOLTS
HOLES: 15/16 ϕ UN.
PAINT: STATE OF MAINE SPEC'S.

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

SOUTHBOUND FRAMING PLAN

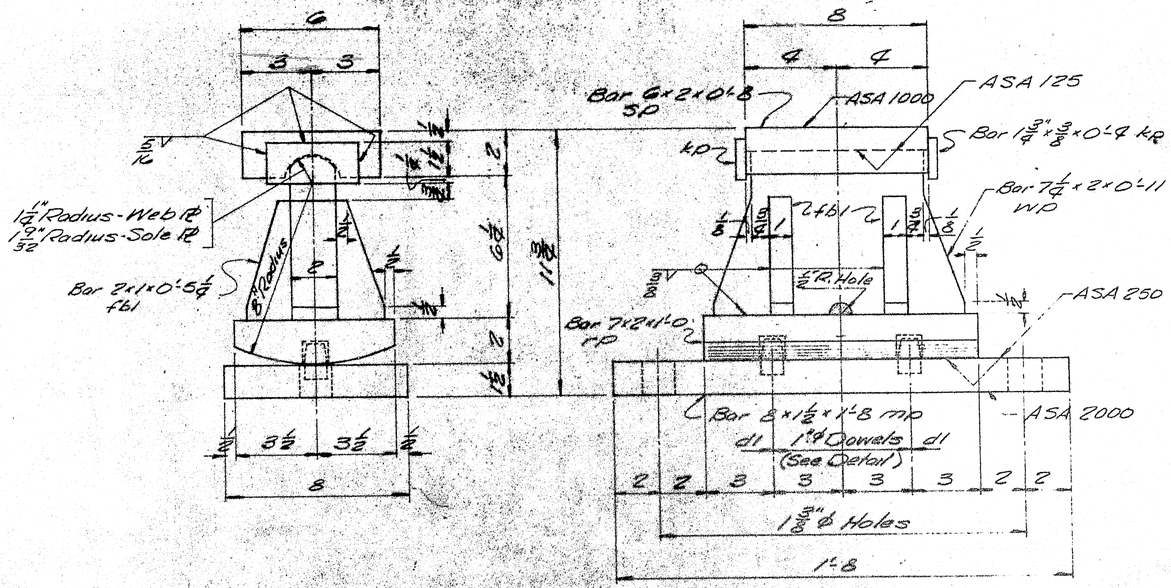
PRINT ISSUE		
2	S.H.C.	2-15-67
3	CUST.	2-15-67
2	SHOP	2-15-67
3	F.A.	1-30-67
DRAWN	1-23-67	C.J.M.
REVISION		
REVISION		
REVISION		

Bancroft & Martin Inc.
Brewer, Maine

I-95 OVER BENEDICTA ROAD
SHERMAN, MAINE

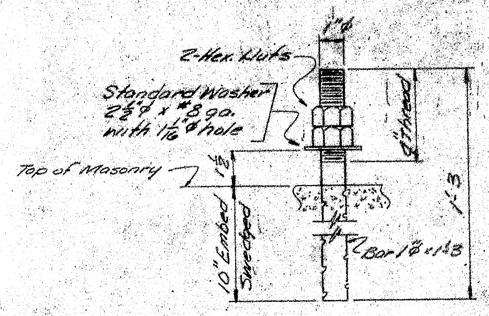
CUSTOMER CALLAHAN BROS.
DESIGNER M.S.H.C.
ORDER VERBAL DWG. B66-399-E2

100-128



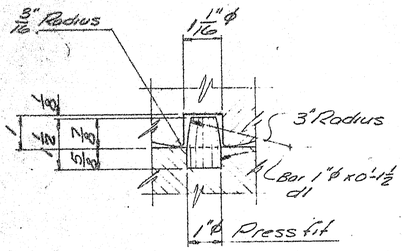
EXPANSION PEDESTAL EPC-2

24 - REQ'D.

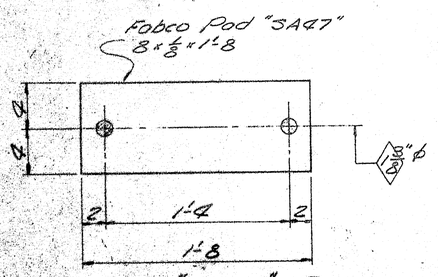


ANCHOR BOLT - AB1

48 - REQ'D.



DOWEL DETAIL



FABCO "SA47" PAD

FP1 24 - REQ'D.

PAINT NOTE:

No paint on top of sole plates "sp" and 1" down from top on sides, coat with boiled linseed oil.
No paint on surface with ASA 125 finish, coat with mixture of white lead and linseed oil.
No paint on Anchor Bolts or Nuts.

SHIP MARK	NO.	MARK	SHAPE	LENGTH		WT.	REMARKS
EPC-2	24		EXPANSION PEDESTAL ASSY.				
	24	mp	Bar 8 x 1/2	1	8		
	24	rp	Bar 7 x 2	1	0		
	24	wp	Bar 7 1/4 x 2	0	11		
	24	sp	Bar 6 x 2	0	8		
	96	fbl	Bar 2 x 1	0	5 1/4		
	48	dl	Bar 1" ø	0	1 1/2		
	48	kp	Bar 1 3/4 x 3/8	0	4		
AB1	48		Bar 1" ø	1	3		Swedged
	96	shop	1" Dia. Nuts				
field	48		1" Washer				3 fol. Washer - 2 1/2" O.D. x #8 ga. with 1 1/16" ø Hole
FP1	24		Pad 8 x 1/8	1	8		Fabco Pad "SA47" Req. No.

All allowance to be made for Machining when cutting above plates.

ITEM
PROJECT NO. I-95-9(34)258
Sole plates "sp" to be field welded to stringers.

Bearing material to be ASTM-A36, Anchor Bolts to be A7, A36, or A307.
All welds to be made with E70 Electrodes.

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS:
HOLES: As Noted
PAINT: Red lead per Maine S.H.C. Spec, and as noted.

NORTHBOUND & SOUTHBOUND

BEARING PEDESTAL DETAIL

Bancroft & Martin Inc.
South Portland 7, Maine

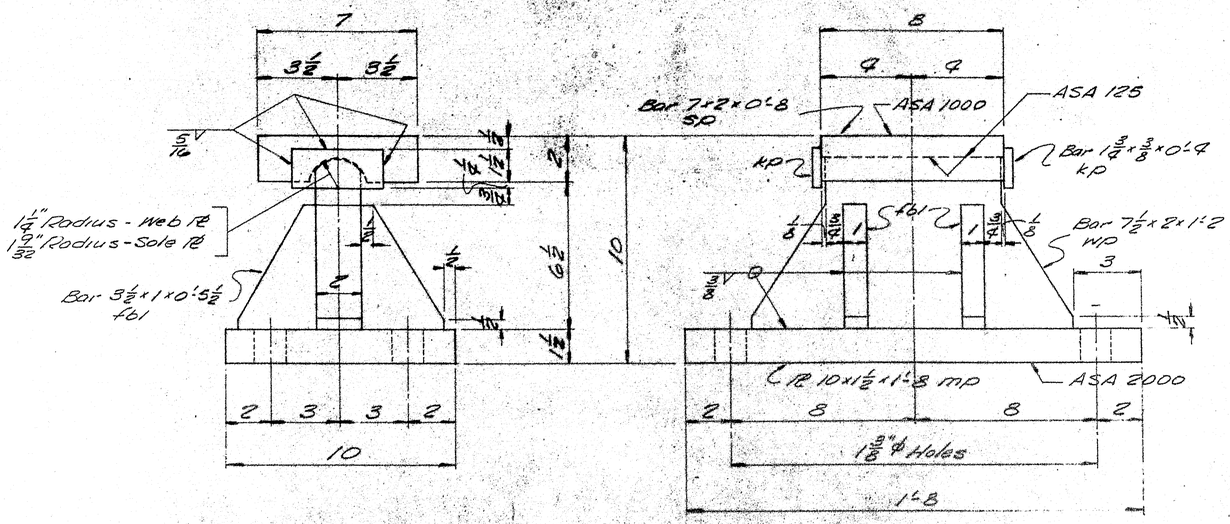
I-95 OVER BENEDICTA ROAD
SHERMAN, MAINE

CUSTOMER CALLAHAN BROS.
DESIGNER M.S.H.C. BRIDGE DIV.
ORDER NO. VERBAL DWG. NO. B66-399-S1

2-S.H.C. 2-23-67
3-Cust. 11-18-66
4-Port. 11-18-66
3-F.A. 11-16-66

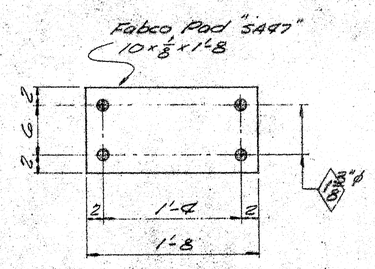
DRAWN	11-16-66	C.J.M.
REVISION		
REVISION		
REVISION		

100-129



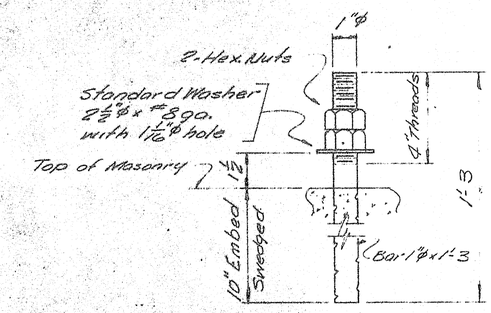
FIXED PEDESTAL FPC-2

12 - REQ'D.



FABCO "SA97" PAD

FP2 12 - REQ'D.



ANCHOR BOLT AB1

48 - REQ'D.

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
FPC2	12		FIXED PEDESTAL ASS'Y.			
	12	mp	PL 10 x 1½	1 8		
	12	WP	Bar 7½ x 2	1 2		
	12	SP	Bar 7 x 7	0 8		
	24	kp	Bar 1¾ x ⅜	0 4		
	48	fbl	Bar 3½ x 1	0 5½		
AB1	48		Bar 1" ϕ	1 3		Swedged
	96	ship	1" Hex. Nut			
field	48		1" Washer			Std. washer 2½" O.D. x ⅛" 890. with 1 1/16" ϕ hole
FP2	12		Pad 10 x ⅛	1 8		Fabco Pad "SA97" Reg. #

Allowance to be made for machining when cutting above plates.

ITEM
PROJECT No. I-95-9(34) 258

Sole plates "SP" to be field welded to Stringers.

Bearing material to be ASTM A36, Anchor bolts to be A7, A36, or A307.
All welds to be made with E70 Electrodes.

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS:
HOLES: As noted
PAINT: Red lead per Maine S.H.C. spec., and as noted.

NORTHBOUND & SOUTHBOUND

BEARING PEDESTAL DETAIL

Bancroft & Martin Inc.
South Portland 7, Maine

I-95 OVER BENEDICTA ROAD
SHERMAN, MAINE

CUSTOMER CALLAHAN BROS.
DESIGNER M.S.H.C. BRIDGE DIV.

