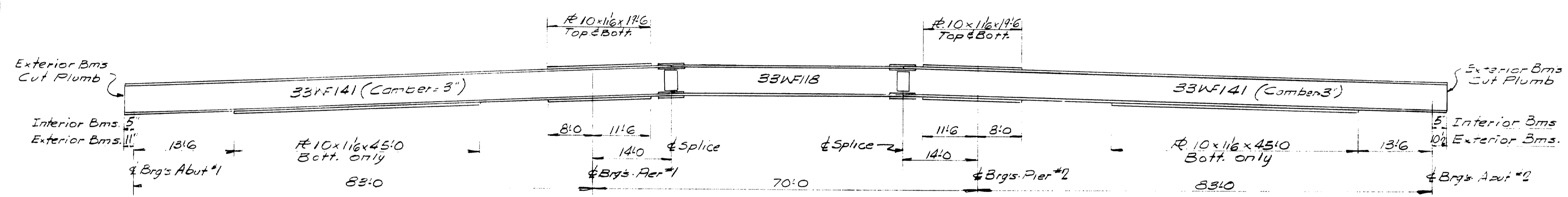
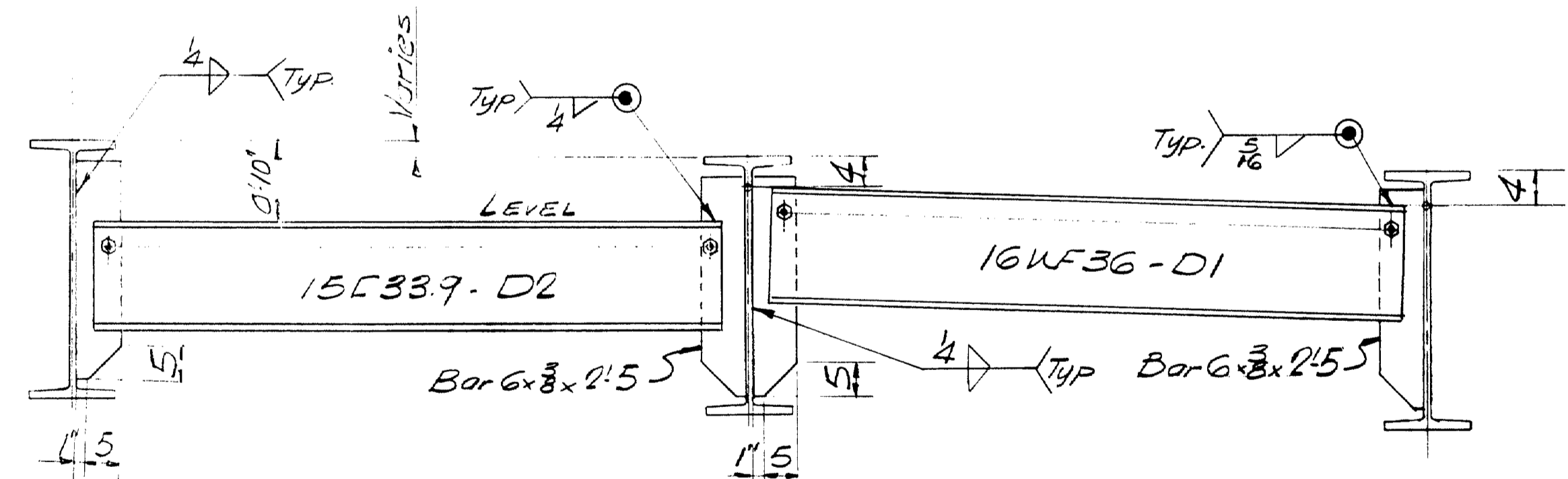


ERECTOR PLAN
Dimensions Horizontal



ELEVATION
Dimensions Horizontal

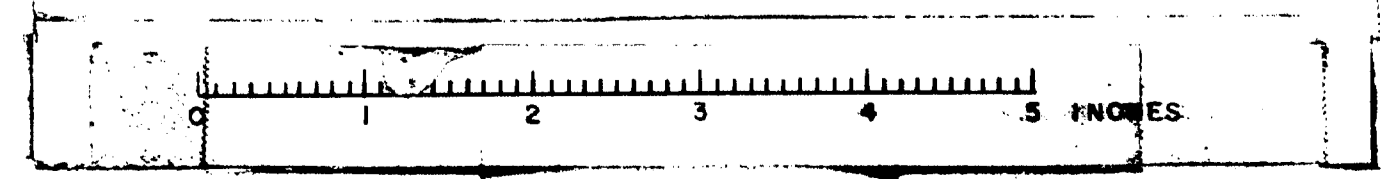


- GENERAL NOTES
- 1) All material shall conform to A.S.T.M. Desig. A36
 - 2) Holes in field splices of continuous beams are to be sub-punched (or sub-drilled) and reamed while assembled in the shop and connecting parts to be match marked and bolted for shipment.
 - 3) Bearings to be field welded to stringers.

DRAWN	10-1664 J.P.P.
REVISION	
REVISION	
REVISION	

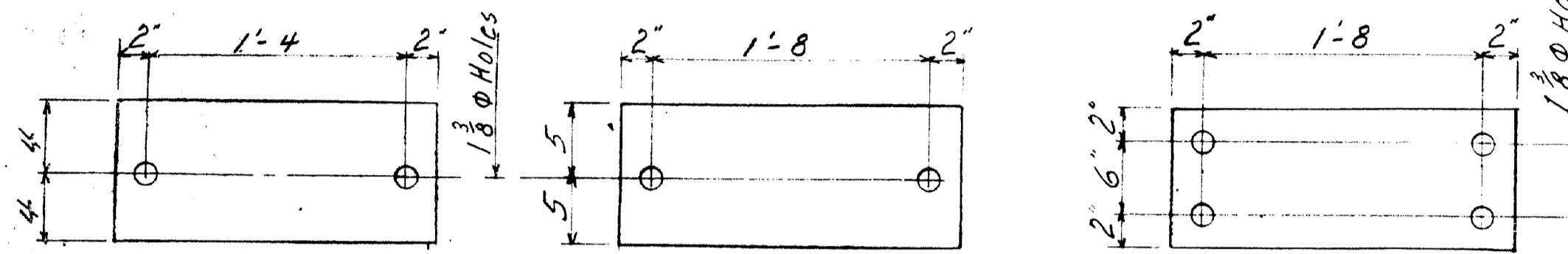
ERECTOR PLAN	
Pancroft & Martin Inc. South Portland, Maine	
NEW MEADOWS ROAD BRIDGE WEST BATH, MAINE	
CUSTOMER REED & REED DESIGNER MAINE S.H.C. BRIDGE DIV.	
ORDER NO. _____	DWG. NO. 64-343-E1

94-49



E BEAR. ABUT. 1	E BEAR. PIER 1	E BEAR. PIER 2	E BEAR. ABUT. 2
EPC-2	FPC-3	EPC-5	EPC-2
EPC-2	FPC-3	EPC-5	EPC-2
EPC-2	FPC-3	EPC-5	EPC-2
EPC-2	FPC-3	EPC-5	EPC-2

PLAN SHOWING LOCATION OF BEARINGS

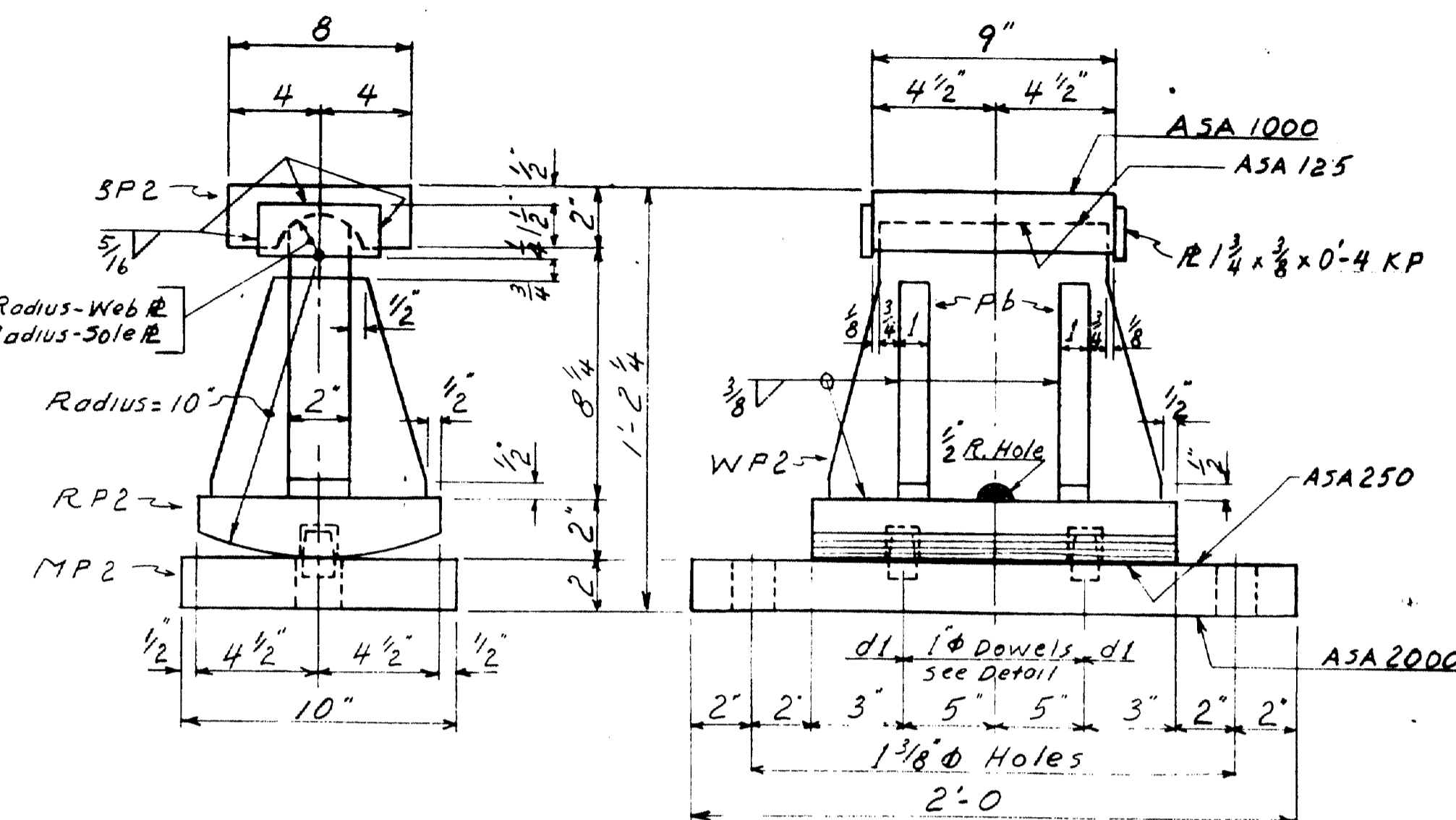


8 x 1/8 x 1'-8 FPI
10 REQ'D FOR EPC-2

10 x 1/8 x 2'-0 FP2
5 REQ'D FOR EPC-5

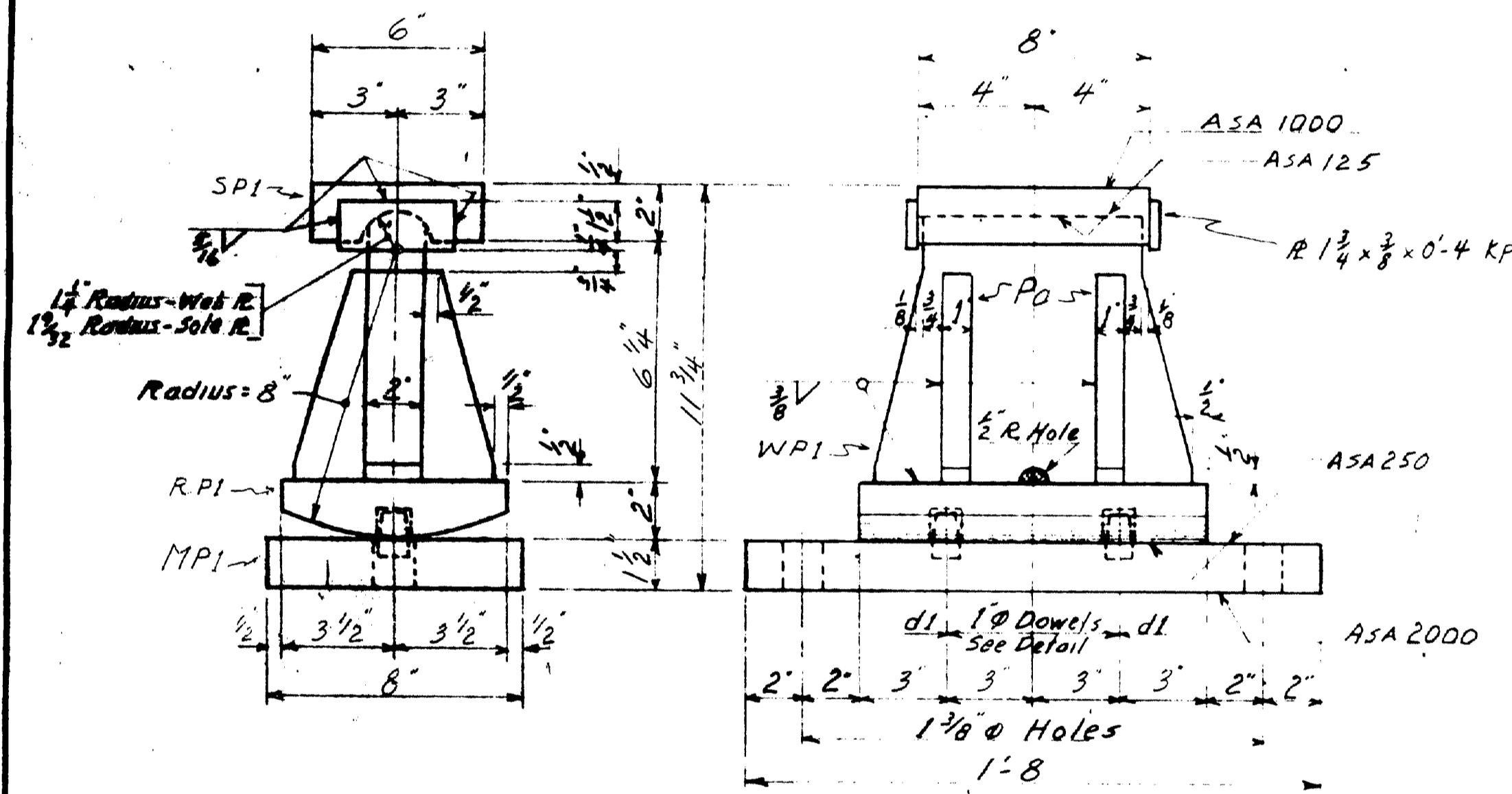
10 x 1/8 x 2'-0 FP3
5 REQ'D FOR FPC-3

FABCO SA47 BEARING PADS



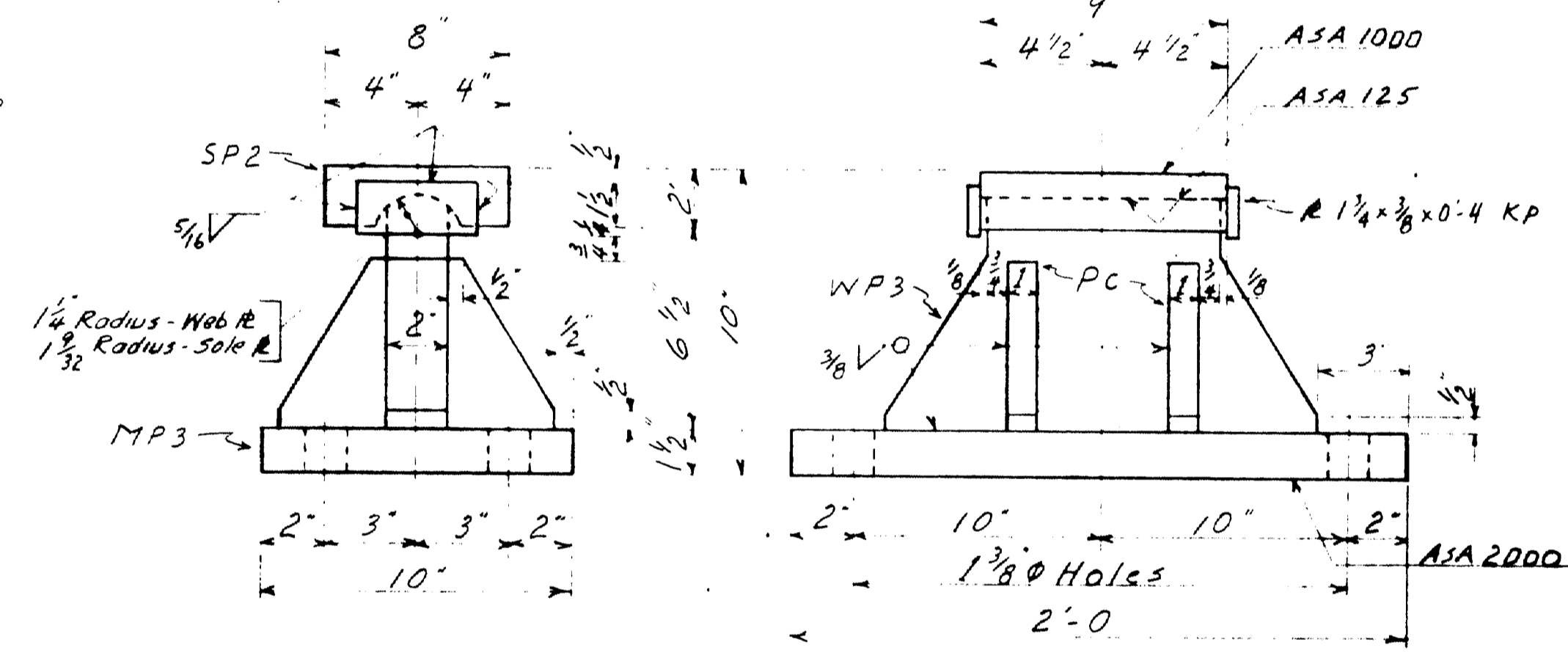
EXPANSION PEDESTAL EPC-5

5 REQ'D.



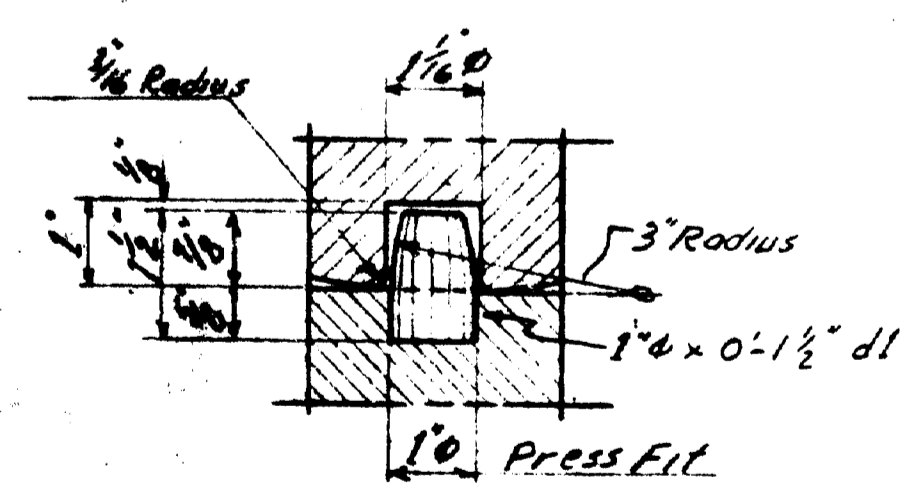
EXPANSION PEDESTAL EPC-2

10 REQ'D.



FIXED PEDESTAL FPC-3

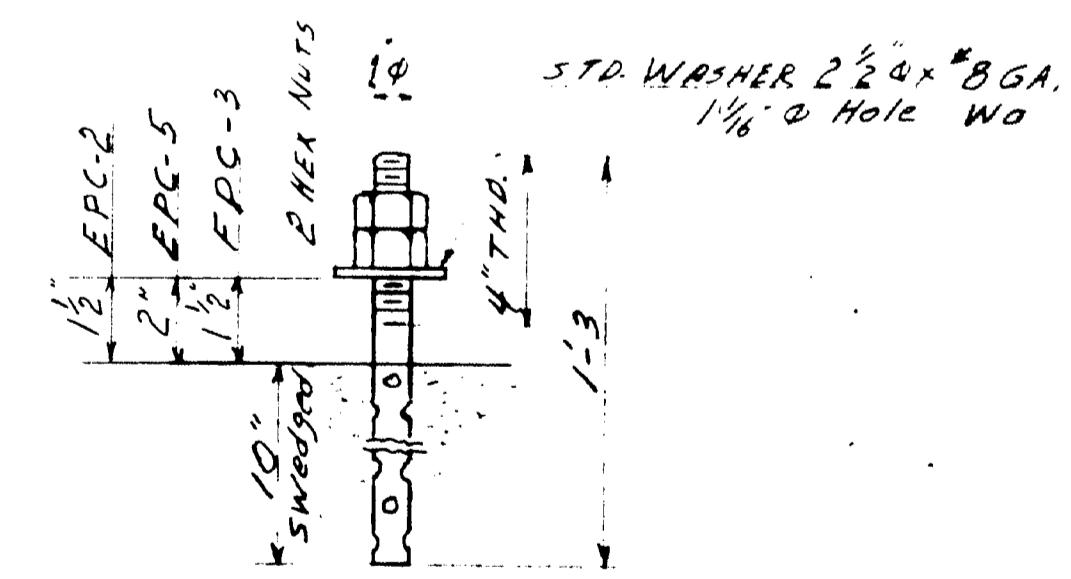
5 REQ'D.



DOWEL DETAIL

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.



ANCHOR BOLTS 10x1-3 ABI 50 REQ'D

2 REQ FOR EPC 4 REQ'D FOR FPC
NO PAINT - OIL TMS.

MARK	NO.	NAME	QTY	UNIT	REMARKS
EPC-2	10	ASSEMBLY			
EPC-5	5	do			
FPC-3	5	do			
	10	SP1	FB 6x2	0 8	
	10	SP2	FB 8x2	0 9	
	10	RP1	FB 7x2	1 0	
	5	RP2	FB 9x2	1 4	
	10	MP1	FB 8x1/2	1 8	
	5	MP2	FB 10x2	2 0	
	5	MP3	FB 10x1/2	2 0	
	10	WP1	FB 7x2	0 11	
	5	WP2	FB 9x2	0 3	
	5	WP3	FB 7x2	1 6	
	40	PO	FB 2x1	0 5 1/2	
	20	PB	FB 3x1	0 7 1/2	
	20	PC	FB 3 1/2 x 1	0 5 1/2	
	40	KP	FB 1 1/4 x 3/8	0 4	
	30	d1	1" BAR	0 1 1/2	
ABI	50	1" BAR		1 3	
	100	NUTS 1" HEX			
	50	WASHERS 1" WASHERS			2 1/2" BGA.
FPI	10	Pad 8x1/8		1 8	FABCO SA47 REQ. # 5617
FP2	5	Pad 10x1/8		2 0	
FP3	5	do		2 0	
					ITEM NO. 702-103.2

BEARING MATERIAL TO BE ASTM A36
ANCHOR BOLTS TO BE A7, A36 OR A307

SHOP CONNECTIONS: WELDED
FIELD CONNECTIONS:

HOLES: AS NOTED
PAINT: RED LEAD PER MAIN ENG SPEC.

SOLE PLATES "SP" FIELD WELDED TO STRANGERS

APPROVED 10-20-64

BEARING DETAILS

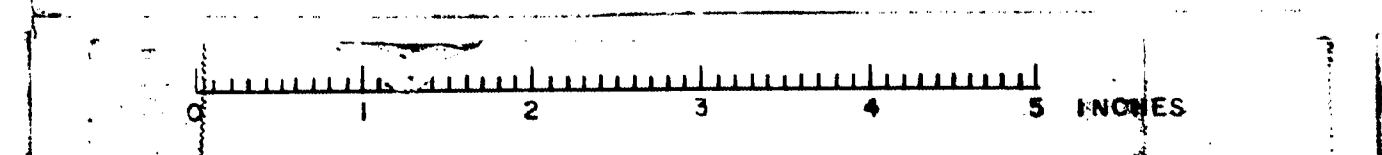
Bancroft & Martin Inc.
South Portland, Maine

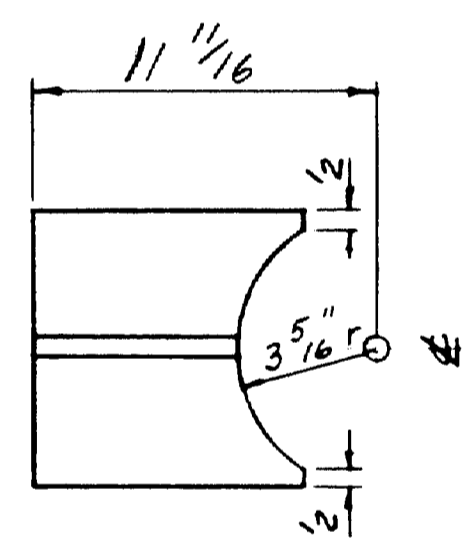
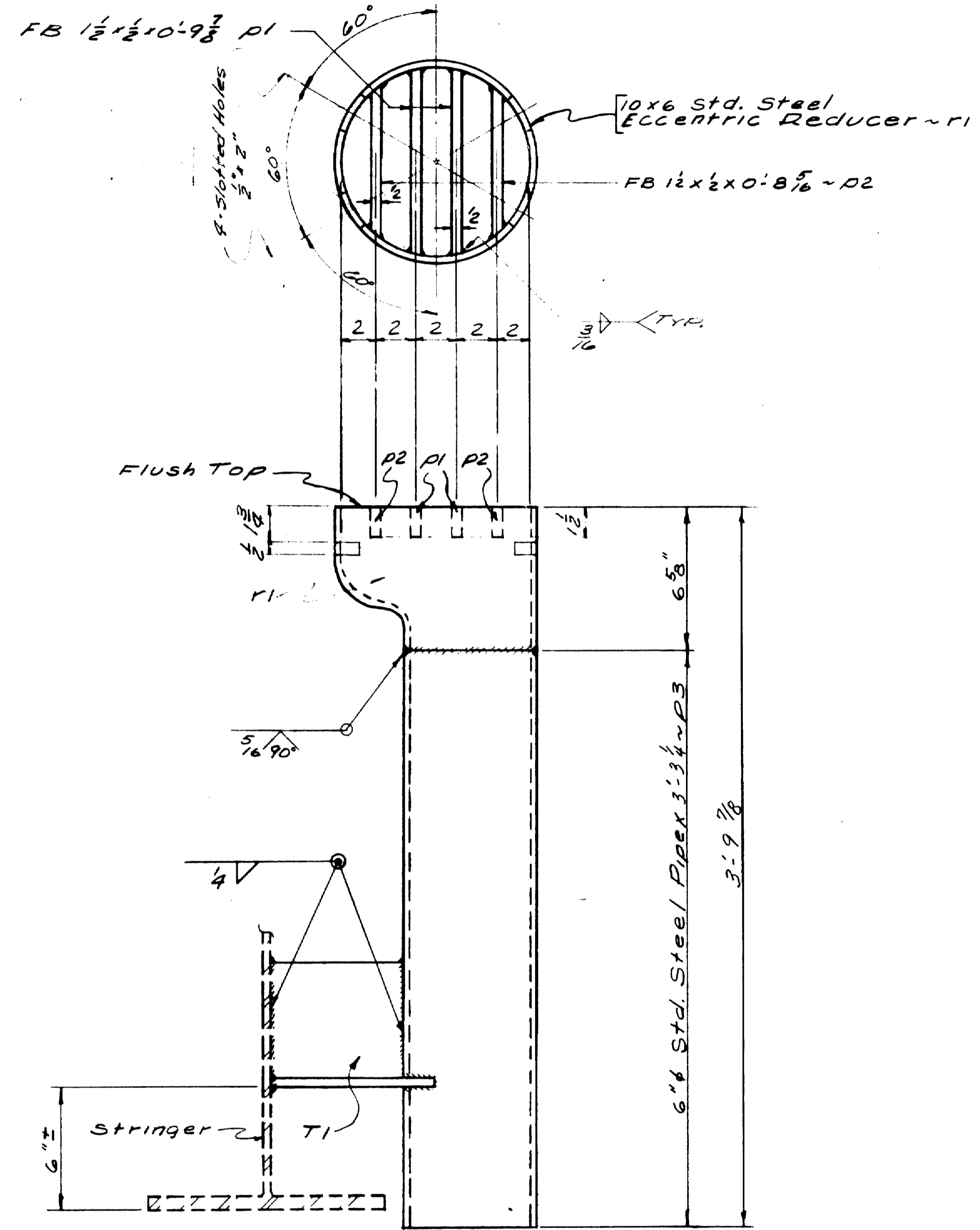
NEW MEADOWS ROAD BRIDGE
OVER US ROUTE 1
WEST BATH, ME.

CUSTOMER: FEED 2, RFD
DESIGNER: *David State*

ORDER NO. _____

DRAWN	10-14-64 CLE
REVISION	
REVISION	





ST 6 WF 13.5 x 0-10 ~ T1
12 REQ'D.

DRAIN DRI ~ 12 REQ'D.

NOTE: SEE STATE'S DWGS. FOR DRAIN LOCATION

SHIP		BILL OF MATERIAL			DWG. NO. 64-348-32	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
DRI	12		Shop Assy			
T1	12		ST 6 WF 13.5	0-10		
	24	P1	FB 1 1/2 x 2	0-9 7/8		
	24	P2	do	0-8 5/8		
	12	P3	6\"/>			

ITEM NO. 702-103.2

SHOP CONNECTIONS: WELDED
FIELD CONNECTIONS: WELDED
HOLES:
PAINT: PER ME. STATE SPECS.
RED LEAD OIL PAINT AS NOTED

APPROVED 10-20-64

DRAWN 10-14-64 CLE	
REVISION	
REVISION	
REVISION	

DRAIN DETAILS

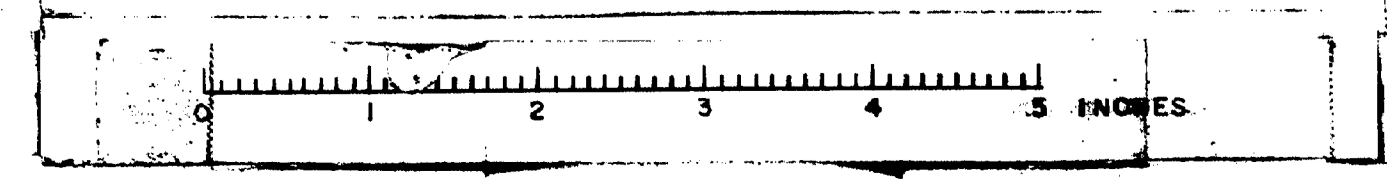
Bancroft & Martin Inc.
South Portland 7, Maine

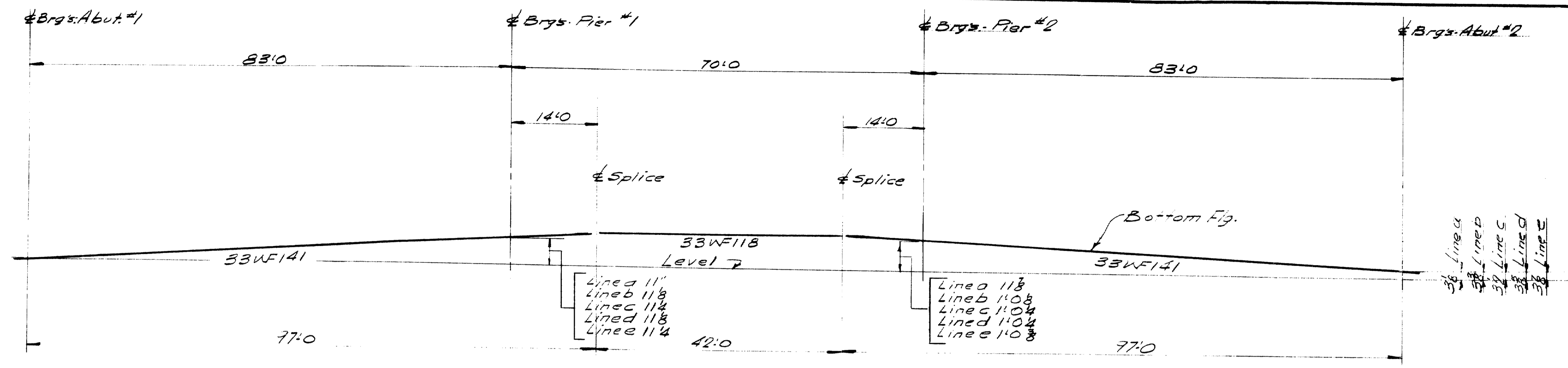
NEW MEADOWS ROAD BRIDGE
OVER U.S. ROUTE 1
WEST BATH ~ ME.

CUSTOMER REED & REED
DESIGNER M.S.H.C.

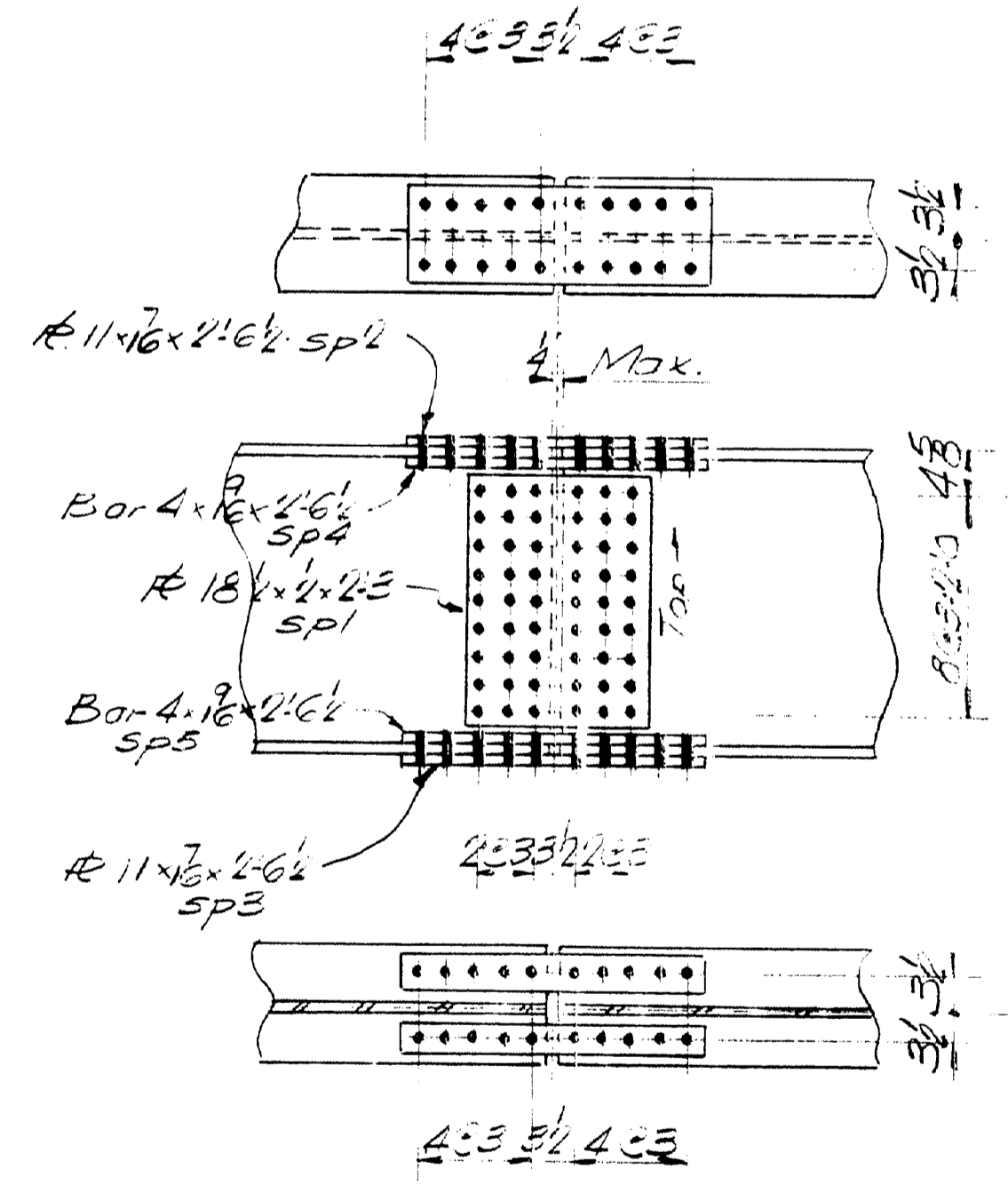
ORDER NO. _____ DWG. NO. 64-348-32

94-51



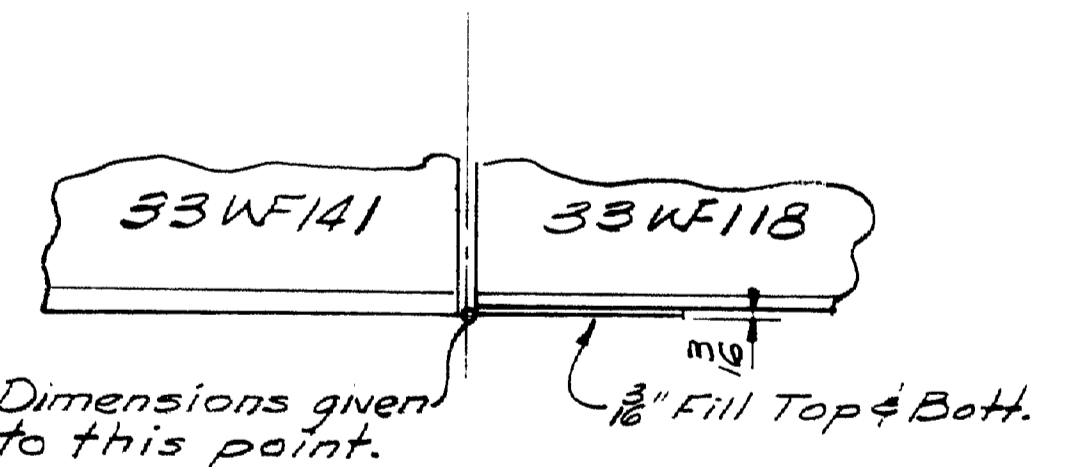


SHOP LAYOUT
 1/4" Max gap @ Top of splices



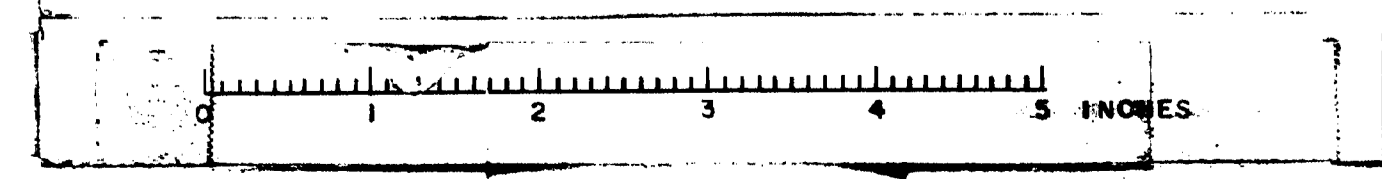
SPLICE DETAIL
 After shop assembly of splices splice plates are to be marked showing what stringers they are to connect.

NOTE
 1) Holes in field splices of continuous beams are to be sub-punched (or sub-drilled) to 11"φ and reamed while assembled in the shop to 1 1/8"φ. Connecting parts to be match marked & bolted for shipment.
 2) All cambers to be placed up.

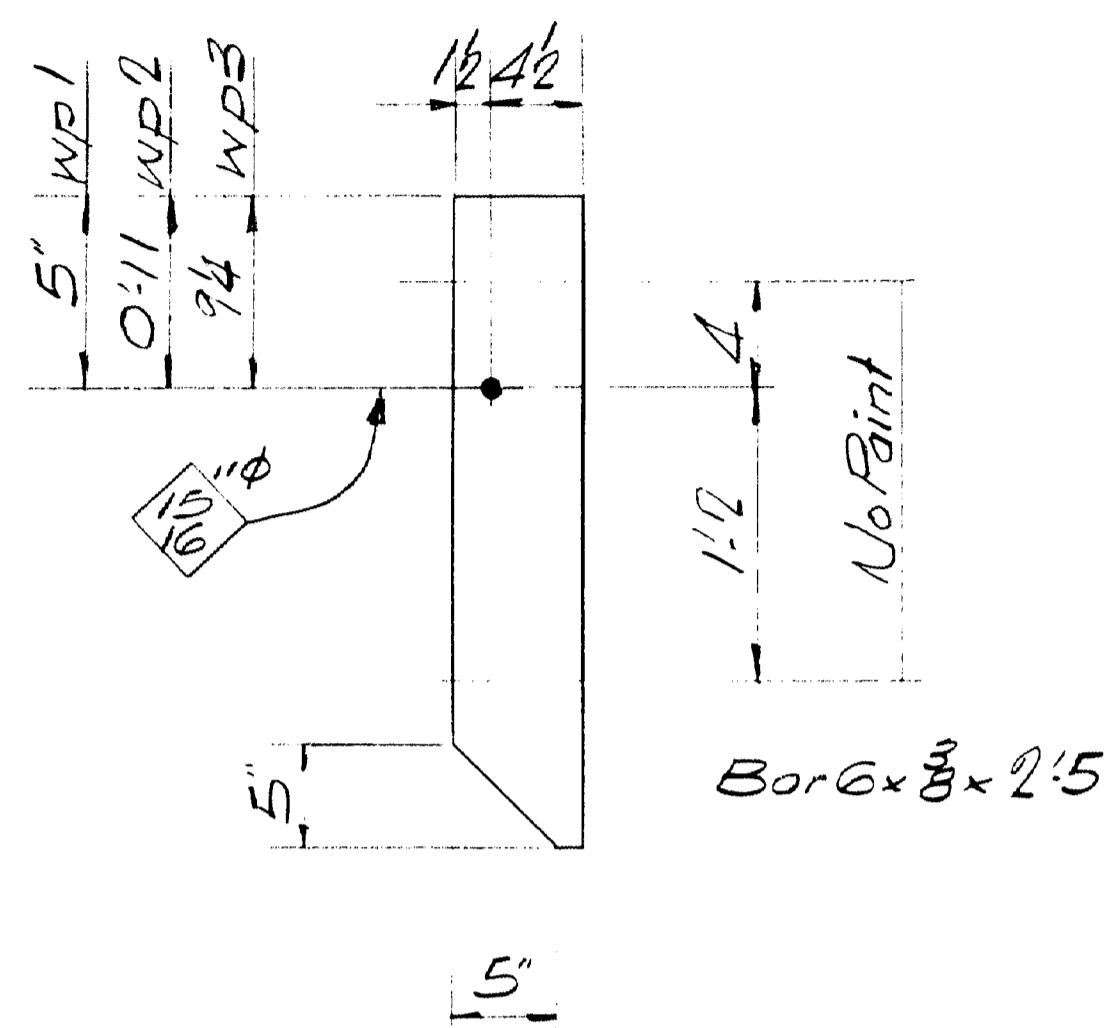


Detail @ Splices

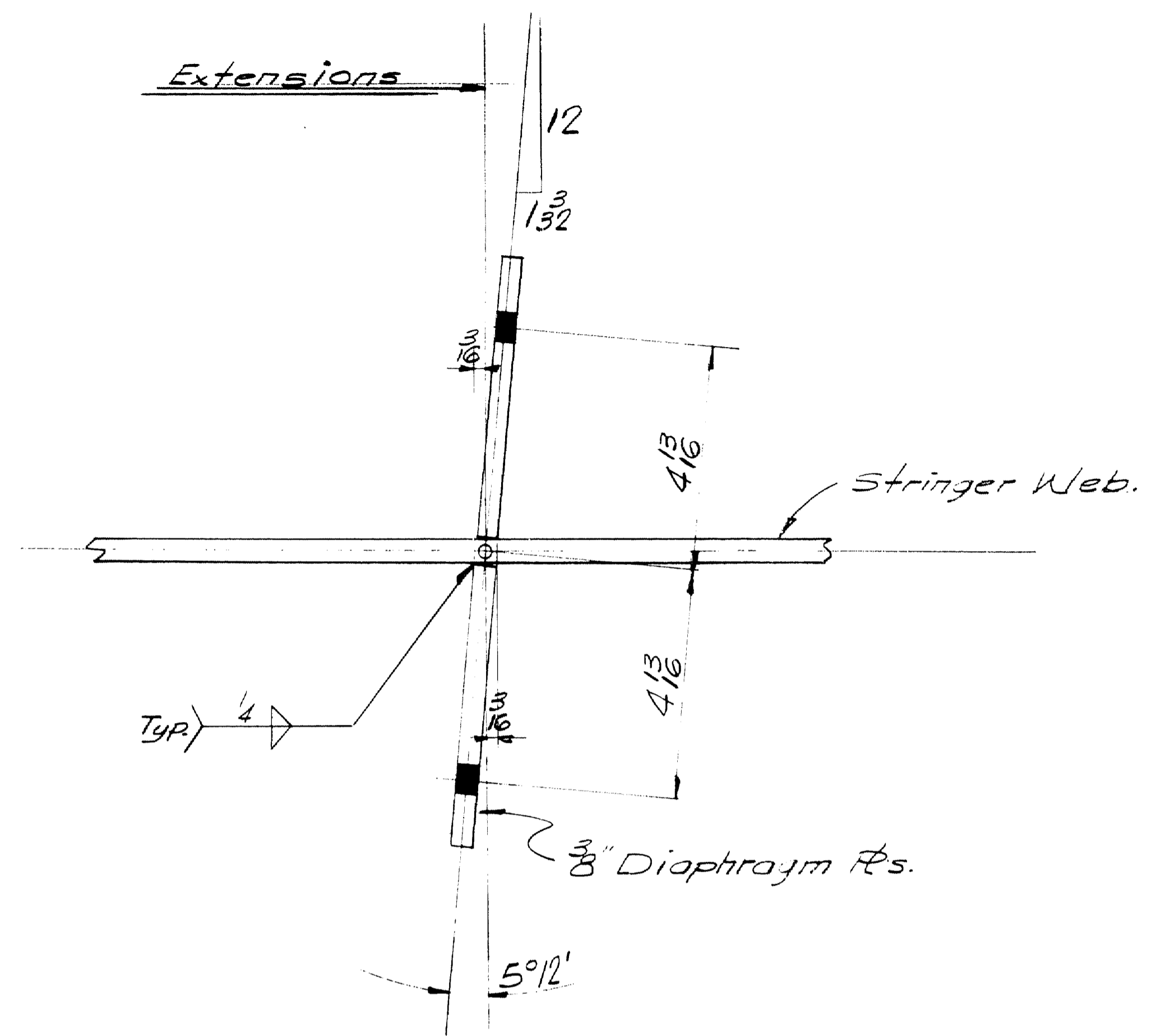
SHOP LAYOUT	
Pancroft & Martin Inc. South Portland 7, Maine	
NEW MEADOWS ROAD BRIDGE WEST BATH, MAINE	
CUSTOMER REED & REED	
DESIGNER W. G. S. H. C. RIDGEMAN	
DRAWN 10-19-64 J.P.F.	ORDER NO. _____
REVISION 11-18-64 J.P.F.	DWG. NO. 64-348-53
REVISION	
REVISION	



94-52



wpl. 3/4 Req'd.
wpl. 3/6 Req'd.
wpl. 3/6 Req'd.

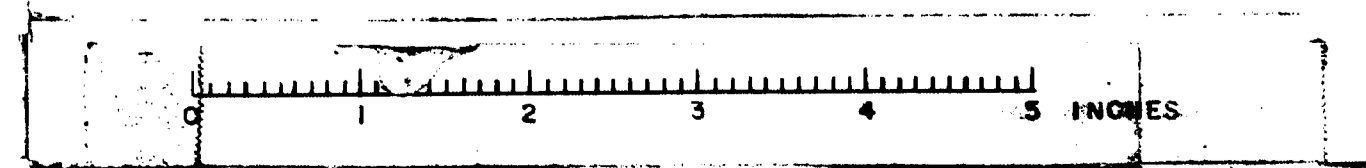


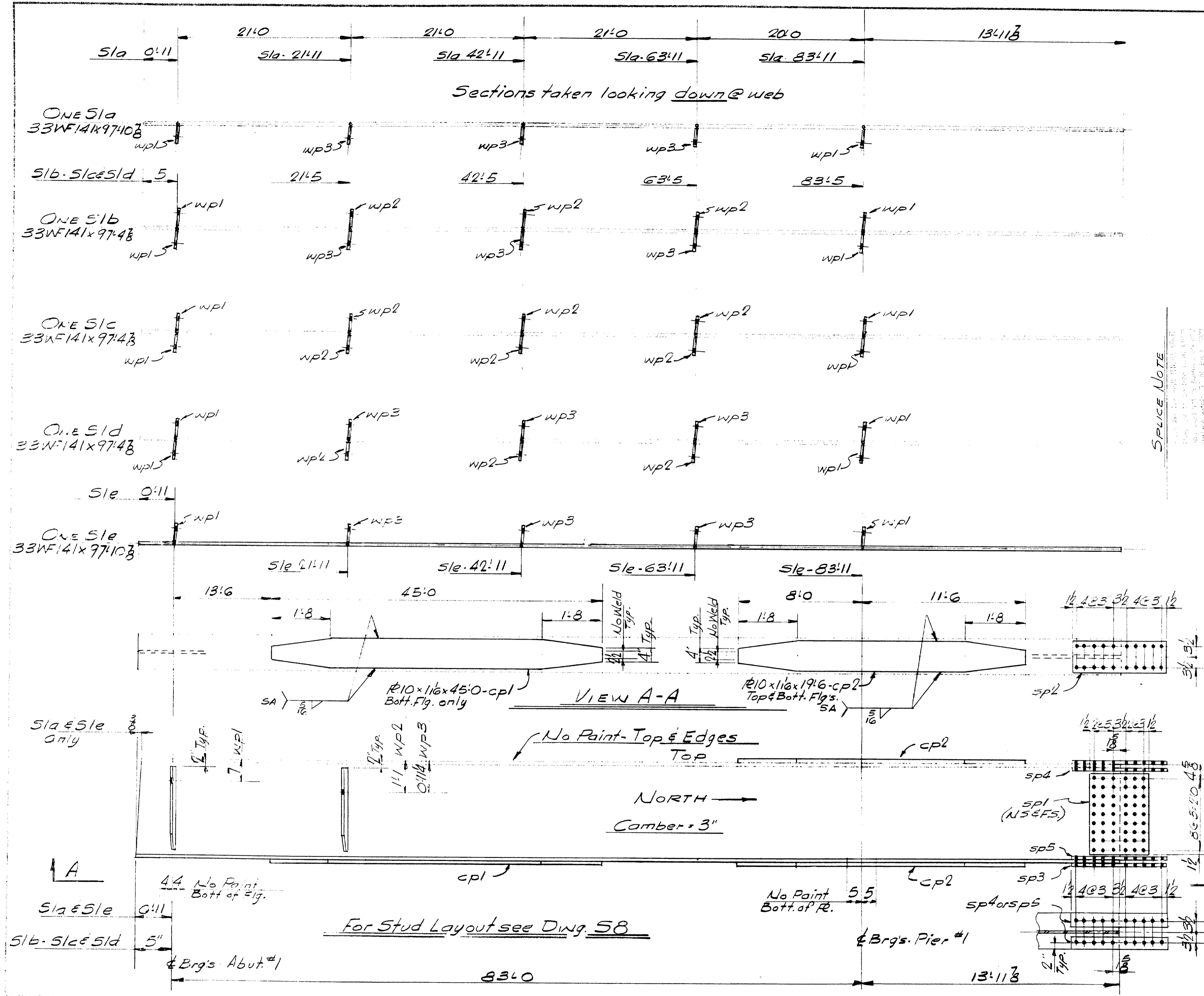
DETAIL @ DIAPHRAGM PLATES

TYPICAL DETAILS	
Bancroft & Martin Inc. South Portland 2, Maine	
NEW MEADOWS ROAD BRIDGE WEST BATH, MAINE	
CUSTOMER REED & REED	
DESIGNER MAINE S. H. C. BRIDGE DIV.	
ORDER NO. VERBAL	DWG. NO. 24-348-54

DRAWN	10-26-64 J.P.P.
REVISION	
REVISION	
REVISION	

94-53





SHIP		BILL OF MATERIAL			DWG. NO. 64-348-55	
MARK	NO	MARK	SHAPE	LENGTH	WT.	REMARKS
Slas	1		33WF141	97'10 3/8		Comber = 3"
Sibs	1			97'4 3/8		= 3"
Sics	1			97'4 3/8		= 3"
Sids	1			97'4 3/8		= 3"
Sles	1		33WF141	97'10 3/8		Comber = 3"
	5	cp1	R10 x 1 1/8	45'0		
	10	cp2	Do	19'6		
	16	wpl	30' x 3"	2'5		
	12	wpl	Do	2'5		
	12	wpl	Do	2'5		
	10	sp1	R10 x 1 1/8	2'3		
	5	sp2	R10 x 1 1/8	2'6 1/2		
	5	sp3	Do	2'5 1/2		
	10	sp4	Bar 4 x 1/2	2'6 1/2		
	10	sp5	Do	2'6 1/2		

SPICE NOTE

1405 SHOP STUDS 0.5 - RE # 5533 ITEM # 705-17.2

H.S.M. Desig. A-36

705-105.2

Use E70 Rod. Bolted - Bolted For State of Maine Specs Red Lead.

BRIDGERS - SPAN 1

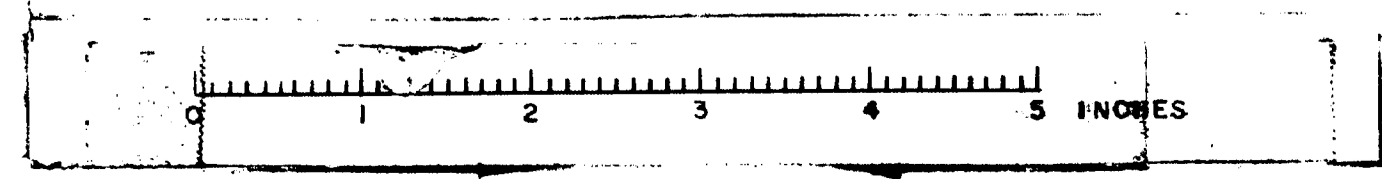
NEW MEADOWS ROAD BRIDGE WEST BATH, MAINE

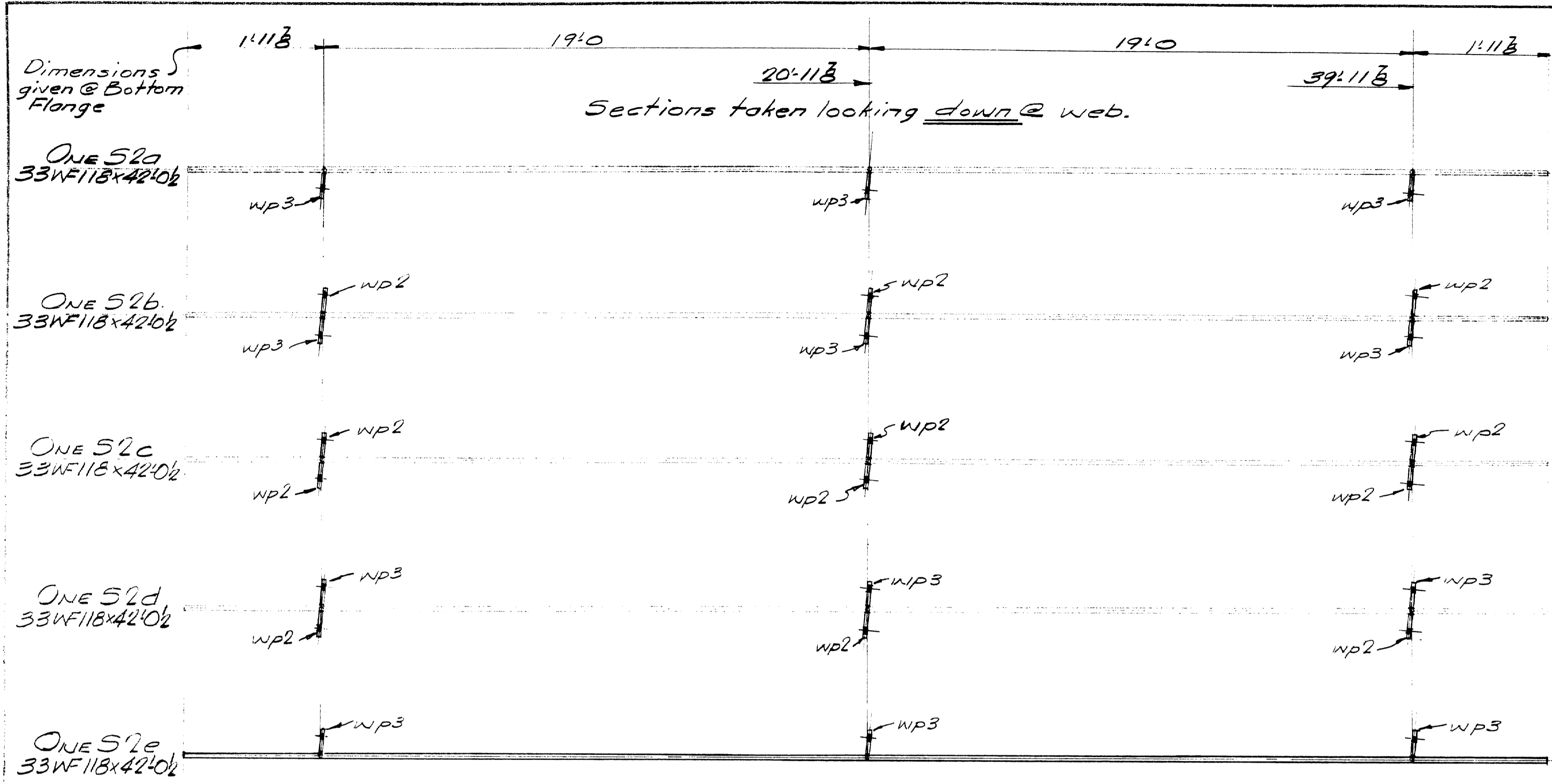
REED & REED MAINE S.H.C. BRIDGE DIV.

10-1964

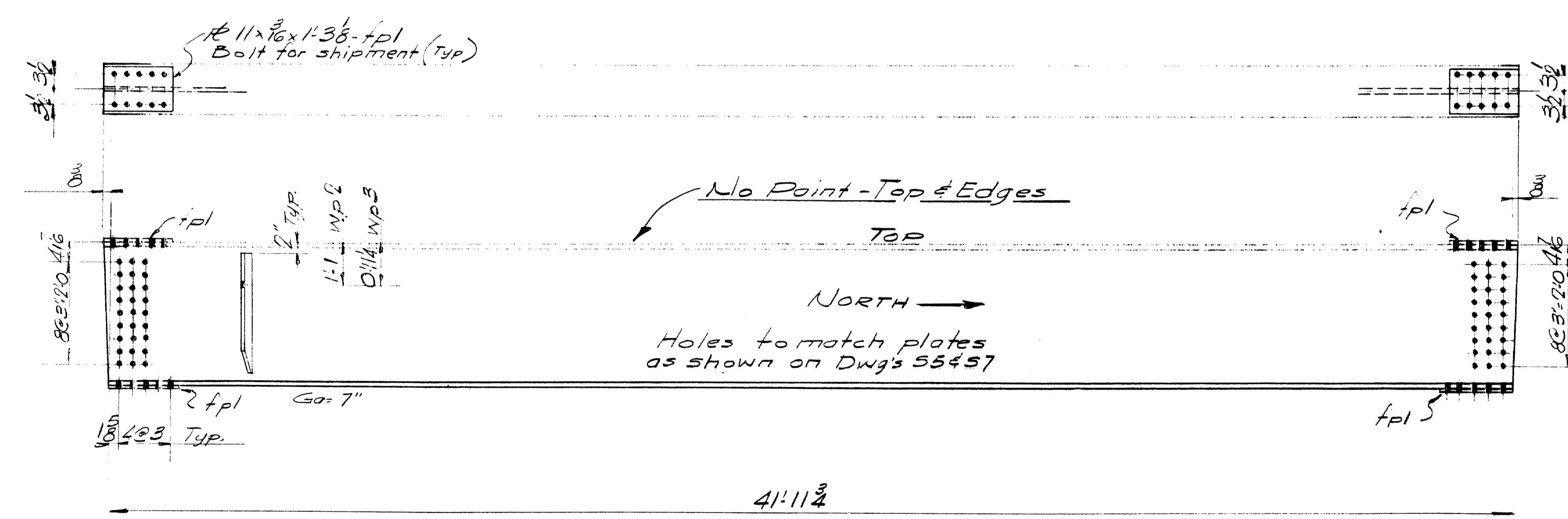
VERBAL DWG. NO. 64-348-55

94-54





SHIP		BILL OF MATERIAL			DWG. NO. 64-348-56	
MARK	NO	MARK	SHAPE	LENGTH	WT.	REMARKS
52a	1		33WF118	42'02"		No Camber
52b	1			42'02"		
52c	1			42'02"		
52d	1			42'02"		
52e	1		33WF118	42'02"		No Camber
	12	wp2	307 2x3	25		
	12	wp3	DO	25		
	20	fpl	12 11x3/8	138		



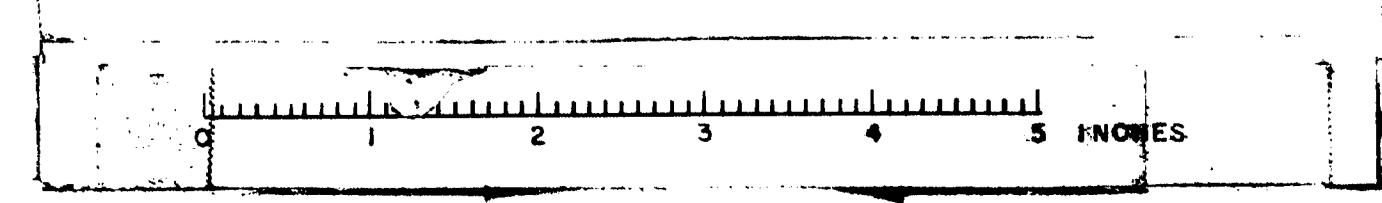
SPlice NOTE
 PINNED ARE FOR HIGH TENSILE BOLTS
 They are to be from same source

H.S.M. Spec. A-39
 702-103.2

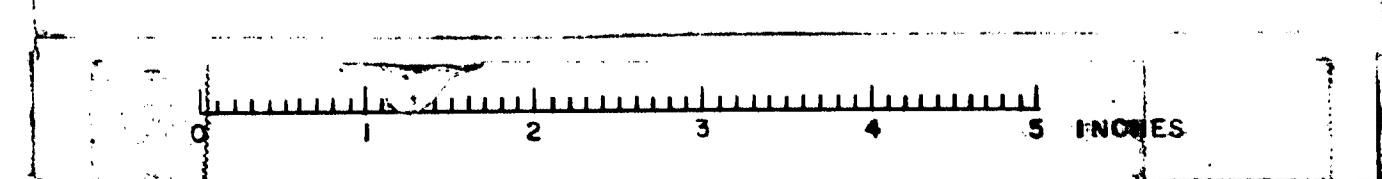
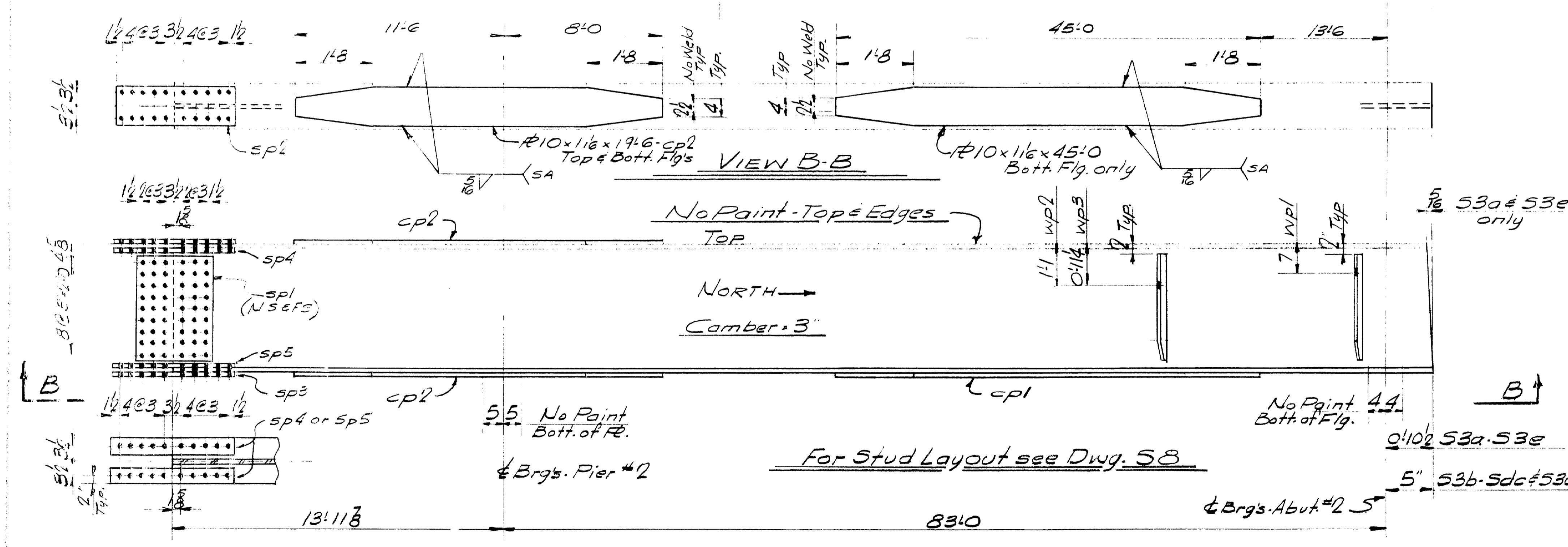
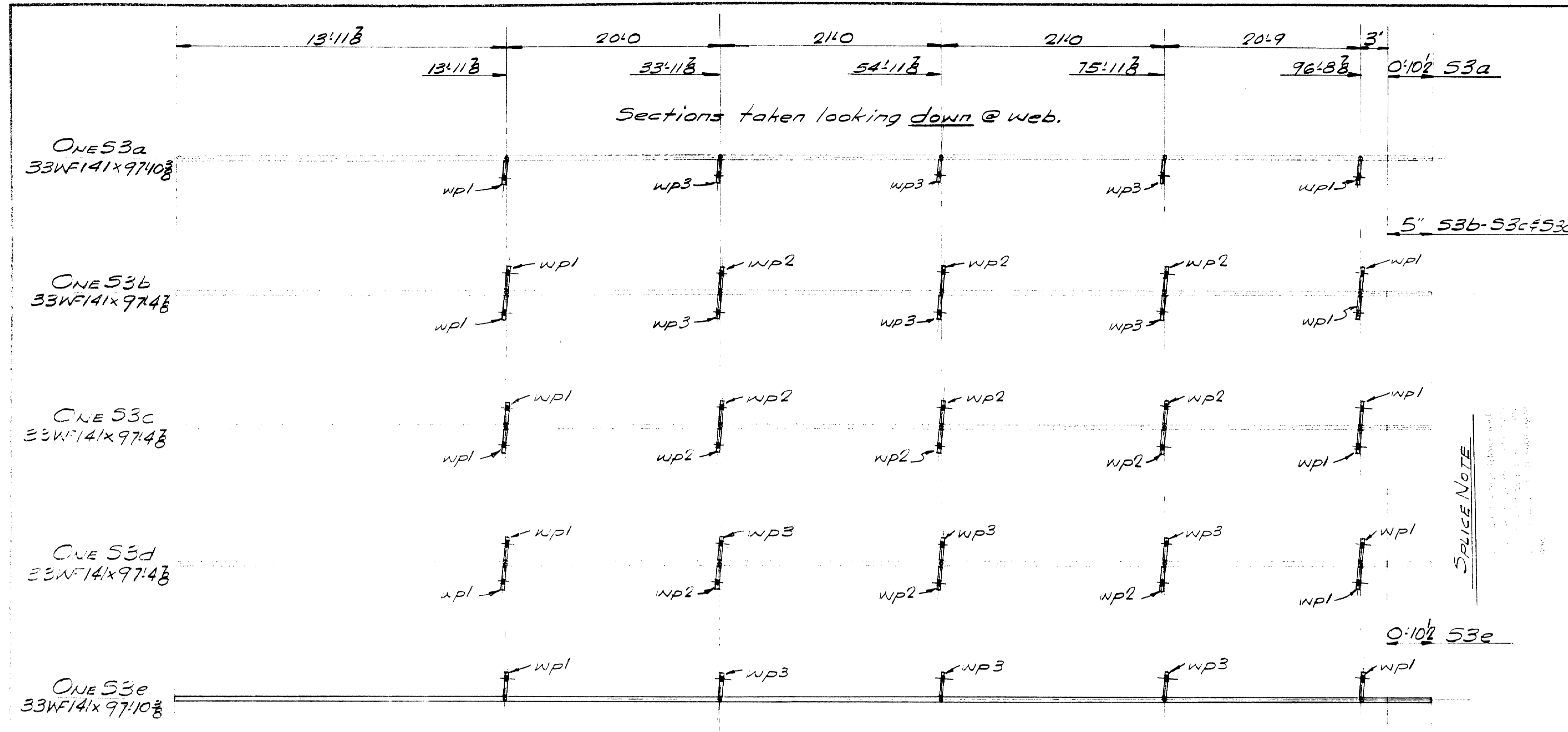
RED LEAD
 E-70 Rod
 Welded-Bolted
 Per State of Maine Specs
 Red Lead.

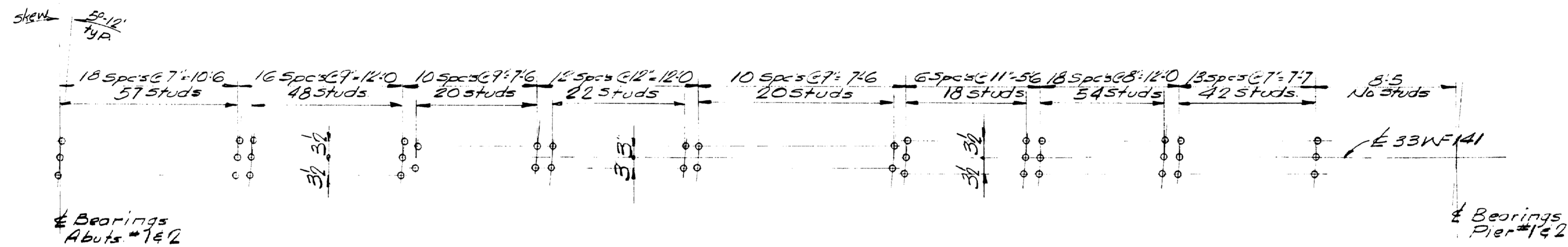
APP. 11-17-64
 REED & REED
 MAIN S.H.C. BRIDGE DIV.
 VERBAL Dwg. NO. 64-348-56

94-55



SHIP		BILL OF MATERIAL			DWG. NO. 64-348-57	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
53a	1		33WF 41	97'10 3/8		Camber = 3"
53b	1			97'4 3/8		" = 3"
53c	1			97'4 3/8		" = 3"
53d	1			97'4 3/8		" = 3"
53e	1		55WF 41	97'10 3/8		Camber = 3"
	5	cpl	2" x 1/2" x 6"	45'0"		
	10	sp1	2"	19'	6	
	16	wpl	2" x 3"	7'	5	
	12	wpl	2"	5'	5	
	12	wpl	2"	5'	5	
	10	sp1	2" x 2"	2'	3	
	5	sp2	2" x 1/2"	1'	6	
	5	sp3	2"	1'	6	
	10	sp4	5/8" x 1/2"	5'	6	
	10	sp5	2"	5'	6	
FIELD 550			3/8" x 3" BOLTS	0	3	@ Web
Do 410			2"	0	3	@ Flg.
Do 160			3/8" x 3" BOLTS			
KOS SHOP 8"			NELSON STUDS	0	5	RE # 5533 ITEM # 705-17.2
ASTM Desig. A-36						
SECTION 103.2						
No. of Rods - E70 Rod.						
No. of Bolts - Bolted						
Maine Specs						
Red Lead						
BRIDGES - SPAN 3						
New Meadows Road Bridge						
West Bath, Maine						
REED & REED						
MAINE S. H. C. BRIDGE DIV.						
10-22-64						
VERBAL						

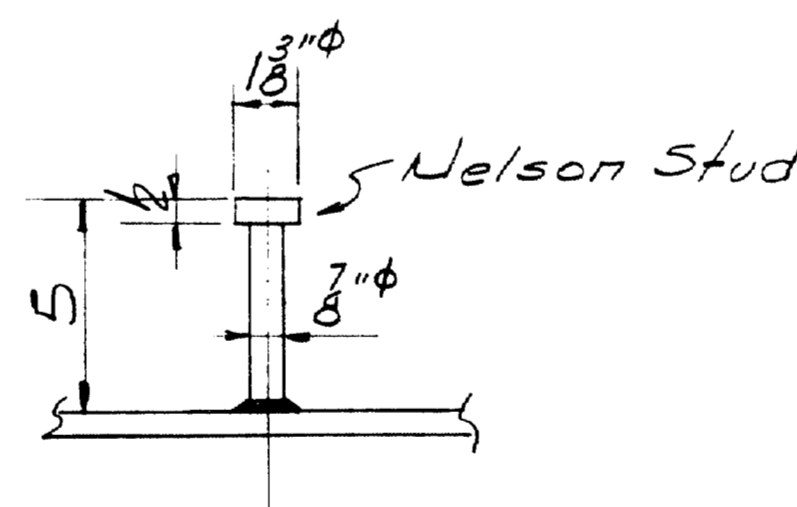




STUD LAYOUT

3/8" x 5" Studs - 2810 Req'd.