ORDER NO. VERBAL DWG. NO. B66-399-S2

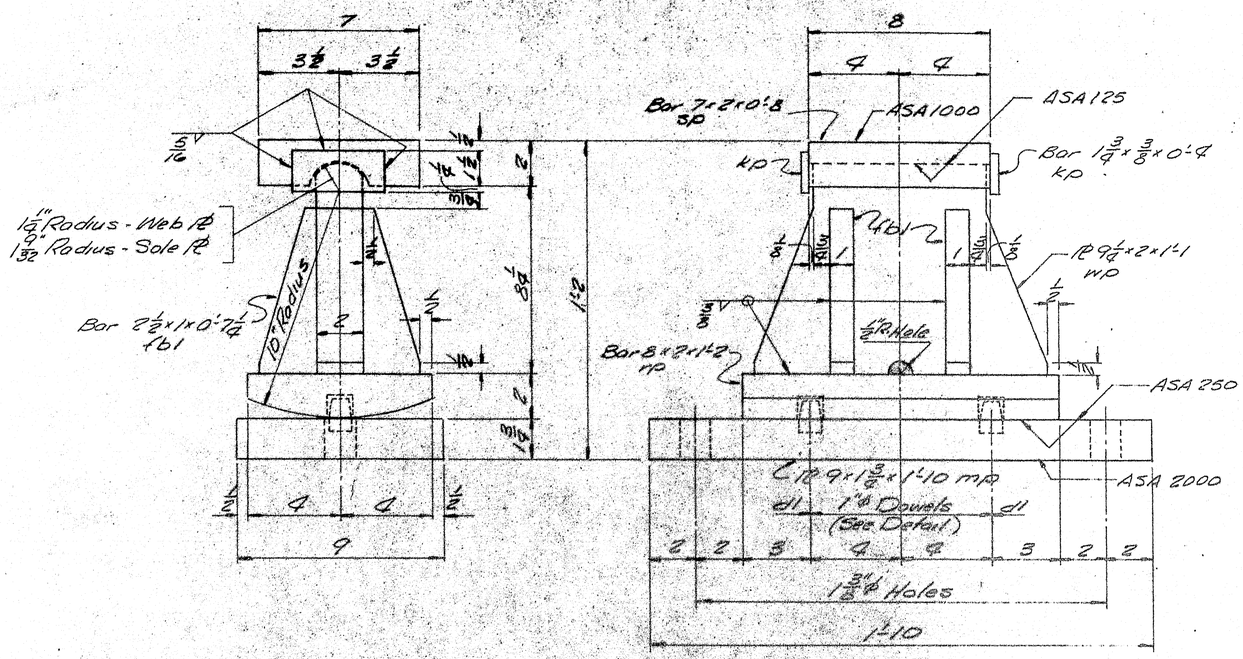
2-S.H.C. 2-23-67
3-CUST. 11-18-66
4-PORT. 11-18-66
3-FA. 11-16-66

DRAWN	11-16-66	C.J.M.
REVISION		
REVISION		
REVISION		

100-130

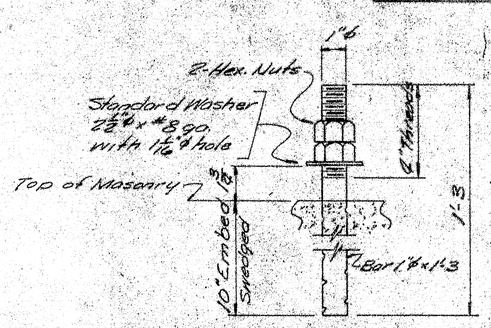
PAINT NOTE:

No paint on top of sole plates "SP" and 1" down from top on sides, coat with boiled linseed oil.
No paint on surface with ASA 125 finish, coat with mixture of white lead and tallow.
No paint on Anchor bolts - Oil threads.



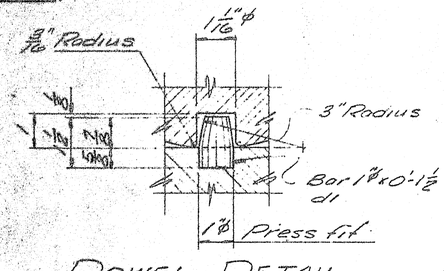
EXPANSION PEDESTAL EPC-4

12 - REQ'D.

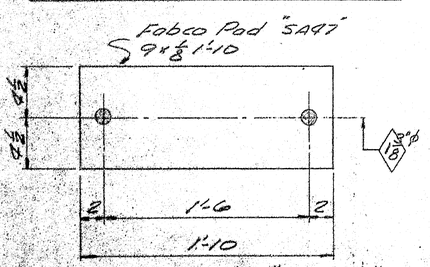


ANCHOR BOLT AB1

24 - REQ'D.



DOWEL DETAIL



FABCO PAD "SA97"

FP3 12- REQ'D.

PAINT NOTE:

No paint on top of sole plates "SP" and 1" down from top on sides, coat with boiled linseed oil.
No paint on surface with ASA 125 finish, coat with mixture of white lead and tallow.
No paint on Anchor Bolts - Oil Nuts.

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
EPC-4	12		EXPANSION PEDESTAL ASS'Y.			
	12	mp	PL 9x1⅜	1 10		
	12	rp	Bar 8x2	1 2		
	12	wp	PL 9¼x2	1 1		
	12	SP	Bar 7x2	0 8		
	48	tb1	Bar 2½x1	0 7¼		
	24	d1	Bar 1"ø	0 1½		
	24	kp	Bar 1¾x⅜	0 4		
AB1	24		Bar 1"ø	1 3		Swedged
	48	shop	1" Hex Nut			
Field	24		1" Washer			Std. washer - 2½" O.D. x 8 ga. with 1⅛" ø hole
FP3	12		Pad 9x⅜	1 10		Fabco Pad "SA97" Req. No.

Allowance to be made for machining when cutting above plates.

ITEM
PROJECT NO. I-95-9(34) 258
Sole plates "SP" to be field welded to stringers.

Bearing material to be ASTM-A36, Anchor bolts to be A7, A36, or A307.
All welds to be made with E70 Electrodes.

SHOP CONNECTIONS: Welded
FIELD CONNECTIONS:
HOLES: As noted
PAINT: Red lead per Maine S.H.C. Spec. and as noted.

NORTHBOUND & SOUTHBOUND
BEARING PEDESTAL DETAIL

Bancroft & Martin Inc.
South Portland, Maine

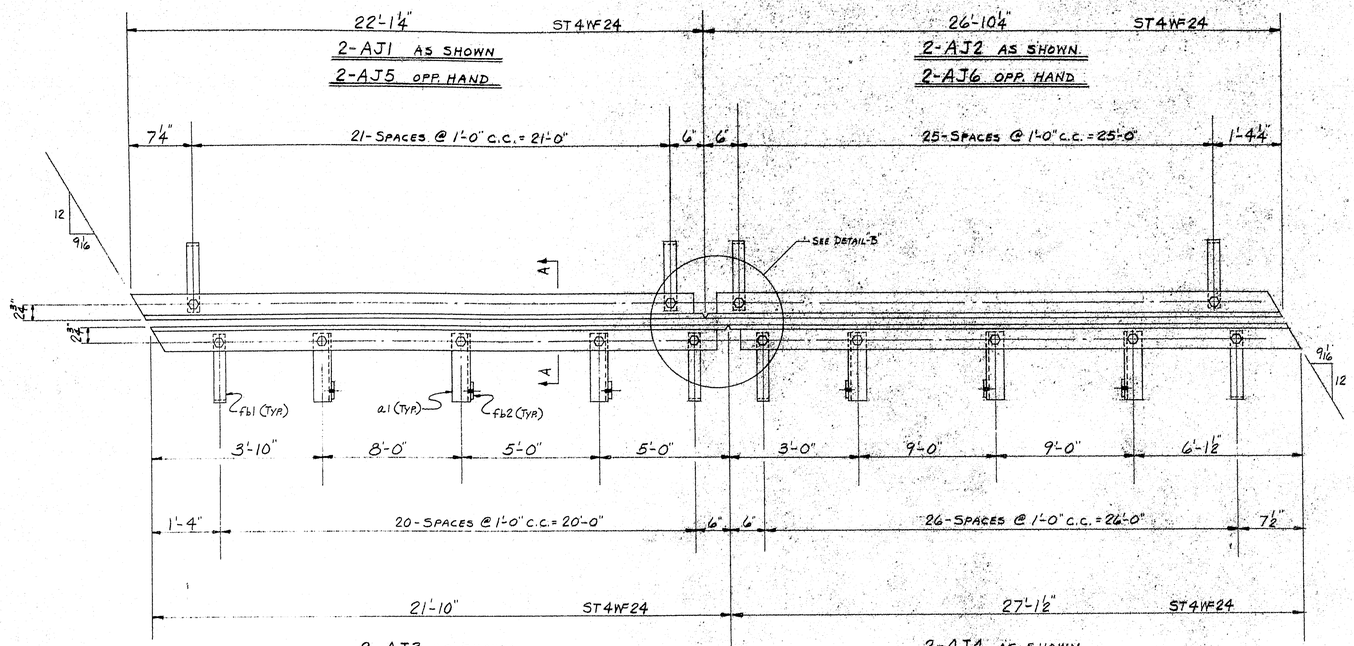
I-95 OVER BENEDICTA ROAD
SHERMAN, MAINE

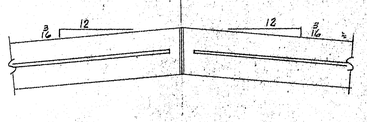
CUSTOMER CALLAHAN BROS.
DESIGNER M.S.H.C. BRIDGE DIV.
ORDER NO. VERBAL
DWG. NO. B46-399-53

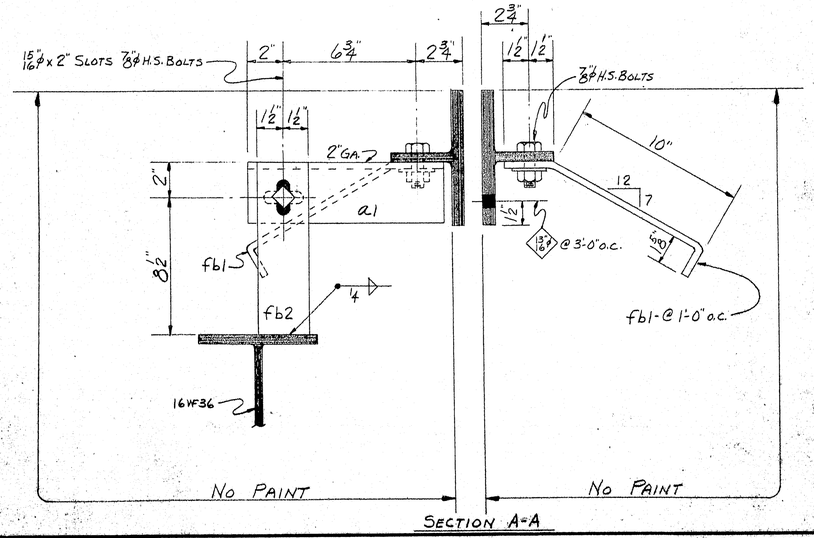
DRAWN	11-16-66	C.J.M.
REVISION		
REVISION		
REVISION		

2-S.H.C. 2-23-67
3-Cust. 11-18-66
4-Pret. 11-18-66
5-F.A. 11-16-66

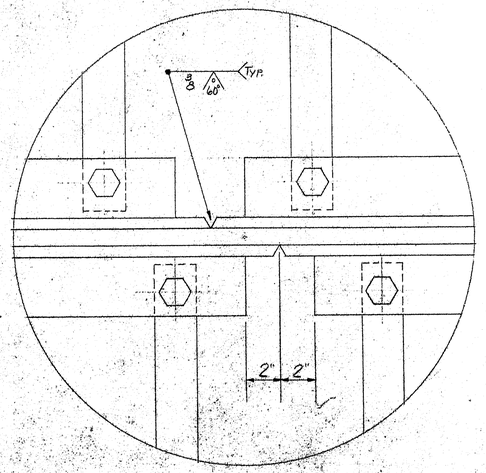
100-131







SECTION A-A



DETAIL-'B'

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
AJ1	2		ST4WF24	22 1/4		A36
AJ2	2			26 10¼		
AJ3	2			21 10		
AJ4	2			27 1½		
AJ5	2			22 1/4		
AJ6	2			26 10¼		
AJ7	2			21 10		
AJ8	2		do	27 1½		do
	24	a1	3½x3½x3/8	0 10¼		12-R 12-L
	384	fb1	F.B. 2½x3/8	1 3		BENT
	24	fb2	F.B. 3x3/8	0 10½		
	432	SHOP	7/8"ϕ H.S. BOLT	0 24		HEAVY NUTS A325
	432	SHOP	7/8"ϕ H.S. WASHERS			

SHOP CONNECTIONS: 7/8"ϕ H.S. BOLTS
FIELD CONNECTIONS:
HOLES: 15/16"ϕ U.N.
PAINT: STATE OF MAINE SPEC'S.