281 Per Stringer



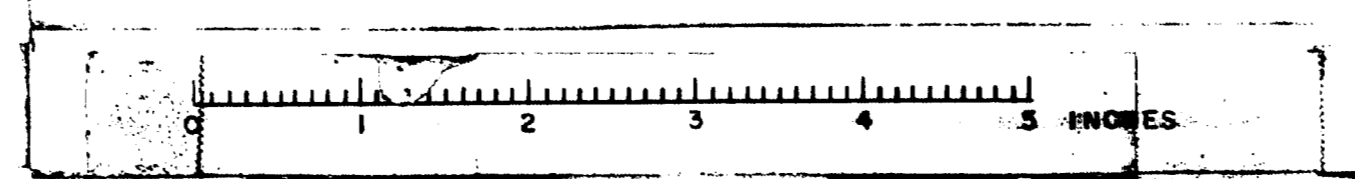
STUD DETAIL

STUD LAYOUT	
Bancroft & Martin Inc. South Portland, Maine	
NEW MEADOWS ROAD BRIDGE WEST BATH, MAINE	
CUSTOMER REED & REED	
DESIGNER MAINE S.H.C. BRIDGE DIV.	
ORDER NO. VERBAL	DWG. NO. 64-348-58

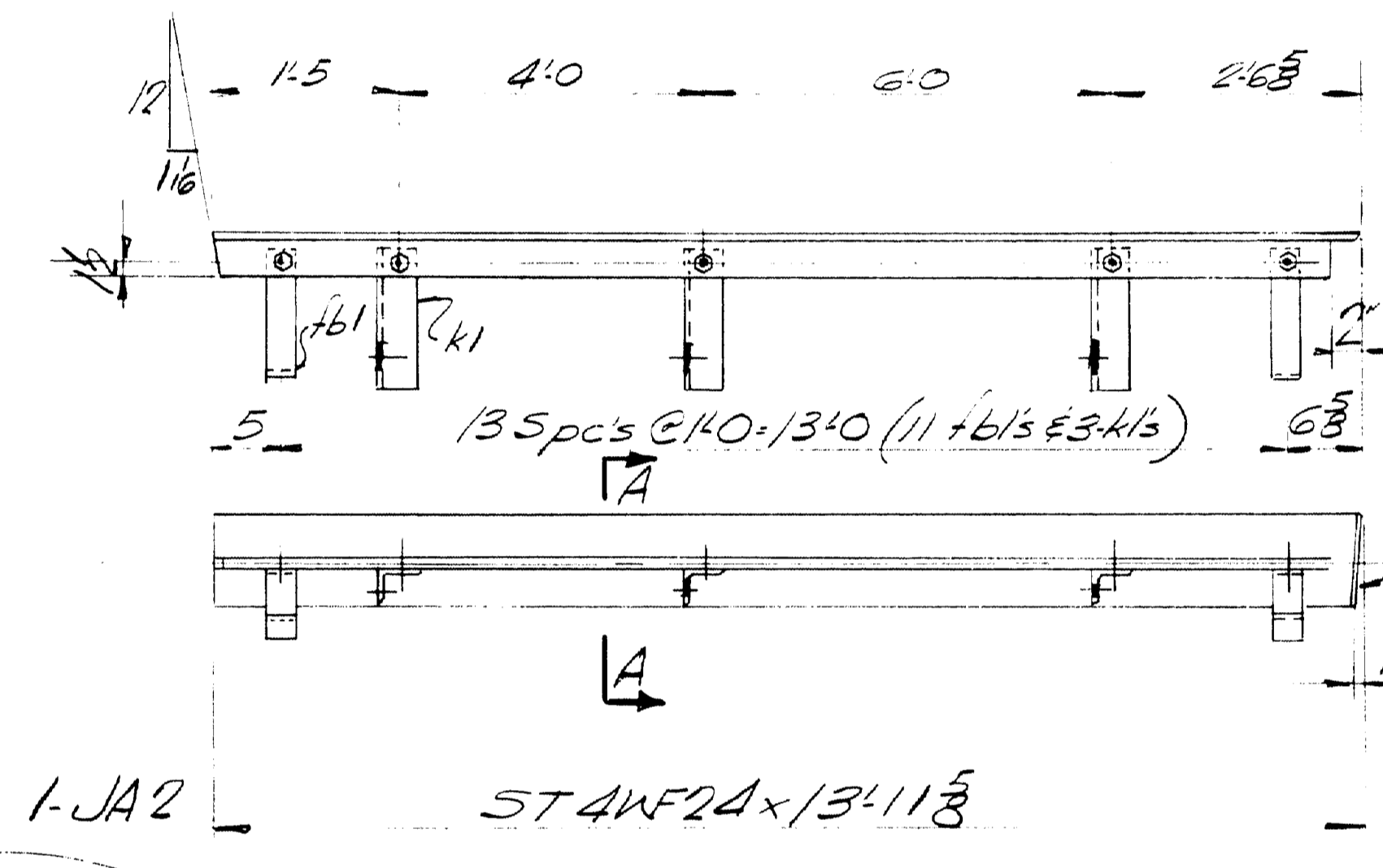
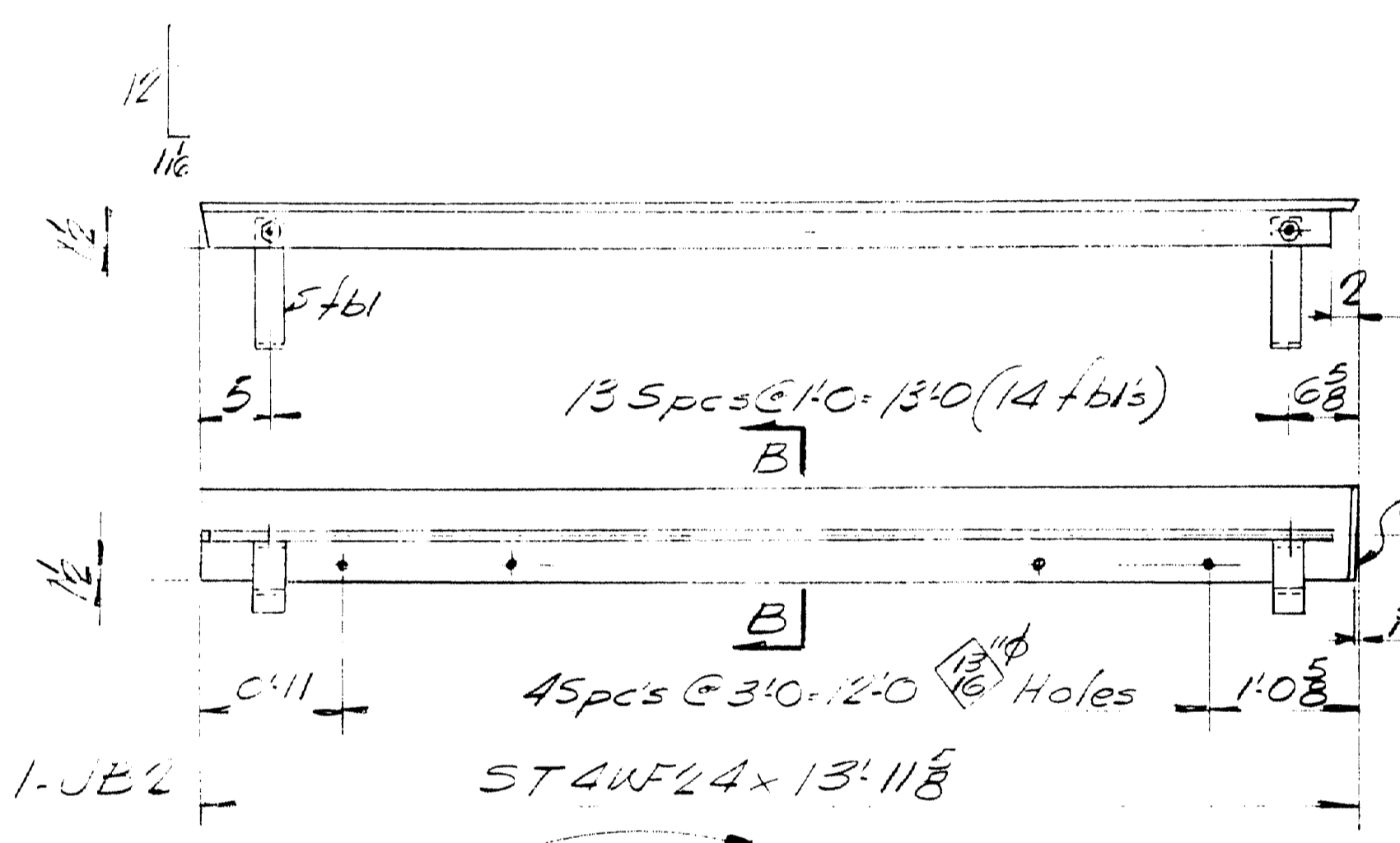
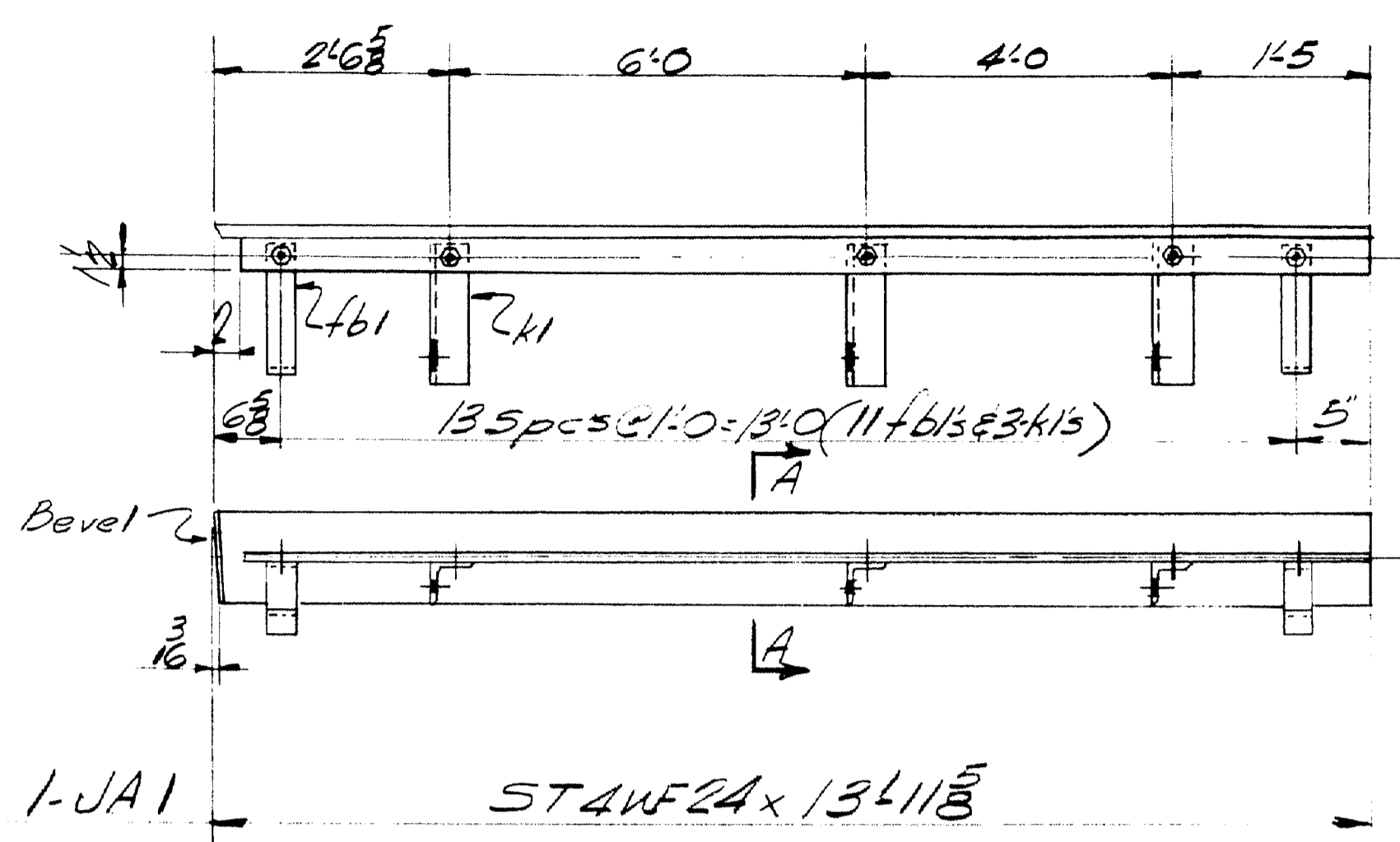
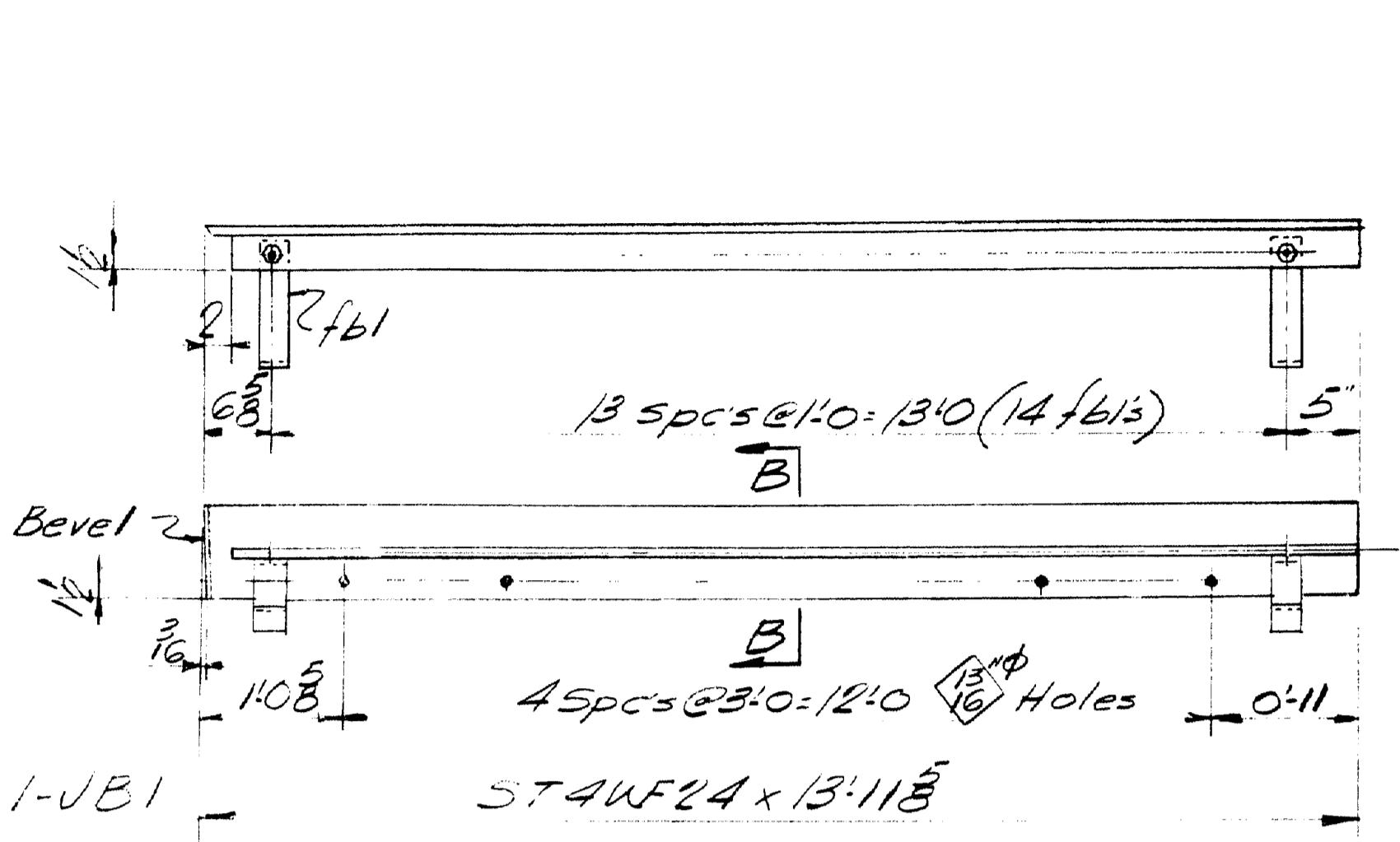
APP 11-17-64

DRAWN	10-26-64 J.P.F.
REVISION	
REVISION	
REVISION	

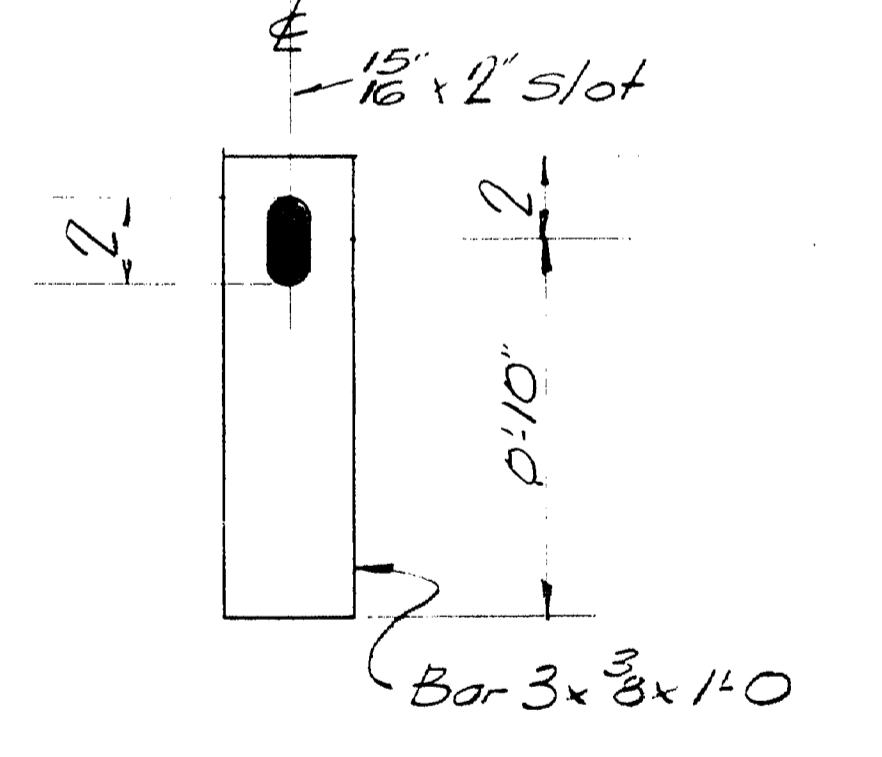
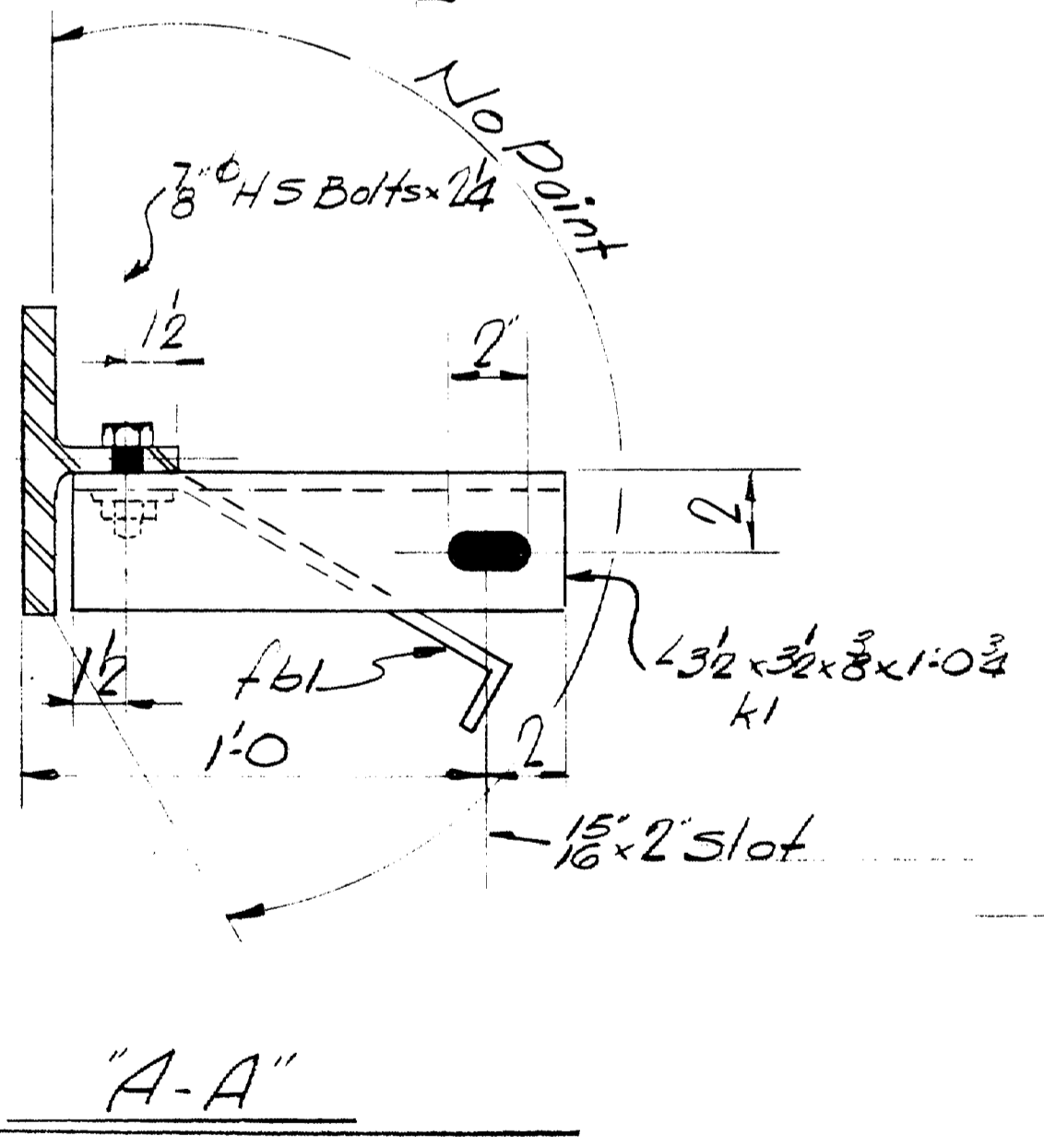
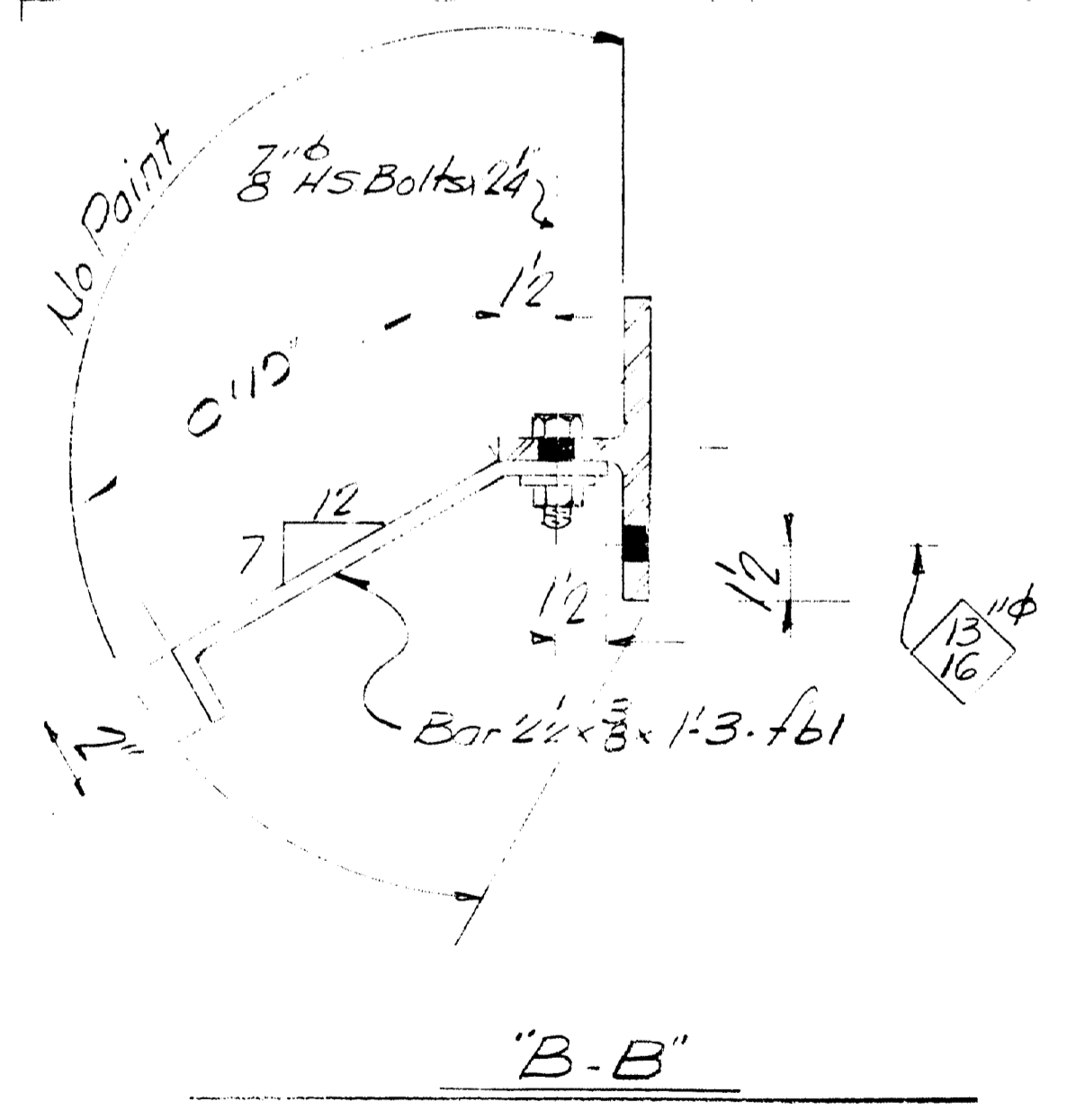
94-57



SHIP		BILL OF MATERIAL				REMARKS
MARK	NO.	MARK	SHAPE	LENGTH	WT.	
JB1	1		ST4WF24	13'11 3/8"		
JB2	1		Do	13'11 3/8"		
JA1	1		Do	13'11 3/8"		
JA2	1		Do	13'11 3/8"		
	50	f61	Bar 2 3/8"	1	3	
	6	f62	Bar 3 3/8"	1	0	
	6	k1	3/2 x 3/8 x 8"	1	0 2 1/2	
	62	SHOP	3/8" HS BOLTS	0	24	
	62	Do	3/16" HARD			
			3 WASHERS			



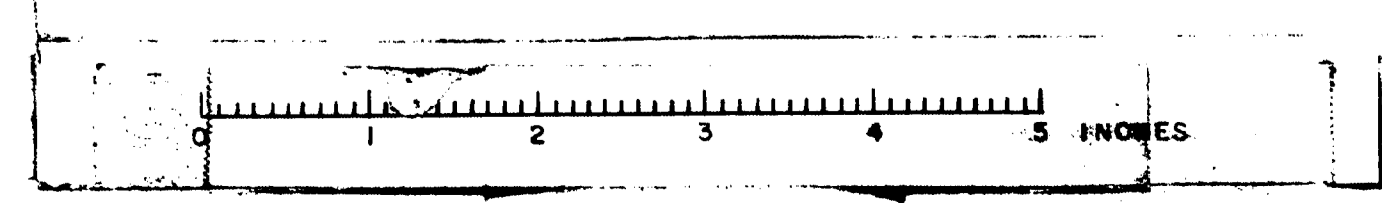
Bevel Detail
30°

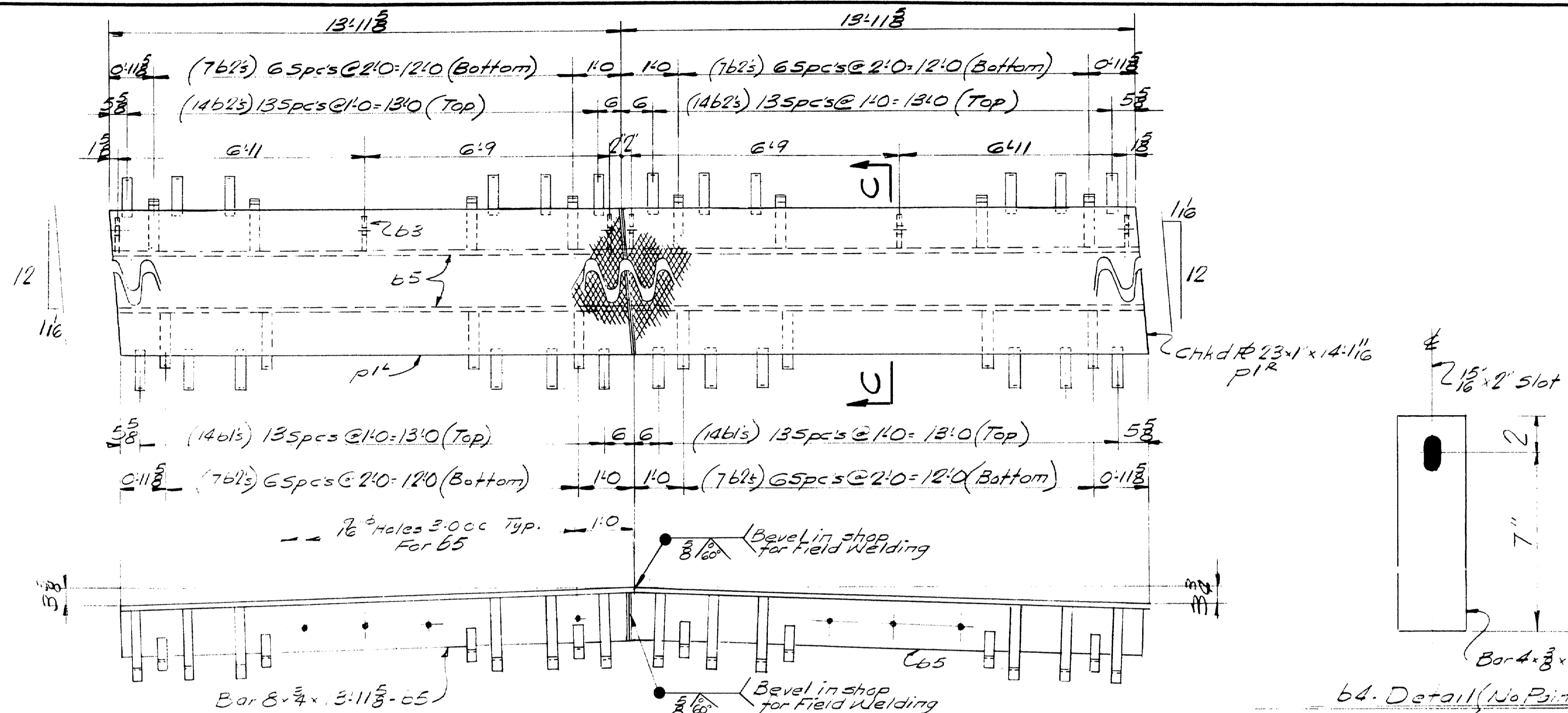


f62 - Detail (No Point)
Bolt to k1 for shipment
Use 3/8" HS Bolts x 24"

SHOP CONNECTIONS: Bolted
FIELD CONNECTIONS: Welded
HOLES: 3/16" unless noted
PAINT: Pe- State of Maine Specs
Red Lead

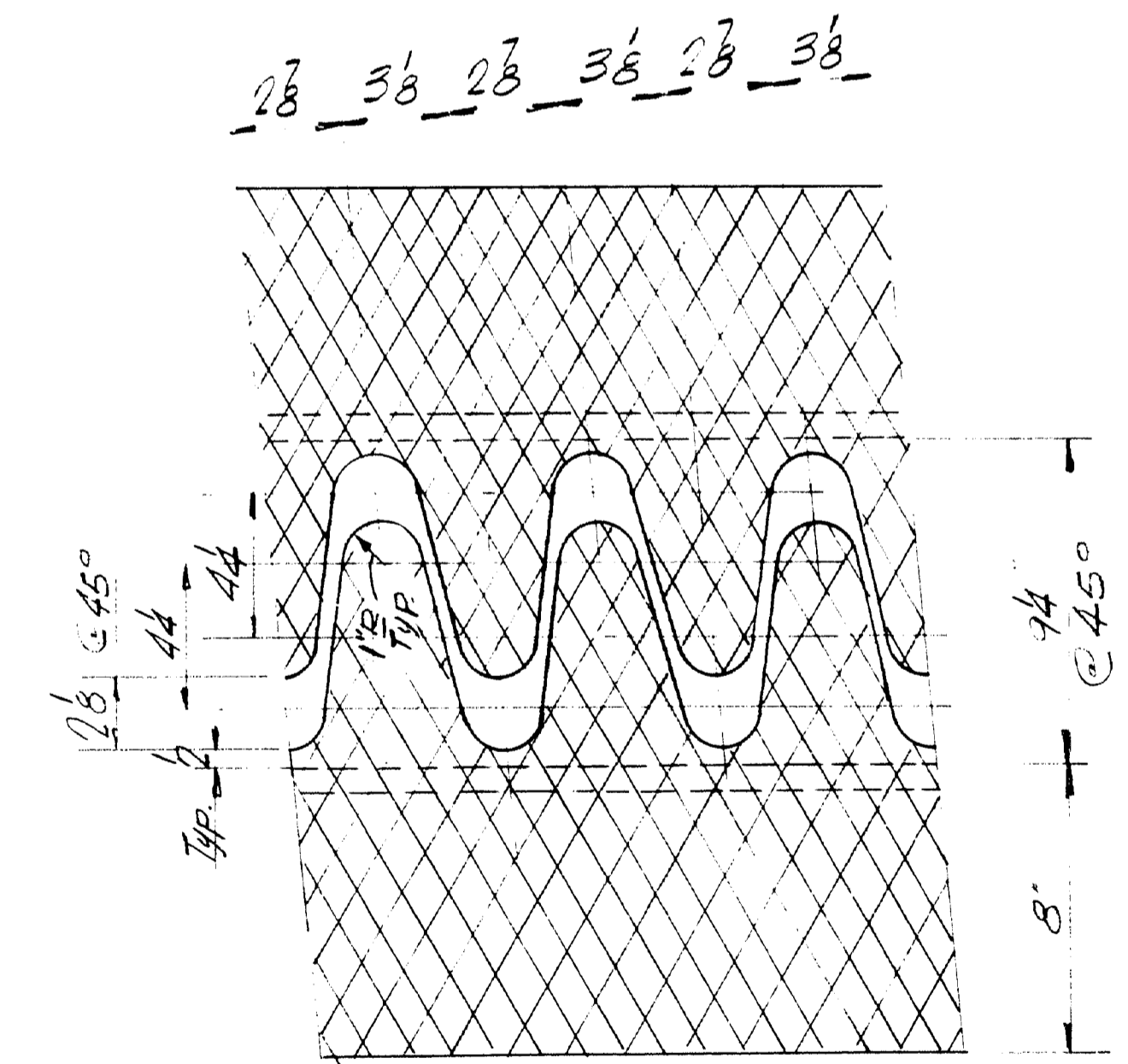
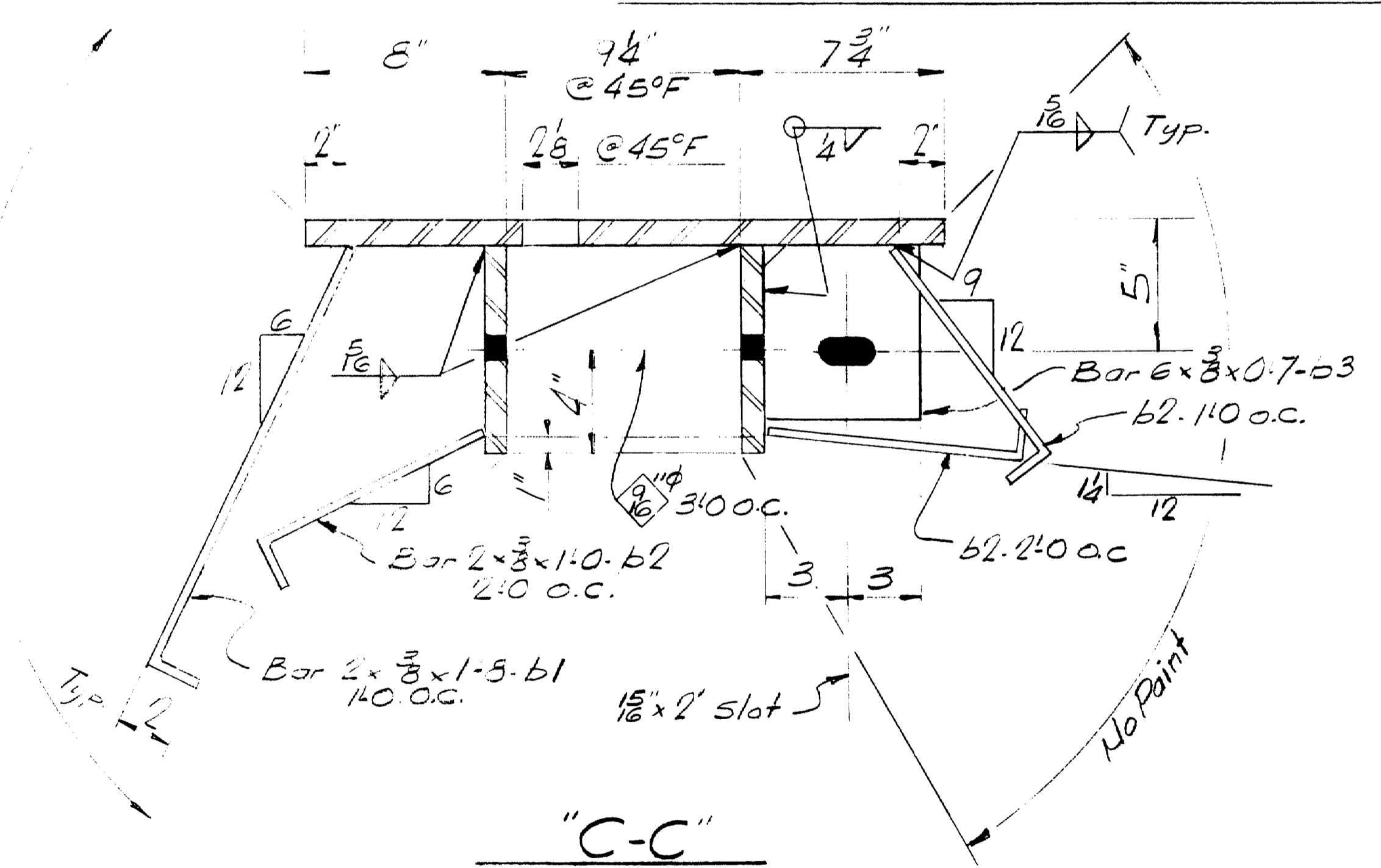
ARMORED JOINTS
Powers & Martin Inc.
South Portland, Maine
NEW MEADOWS ROAD BRIDGE
WEST BATH, MAINE
CUSTOMER: REED & REED
DESIGNER: MAINE S.H.C. BRIDGE DIV.
ORDER NO. VERBAL DWG. NO. 64-348-510





EDI - ONE REQ'D.

b4. Detail (No Point)
 Bolt to b3 for shipment
 Use 3/8" H.S. Bolts - 24
 Field Weld to Top of Stringer



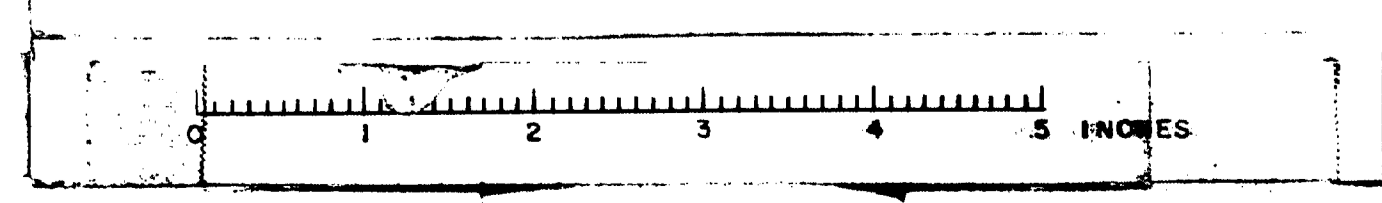
CUTTING DIAGRAM
 Cut from 23x1" non skid p. match mark.