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

NORTHBOUND & SOUTHBOUND ARMORED JOINT

PRINT ISSUE		
2	S.H.C.	2-15-67
3	CUST.	2-15-67
6	SHOP	2-15-67
3	F.A.	1-30-67
DRAWN	1-24-67	C.J.M.
REVISION		
REVISION		
REVISION		

Bancroft & Martin Inc.
Brewer, Maine.

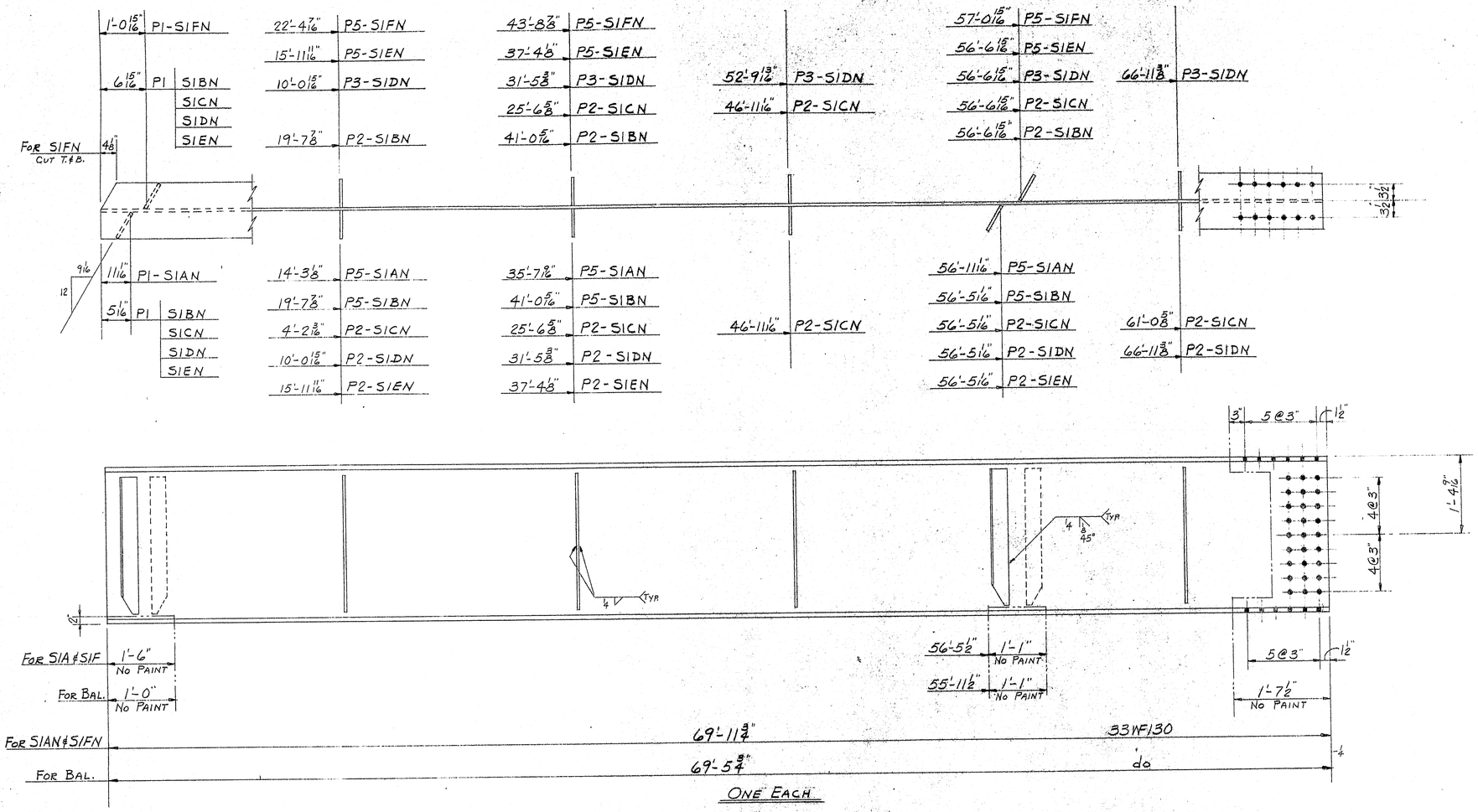
I-95 OVER BENEDICTA ROAD
SHERMAN, MAINE.

CUSTOMER CALLAHAN BROS.
DESIGNER M.S.H.C.

ORDER VERBAL DWG: B66-399-54

100·132

0 1 2 3 4 5 INCHES

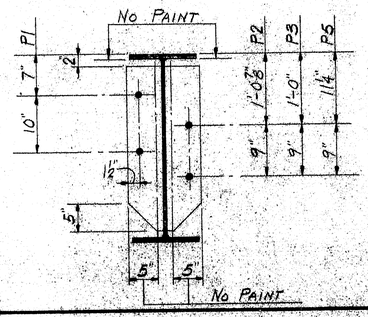


ONE EACH

SIAN-SIBN-SICN-SIDN-SIEN-SIFN

PLACE ANY NATURAL CAMBER UP.

THIS END ABUT. #1



MATCH THIS END WITH STRINGERS MARKED "S2"

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
SIAN	1		33WF130	69 11 3/4		A441
SIBN	1			69 5 3/4		
SICN	1			69 5 3/4		
SIDN	1			69 5 3/4		
SIEN	1			69 5 3/4		
SIFN	1		do	69 11 3/4		do
	10	P1	PL 6 x 3/8	2 5		A36
	18	P2		2 5		
	5	P3		2 5		
	12	P5	do	2 5		do

SHOP CONNECTIONS: WELD E70 LOW-HYDROGEN
FIELD CONNECTIONS: 7/8 ϕ H.S. BOLTS
HOLES: 15/16 ϕ U.N.
PAINT: STATE OF MAINE SPEC'S.

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

NORTHBOUND STRINGERS SPAN #1

PRINT ISSUE		
6	SHOP	2-20-67
2	S.H.C.	2-15-67
3	CUST.	2-15-67
6	SHOP	2-15-67
3	F.A.	1-30-67
DRAWN	1-25-67	C.J.M.
P2 REVISION	2-20-67	C.J.M.
REVISION		
REVISION		

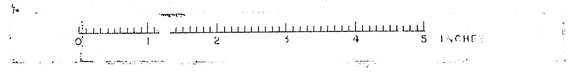
Bancroft & Martin Inc.
Brewer, Maine

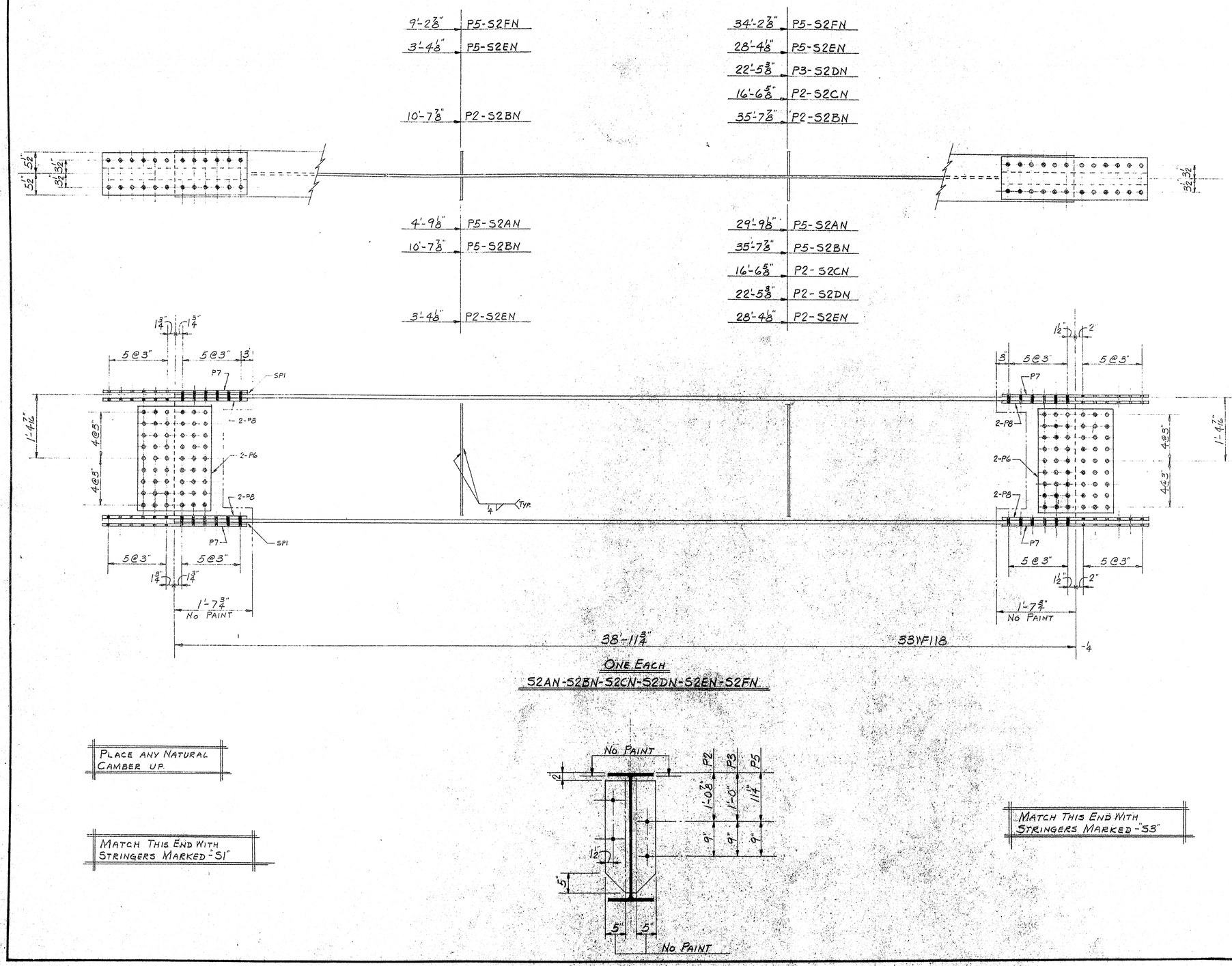
I-95 over BENEDICTA ROAD
SHERMAN, MAINE

CUSTOMER CALLAHAN BROS.
DESIGNER M.S.H.C.

ORDER VERBAL DWG. B66-399-S5

100-133





ONE EACH

52AN-52BN-52CN-52DN-52EN-52FN

PLACE ANY NATURAL CAMBER UP

MATCH THIS END WITH STRINGERS MARKED -"S1"

MATCH THIS END WITH STRINGERS MARKED -"S3"

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
S2AN	1		33WF118	38 11 3/4		A-T-41
S2BN	1			38 11 3/4		
S2CN	1			38 11 3/4		
S2DN	1			38 11 3/4		
S2EN	1			38 11 3/4		
S2FN	1		do	38 11 3/4		do
	7	P2	PL 6 x 3/8	2 5		A36
	1	P3		2 5		
	8	P5	do	2 5		
	24	P6	PL 18 1/2 x 5/8	2 3		
	24	P7	PL 11 x 7/16	3 0 1/2		
	48	P8	PL 4 x 3/4	3 0 1/2		
	12	SP1	PL 11 x 1/8	1 6 4		do
	96	SHOP	7/8" ϕ H.S. BOLT	0 3 1/2		FLANGE BOLTS A325
	24	SHOP	do	0 3 4		WEB BOLTS "
FIELD	495		7/8" H.S. BOLT	0 3 1/2		FLANGE A325
do	636		do	0 3 4		WEB do
do	1250		7/8" ϕ H.S. WASHER			
do	224		7/8" ϕ M. BOLT	0 2		
do	448		7/8" ϕ STD. WASHER			

SHOP CONNECTIONS: WELD E70 LOW-HYDROGEN
FIELD CONNECTIONS: 7/8" ϕ H.S. BOLTS
HOLES: 15/16" ϕ U.N.
PAINT: STATE OF MAINE SPEC'S.

PROJ. No. I-95-9(34) 258 APP. AS NOTED 2-15-67

NORTHBOUND STRINGERS SPAN #2

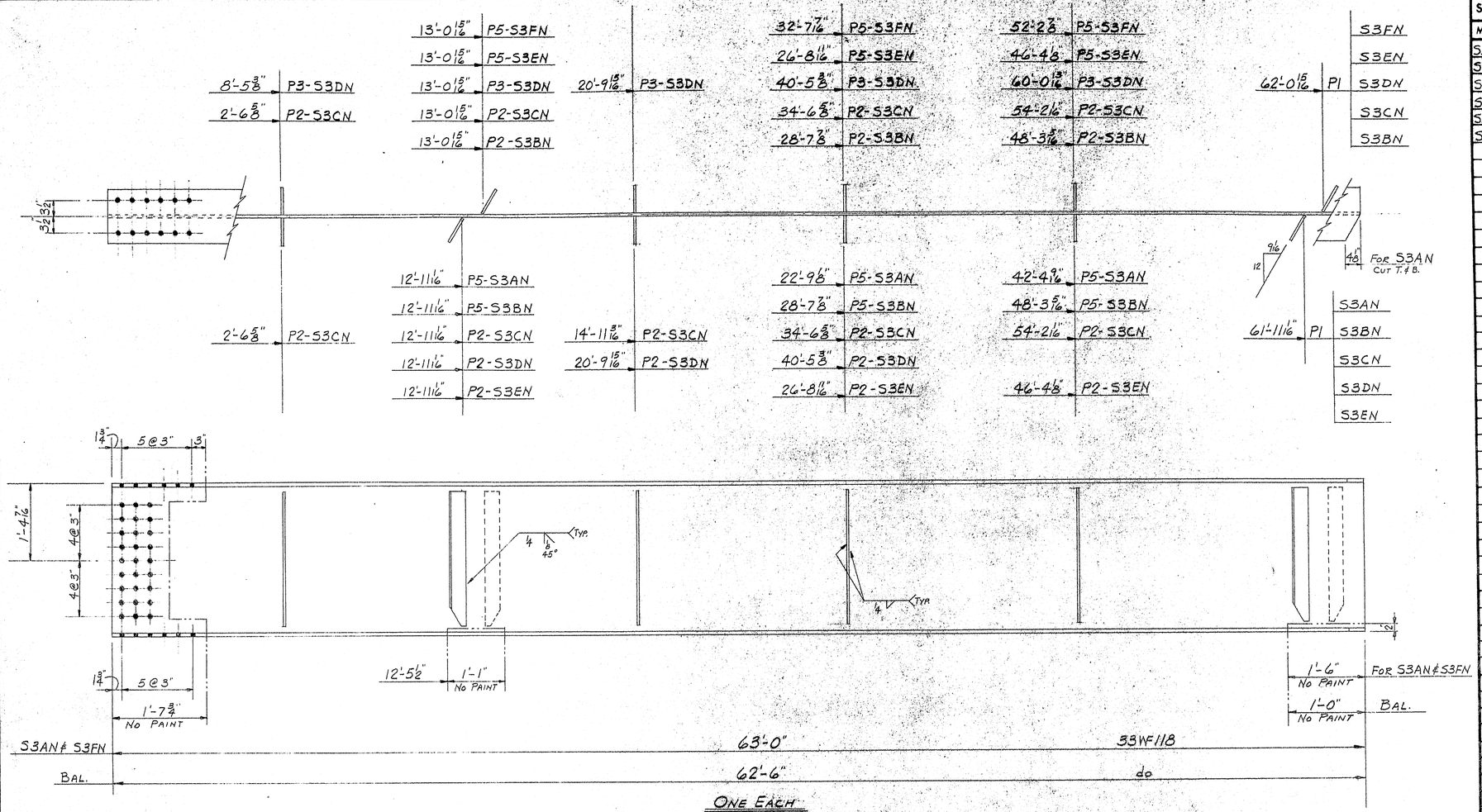
PRINT ISSUE		
2	S.H.C.	2-15-67
3	CUST.	2-15-67
6	SHOP	2-15-67
3	F.A.	1-30-67
DRAWN	1-26-67	C.J.M.
REVISION		
REVISION		
REVISION		

Bancroft & Martin Inc.
Brewer, Maine

I-95 OVER BENEDICTA ROAD
SHERMAN, MAINE

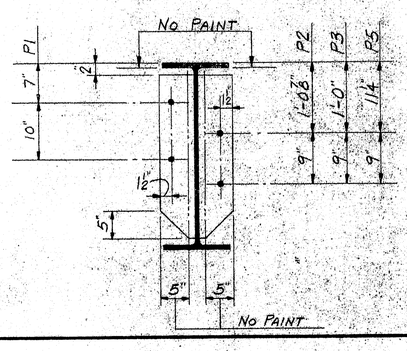
CUSTOMER CALLAHAN BROS.
DESIGNER M.S.H.C.
ORDER VERBAL. DWG. B66-399-S6

100-134



ONE EACH

S3AN-S3BN-S3CN-S3DN-S3EN-S3FN



MATCH THIS END WITH STRINGERS MARKED -"S2"

PLACE ANY NATURAL CAMBER UP.

THIS END ABUT. #2

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
S3AN	1		33WF118	63 0		A441
S3BN	1			62 6		
S3CN	1			62 6		
S3DN	1			62 6		
S3EN	1			62 6		
S3FN	1		do	63 0		do
	10	P1	PL 6 x 3/8	2 5		A36
	18	P2		2 5		
	5	P3		2 5		
	12	P5	do	2 5		do

SHOP CONNECTIONS: WELD E70 LOW-HYDROGEN
FIELD CONNECTIONS: 7/8 ϕ H.S. BOLT
HOLES: 15/16 ϕ U.N.
PAINT: STATE OF MAINE SPEC'S.

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

NORTHBOUND STRINGERS SPAN #3

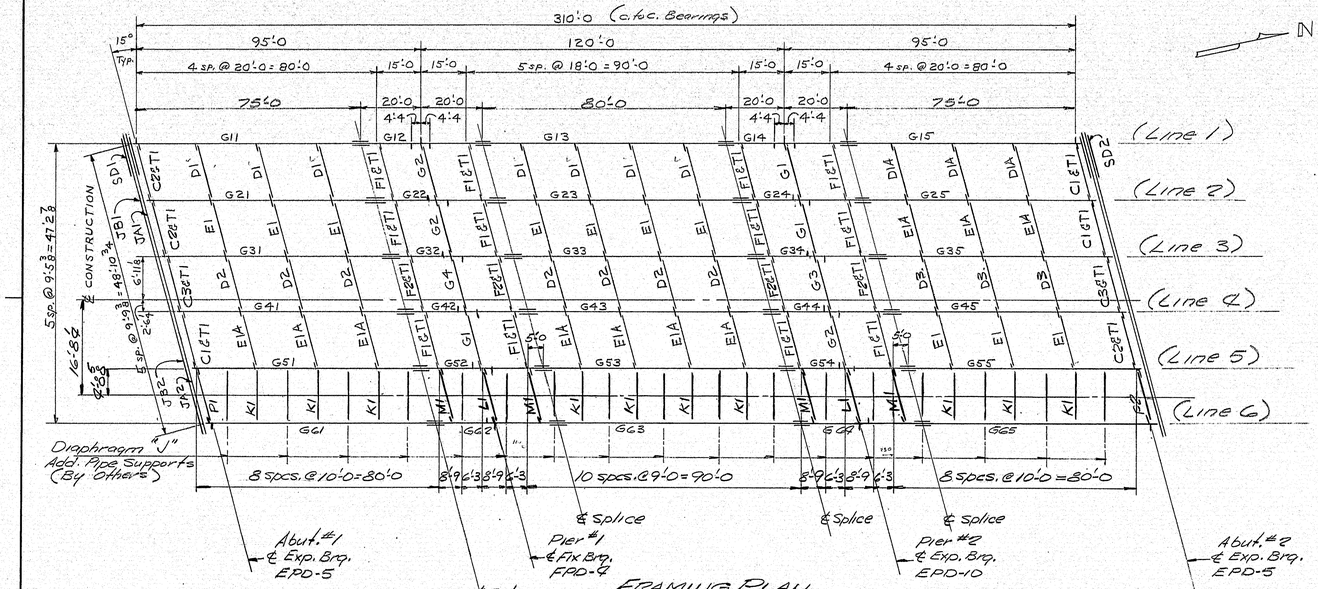
PRINT ISSUE		
2	S.H.C.	2-15-67
3	CUST.	2-15-67
6	SHOP	2-15-67
3	F.A.	1-30-67
DRAWN	1-27-67	C.J.M.
REVISION		
REVISION		
REVISION		

Bancroft & Martin Inc.
Brewer, Maine

I-95 OVER BENEDICTA ROAD
SHERMAN, MAINE

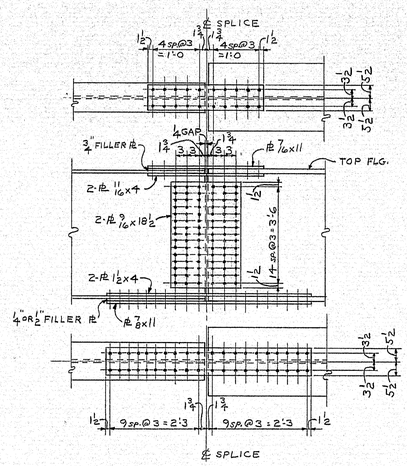
CUSTOMER CALLAHAN BROS.
DESIGNER M.S.H.C.
ORDER VERBAL DWG. B66-399-S7

100-135



FRAMING PLAN

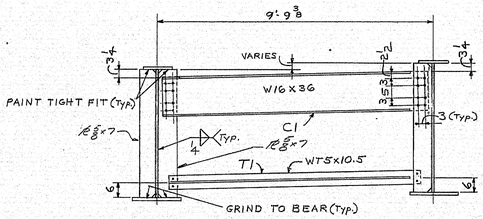
All dimensions are Horizontal



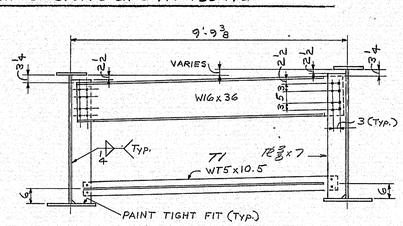
SPLICE DETAIL

[redacted]