SHIP		BILL OF MATERIAL				DWG. NO. 64-348-511
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
EDI	1		ASSEMBLY			
	1	pl	23x1"	14	1 1/2	
	1	pl	Do	14	1 1/2	
	28	pl	Bar 2x3/8	1	8	
	56	b2	Do	1	0	
	6	b3	Bar 6x3/8	0	7	
	6	b4	Bar 4x3/8	0	9	
	4	b5	Bar 8x3/4	13	1 1/2	
	6	SWD	3/8" H.S. BOLTS	0	24	
	6	Do	3 WASHERS			
A.S.T.M. Desig. A-36						
ITEM 102-103.2						

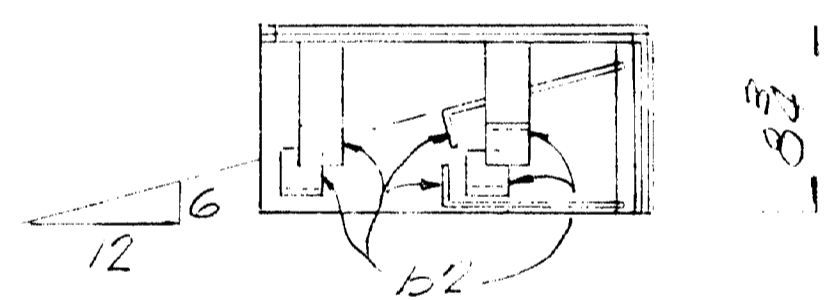
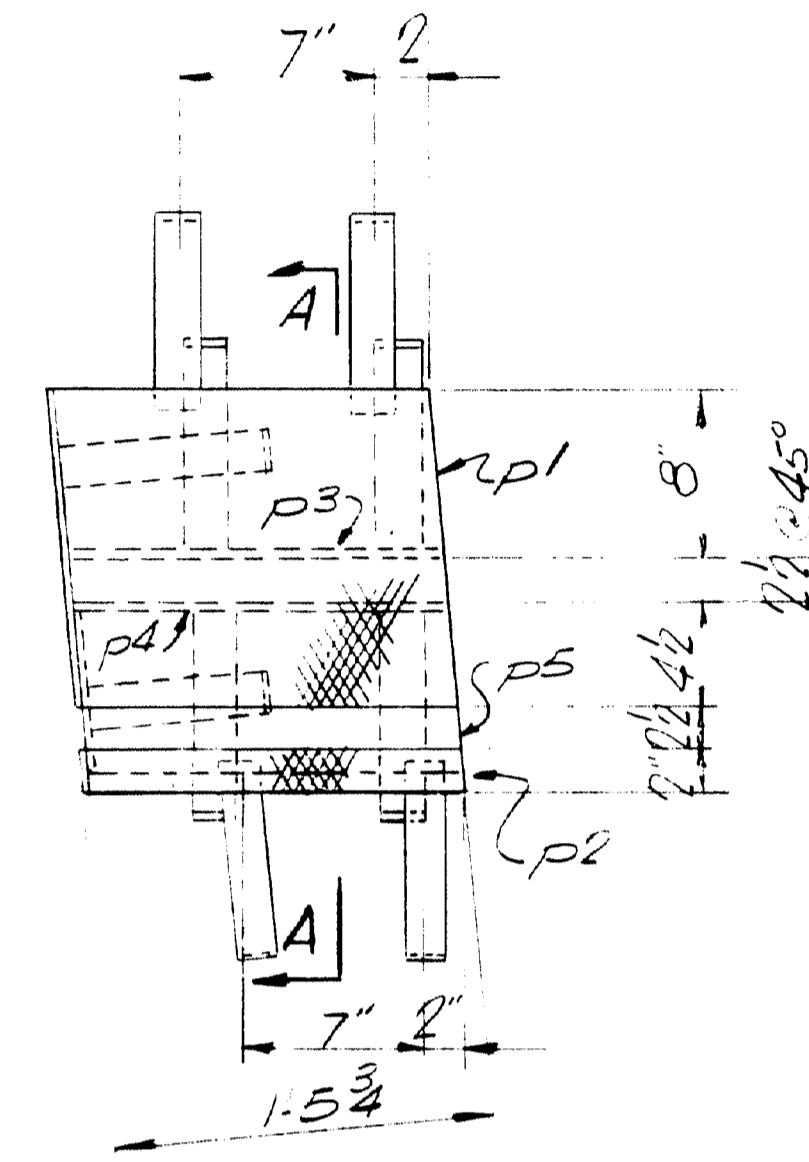
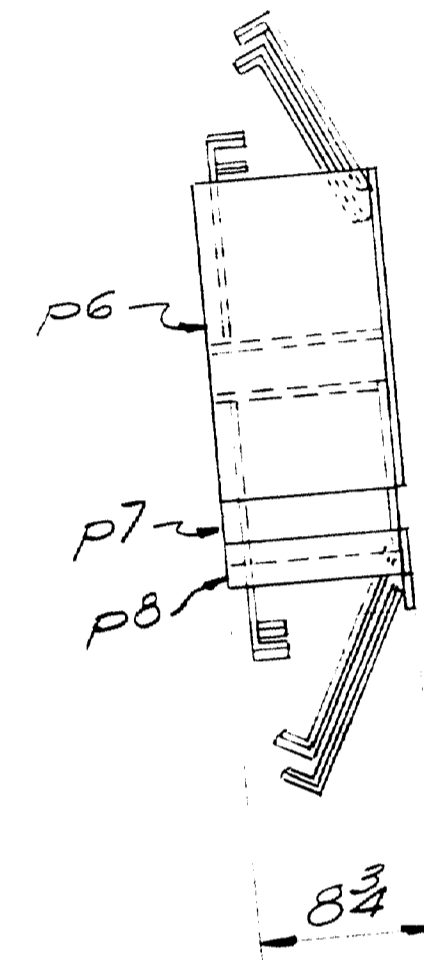
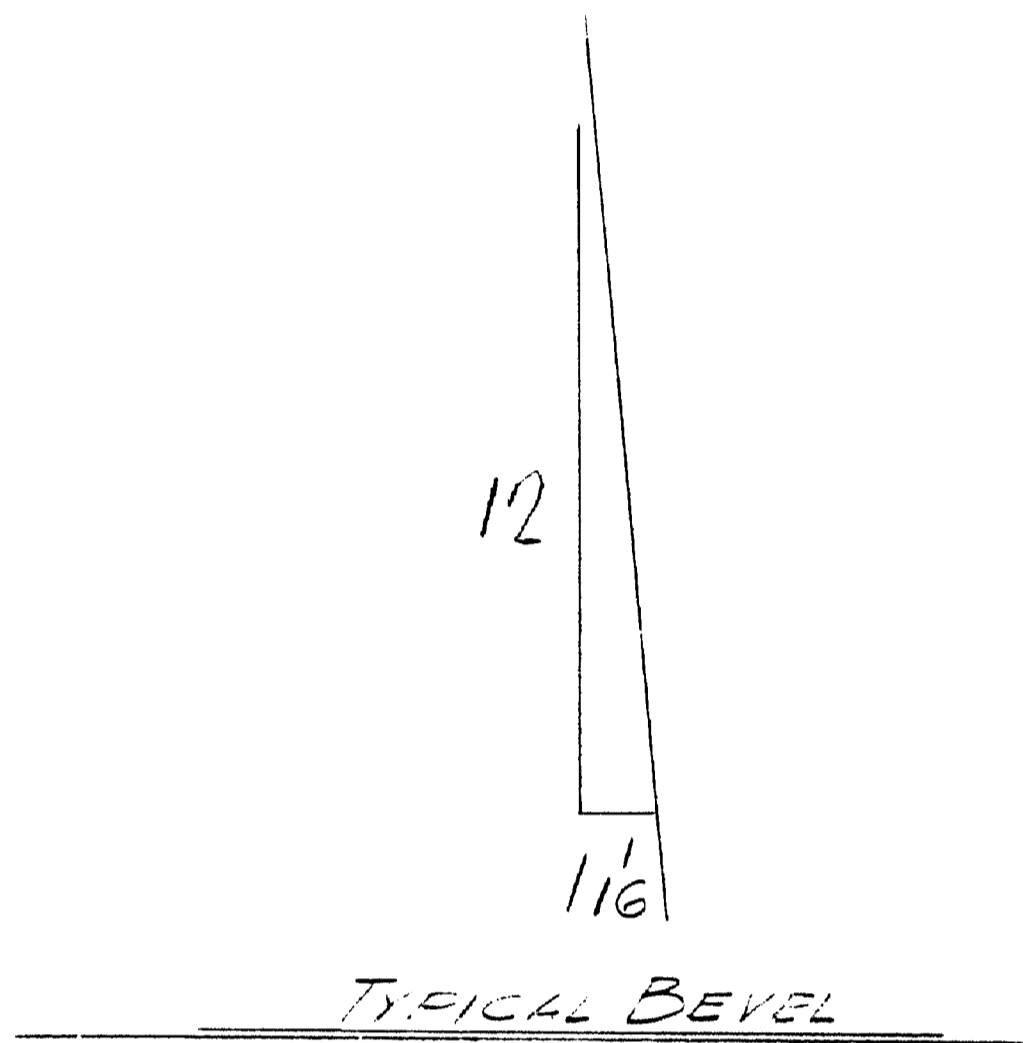
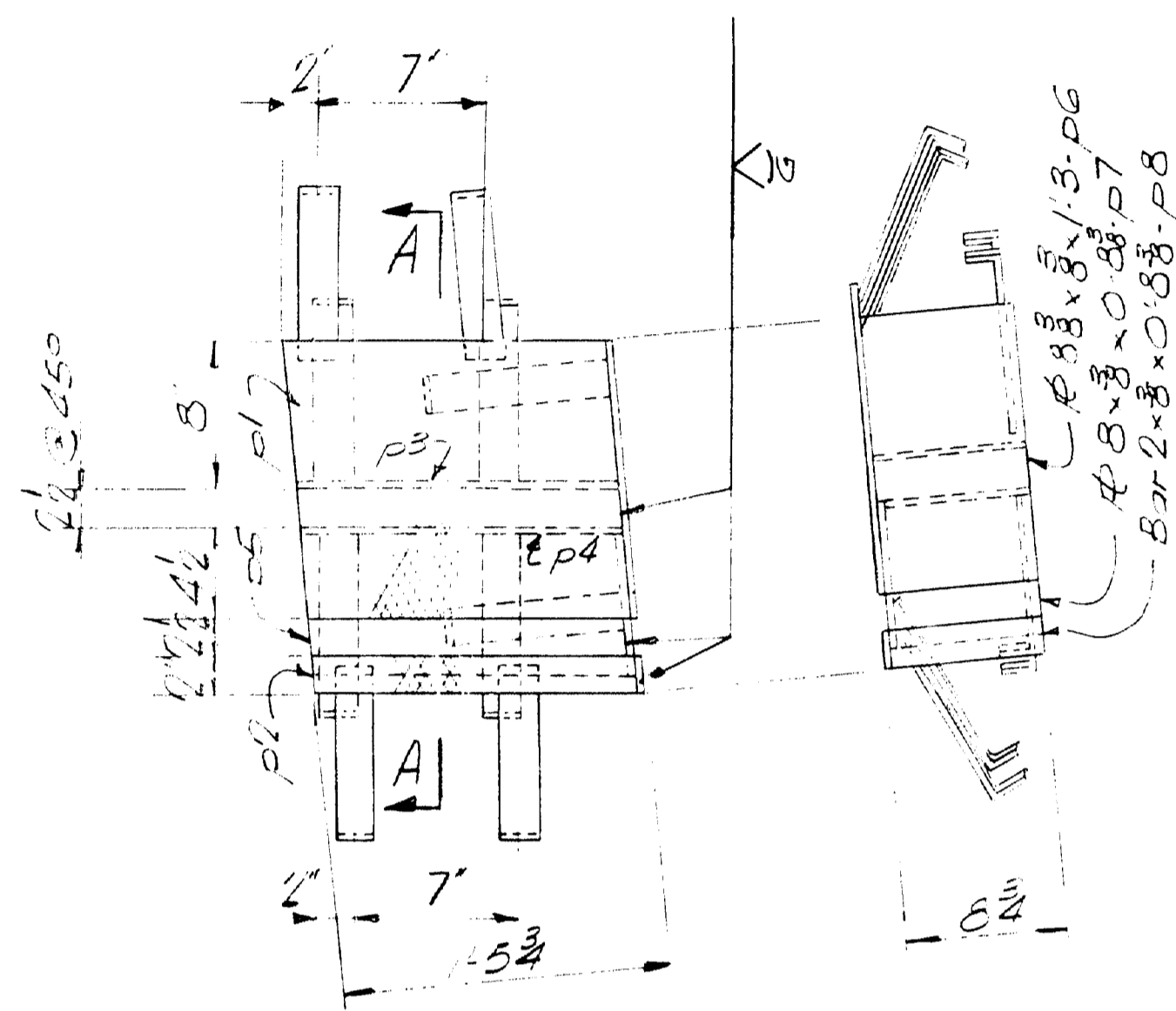
SHOP CONNECTIONS: Welds
 FIELD CONNECTIONS: Welds
 HOLES: As Noted
 PAINT: Per State of Maine Specs.
 Red Lead

EXPANSION DAM-AEUT #2
 Hancock & Martin Inc.
 South Portland, Maine
 NEW MEADOWS ROAD BRIDGE
 WEST BATH, MAINE
 CUSTOMER: REED & REED
 DESIGNER: MAINE S.H.C. BRIDGE DIV.
 ORDER NO. VERBAL DWG. NO. 64-348-511

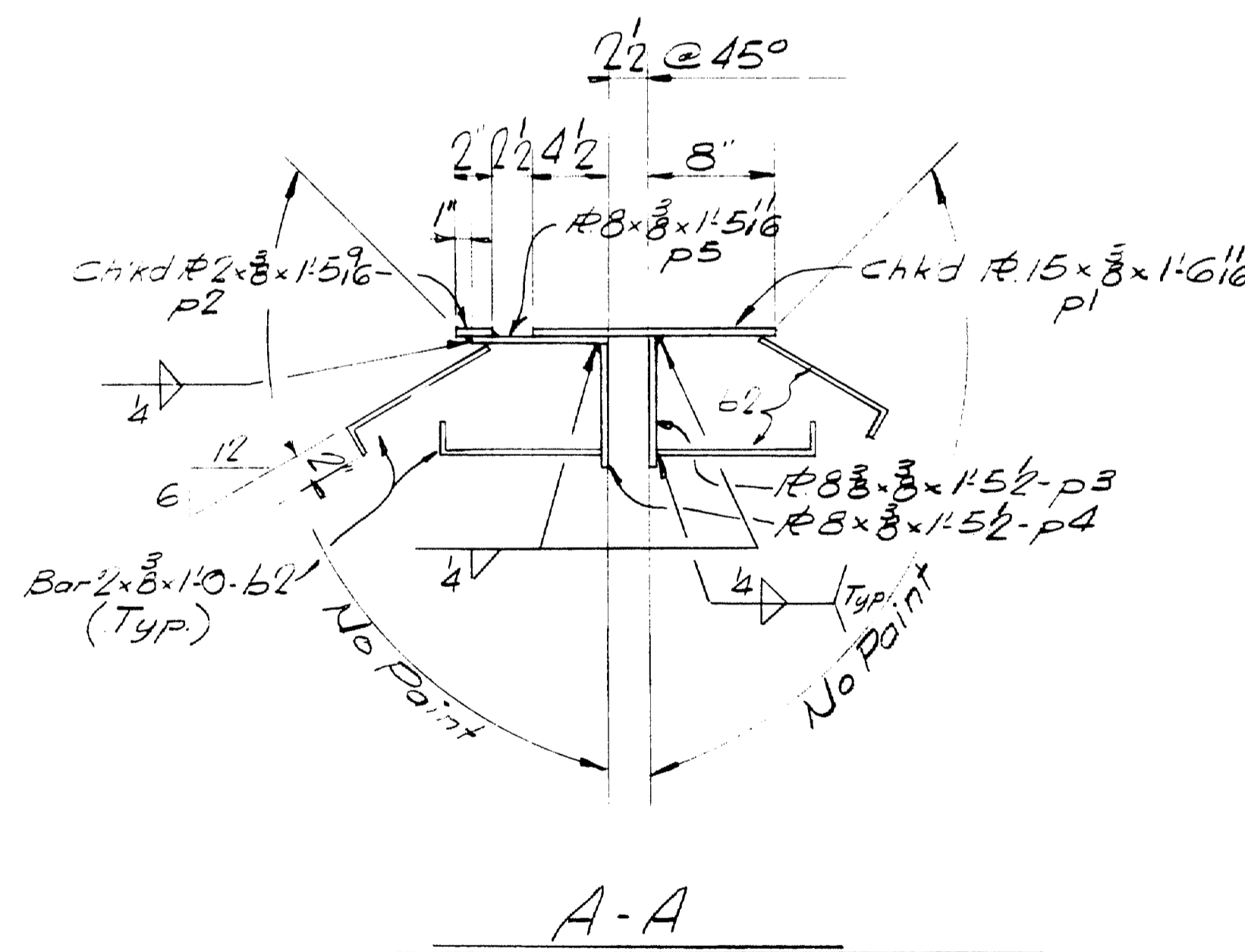
DRAWN	10-28-64	J.P.F.
REVISION		
REVISION		
REVISION		



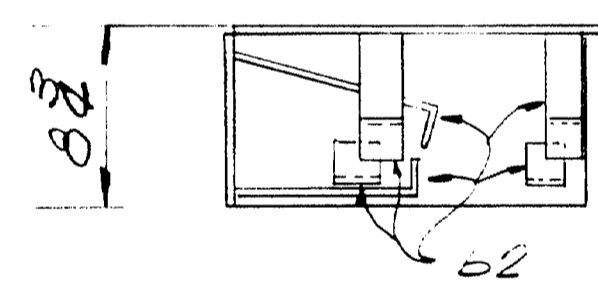
94-60



SD1-ONE REGD.



A-A



SD2-ONE REGD.

SHIP		BILL OF MATERIAL				DWG. NO. 64-348-512
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
SD1	1		ASSEMBLY			
SD2	1		DO			
	2	p1	#8 x 8	1.61		
	2	p2	#8 x 8	1.56		
	2	p3	#8 x 8	1.52		
	2	p4	#8 x 8	1.52		
	2	p5	#8 x 8	1.56		
	2	p6	#8 x 8	1.5		
	2	p7	#8 x 8	0.38		
	2	p8	#8 x 8	0.38		
	24	b2	3/8 x 8	1.0		

A.S.M. Desig. A-50

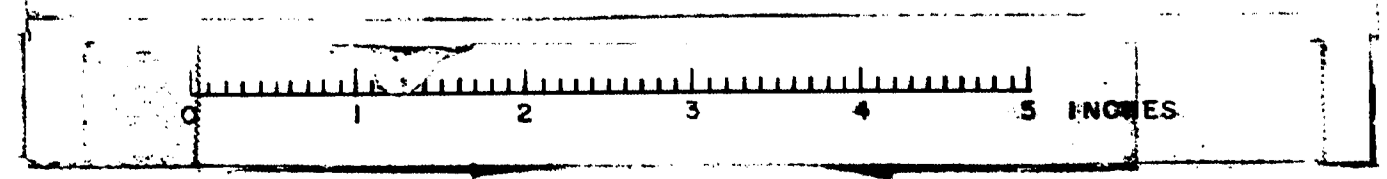
Rev. 102-103-2

SHOP CONNECTIONS: Red Lead
 FIELD CONNECTIONS:
 HOLES:
 PAINT: Red Store of Maine Spills.
 Red Lead.

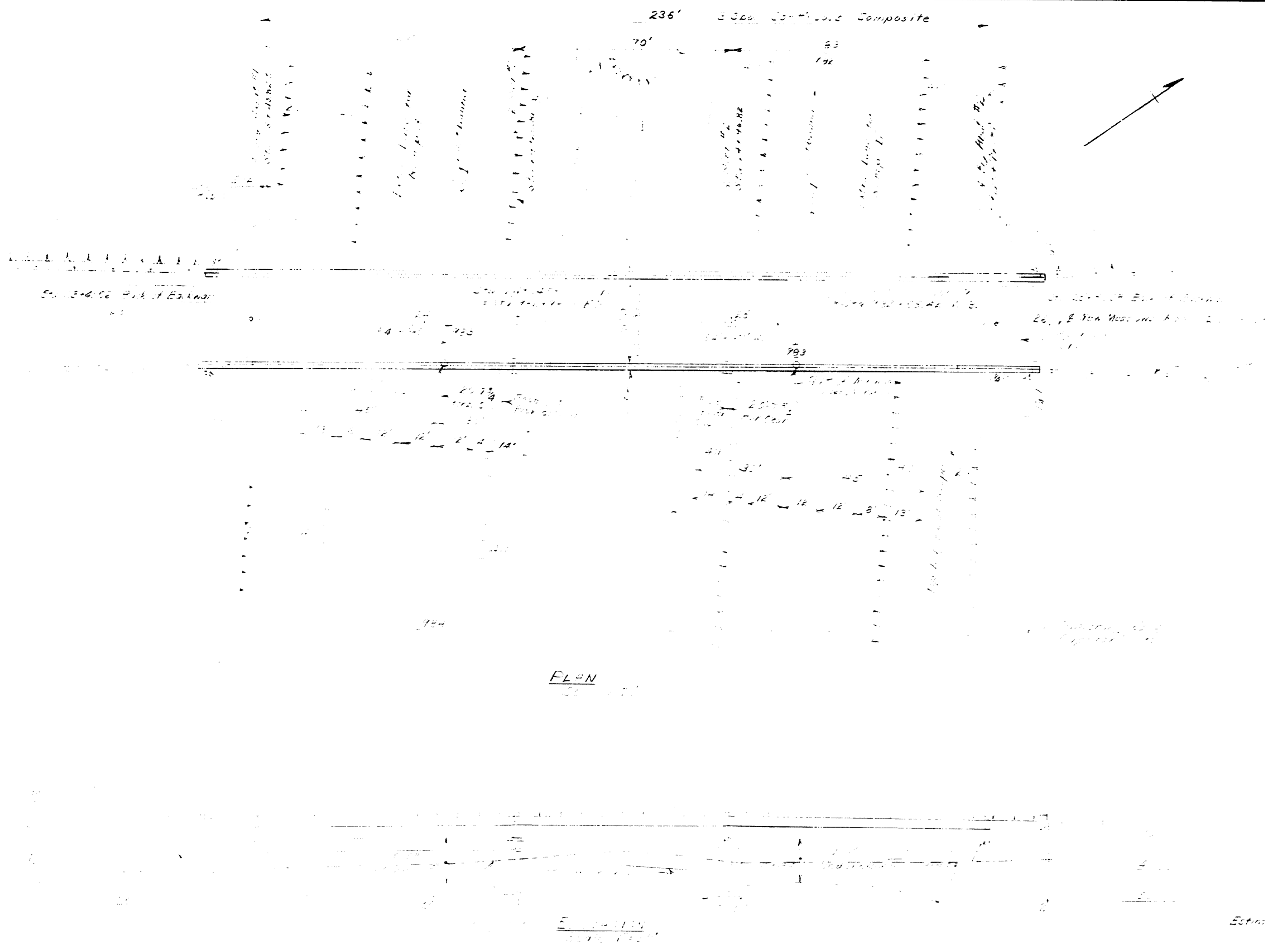
EXPANSION JOINTS - SIDEWALK
 Hancock & Martin, Inc.
 South Portland, Maine
 NEW MEADOWS ROAD BRIDGE
 WEST BATH, MAINE
 CUSTOMER: REED & REED
 DESIGNER: MAINE S.H.C. BRIDGE DIV.
 ORDER NO. VERBAL DWG. NO. 64-348-512

DRAWN	10-28-64 J.P.F.
REVISION	
REVISION	
REVISION	

94-61



B.P.R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	FC26-1(22)	25	187



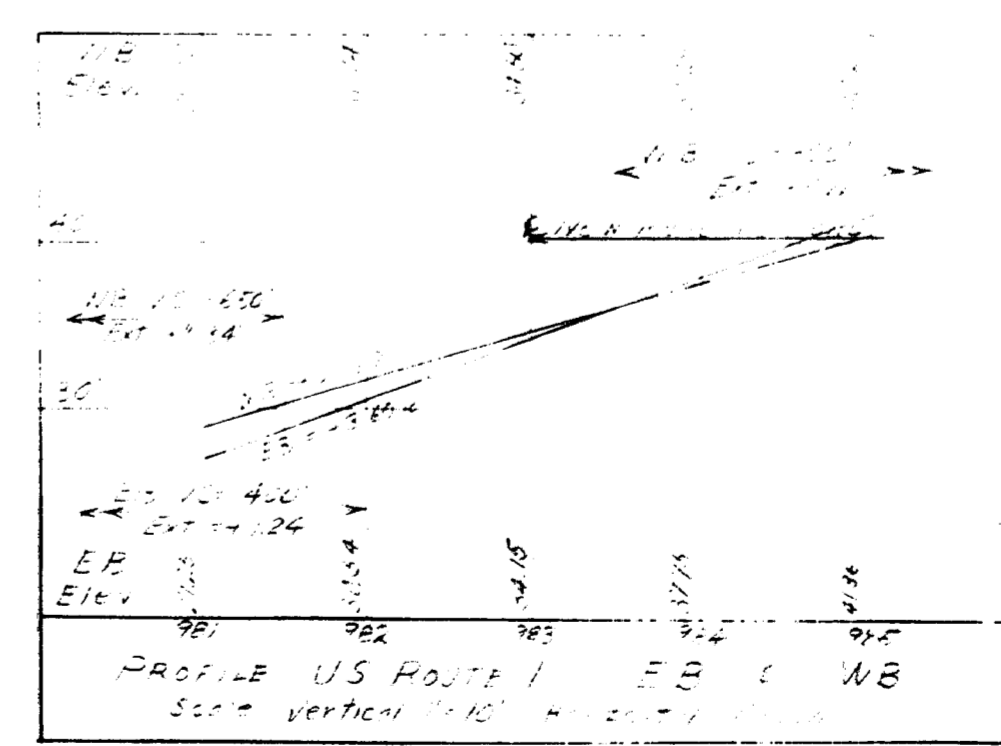
DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL
Structural Steel, Flange & Web	1.15	Lump Sum		
Structural Steel, Beam	1.2	Lump Sum		
Structural Steel, Column	1.3	Lump Sum		
Reinforcing Steel, Column	1.4	6. 2.1		
Reinforcing Steel, Beam	1.5	100. 860		
Steel Decking	1.6	100. 000		
Bridge Pile	1.7	100. 000		
Membrane Waterproofing	1.8	100. 000		
Decking Material	1.9	100. 000		
Structural Steel, Top Flange	2.0	536		
Structural Steel, Top Flange	2.1	21		

Estimated Weight of Structural Steel - 100,000 lb.