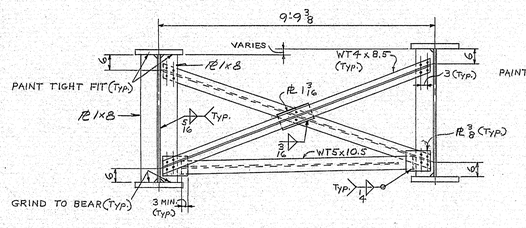
[redacted]



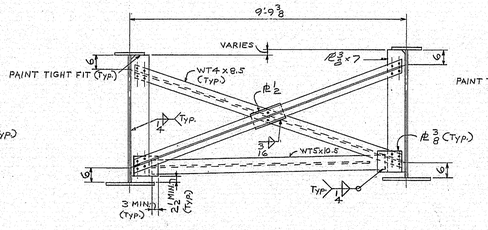
ABUT. DIAPH. TYPE C1 & T1



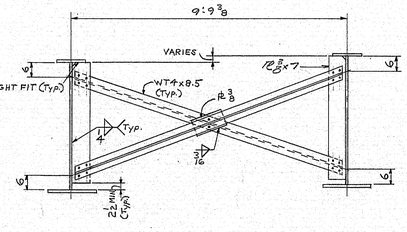
INT. DIAPH TYPE F1 & T1



PIER CROSSFRAME TYPE G



INT. CROSSFRAME TYPE E1



INT. CROSSFRAME TYPE D

Diaphragms between Lines 5 & 6

[redacted]

FIELD CONN.:

7/8" ϕ H.S. Bolt (A325 Type 1) Friction type conn.

App. 8-3-73

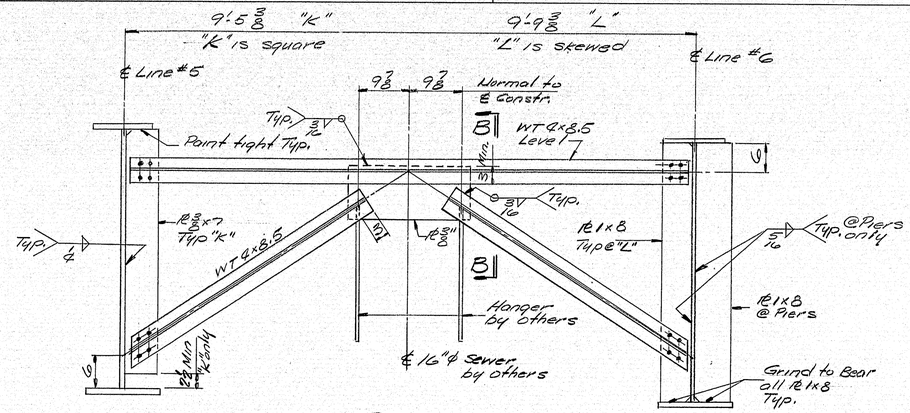
PROJ. NO. 50-1 (G)
ITEM NO. 504.70

FRAMING PLAN

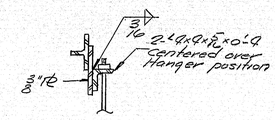
PRINT DIST.			Bancroft & Martin Inc.
3	5-10-73	App.	South Portland, Maine 04106
3	7-20-73	App.	
1 Sep	8-13-73	Brewer	JOB: MEDUXNEKEAG RIVER BRIDGE
2 Sep	8-30-73	State	MONTICELLO, MAINE
2	8-30-73	Cust.	CUSTOMER: CIANBRO CORP.
			DESIGNER: MAINE DEPT. OF TRANSPORTATION

			ORDER NO.	JOB NO.	DRAWING NO.
REV.	7-9-73	H.L.		B73-13,	E-1
CHECKED	5-8-73	H.L.			
DRAWN	3-19-73	G.D.			

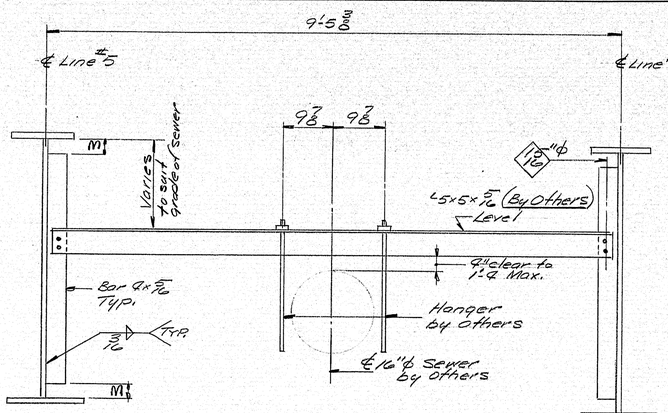
140-86



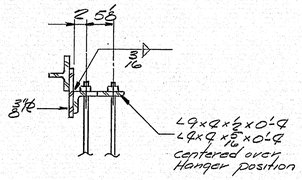
DIAPHRAGM
TYPE "K" & "L"



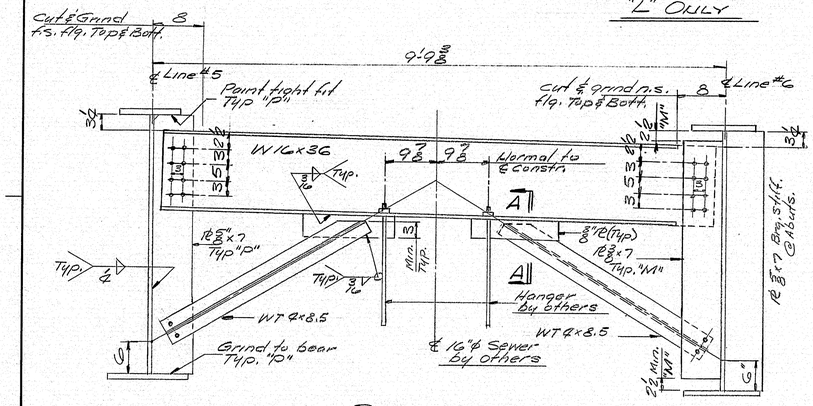
SECTION B-B
"K" ONLY



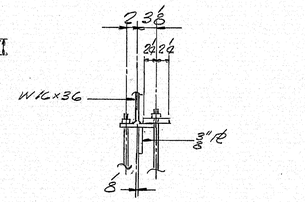
DIAPHRAGM "J"



SECTION B-B
"L" ONLY



DIAPHRAGM
TYPE M & P

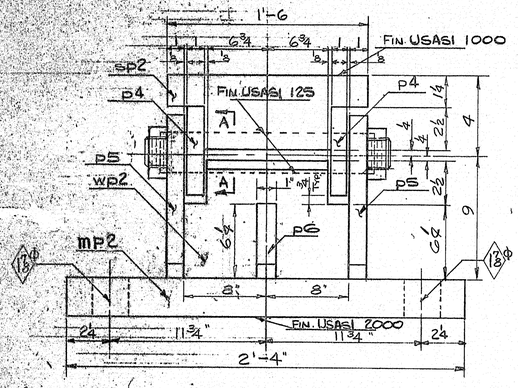


SECTION A-A

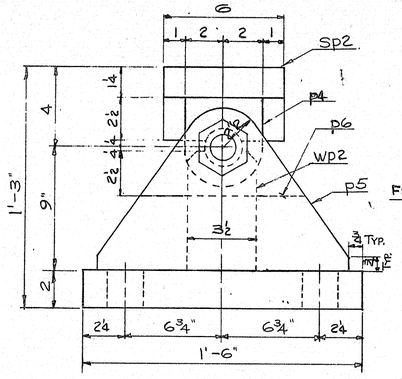
APP. 8-3-73
REVISED DIAPHRAGMS BETWEEN LINE 5 & 6

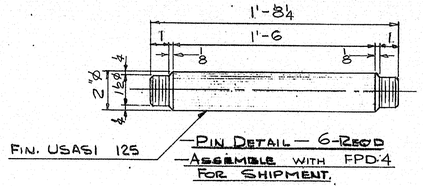
PRINT DIST.			
3	7-24-73	APP.	Bancroft & Martin Inc.
1 Sep	8-13-73	BREWER	South Portland, Maine 04106
25	8-30-73	STATE	
2	8-30-73	DIST.	JOB: MEDUXNEKEAG RIVER BRIDGE MONTICELLO, MAINE
			CUSTOMER: CIANBRO CORP.
			DESIGNER: MAINE DEPT OF TRANS.
REV.			ORDER NO. / JOB NO. / DRAWING NO.
CHECKED			B73-13 / E2
DRAWN	7-9-73	HL.	

140-87

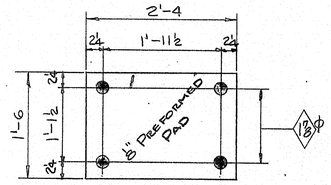


— FIXED PEDESTAL — FPD 4 6-REQ'D.

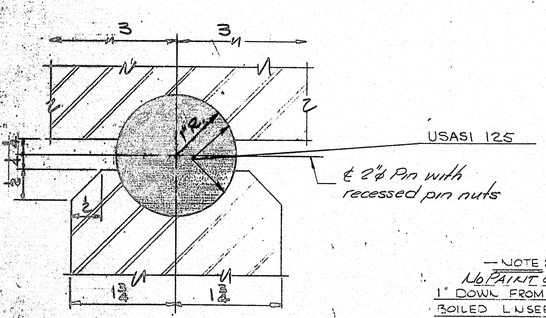




— PIN DETAIL — 6-REQ'D
ASSEMBLE WITH FPD 4 FOR SHIPMENT.



FP2 6-REQ'D.

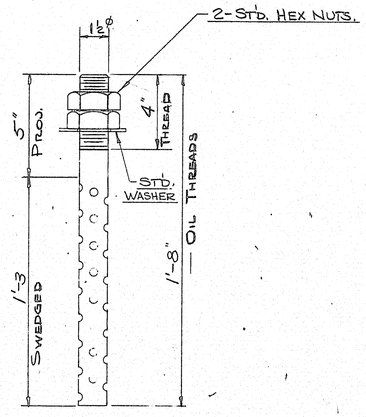


SECTION A-A

— PIN NOTE: —
1. THE DIAMETER OF THE PIN HOLE SHALL NOT EXCEED THAT OF THE PIN BY MORE THAN 1/50 INCH.

— 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.

Masonry plates shall receive two (2) coats of shop paint. No paint on Anchor Bolts.



AB2 24-REQ'D.

SHIP	BILL OF MATERIAL					JOB NO. B-73-13	DWG. NO. 51-1
MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
FPD4	6	—	SHOP ASSEMBLY	—			
	6	mP2	PL 2X18	2	4	10	
	12	P4	BAR 4"X1"	0	4¾	11	
	12	P5	PL 1"X11"	1	4½	15	
	12	P6	BAR 6¼X1"	0	6½	78	
	6	WP2	PL 3½X8¾	1	4	5	
	6	SP2	BAR 6X3¾	1	6	2	
FP2	6		PAD ⅜X18	2	4	—	PREFORMED PAD REG. NO 3968.
	6	SHOP	2"ϕ ROD	1	8¼	23	RECESSED PIN
	12	Dn	1½ϕ NUTS			24	RECESSED PIN NUT
AB2	24		1½ϕ ROD	1	8	18	SWEDGED
	48	SHOP	1½ϕ HEX NUTS			—	STD. NUTS
FIELD	24		1½ϕ STD WASHER			—	

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

STEEL: ASTM. A-36
WELDING ELECTRODE: SEE WELDING PROCEDURES.
SHOP CONN: WELDED — ½" FILLET WELDS.
FIELD CONN: WELDED.
HOLES: AS NOTED.
PAINT: Red lead Per State of Maine specs, as noted.
SPECIAL CLEANING: BLAST CLEAN.
APPROVED: 5-29-73

— PEDESTAL DETAILS — PIER #1

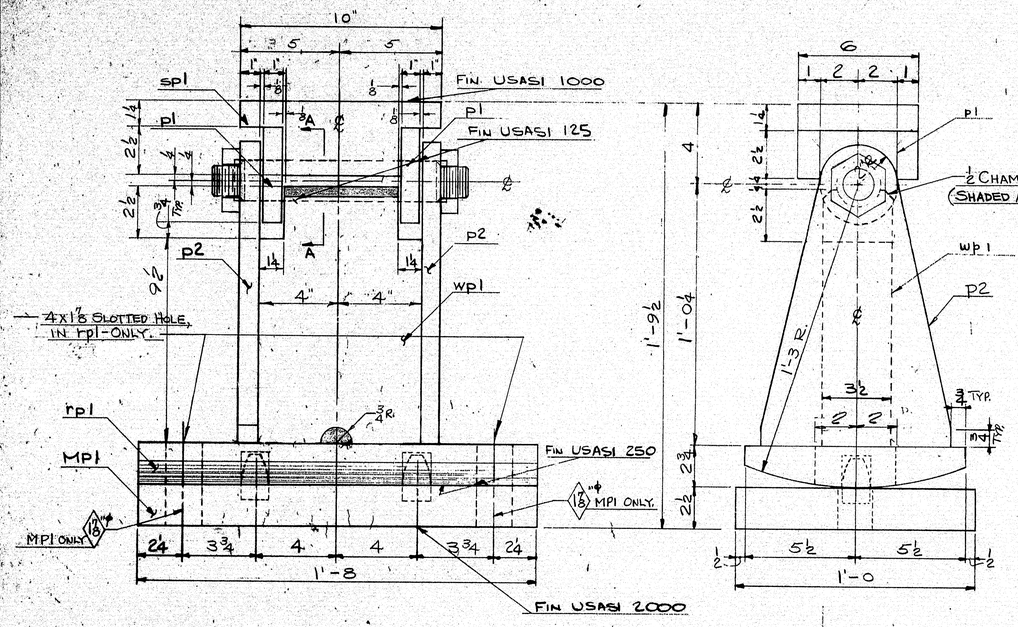
REV.	PRINT DIST.		
2P	9-25-73	APP.	
CP	5-29-73	APP.	
4	5-29-73	SHOP	
4	6-[illegible]-73	SHOP	
2	8-30-73	CUST	

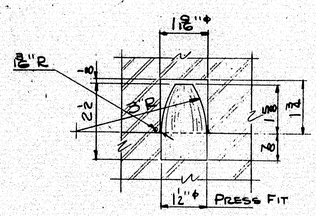
Bancroft & Martin Inc.
South Portland, Maine 04106
JOB: MEDUXNEKEAG RIVER BRIDGE
MONTICELLO, MAINE
CUSTOMER: CIANBRO CORP
DESIGNER: MAINE DEPT. OF TRANSPORTATION

REV.			ORDER NO.	JOB NO.	DRAWING NO.
CHECKED	9-25-73	A.C.		B 73-13	51-1
DRAWN	3-28-73	B.H.D.			

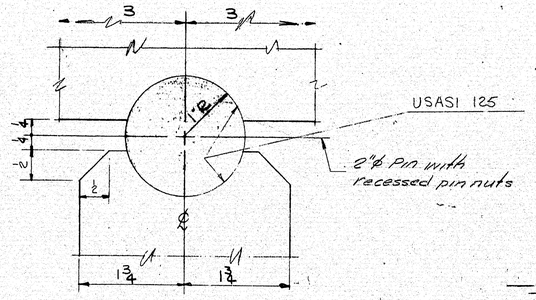
140-88

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX





PINTLE DETAIL



SECTION A-A

Pin Note:
The diameter of the pin hole shall not exceed that of the pin by more than 1/30 inch.

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 U.S.A.S.I 125 finish, coat with mixture of white lead and tallow.

1. Rocker Plates USASI 250 finish and Masonry P's shall receive 2 coats of shop paint No Paint on Anchor Bolts.

SHIP	BILL OF MATERIAL					JOB NO. B73-13	DWG. NO. 57-2	
MARK	NO.	MARK	SHAPE	LENGTH		WT.	ITEM NO.	REMARKS
EPDS	12		— SHOP ASSEMBLY —					
MP1	12		PL 2½ x 12	1	8		9	
	24	p1	BAR 4 x 1	0	4¾		11	
	24	p2	PL. 1" x 9½	1	2¼		12	
	12	rp1	PL 2¾ x 11	1	8		8	
	12	sp1	BAR 6 x 3¾	0	10		1	
	12	wp1	BAR 8 x 3½	1'	0		3	
FP1	12		PAD ⅛ x 12	1	8		—	PREFORMED PAD REQ. NO 3968
	12	SHOP	2"ϕ ROD	1	0¼		22	RECESSED PIN
	24	Do	1½"ϕ NUTS				24	RECESSED PIN NUT
	24	PINTLE	1½"ϕ ROD	0	2½		21	
AB1	24		1½"ϕ ROD	2	0¾		16	SWEDGED
PW1	24		BAR 4 x ¼	0	7		19	PLATE WASHER
	48	SHOP	1½"ϕ HEX. NUTS				—	STD. NUTS.

PROJECT No. 50-L(6)
ITEM NO. 504.70

STEEL: ASTM. A-36
WELDING ELECTRODE SEE WELDING PROCEDURES
SHOP CONN: WELDED — 2-CONT. FILLETS
FIELD CONN: WELDED
HOLES: AS NOTED
PAINT: Red lead per State of Maine specs, 2% nonfat.
SPECIAL CLEANING: BLAST CLEAN
APPROVED: 5-29-73

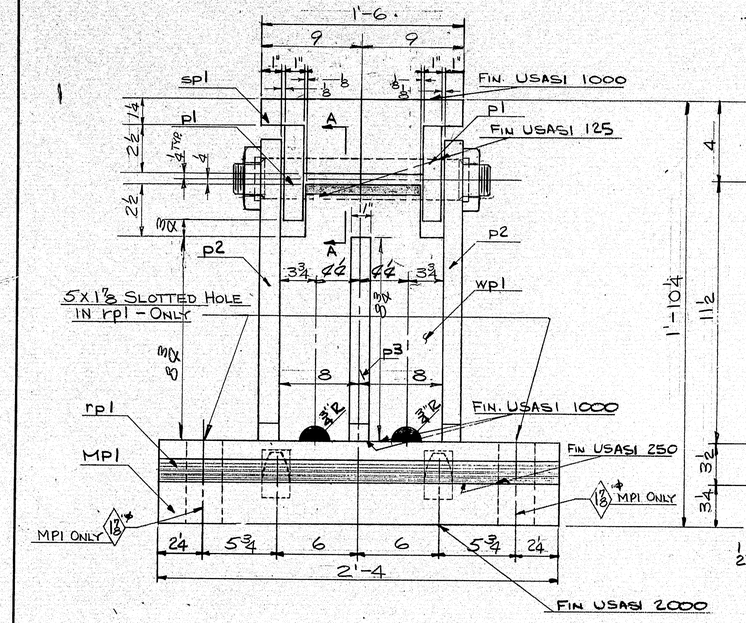
PEDESTAL DETAILS—ABUT. 1&2

	PRINT DIST.		
2P	9-25-73	APP.	
3P	5-29-73	APP.	
4	5-29-73	SHOP	
4	6-11-73	SHOP	
2	8-30-73	CUST.	
REV. 1	6-8-73	JPE	
CHECKED	2-28-73	H.L.	
DRAWN	3-28-73	B.H.P.	

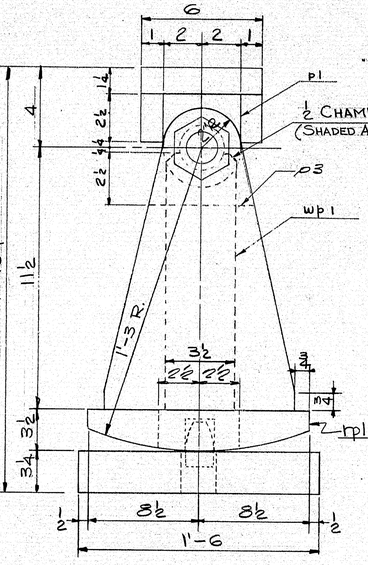
Bancroft & Martin Inc.
South Portland, Maine 04106
JOB: MEDUXNEKEAG-RIVER BRIDGE
MONTICELLO, MAINE.
CUSTOMER: CIANBRO CORP.
DESIGNER: MAINE DEPT. OF TRANSPORTATION.

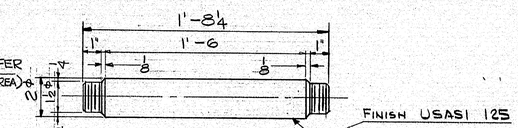
ORDER NO.	JOB NO.	DRAWING NO.
	B 73-13	57-2

140-89

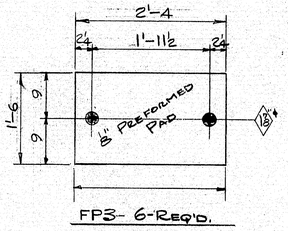


EXPANSION PEDESTAL — EPD-10 6-REQ'D.

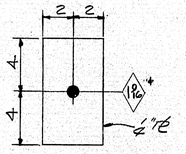




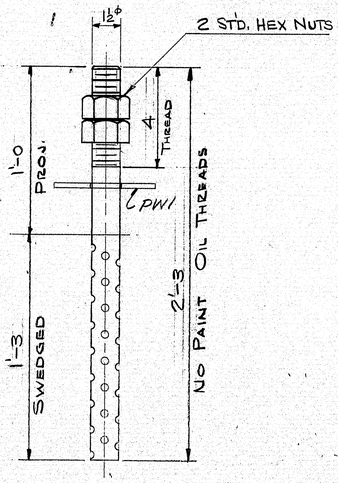
PIN DETAIL — 6-REQ'D
ASSEMBLE WITH EPD-10 FOR SHIPMENT.



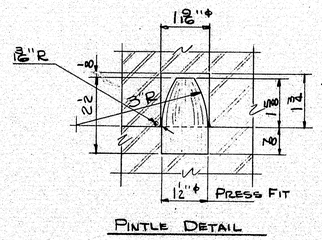
FP3 - 6-REQ'D.