CONCRETE CLASSIFICATION
 Class "A"

REINFORCING STEEL CLASSIFICATION
 Class "A"

STRUCTURAL STEEL CLASSIFICATION
 Class "A"

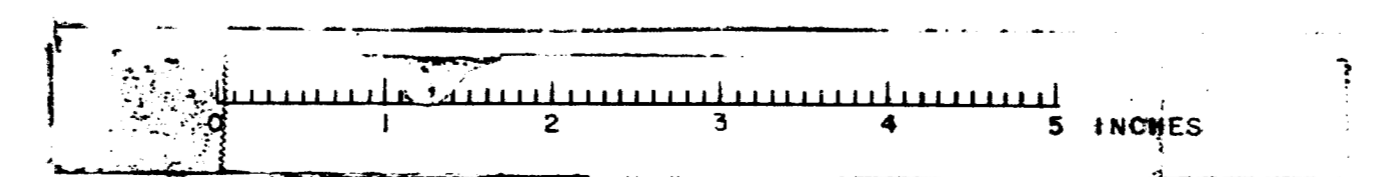


DESIGN - N. Hamlin
 TRACE - J. Hamlin
 CHECK -

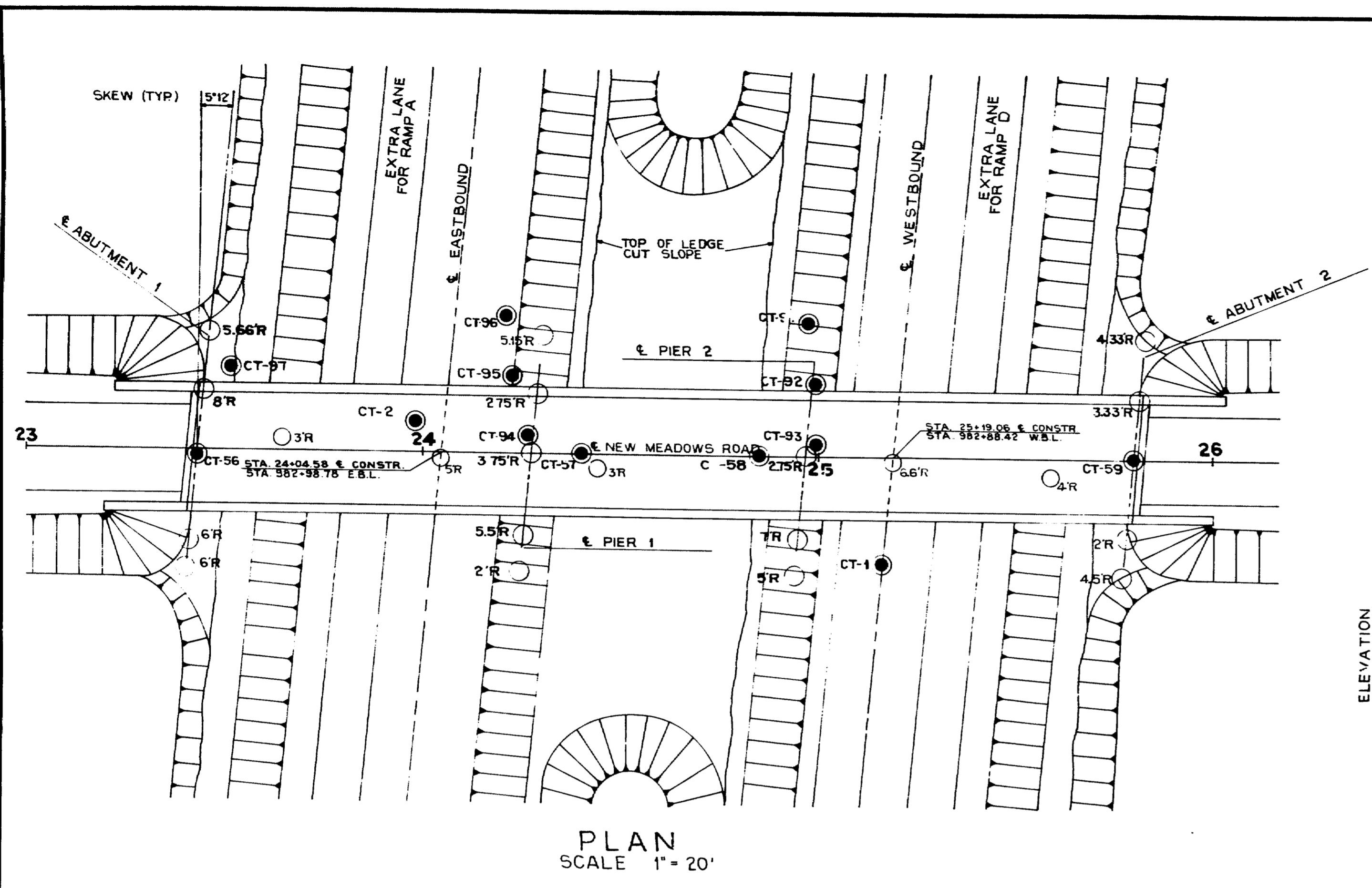
BRIDGE NO. SURVEY - 1
 PLOT -

STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
NEW MEADOWS ROAD BRIDGE
 OVER
ROUTE US-1
 IN THE TOWN OF
WEST BATH
SAGadahoc COUNTY
 GENERAL PLAN & QUANTITIES
 SHEET OF - AUGUSTA, MAINE FEB. 1964

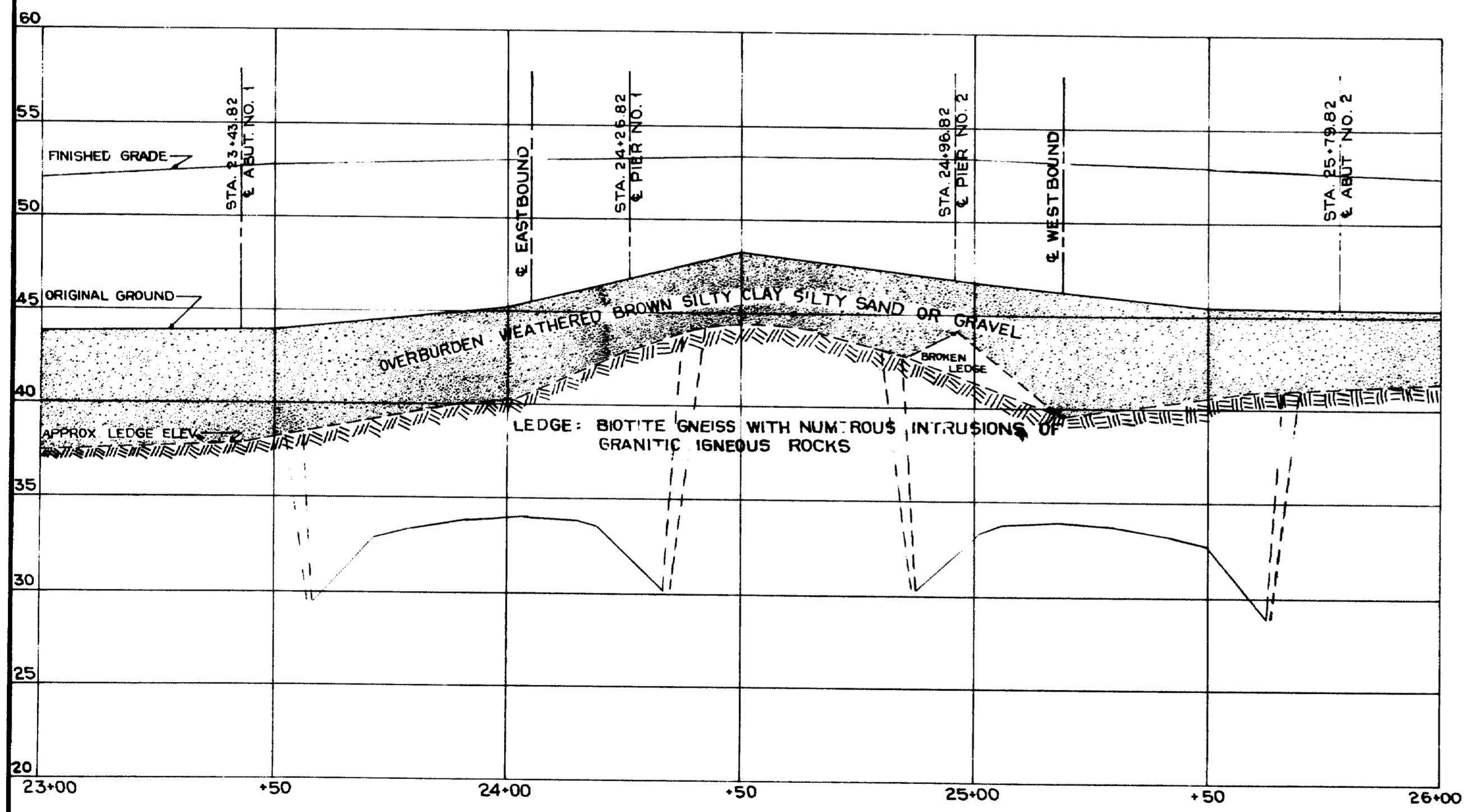
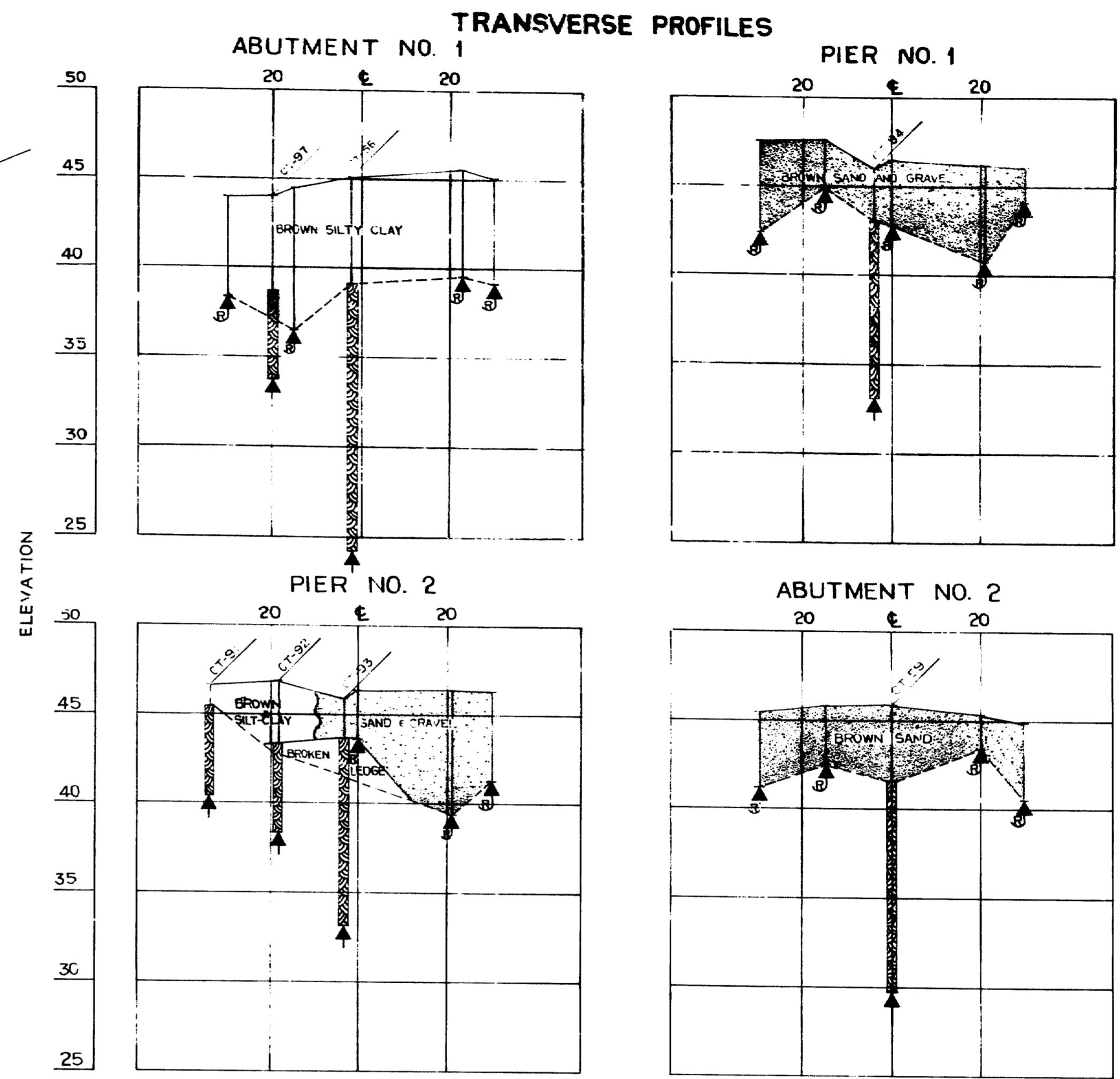
M-2379



S. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F.026-1129	21	187



PLAN
SCALE 1" = 20'

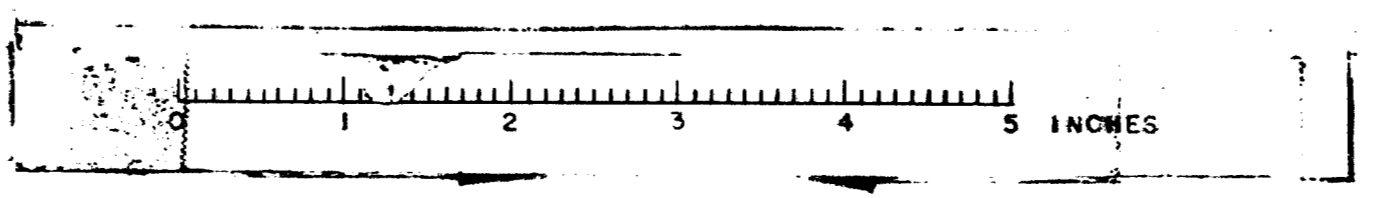


PLAN NOTES
 ○ ROD REFS (R DENOTES REFS ON RODS)
 ● WASH BOPING

DESIGN -	BRIDGE NO. SURVEY -
TRACE -	PLOT -
CHECK -	

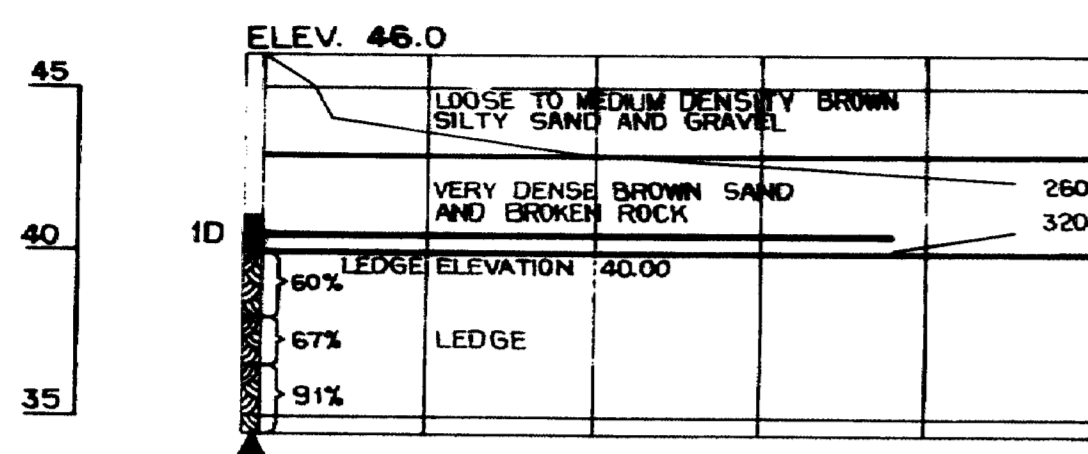
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

NEW MEADOWS ROAD BRIDGE
 OVER U.S. 1
 IN THE TOWN OF
WEST BATH
 SAGadahoc COUNTY
 FOUNDATION SURVEY



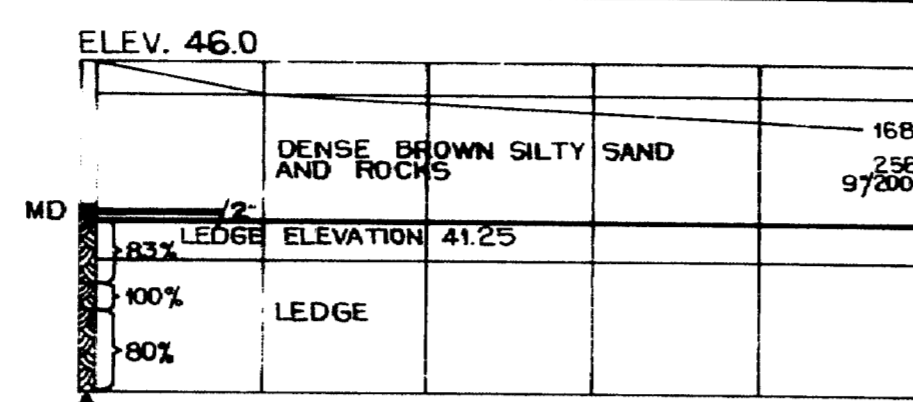
BORING CT-1 STA. 25+16 27'RT.

DRIVING RESISTANCE		Blows/Ft.	
20	40	60	80



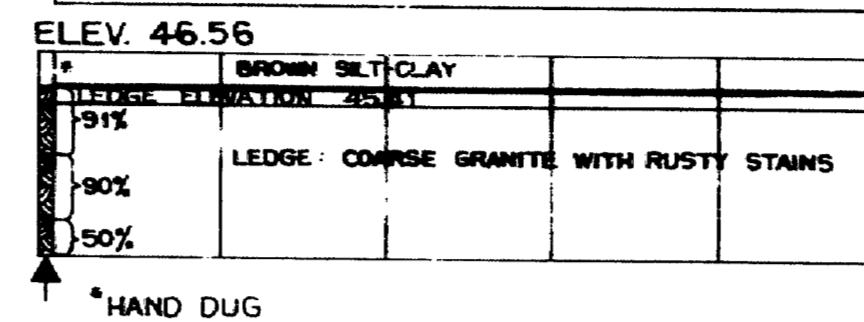
BORING CT-2 STA. 23+98 7'LT.

DRIVING RESISTANCE		Blows/Ft.	
20	40	60	80



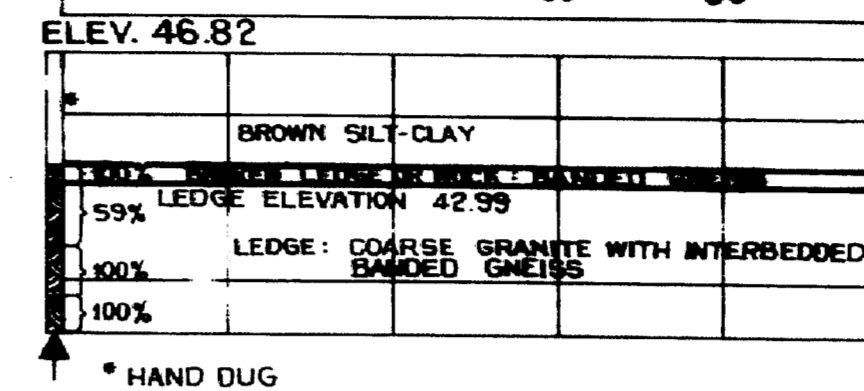
BORING CT-91 STA. 24+96 33'LT.

DRIVING RESISTANCE		Blows/Ft.	
20	40	60	80



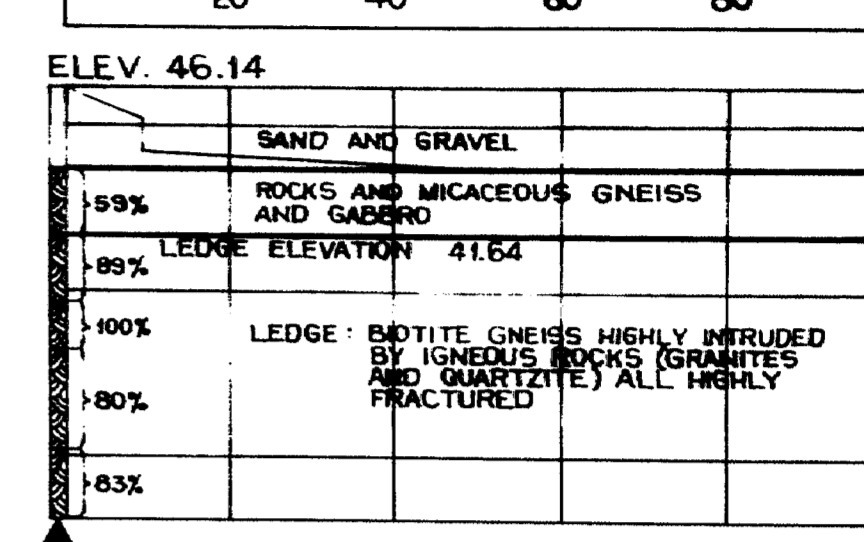
BORING CT-92 STA. 24+99 18'LT.

DRIVING RESISTANCE		Blows/Ft.	
20	40	60	80



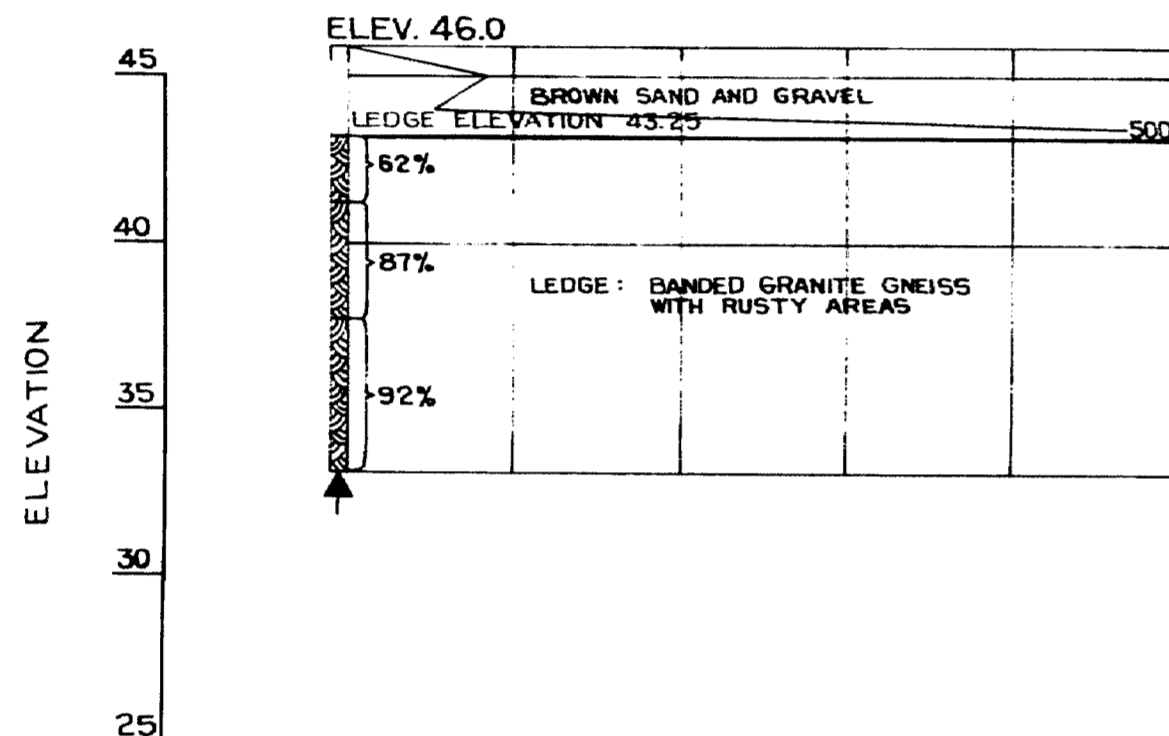
BORING CT-93 STA. 24+99 3'LT.

DRIVING RESISTANCE		Blows/Ft.	
20	40	60	80



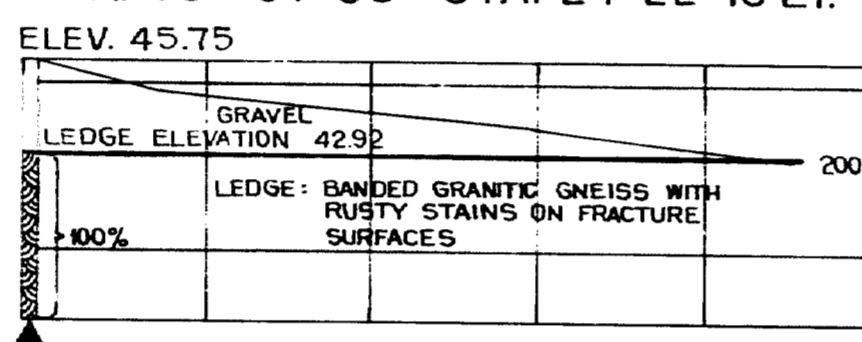
BORING CT-94 STA. 24+26 4'LT.

DRIVING RESISTANCE		Blows/Ft.	
20	40	60	80



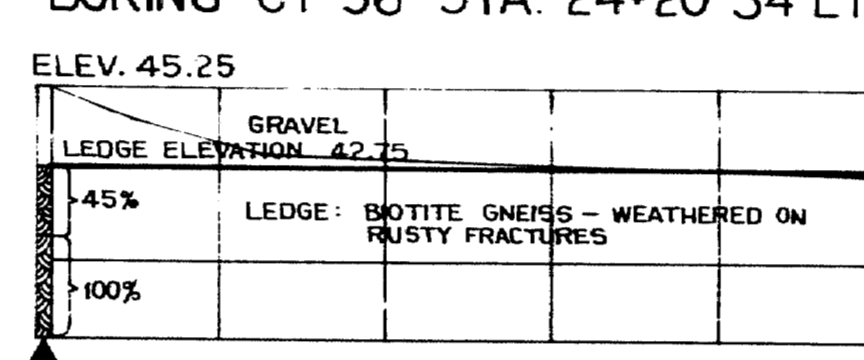
BORING CT-95 STA. 24+22 19'LT.

DRIVING RESISTANCE		Blows/Ft.	
20	40	60	80



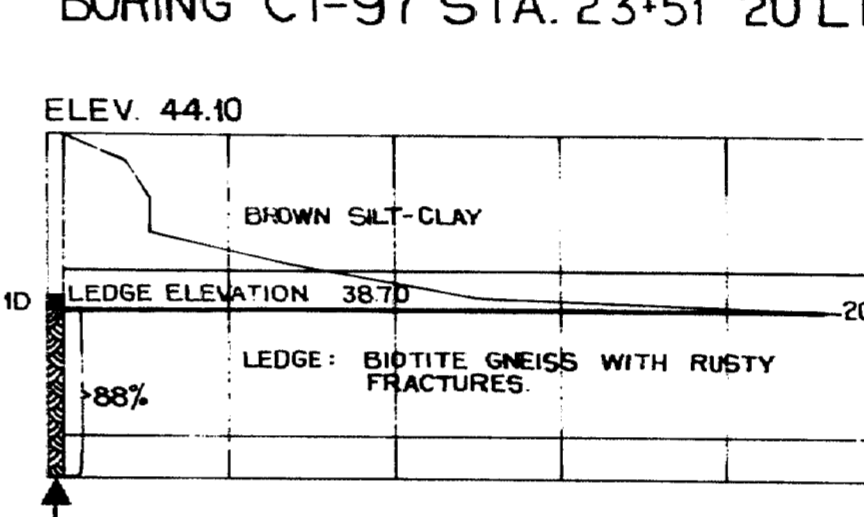
BORING CT-96 STA. 24+20 34'LT.

DRIVING RESISTANCE		Blows/Ft.	
20	40	60	80



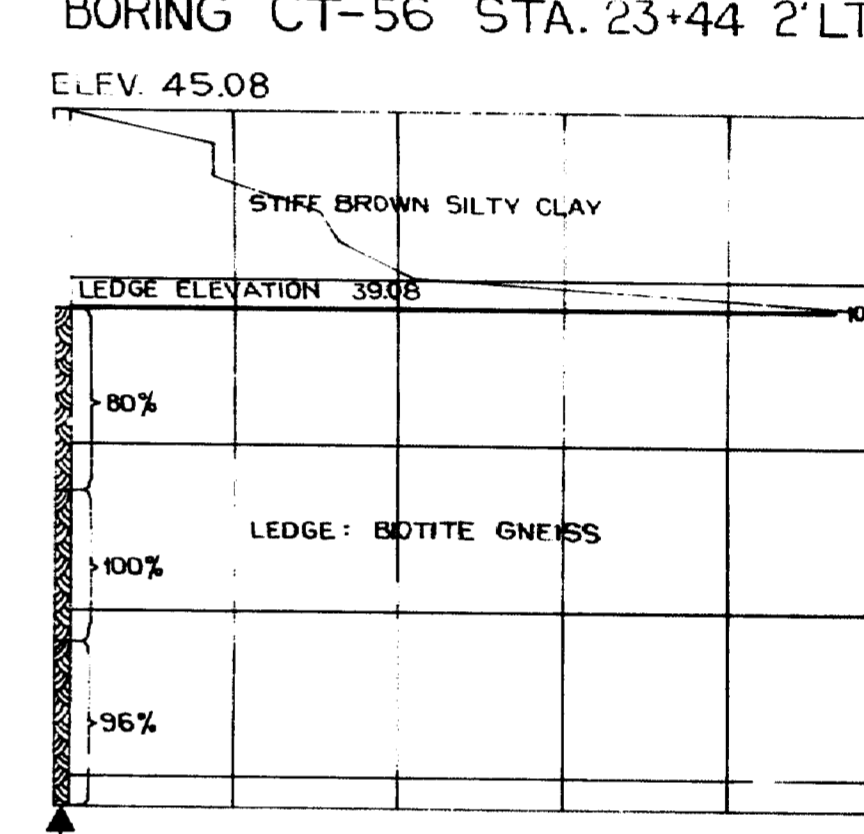
BORING CT-97 STA. 23+51 20'LT.

DRIVING RESISTANCE		Blows/Ft.	
20	40	60	80



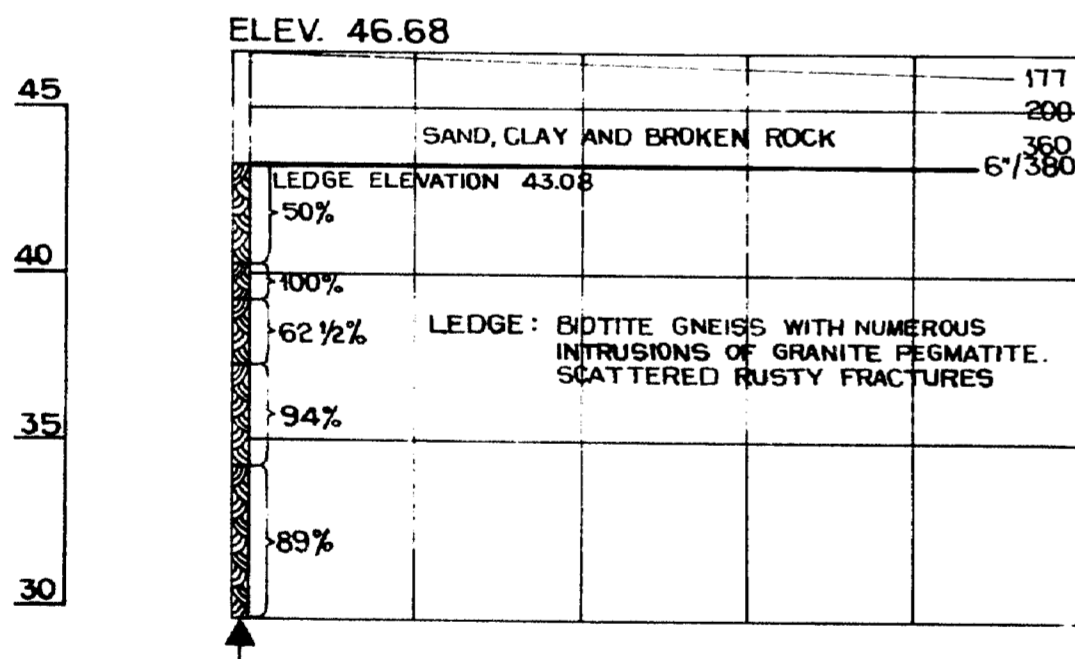
BORING CT-56 STA. 23+44 2'LT.

DRIVING RESISTANCE		Blows/Ft.	
20	40	60	80



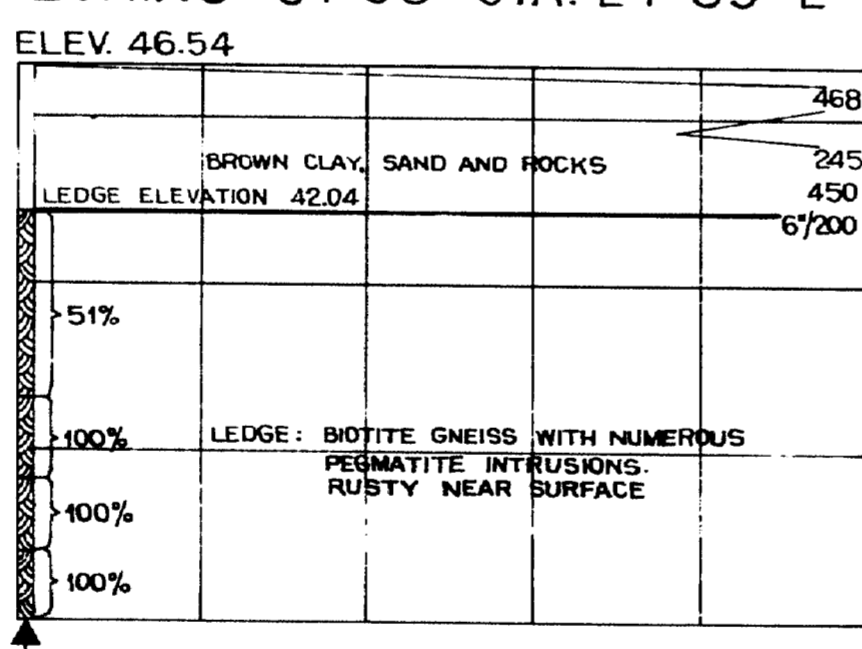
BORING CT-57 STA. 24+40 4'LT.

DRIVING RESISTANCE		Blows/Ft.	
20	40	60	80



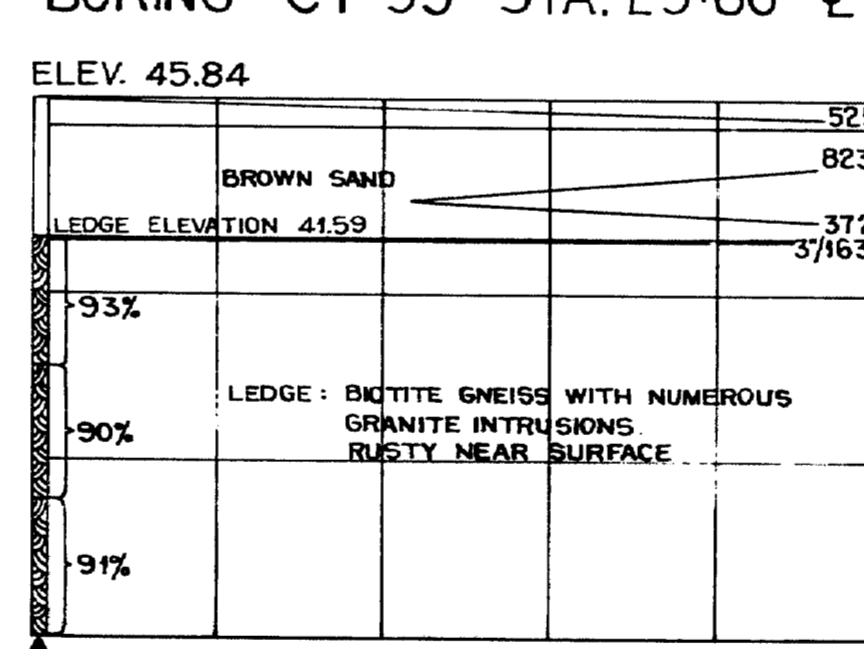
BORING CT-58 STA. 24+85 4'LT.

DRIVING RESISTANCE		Blows/Ft.	
20	40	60	80



BORING CT-59 STA. 25+80 4'LT.

DRIVING RESISTANCE		Blows/Ft.	
20	40	60	80



BORING NOTES

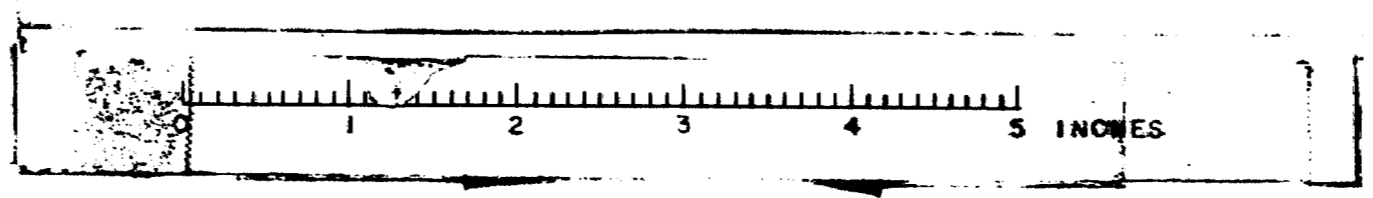
- ALL SAMPLES AND VANES ARE MADE AHEAD OF CASING
- NUMBER OF BLOWS REQUIRED TO DRIVE EXTRA HEAVY CASING ONE FOOT WITH 400 FT. LBS. OF ENERGY PER BLOW.
- LOCATION OF SAMPLE OR SAMPLE ATTEMPT
- NUMBER AND TYPE OF DRY SAMPLE
- 1D S+H SAMPLER #1290'S
- MD UNSUCCESSFUL SAMPLE ATTEMPT AND TYPE OF SAMPLER
- NUMBER OF BLOWS REQUIRED TO DRIVE SPOON DR TUBING ONE FOOT WITH 350 FT. LBS. OF ENERGY PER BLOW.
- ▲ BOTTOM OF BORING (MAY NOT BE BOTTOM OF SOIL STRATA)
- ▨ LOCATIONS CORED BY DIAMOND BIT AND PER CENT RECOVERY OF ROCK.