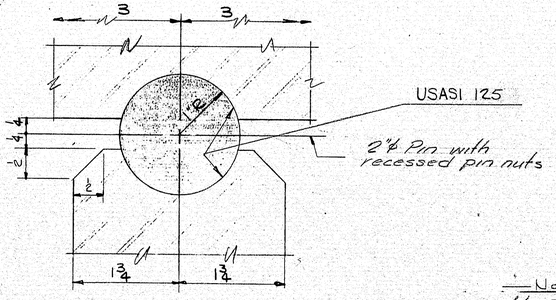
PL WASHER DETAIL
PW1 - 12-REQ'D



AB1 — 12-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 1/50 inch.

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 U.S.A.S.I. 125 finish, coat with mixture of white lead and tallow.
1 Rocker Plates - USASI 250 finish and Masonry Pls. shall receive 2 coats of paint
No Paint on Anchor Bolts.

SHIP	BILL OF MATERIAL	JOB NO. B73-13	DWG. NO. S1-3

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.		REMARKS
EPD10	6		SHOP ASSEMBLY					
MP1	6		PL 3¼ X 18	2 4		7		
	12	p1	BAR 4 X 1	0 4¾		11		
	12	p2	PL 1" X 13½	1' 3½		13		
	12	p3	BAR 6 X 1	0 8¾		14		
	6	rp1	PL 3½ X 17	2 4		6		
	6	sp1	BAR 6 X 3¾	1' 6		2		
	6	wp1	PL 3½ X 11¼	1' 4		4		
FP3	6		PAD ⅜ X 18	2 4		—		PREFORMED PAD
								REQ. Nº 3968
	6	SHOP	2ϕ ROD	1' 8¼		23		RECESSED PIN
	12	Do	1½ϕ NUTS	—		24		RECESSED PIN NUT
	12	PINTLE	1½ϕ ROD	0 2½		21		
AB1	12		1½ϕ ROD	2 3		17		SWEDGED
PW1	12		BAR 4 X ¼	0 8		20		PLATE WASHER
	24	SHOP	1½ϕ HEX. NUTS			—		STD. NUTS

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

STEEL: ASTM. A-36
WELDING ELECTRODE SEE WELDING PROCEDURES
SHOP CONN: WELDED - 2 CONT. FILLETS
FIELD CONN: WELDED
HOLES: AS NOTED
PAINT: Red lead per State of Maine Spec. 7.15.20.1.6.2
SPECIAL CLEANING: BLAST CLEAN.
APPROVED: 5-29-73

PEDESTAL DETAILS PIER #2

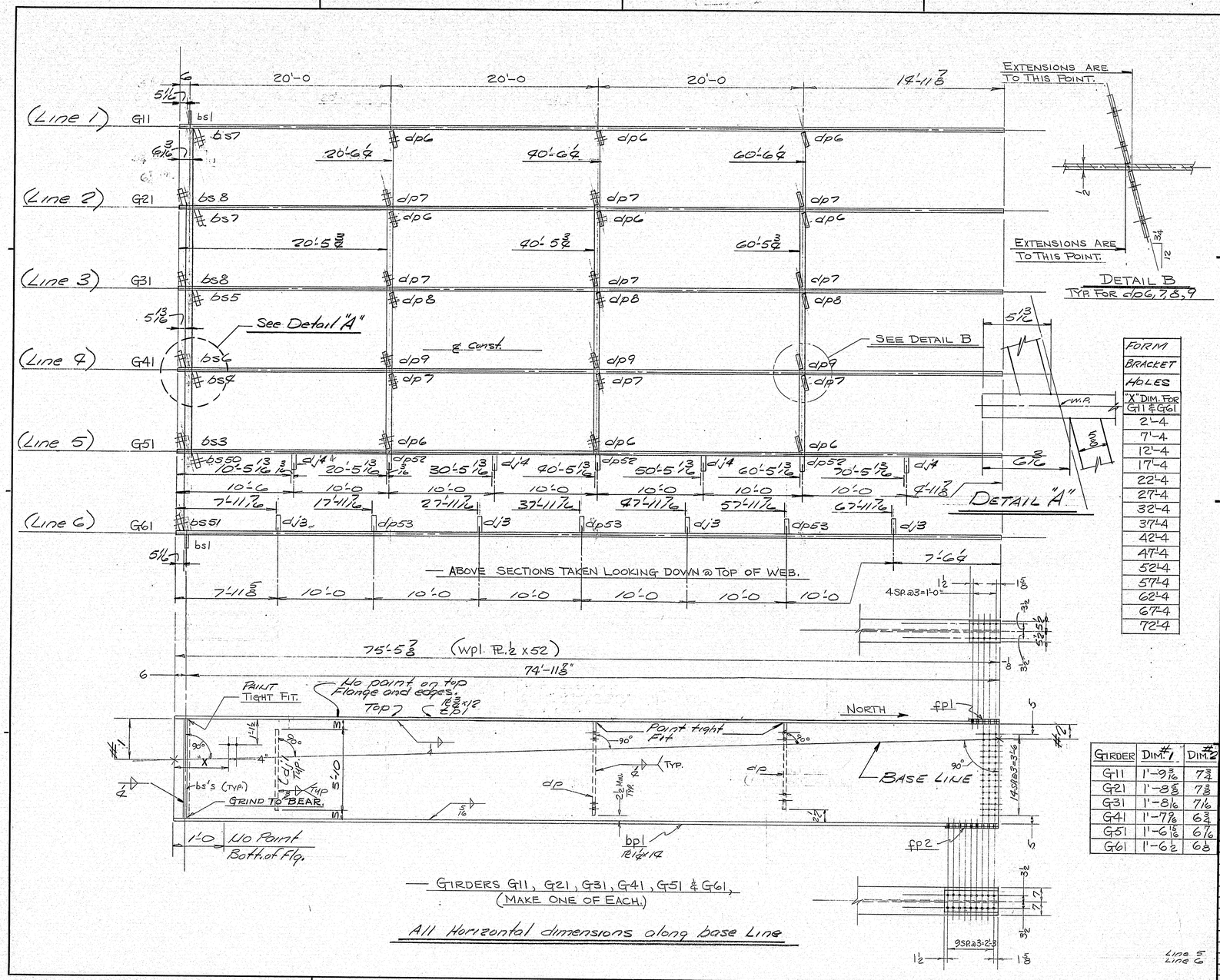
PRINT DIST.		
2 P	4-25-73	App.
3 P	5-29-73	Rev.
2	5-24-73	shop
4	6-11-73	SHOP
2	8-30-73	Cust.

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	6-8-73	JPF			
CHECKED	4-24-73	H.L.		B73-13	S1-3
DRAWN	3-28-73	ETM/BJ.			

140-90

EPD



FORM BRACKET HOLES	"X" DIM. FOR G11 & G61
	2'-4
	7'-4
	12'-4
	17'-4
	22'-4
	27'-4
	32'-4
	37'-4
	42'-4
	47'-4
	52'-4
	57'-4
	62'-4
	67'-4
	72'-4

GIRDER	DIM. #1	DIM. #2
G11	1'-9 3/16	7 3/4
G21	1'-8 5/8	7 7/8
G31	1'-8 1/16	7 1/16
G41	1'-7 7/16	6 5/8
G51	1'-6 13/16	6 1/16
G61	1'-6 1/2	6 8

SHIP	BILL OF MATERIAL	JOB NO. B-73-13	DWG. NO. 52-1

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
G11	1		GIRDER	75 5 7/8	—		
G21	1		-DO-	75 5 7/8	—		
G31	1		-DO-	75 5 7/8	—		
G41	1		-DO-	75 5 7/8	—		
G51	1		-DO-	75 5 7/8	—		
G61	1		-DO-	75 5 7/8	—		
	6	wpl	PL. 1/2 x 52	75 5 7/8		25	
	6	tpl	PL. 3/4 x 12	75 5 7/8		28	
	6	bpl	PL. 1 1/4 x 14	75 5 7/8		30	
	6	fp1	PL. 3/4 x 11	1' 3 5/8		40	
	6	fp2	PL. 4 x 11	2 6 3/8		41	
	2	bs1	BAR 7x5/8	4 4		33	
	1	bs3	do	4 4			
	1	bs4	do	4 4			
	1	bs5	do	4 4			
	1	bs6	do	4 4			
	2	bs7	do	4 4			
	2	bs8	do	4 4		33	
	1	bs50	Bar 7x 5/8	8 8			
	1	bs51	DO	8 8			
	9	dp6	Bar 7x 5/8	8 1/2		32	
	9	dp7	DO	8 1/2		32	
	3	dp8	DO	8 1/2		32	
	3	dp9	DO	8 1/2		32	
	4	dj3	Bar 4x 5/16	3	10		
	3	dp52	Bar 7x 5/8	8 1/2			
	3	dp53	DO	8 1/2			
	4	dj4	Bar 4x 5/16	3	10		
Field	240		3/4 Carriage & Bolts	0 1/2			To plug Form Bracket Holes

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 connections.

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

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 Noted
SPECIAL CLEANING: BLAST CLEAN.
APPROVED: 8-3-73