DESIGN -	BRIDGE NO.
TRACE -	SURVEY -
CHECK -	PLOT -

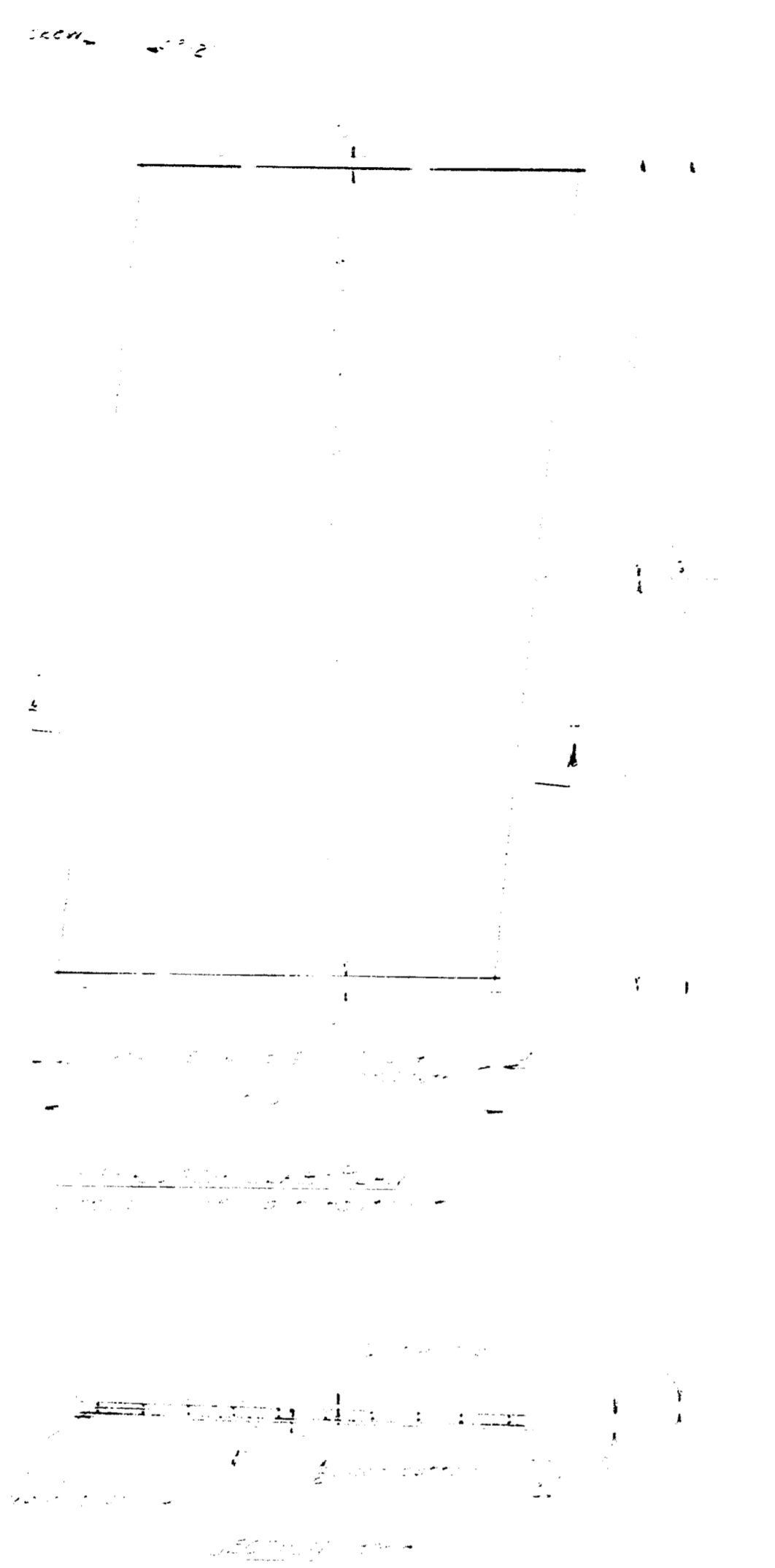
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

NEW MEADOWS ROAD BRIDGE
OVER U.S. 1
IN THE TOWN OF
WEST BATH
SAGadahoc COUNTY
BORING DETAILS

M-2381



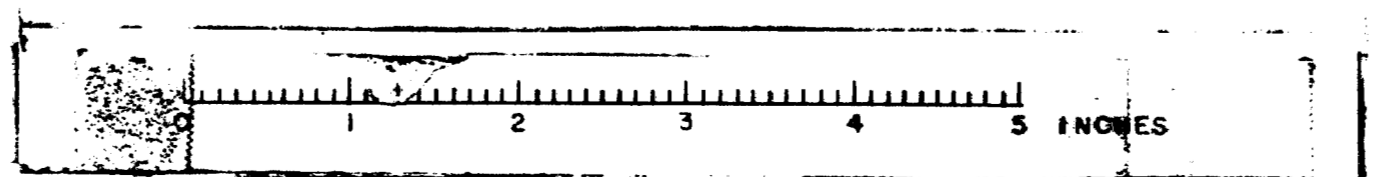
S. P. R. REC. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	R-226-1129	23	187



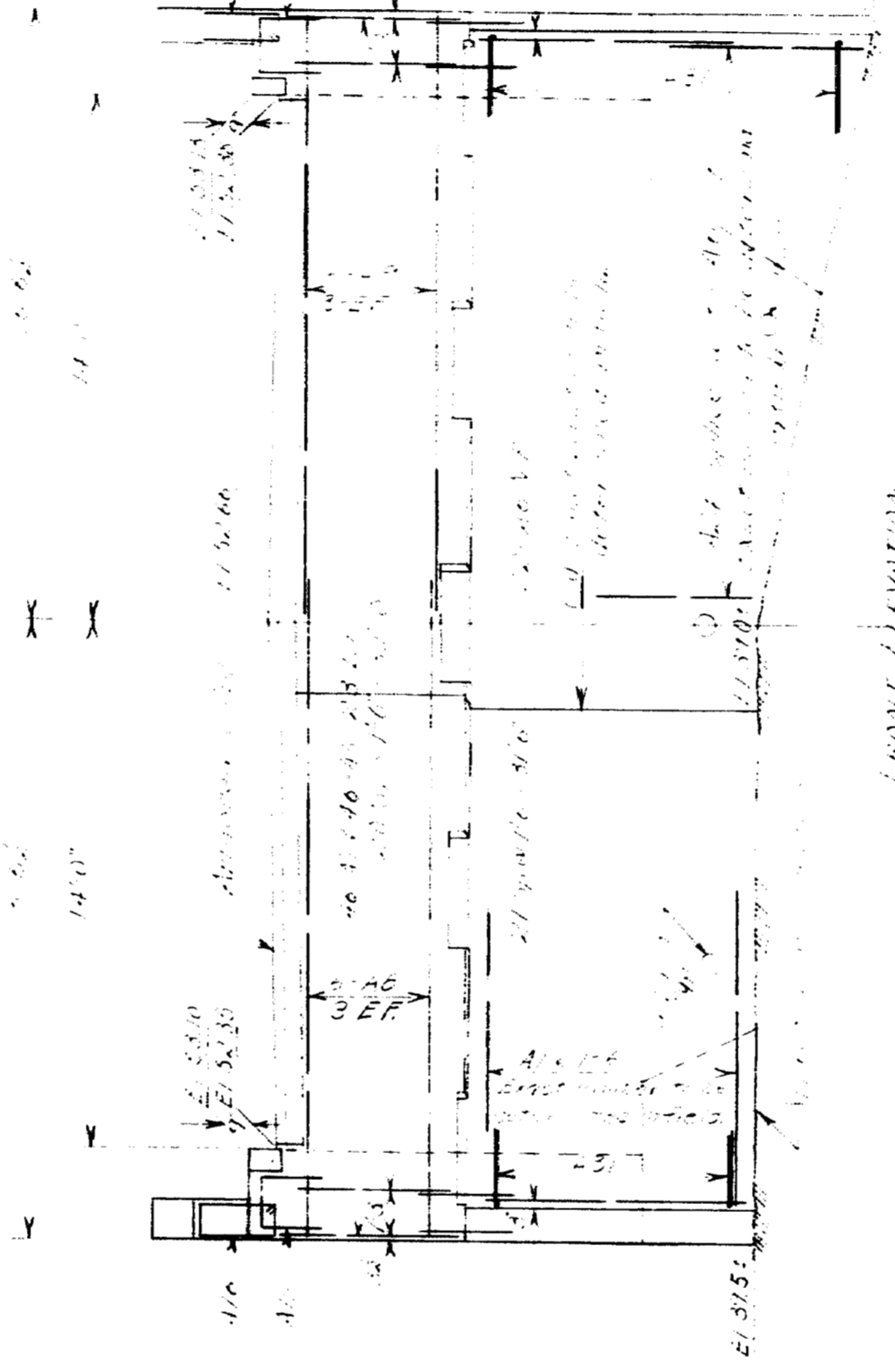
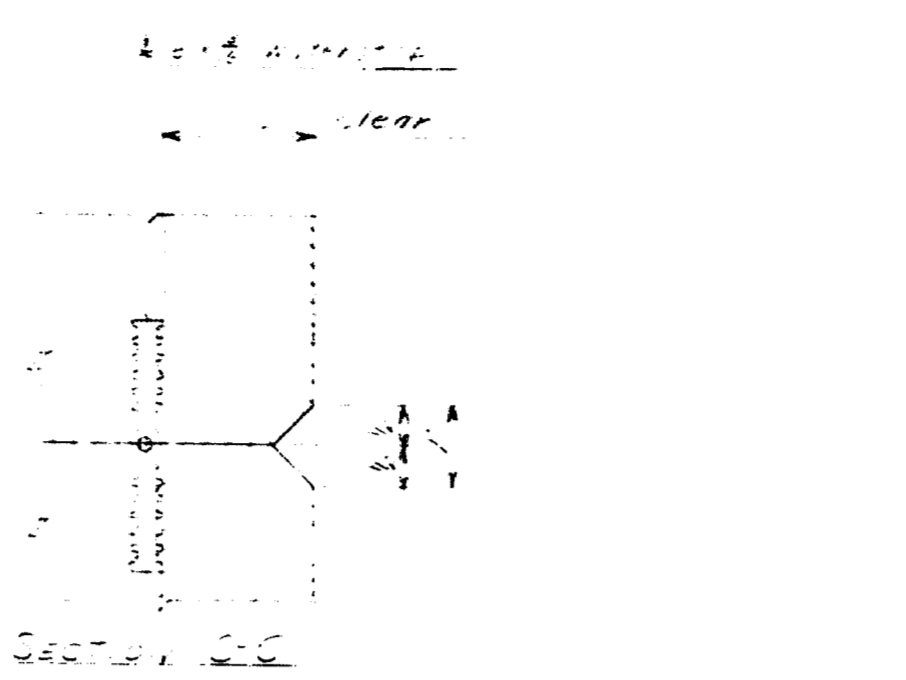
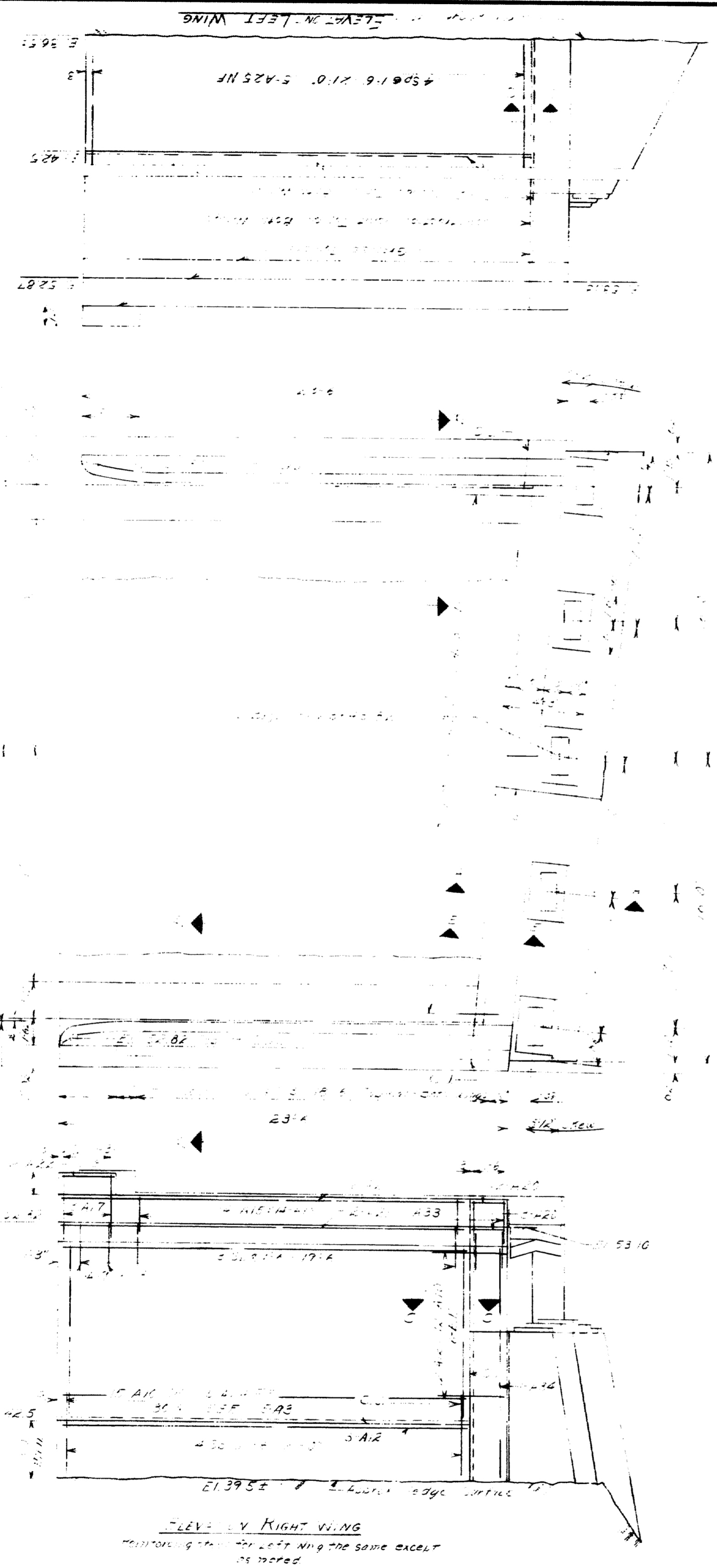
*Indicate in purchase order to be paid for
water table, 1/2" x 1/2" x 1/2" mountings, set walls.*

DESIGN- TRACE- CHECK- 224	BRIDGE NO. SURVEY- PLOT-
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NEW MEADOWS ROAD BRIDGE	
OVER ROUTE US-1 IN THE TOWN OF WEST BATH SAGadahoc COUNTY APPROACH SLABS	
SHEET 4 OF 12 AUGUSTA, MAINE FEB. 1964	

M-2382



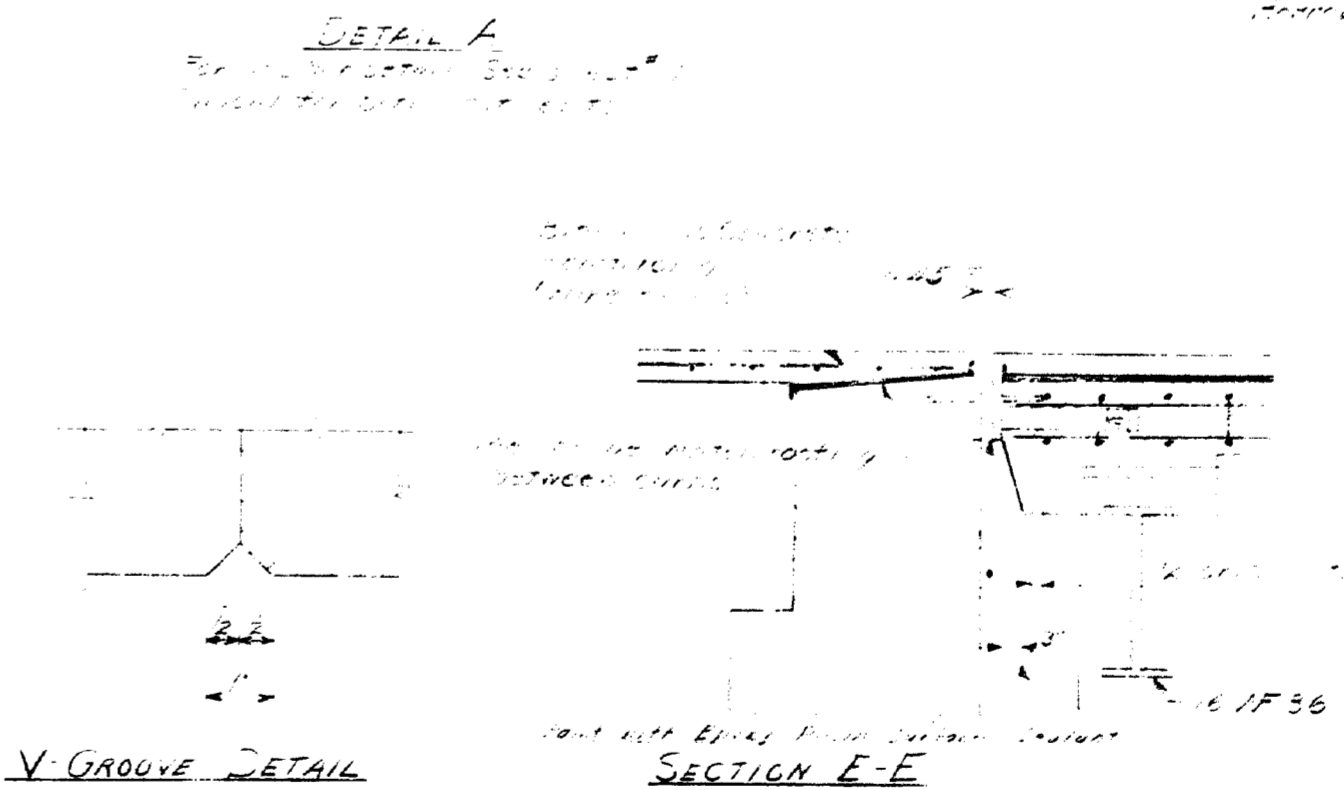
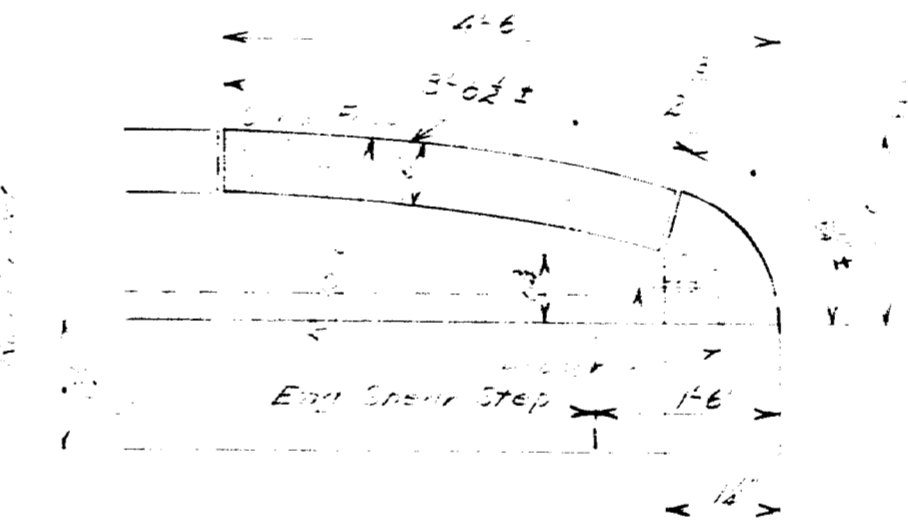
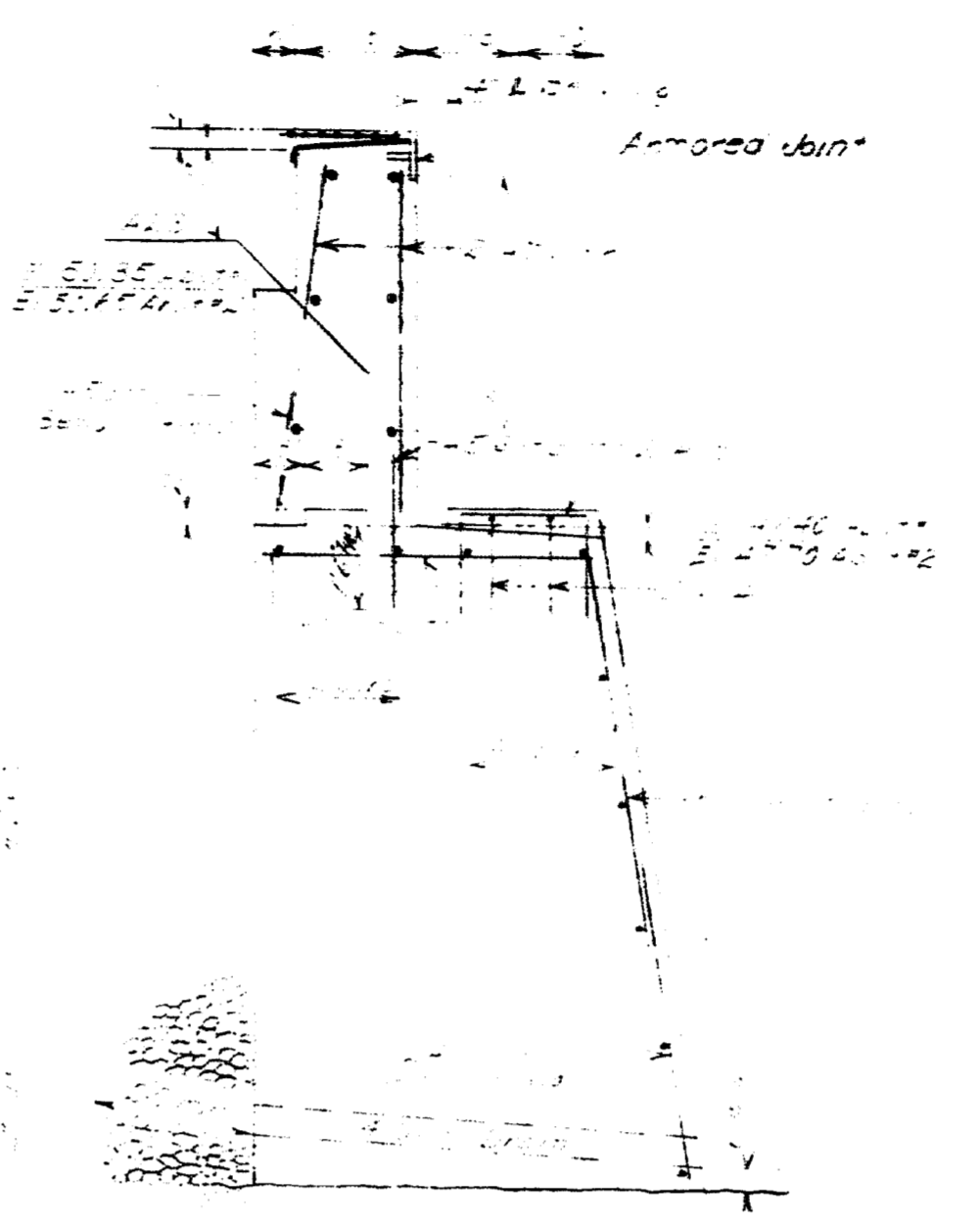
D. P. & B. INC. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-026-1125	24	127



Access to and vent with
top of heavy resting and
suitable grade of
Stimulus cement before
and after each layer

2x7 Beveled Key - 1.6" Groove below
mortared joint

PLAN
VERTICAL CONSTRUCTION JOINT - ABUT BACK WALL
TYPICAL FOR BOTH ABUTMENTS.
Break bond wall vertical construction joint
with a suitable grade of *Stimulus* mortar.



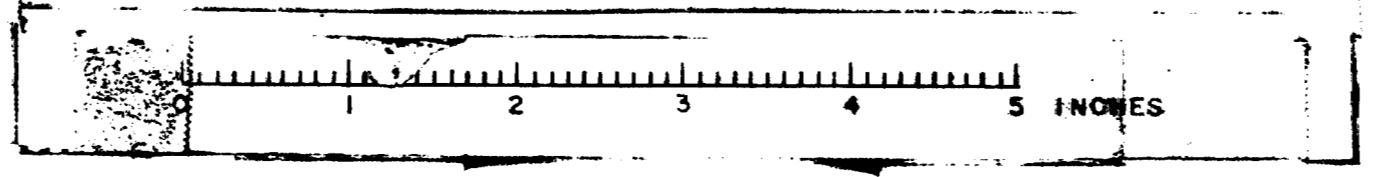
GENERAL NOTE: THESE
DRAWINGS ARE FOR THE
CONSTRUCTION OF THE
NEW MEADOWS ROAD BRIDGE
OVER ROUTE US-1 IN THE
TOWN OF WEST BATH,
SAGadahoc COUNTY,
MAINE. THE BRIDGE IS
TO BE A TWO-SPAN
CONCRETE STRUCTURE
WITH A TOTAL LENGTH
OF APPROXIMATELY
100 FEET. THE
ABUTMENTS ARE TO
BE CONSTRUCTED
OF CONCRETE AND
THE PIERS ARE TO
BE CONSTRUCTED
OF CONCRETE AND
STEEL. THE BRIDGE
IS TO BE OPEN TO
TRAFFIC ON FEBRUARY
1, 1964.

DESIGN -
TRACE -
CHECK -

BRIDGE NO.
SURVEY -
PLOT -

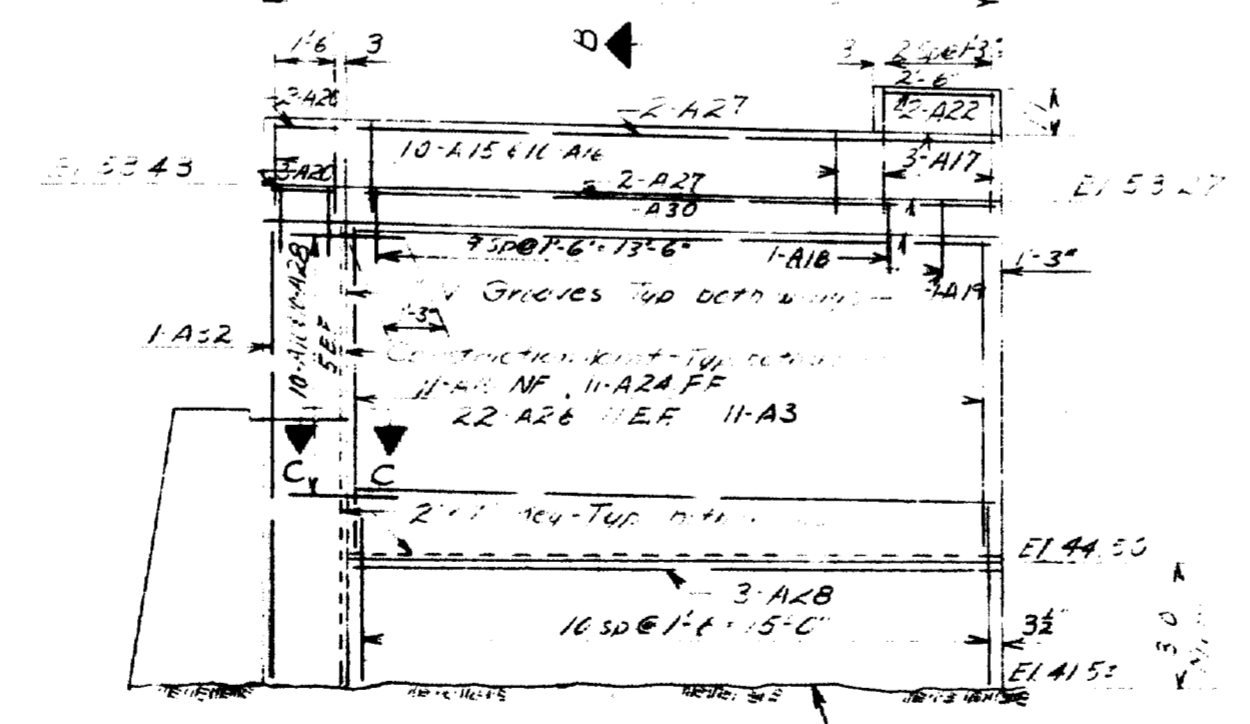
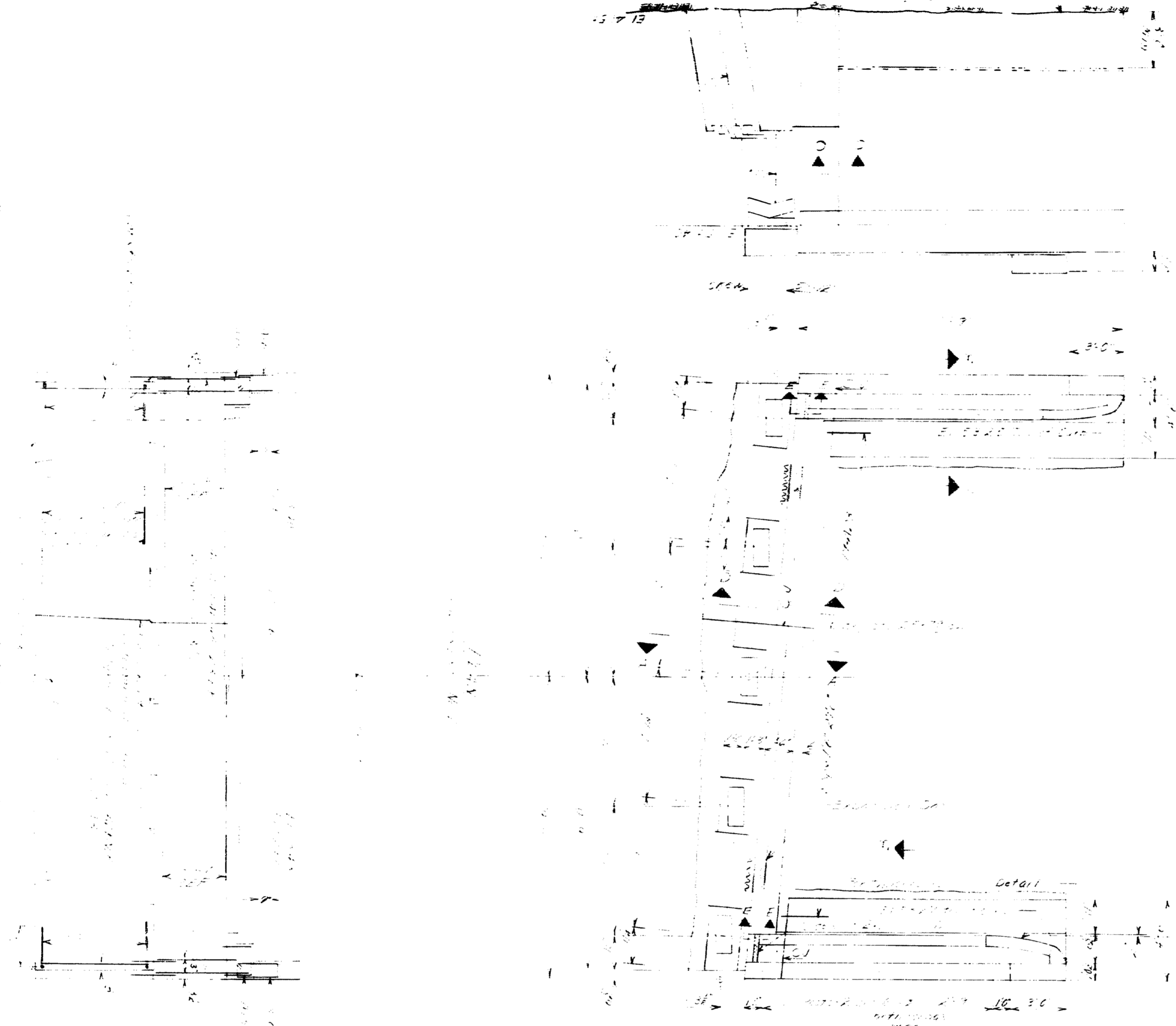
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NEW MEADOWS ROAD BRIDGE
OVER
ROUTE US-1
IN THE TOWN OF
WEST BATH
SAGadahoc COUNTY
ABUTMENT NO. 1
SHEET 24 OF 22 AUGUSTA, MAINE FEB. 1964

M-2383

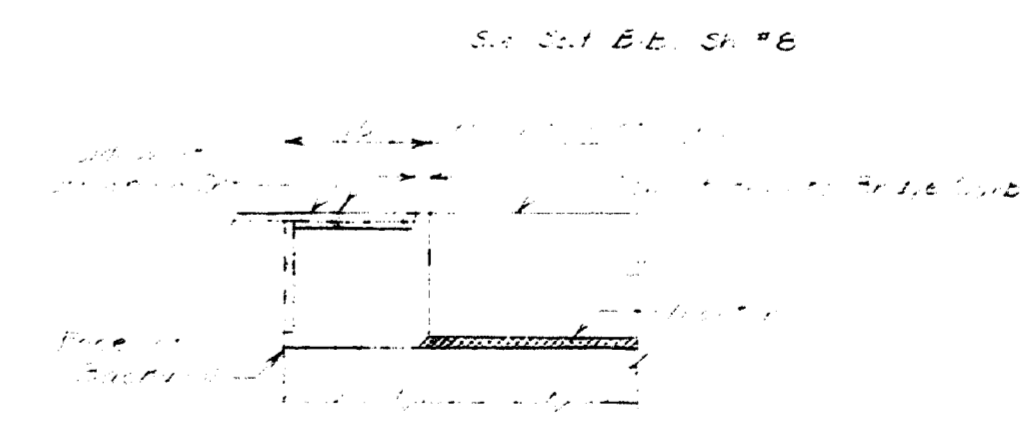
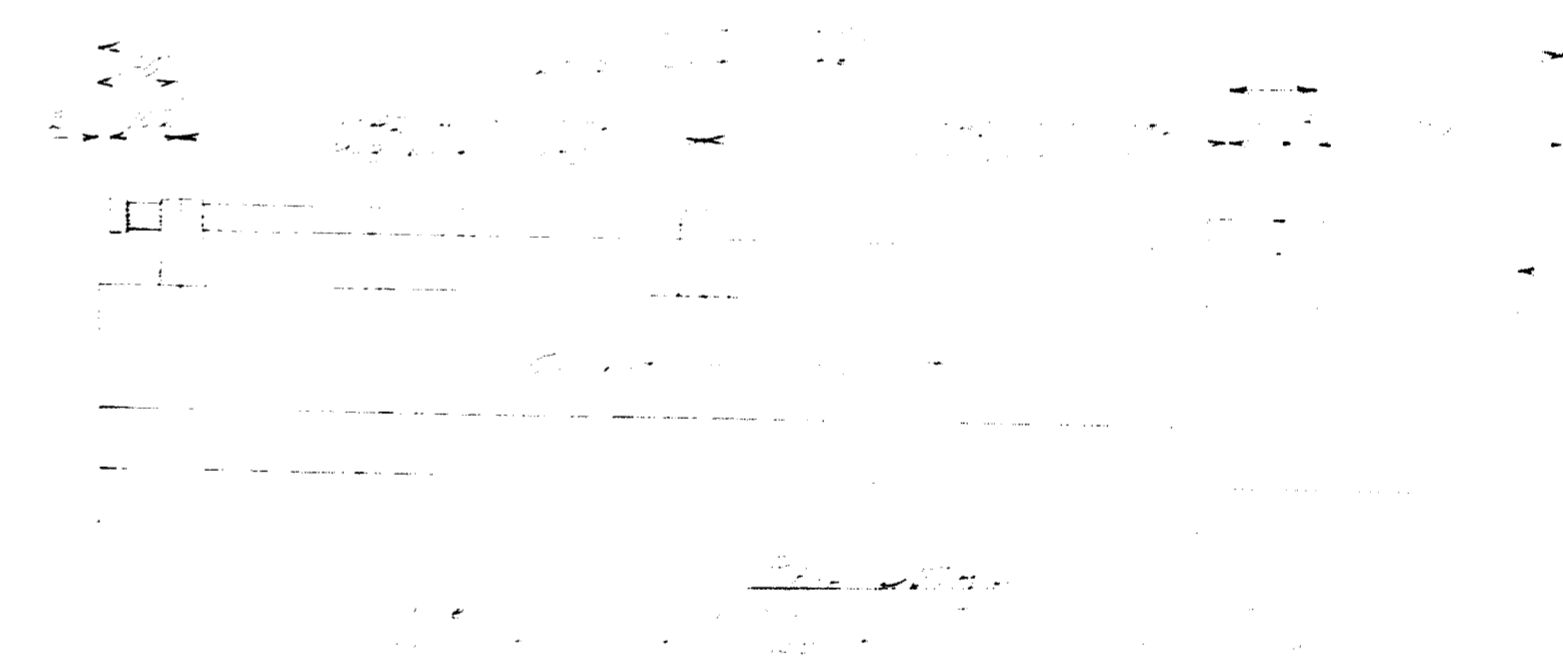
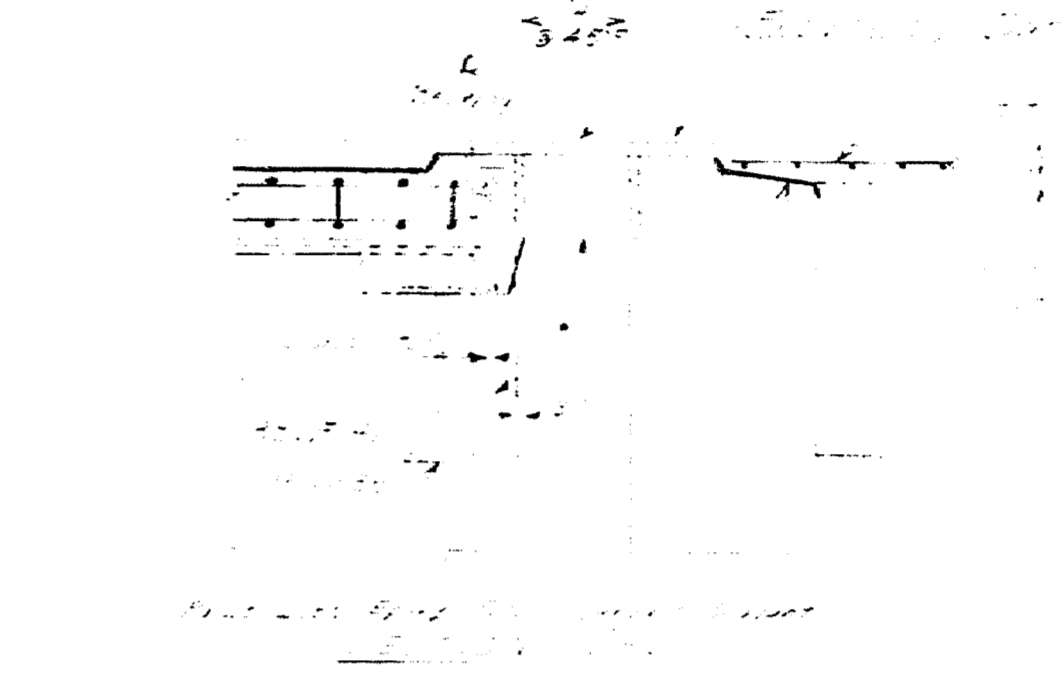


B. P. R. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-026-1(25)	25	187

LEFT WING ELEVATION
HEAD & ROAD SURFACE



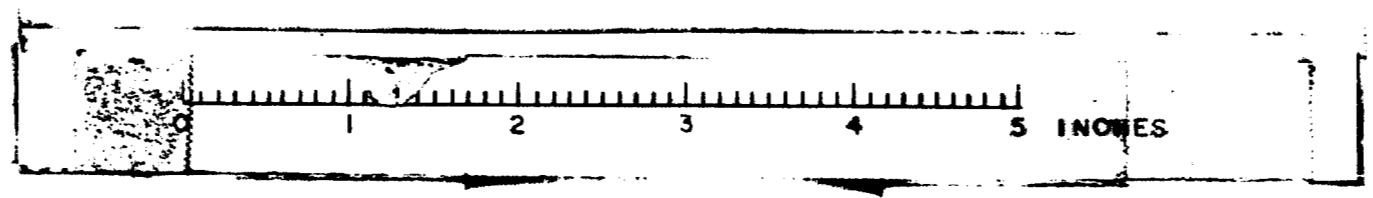
RIGHT WING - ELEVATION
Reinforcing steel for left wing the same



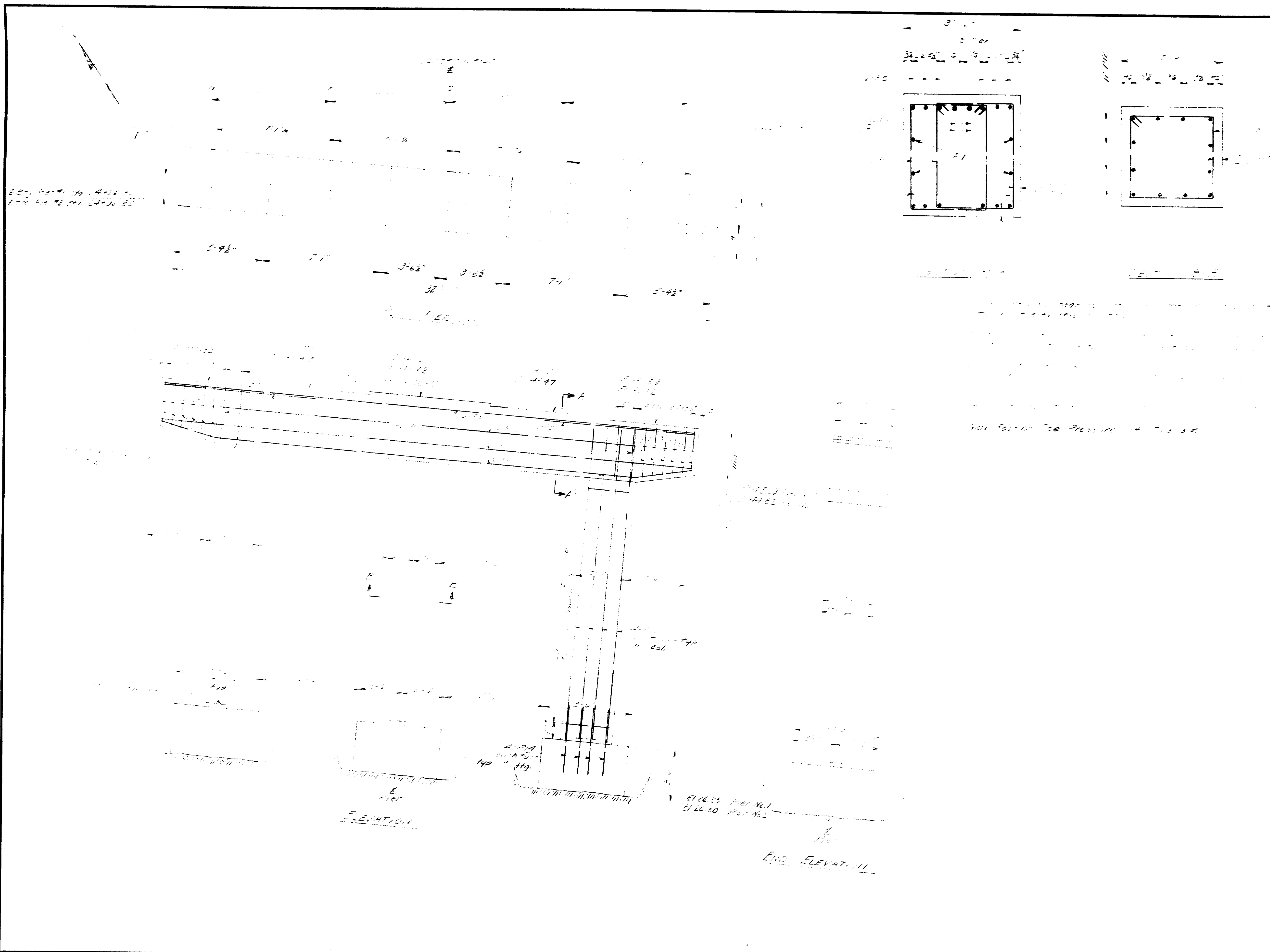
SECTION E-E

DESIGN - TRACE - CHECK - CSM	BRIDGE NO. SURVEY - PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NEW MEADOWS ROAD BRIDGE	
OVER	
ROUTE US-1	
IN THE TOWN OF	
WEST BATH	
SAGadahoc COUNTY	
ABUTMENT NO. 2	
SHEET 6 OF 2 AUGUSTA, MAINE FEB. 1964	

M-238+

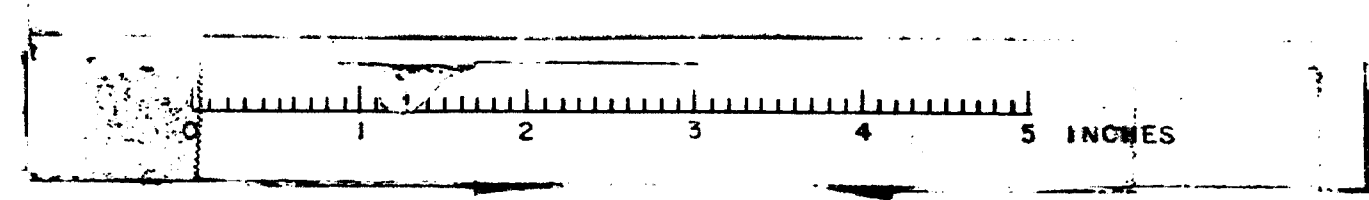


D. R. S. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	7-26-1-29	20	187

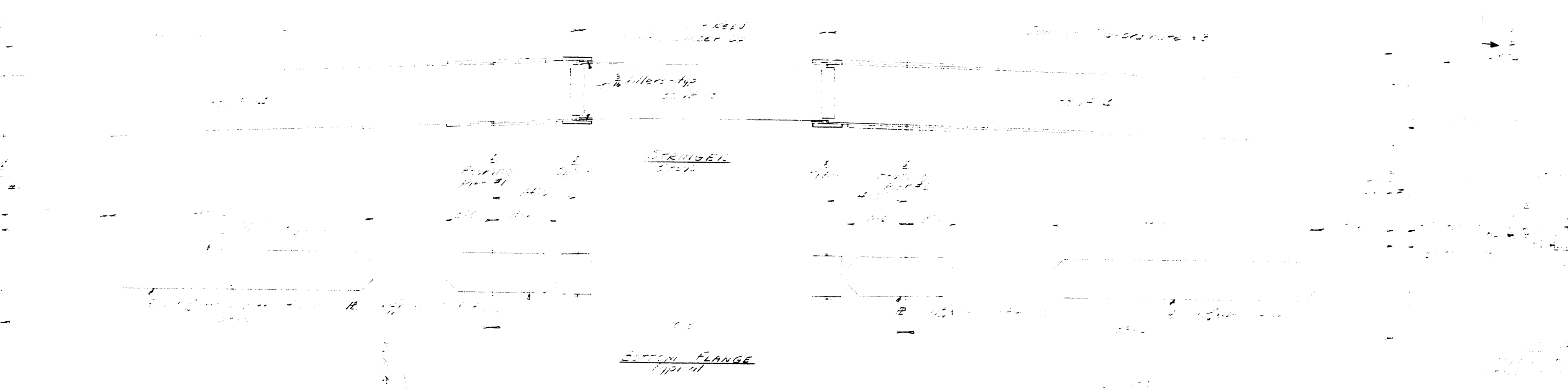
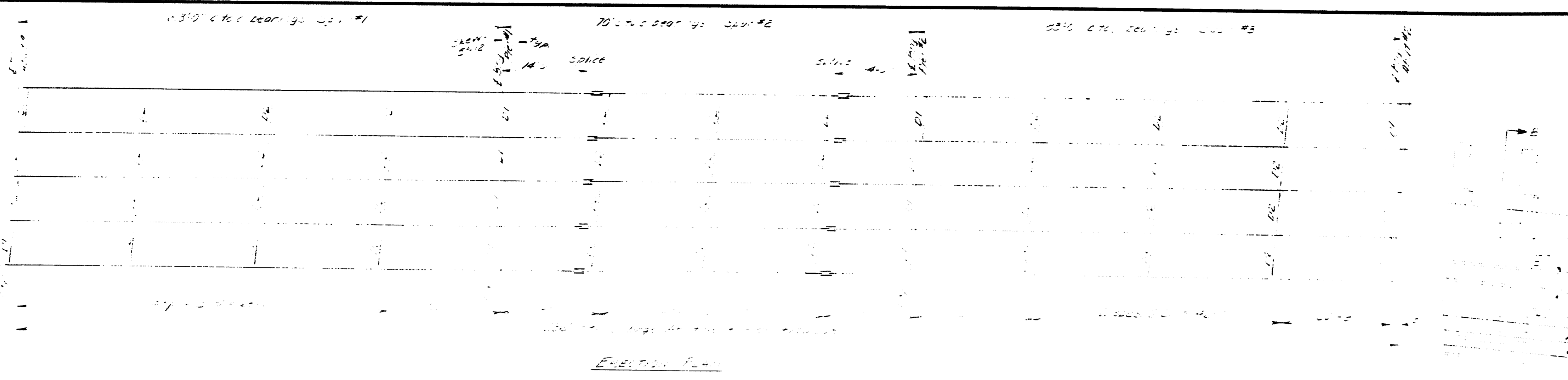


DESIGN- TRACE- CHECK-	BRIDGE NO. SURVEY- PLOT-
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NEW MEADOWS ROAD BRIDGE OVER ROUTE US-1 IN THE TOWN OF WEST BATH SAGadahoc COUNTY PIERS	
SHEET 7 OF 20 AUGUSTA, MAINE FEB. 1964	

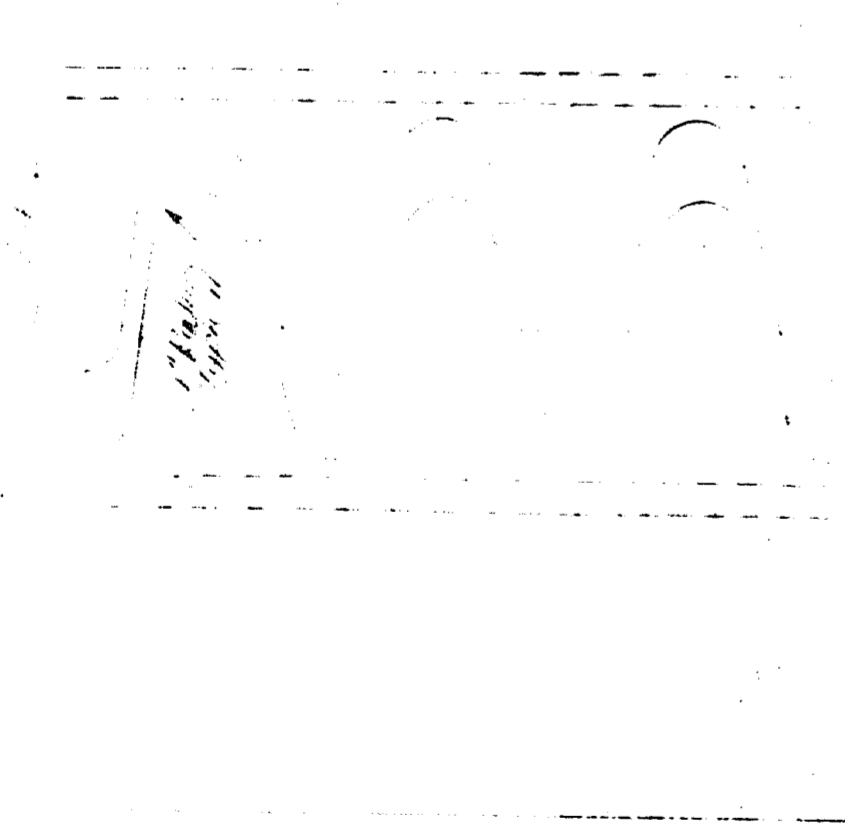
M-2385



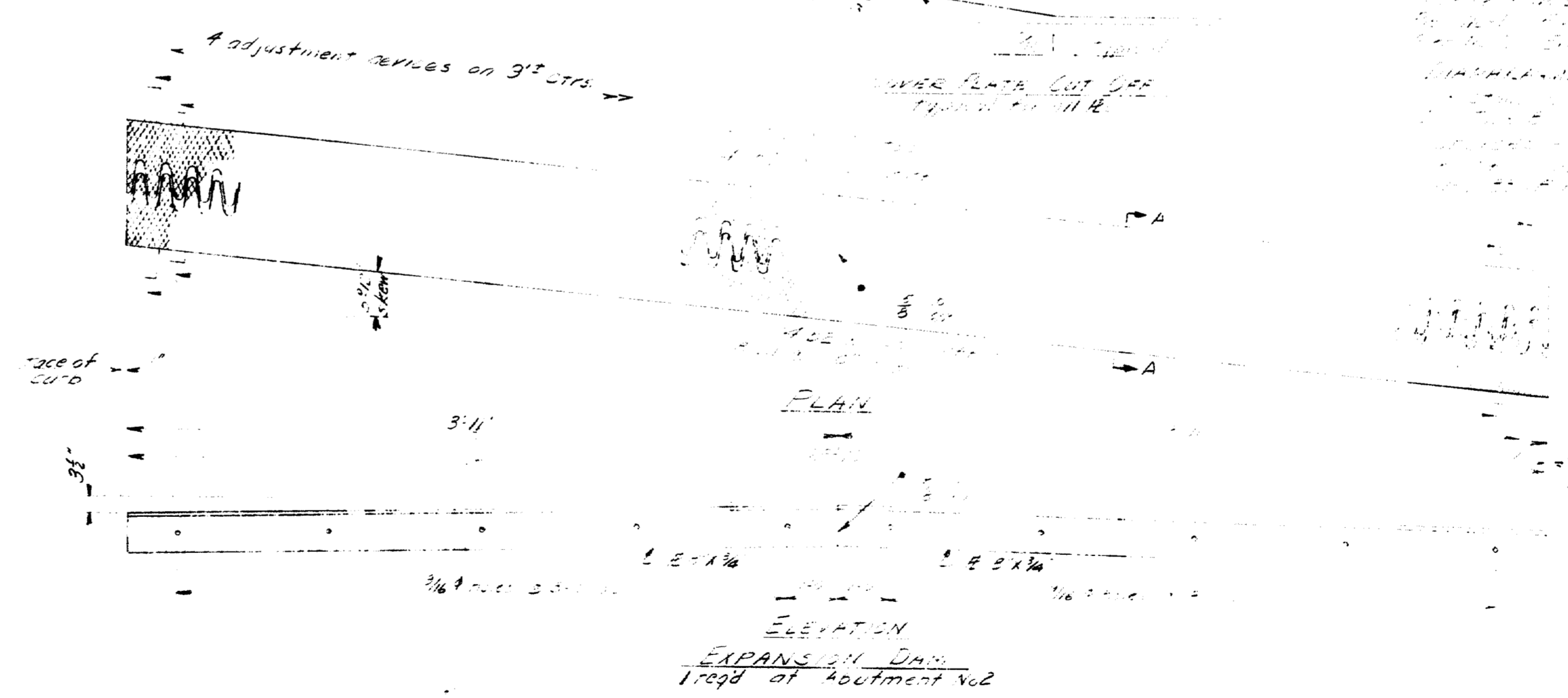
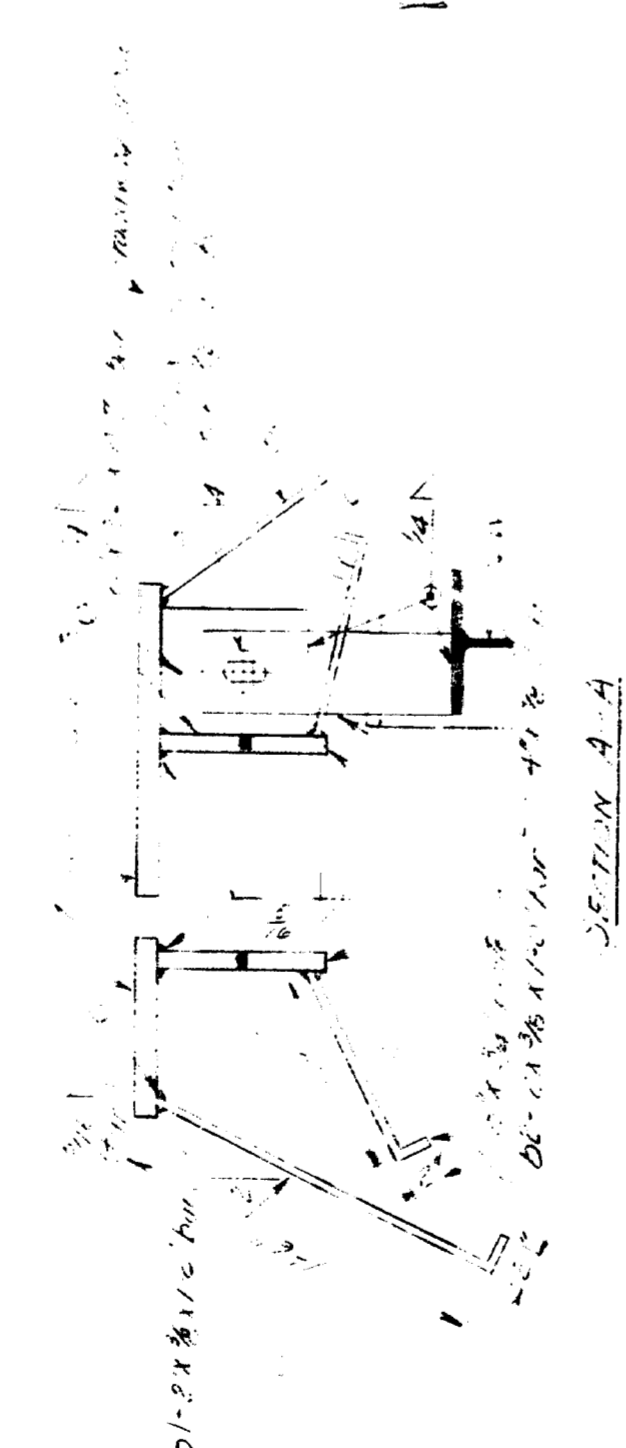
B. P. R. REC. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F026-1(29)	27	187



1/8" 3/4" 2 1/2" 3 1/2" 2 1/2" 3 1/2"



CUTTING DIAGRAM
Cut from 25'1" horizontal plate - match mark



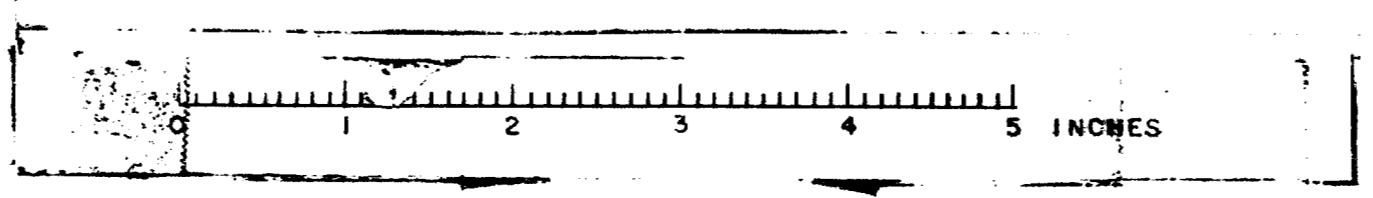
DESIGN -
TRACE -
CHECK -

BRIDGE NO.
SURVEY -
PLOT -

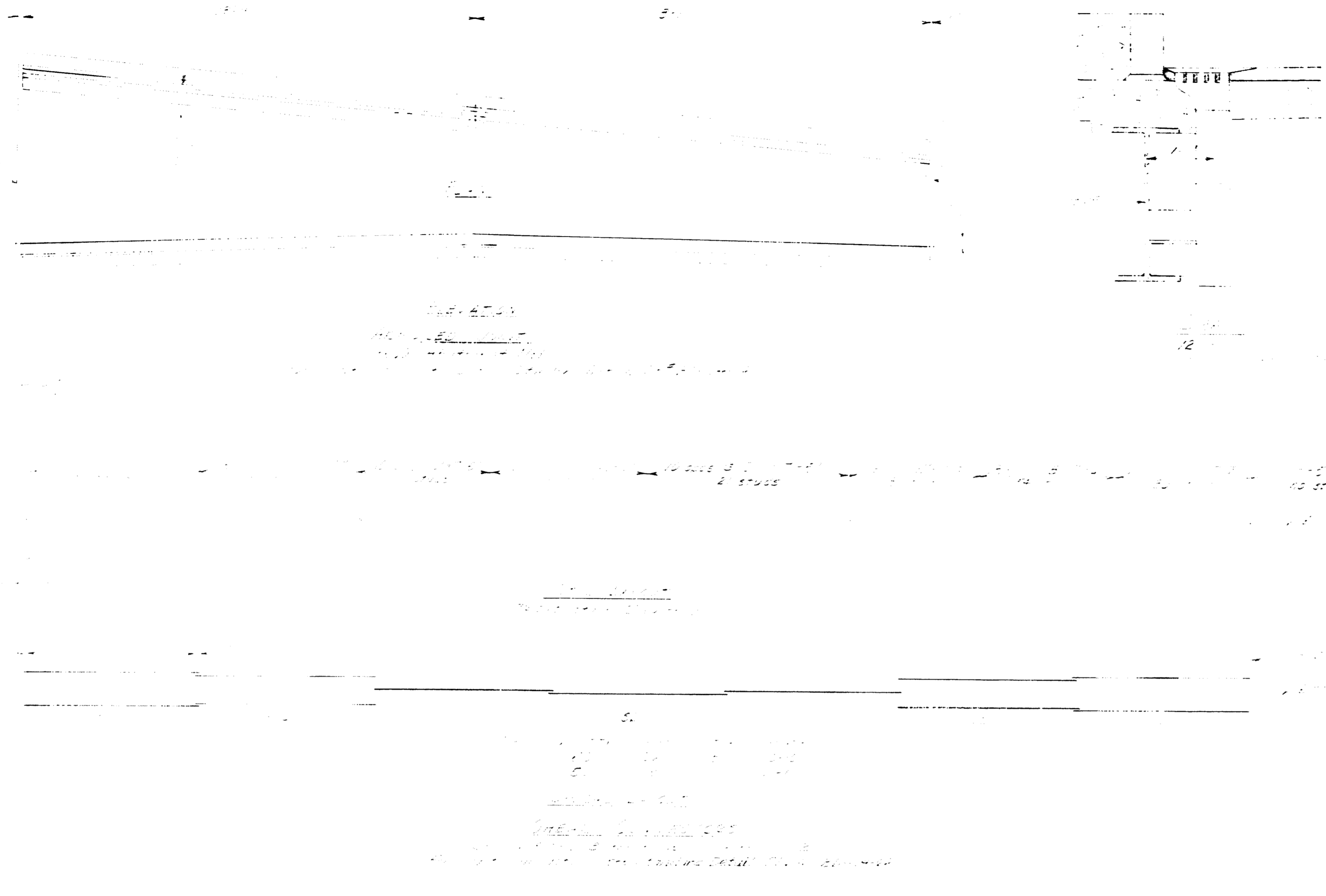
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NEW MEADOWS ROAD BRIDGE
OVER
ROUTE US-1
IN THE TOWN OF
WEST BATH
SAGADAHOC COUNTY
STRUCTURAL STEEL

SHEET 2 OF 2 AUGUSTA, MAINE FEB. 1964

M-2386



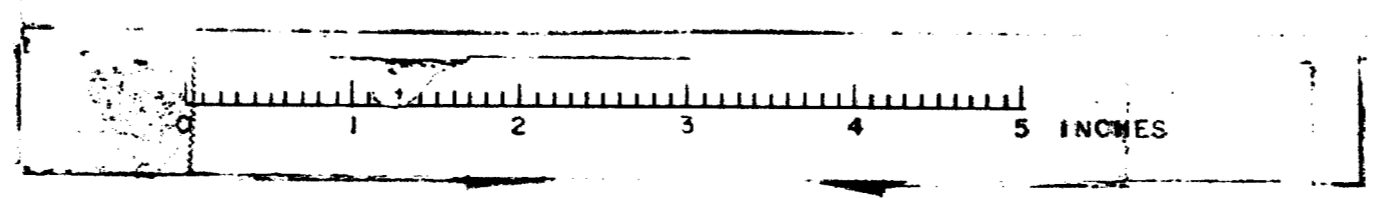
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	R022-125	29	187



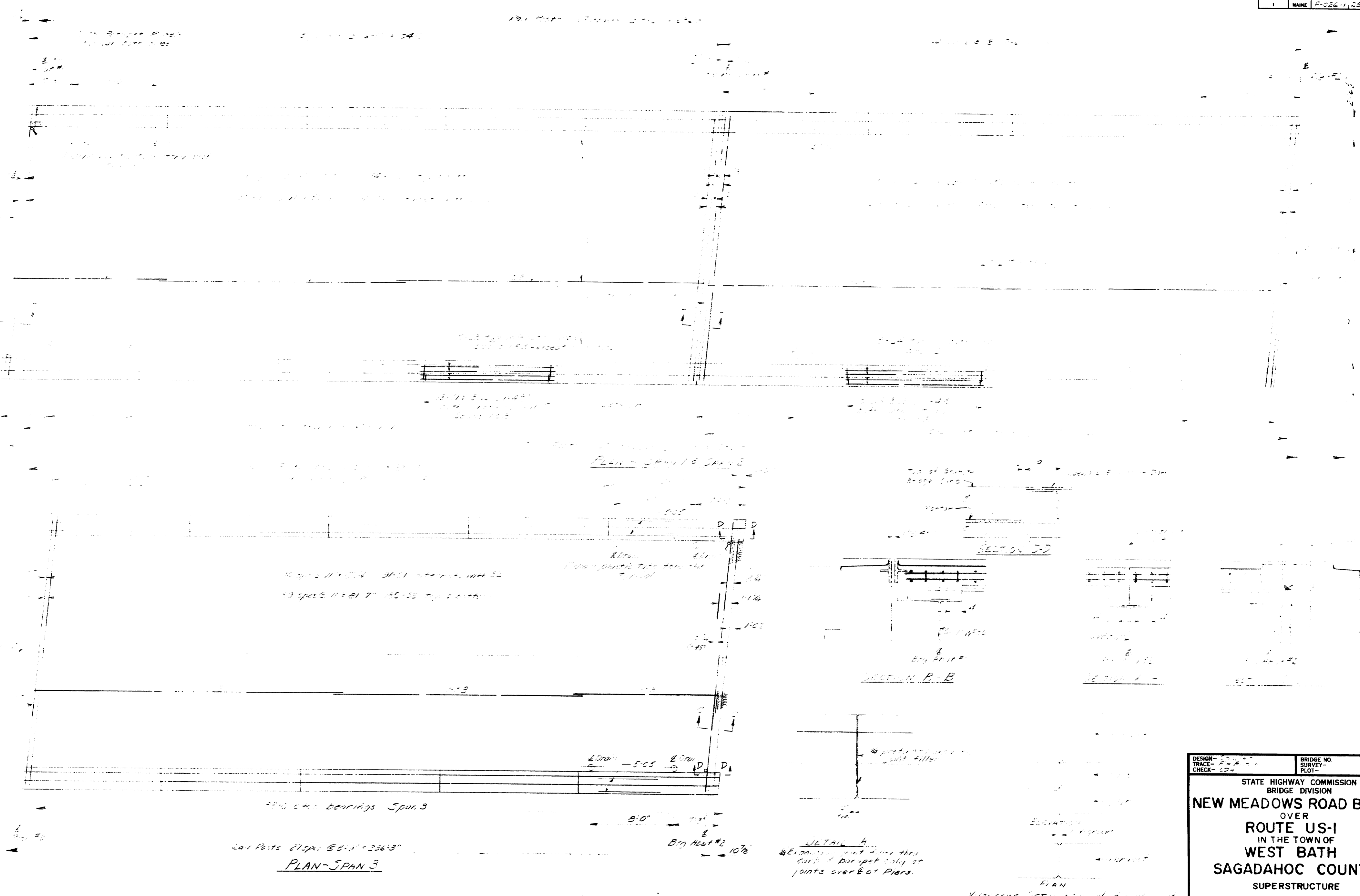
DESIGN -	BRIDGE NO.
TRACK -	SURVEY -
CHECK -	PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NEW MEADOWS ROAD BRIDGE
OVER
ROUTE US-1
IN THE TOWN OF
WEST BATH
SAGadahoc COUNTY
SHEAR CONNECTORS & DRAINS
SHEET 29 OF 187 AUGUSTA, MAINE FEB. 1964

M-2387



D. P. E. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-026-1125	29	187



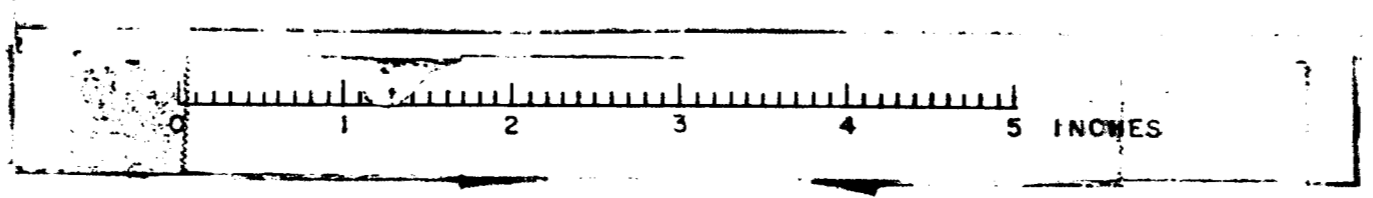
DESIGN -	BRIDGE NO.
TRACE -	SURVEY -
CHECK -	PLOT -

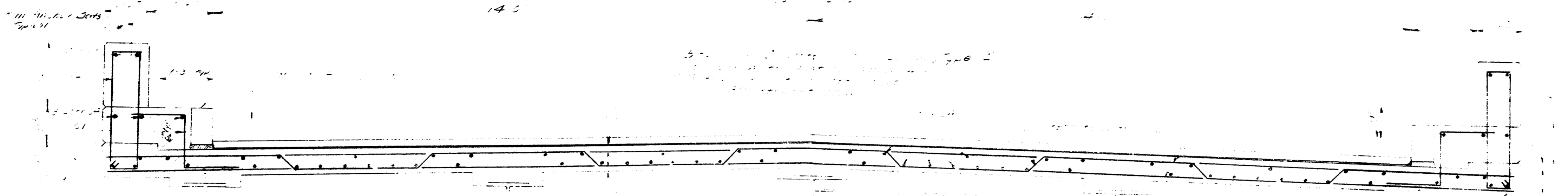
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

NEW MEADOWS ROAD BRIDGE
OVER
ROUTE US-1
IN THE TOWN OF
WEST BATH
SAGADAHOC COUNTY
SUPERSTRUCTURE

SHEET 10 OF 29 AUGUSTA, MAINE FEB. 1964

M-2388





TRANSVERSE SECTION

TABLE OF ELEVATIONS

Station	Top of Deck	Top of Girder	Bottom of Girder	Center of Roadway	Center of Bridge
0+00	111.45	110.15	108.85	110.00	110.00
0+25	111.50	110.20	108.90	110.05	110.05
0+50	111.55	110.25	108.95	110.10	110.10
0+75	111.60	110.30	109.00	110.15	110.15
1+00	111.65	110.35	109.05	110.20	110.20
1+25	111.70	110.40	109.10	110.25	110.25
1+50	111.75	110.45	109.15	110.30	110.30
1+75	111.80	110.50	109.20	110.35	110.35
2+00	111.85	110.55	109.25	110.40	110.40
2+25	111.90	110.60	109.30	110.45	110.45
2+50	111.95	110.65	109.35	110.50	110.50
2+75	112.00	110.70	109.40	110.55	110.55
3+00	112.05	110.75	109.45	110.60	110.60
3+25	112.10	110.80	109.50	110.65	110.65
3+50	112.15	110.85	109.55	110.70	110.70
3+75	112.20	110.90	109.60	110.75	110.75
4+00	112.25	110.95	109.65	110.80	110.80
4+25	112.30	111.00	109.70	110.85	110.85
4+50	112.35	111.05	109.75	110.90	110.90
4+75	112.40	111.10	109.80	110.95	110.95
5+00	112.45	111.15	109.85	111.00	111.00
5+25	112.50	111.20	109.90	111.05	111.05
5+50	112.55	111.25	109.95	111.10	111.10
5+75	112.60	111.30	110.00	111.15	111.15
6+00	112.65	111.35	110.05	111.20	111.20
6+25	112.70	111.40	110.10	111.25	111.25
6+50	112.75	111.45	110.15	111.30	111.30
6+75	112.80	111.50	110.20	111.35	111.35
7+00	112.85	111.55	110.25	111.40	111.40
7+25	112.90	111.60	110.30	111.45	111.45
7+50	112.95	111.65	110.35	111.50	111.50
7+75	113.00	111.70	110.40	111.55	111.55
8+00	113.05	111.75	110.45	111.60	111.60
8+25	113.10	111.80	110.50	111.65	111.65
8+50	113.15	111.85	110.55	111.70	111.70
8+75	113.20	111.90	110.60	111.75	111.75
9+00	113.25	111.95	110.65	111.80	111.80
9+25	113.30	112.00	110.70	111.85	111.85
9+50	113.35	112.05	110.75	111.90	111.90
9+75	113.40	112.10	110.80	111.95	111.95
10+00	113.45	112.15	110.85	112.00	112.00
10+25	113.50	112.20	110.90	112.05	112.05
10+50	113.55	112.25	110.95	112.10	112.10
10+75	113.60	112.30	111.00	112.15	112.15
11+00	113.65	112.35	111.05	112.20	112.20
11+25	113.70	112.40	111.10	112.25	112.25
11+50	113.75	112.45	111.15	112.30	112.30
11+75	113.80	112.50	111.20	112.35	112.35
12+00	113.85	112.55	111.25	112.40	112.40
12+25	113.90	112.60	111.30	112.45	112.45
12+50	113.95	112.65	111.35	112.50	112.50
12+75	114.00	112.70	111.40	112.55	112.55
13+00	114.05	112.75	111.45	112.60	112.60
13+25	114.10	112.80	111.50	112.65	112.65
13+50	114.15	112.85	111.55	112.70	112.70
13+75	114.20	112.90	111.60	112.75	112.75
14+00	114.25	112.95	111.65	112.80	112.80
14+25	114.30	113.00	111.70	112.85	112.85
14+50	114.35	113.05	111.75	112.90	112.90
14+75	114.40	113.10	111.80	112.95	112.95
15+00	114.45	113.15	111.85	113.00	113.00
15+25	114.50	113.20	111.90	113.05	113.05
15+50	114.55	113.25	111.95	113.10	113.10
15+75	114.60	113.30	112.00	113.15	113.15
16+00	114.65	113.35	112.05	113.20	113.20
16+25	114.70	113.40	112.10	113.25	113.25
16+50	114.75	113.45	112.15	113.30	113.30
16+75	114.80	113.50	112.20	113.35	113.35
17+00	114.85	113.55	112.25	113.40	113.40
17+25	114.90	113.60	112.30	113.45	113.45
17+50	114.95	113.65	112.35	113.50	113.50
17+75	115.00	113.70	112.40	113.55	113.55
18+00	115.05	113.75	112.45	113.60	113.60
18+25	115.10	113.80	112.50	113.65	113.65
18+50	115.15	113.85	112.55	113.70	113.70
18+75	115.20	113.90	112.60	113.75	113.75
19+00	115.25	113.95	112.65	113.80	113.80
19+25	115.30	114.00	112.70	113.85	113.85
19+50	115.35	114.05	112.75	113.90	113.90
19+75	115.40	114.10	112.80	113.95	113.95
20+00	115.45	114.15	112.85	114.00	114.00