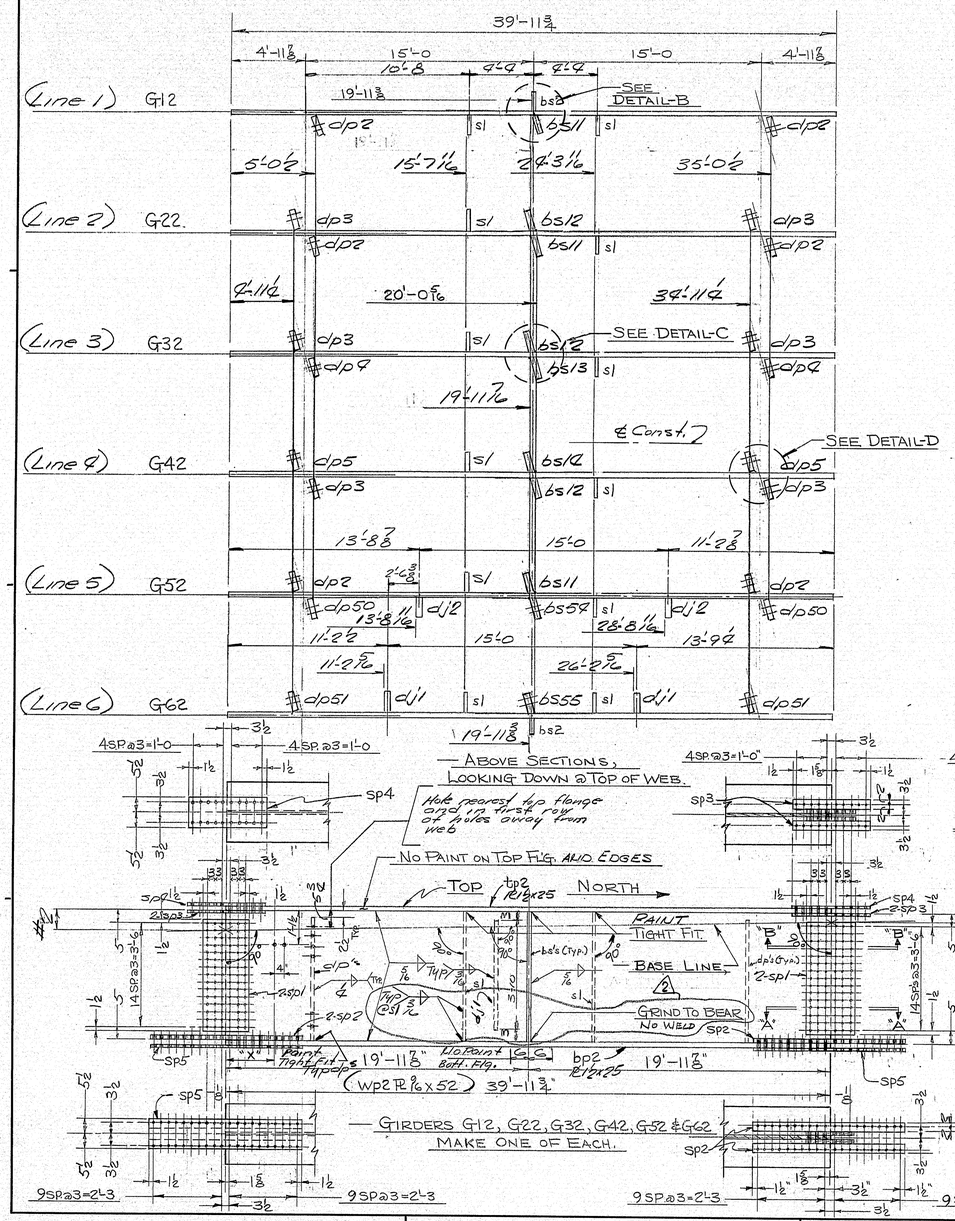
GIRDERS G11 THRU G61

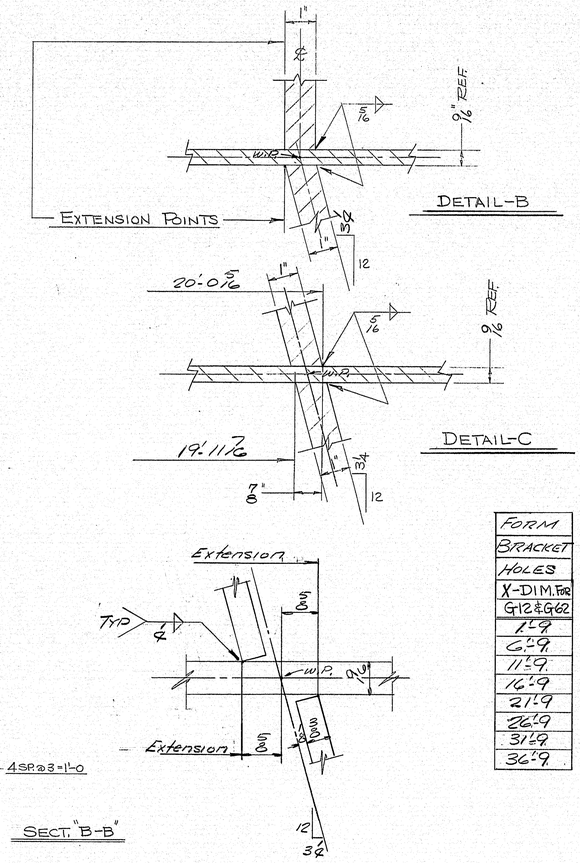
PRINT DIST.		
3	5-10-73	Mat. Dep.
3	7-20-73	Appl.
15	8-15-73	Brewer
75	8-30-73	State
2	8-30-73	Cust.

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.	ORDER NO.	JOB NO.	DRAWING NO.
CHECKED	5-8-73	H.L.		B73-13	52-1
DRAWN	5-27-73	EH/Q			

140-91





Form Bracket Holes X-Dim. For G12 & G62
1'-9
6'-9
11'-9
16'-9
21'-9
26'-9
31'-9
36'-9

Girder	Dim. #2	Dim. #7
G12	7¾	3 9/16
G22	7⅞	3 5/16
G32	7 1/16	3⅛
G42	6¾	2 7/8
G52	6 9/16	2 5/8
G62	6⅜	2⅜

SHIP — **BILL OF MATERIAL** — JOB NO. B-73-13 — DWG. NO. 52-2

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
G12	1		GIRDER	39 11¾	—		
G22	1		-DO-	39 11¾	—		
G32	1		-DO-	39 11¾	—		
G42	1		-DO-	39 11¾	—		
G52	1		-DO-	39 11¾	—		
G62	1		-DO-	39 11¾	—		
	6	WP2	PL 9/16 X 52	39 11¾		27	
	6	tp2	PL ½ X 25	39 11¾		32	
	6	bp2	PL ½ X 25	39 11¾		32	
	2	dj1	Bar 4 x ⅜	3 10			
	2	dj2	Do	3 10			
	24	SP1	PL 9/16 X 18½	3 9		38	
	24	SP2	BAR 4 X 1½	5 0½		74	
	24	SP3	BAR 4 X 1/16	2 6½		43	
	12	SP4	PL 9/16 X 11	2 6½		39	
	12	SP5	PL ⅜ X 11	5 0½		37	
	12	S1	Bar GR 33	9 9			
	2	dpS0	Bar 7 x ⅜	3 11			
	2	dpS1	Bar 7 x ⅜	3 11			
	6	dp2	BAR 7 x ⅜	4 1½		34	
	6	dp3	do	4 1½		34	
	2	dp4	do	4 1½		34	
	2	dp5	BAR 7 x ⅜	4 1½		34	
	2	bs2	Bar 8 x 1	9 9			
	3	bs11	Bar 8 x 1	9 9			
	3	bs12	Do	9 9			
	1	bs13	Do	9 9			
	1	bs14	Do	9 9			
	1	bs55	Bar 8 x 1	9 9			
Field	2200		¾ Ø A325 Bolt	0 3			A325 Type 1 Slice web
Do	490		Do	0 9			Do Flg. Butt Flg.
Do	980		Do	0 5½			Do
	3670		¾" 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 ½" of such open holes.

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

STEEL: ASTM. — A 36
WELDING ELECTRODE — SEE WELD PROCEDURE.
SHOP CONN. — WELDED.
FIELD CONN. — BOLTED ⅞ Ø H.S. A 325 TYPE 1.
HOLES: — 15/16 Ø
PAINT: — RED LEAD PER MAINE SPEC'S, As Noted
SPECIAL CLEANING: BLAST CLEAN.
APPROVED: 8-3-73

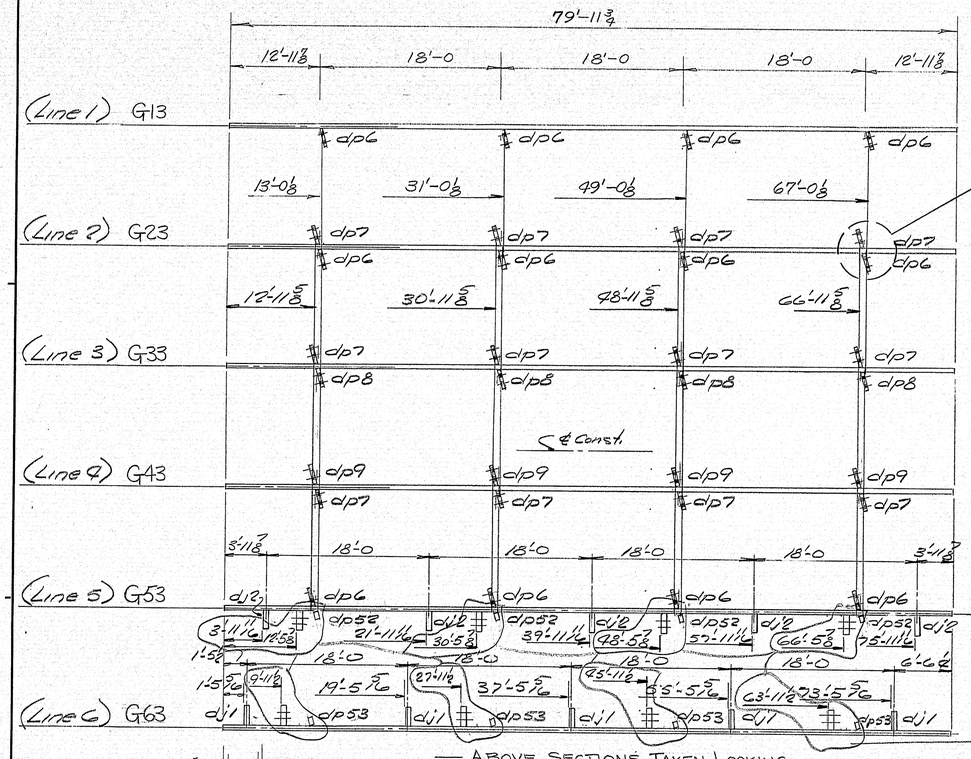
— GIRDERS G12 THRU G62

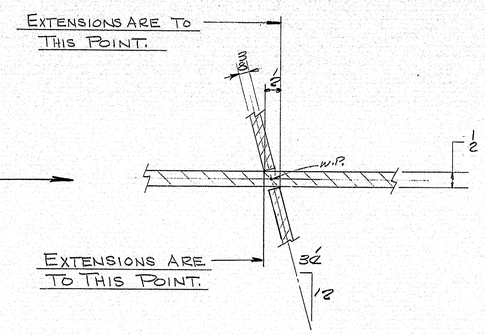
PRINT DIST.		
3	5-10-73	FHWA
3	7-26-73	FHWA
1 SEP	8-15-73	BRENG
1 SEP	8-28-73	BRENG
1 SEP	8-28-73	STATE
2S	8-30-73	STATE
2	8-30-73	CUST.
REV 3	8-28-73	H.L.
REV. 2	7-20-73	H.L.
CHECKED	5-8-73	H.L.
DRAWN	3-27-73	FWQ

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	52-2

140-92





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 9/16	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 of Girder

SHIP — **BILL OF MATERIAL** — JOB NO. B73-13 — DWG. NO. 52-3

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
G13	1		GIRDER	79	11 3/4	—	
G23	1		-DO-	79	11 3/4	—	
G33	1		-DO-	79	11 3/4	—	
G43	1		-DO-	79	11 3/4	—	
G53	1		-DO-	79	11 3/4	—	
G63	1		-DO-	79	11 3/4	—	
	6	wp3	PL 1/2 x 52	79	11 3/4	26	
	6	bp3	PL 3/4 x 12	79	11 3/4	29	
	6	bp3	PL 1" x 15	79	11 3/4	31	
	12	fp3	PL 3/4 x 11	1	3 1/8	40	
	12	fp4	PL 1/2 x 11	2	6 1/8	41	
	12	dp6	Bar 7 x 3/8	℄	1/2	38	
	12	dp7	Do	℄	1/2	38	
	℄	dp8	Do	℄	1/2	38	
	℄	dp9	Do	℄	1/2	38	
	5	dj1	Bar ℄ x 5/8	3	10		
	5	dj2	Do	3	10		
	℄	dp52	Bar 7 x 3/8	℄	1/2		
	℄	dp53	Do	℄	1/2		

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~~

ITEM No. 504.70
PROJECT No — 50-1(6)

STEEL: ASTM. — A 36
WELDING ELECTRODE — SEE WELD PROCEDURE.
SHOP CONN: — WELDED.
FIELD CONN: — BOLTED 7/8ϕ H.S. A325 TYPE 1
HOLES: — 15/16ϕ
PAINT: — RED LEAD PER MAINE SPEC'S 455.06(c)
SPECIAL CLEANING: — BLAST CLEAN.
APPROVED: 8-3-73

— GIRDERS G13 THRU G63

PRINT DIST.		
3	5-10-73	for APP.
3	7-26-73	APP'D
1 Sep	8-15-73	BREWER
25	8-30-73	STATE
2	8-30-73	CUST.
1 Sepia	11-1-73	BREWER
2-P	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.L.	
REV. 1	7-20-73	H.L.	
CHECKED	5-8-73	H.L.	
DRAWN	3-27-73	ENG	

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

140-93