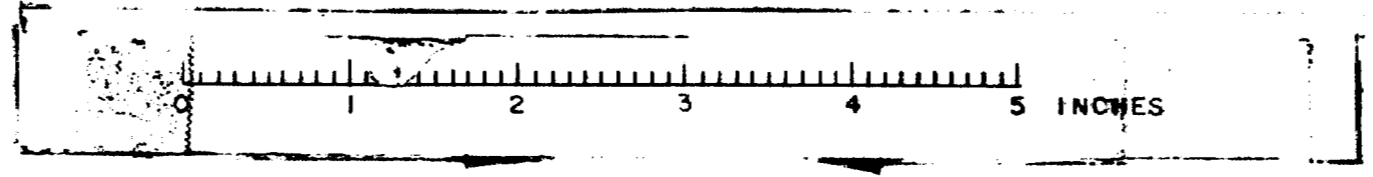


For additional details see Standard Detail S-1 # EC 100-64

DESIGN - [initials]	BRIDGE NO.
TRACE - [initials]	SURVEY -
CHECK - [initials]	PLOT -

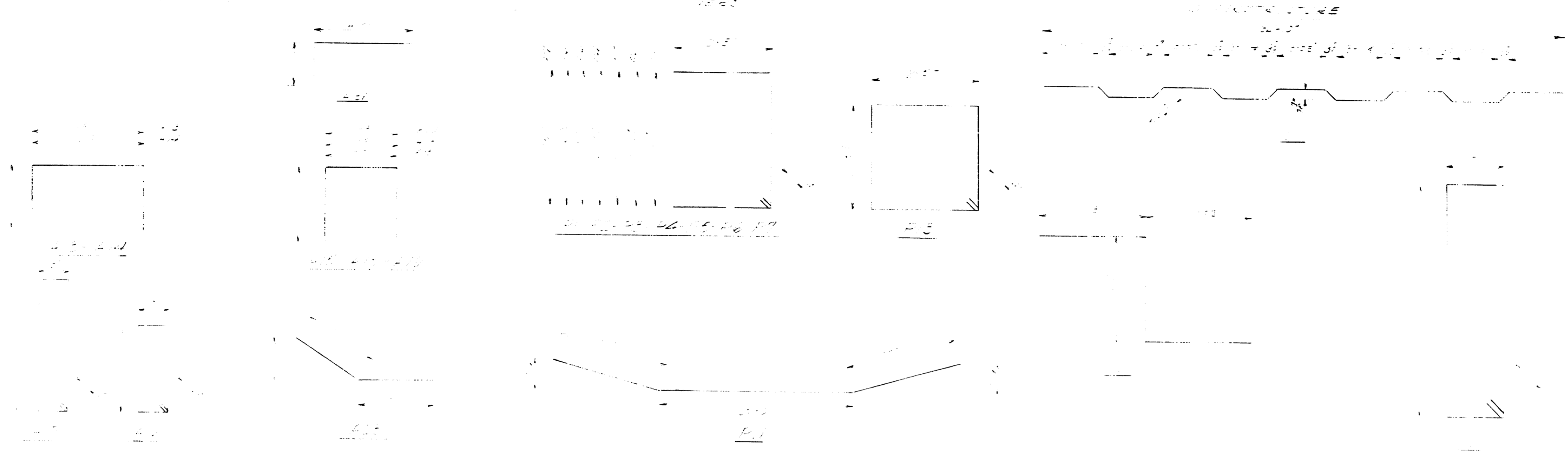
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NEW MEADOWS ROAD BRIDGE
OVER
ROUTE US-1
IN THE TOWN OF
WEST BATH
SAGadahoc COUNTY
SUPERSTRUCTURE DETAILS

M-2389



REINFORCING STEEL SCHEDULE

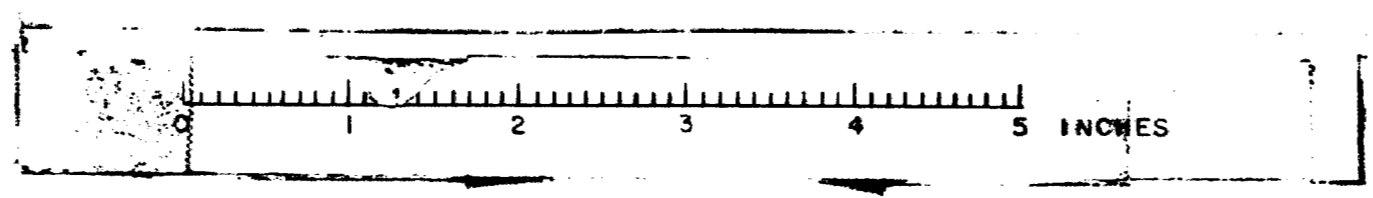
B. P. E. REC. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F022-1135	31	187



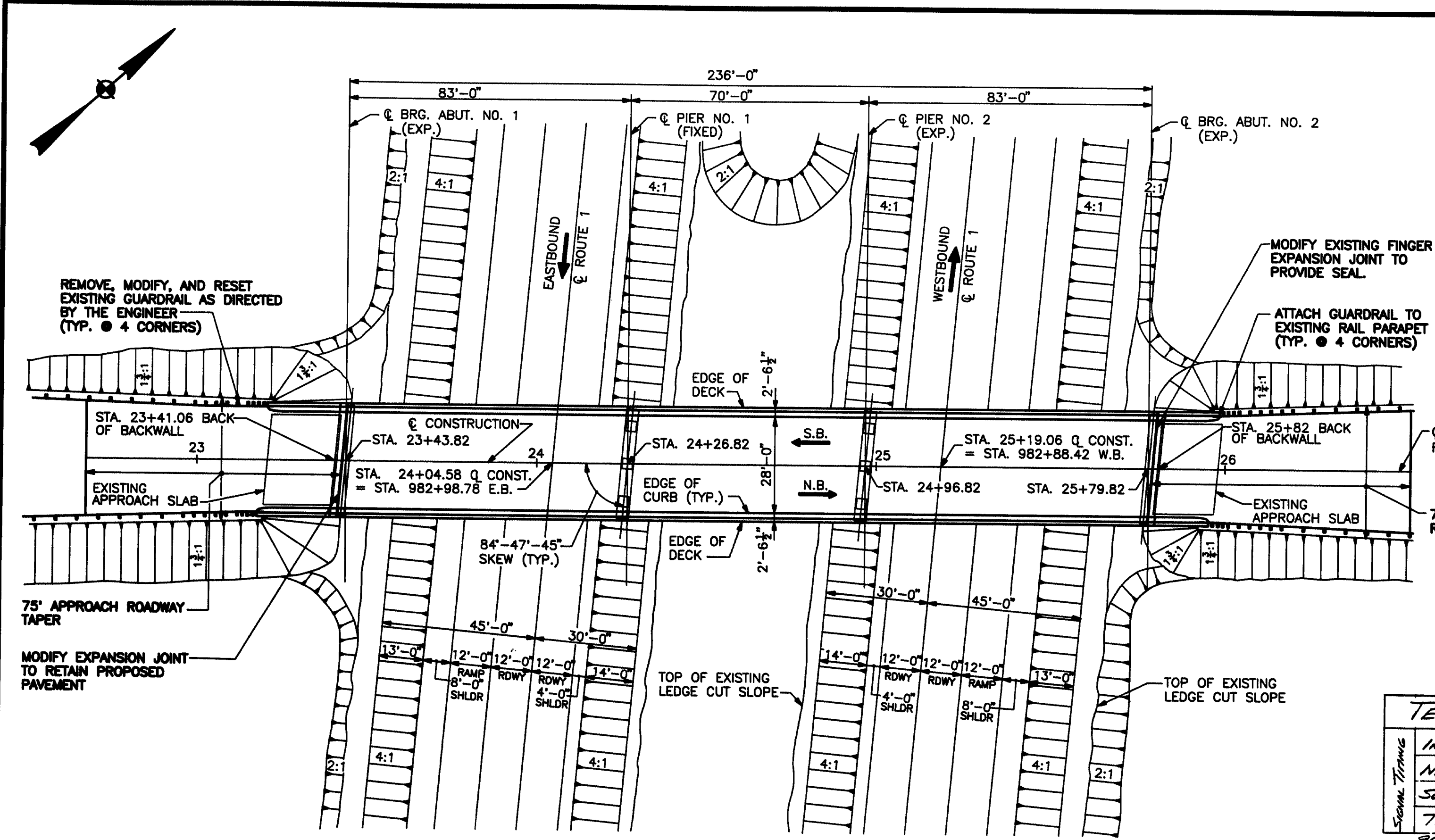
NO.	DESCRIPTION	QUANTITY	REMARKS
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DESIGN -	BRIDGE NO.
TRACE -	SURVEY -
CHECK -	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NEW MEADOWS ROAD BRIDGE	
OVER	
ROUTE US 1	
IN THE TOWN OF	
WEST BATH	
SAGadahoc COUNTY	
REINFORCING STEEL SCHEDULE	
SHEET 12 OF 12 AUGUSTA, MAINE FEB. 1964	

M-2390



PANEL NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-026-1 (77)	7	25



SCOPE OF WORK

- REMOVE EXISTING BITUMINOUS PAVEMENT AND MEMBRANE WATERPROOFING. INSTALL 3" HOT BITUMINOUS PAVEMENT AND MEMBRANE WATERPROOFING (1/4" ALLOWED).
- CLEAN AND PAINT EXISTING STRUCTURAL STEEL INCLUDING BEARINGS.
- REMOVE, MODIFY, AND RESET EXISTING APPROACH GUARDRAIL AS DIRECTED BY THE ENGINEER, ATTACH GUARDRAIL TO EXISTING CONCRETE PARAPET WITH TERMINAL CONNECTOR.
- REHABILITATE CRACKED, SPALLED, OR OTHERWISE DETERIORATED CONCRETE ON SUBSTRUCTURE.
- MAINTAIN ONE 11' MINIMUM TRAFFIC LANE WITH TEMPORARY TRAFFIC LIGHTS DURING CONSTRUCTION.
- MODIFY 75'-0" APPROACH ROADWAY AT BOTH ENDS OF BRIDGE. OVERLAY AND SHIM TO MATCH PROPOSED PAVEMENT ELEVATION ON BRIDGE.
- REHABILITATE CONCRETE BRIDGE DECK SLAB AS DIRECTED BY THE ENGINEER.
- MODIFY EXPANSION JOINTS TO RETAIN PROPOSED PAVEMENT ON BRIDGE.

SPECIFICATION

DESIGN: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 1989.
 CONTRACT: STATE OF MAINE, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, HIGHWAY AND BRIDGES, REVISION OF OCTOBER 1990.

TRAFFIC DATA

AADT (1987)	1,940
AADT (2007)	2,715
DESIGN HOURLY VOLUME	299
PERCENT TRUCKS	10%
DIRECTIONAL DISTRIBUTION (%)	60%
POSTED SPEED (MPH)	35
18 KIP EQUIVALENT P2.0	115

DESIGN LOADING

LIVE LOAD: H20-44 (DESIGNED)

MATERIALS

STRUCTURAL STEEL: ASTM A36

BASIC ALLOWABLE STRESSES

STRUCTURAL STEEL: fs=20,000

INDEX OF SHEETS

- GENERAL PLAN AND SECTIONS
- ESTIMATED QUANTITIES AND DETAILS

BRIDGE STANDARD DETAILS

BD302-89 EXPANSION JOINT - GLAND SEAL

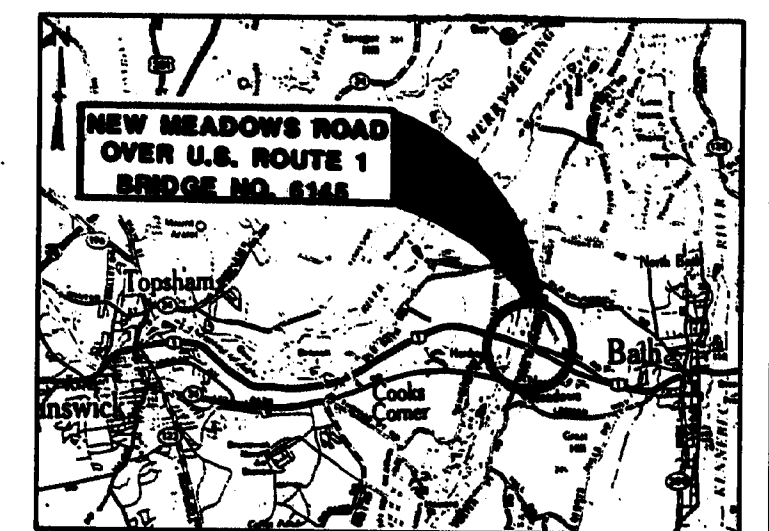
HIGHWAY STANDARD DETAILS

HD-6 TYPE 3 GUARDRAIL - BREAKAWAY CABLE TERMINAL (BCT)

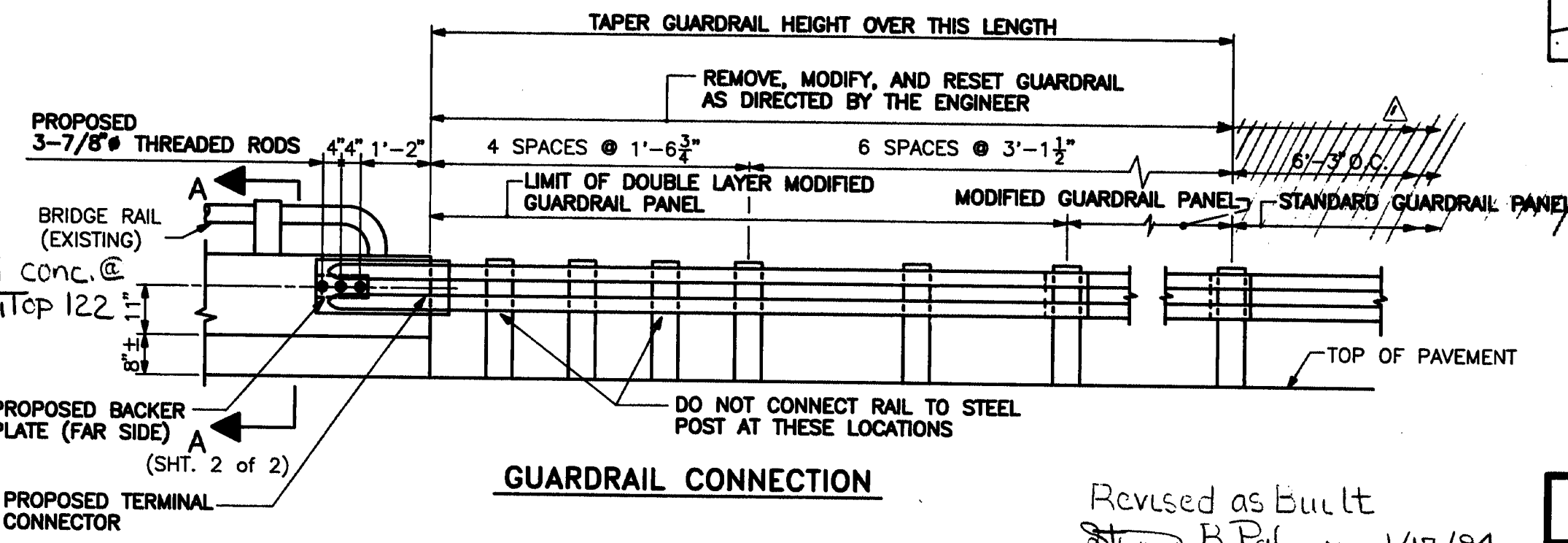
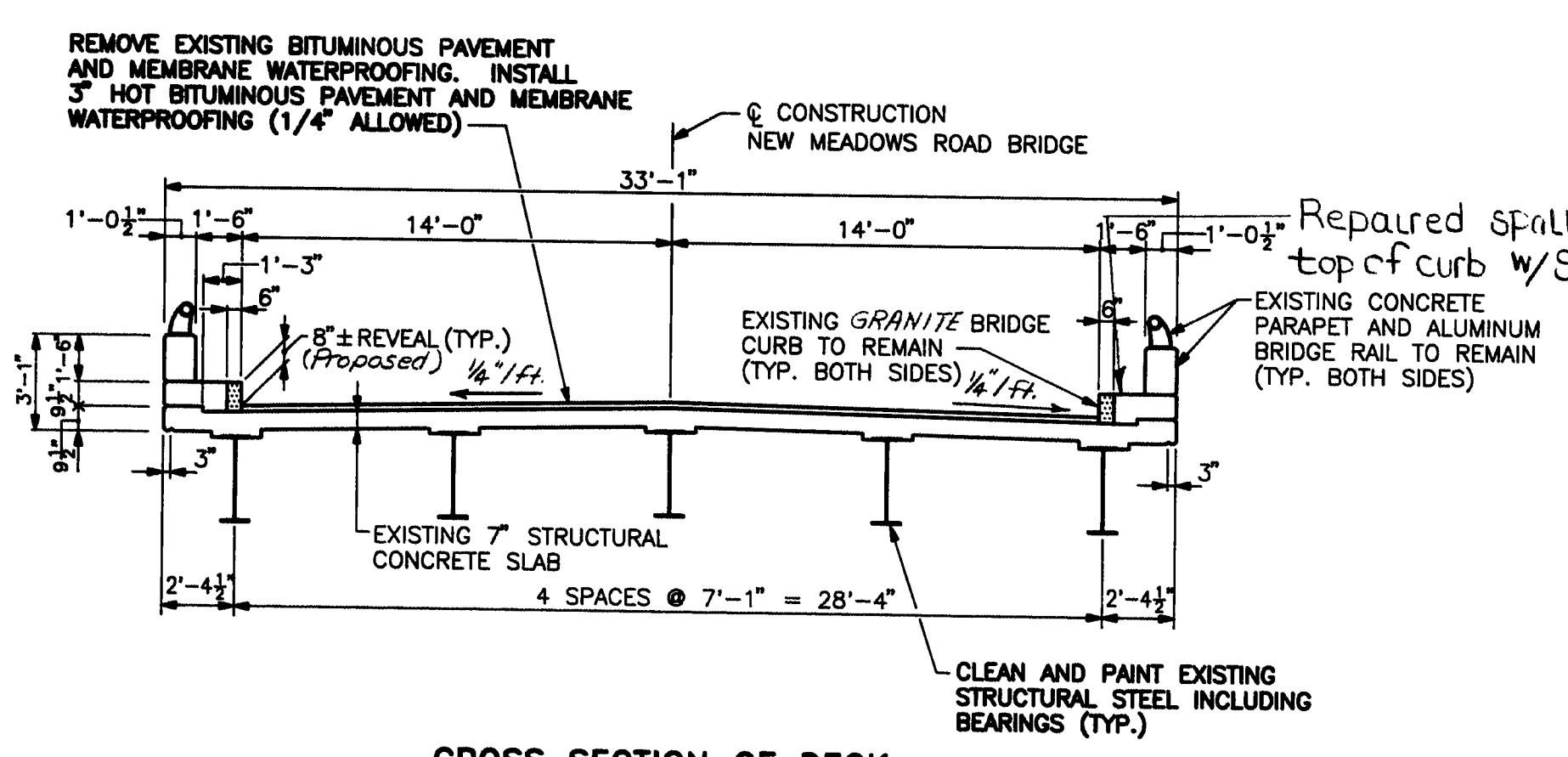
TEMPORARY TRAFFIC SIGNALS

INTERVAL	1	2	3	4	5	6	1
NORTH BOUND	G	Y	R	R	R	R	G
SOUTH BOUND	R	R	R	G	Y	R	R
Timing	23	3	19	23	3	19	

90 Second Cycle
 G = Green
 Y = Yellow
 R = Red



Project Completed; Fall 1992



PLANS

DATE	BY	REVISIONS
11-18-92	J. Bailey	
11-18-92	P. New	
11-18-92	S. Mainville	

PLANS OF THE EXISTING BRIDGE ARE AVAILABLE FOR THE CONTRACTOR'S REFERENCE AT THE BRIDGE DESIGN OFFICE IN AUGUSTA. THE PLANS ARE REPRODUCTIONS OF ORIGINAL DRAWINGS AS PREPARED FOR THE CONSTRUCTION OF THE BRIDGE AND IT IS VERY UNLIKELY THAT THE PLANS WILL SHOW ANY CONSTRUCTION FIELD CHANGES OR ANY ALTERATIONS WHICH MAY HAVE BEEN MADE TO THE BRIDGE DURING ITS LIFE SPAN.

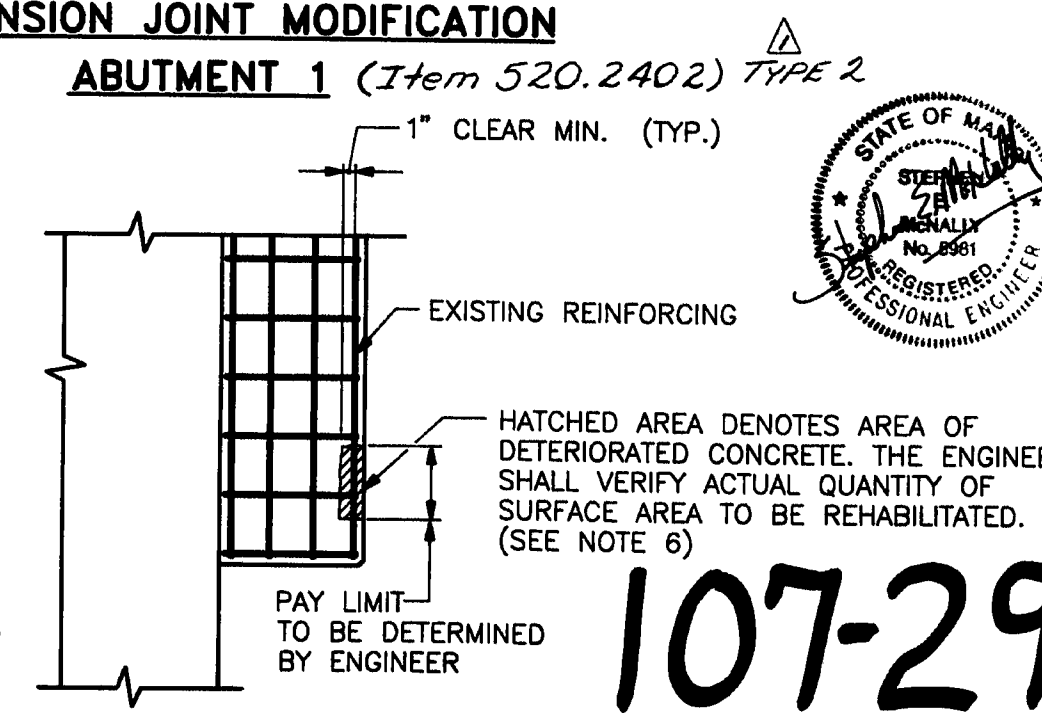
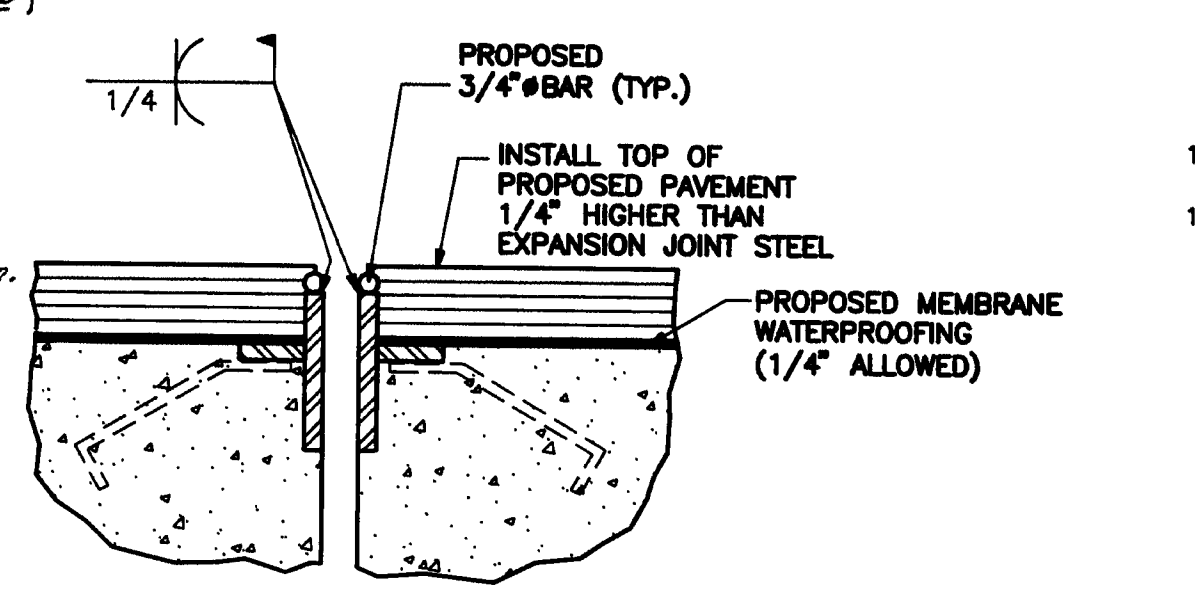
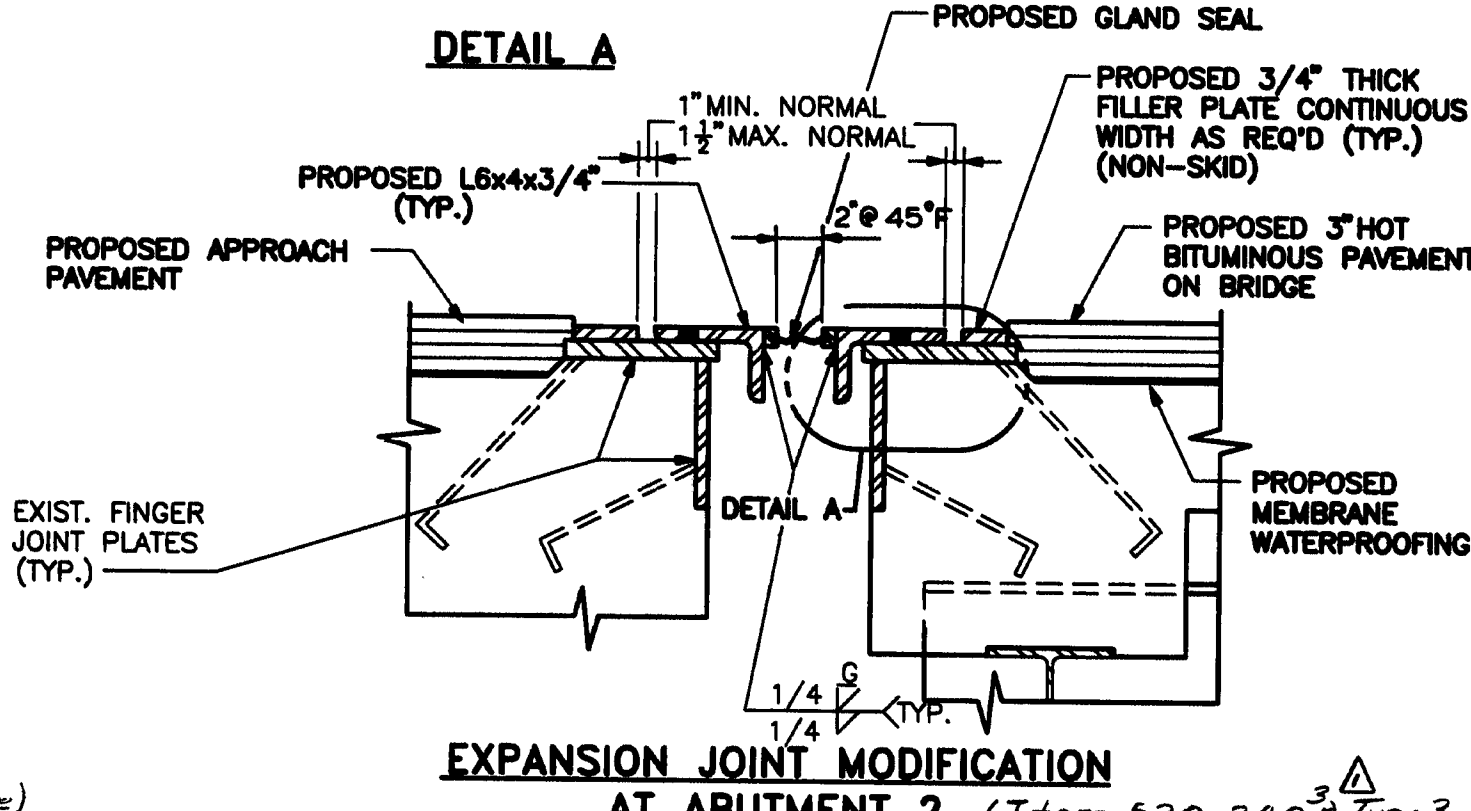
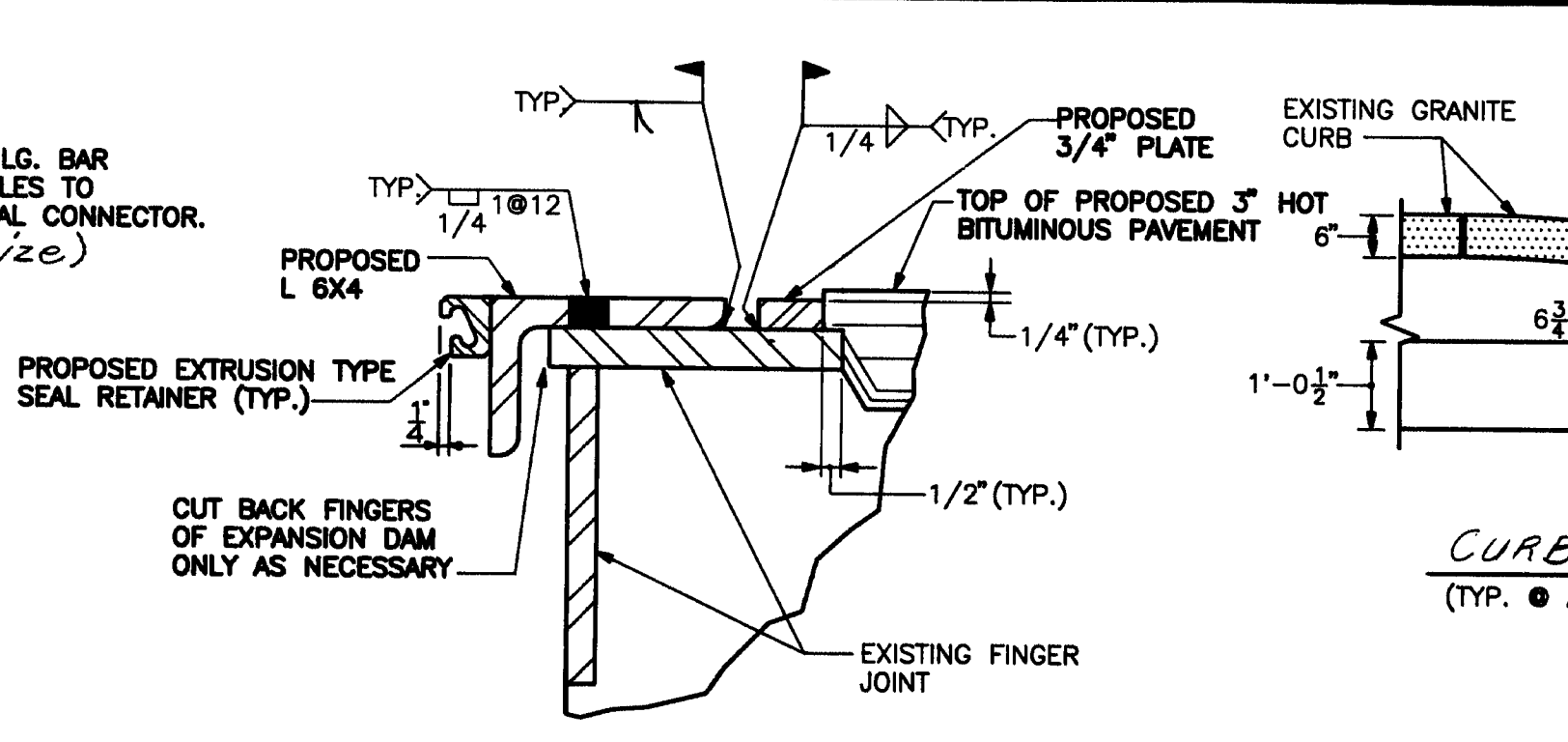
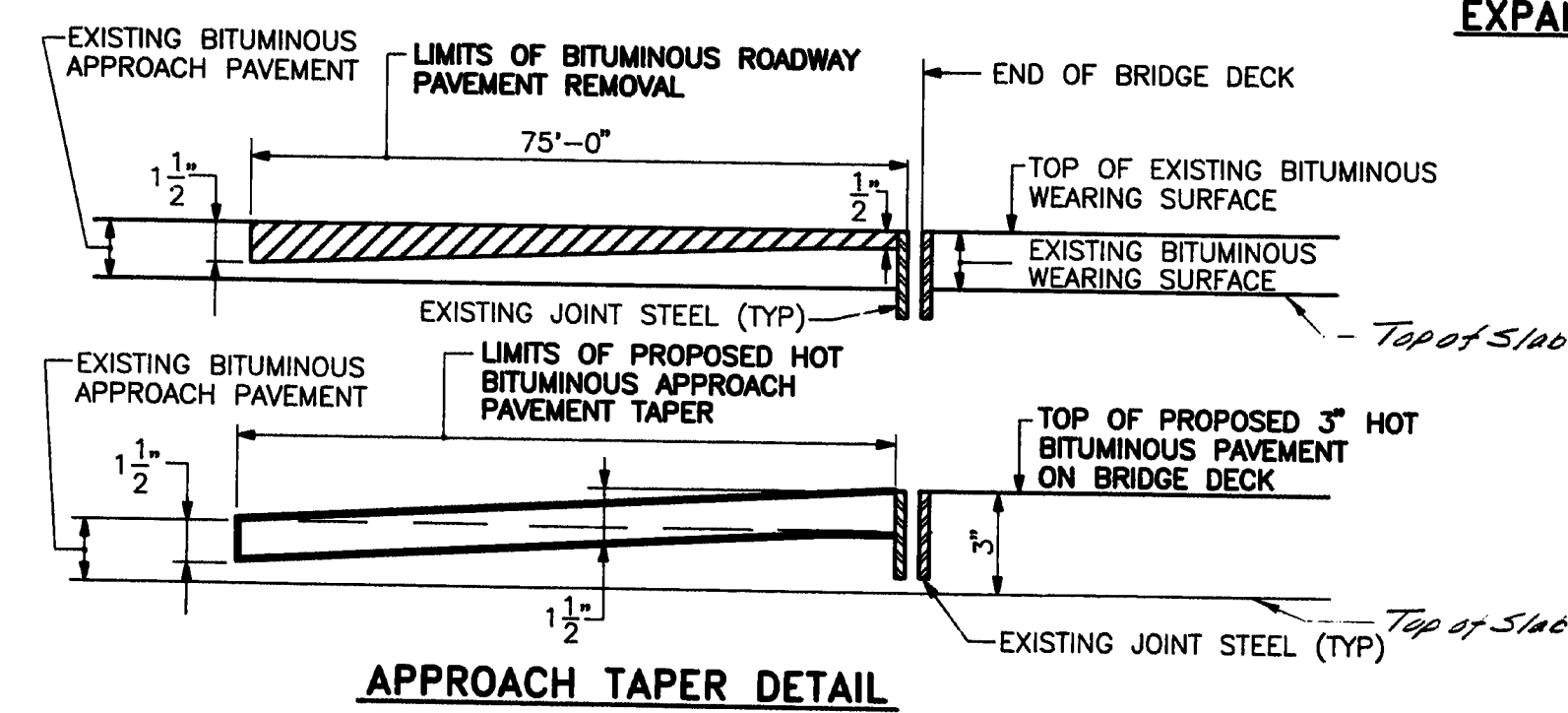
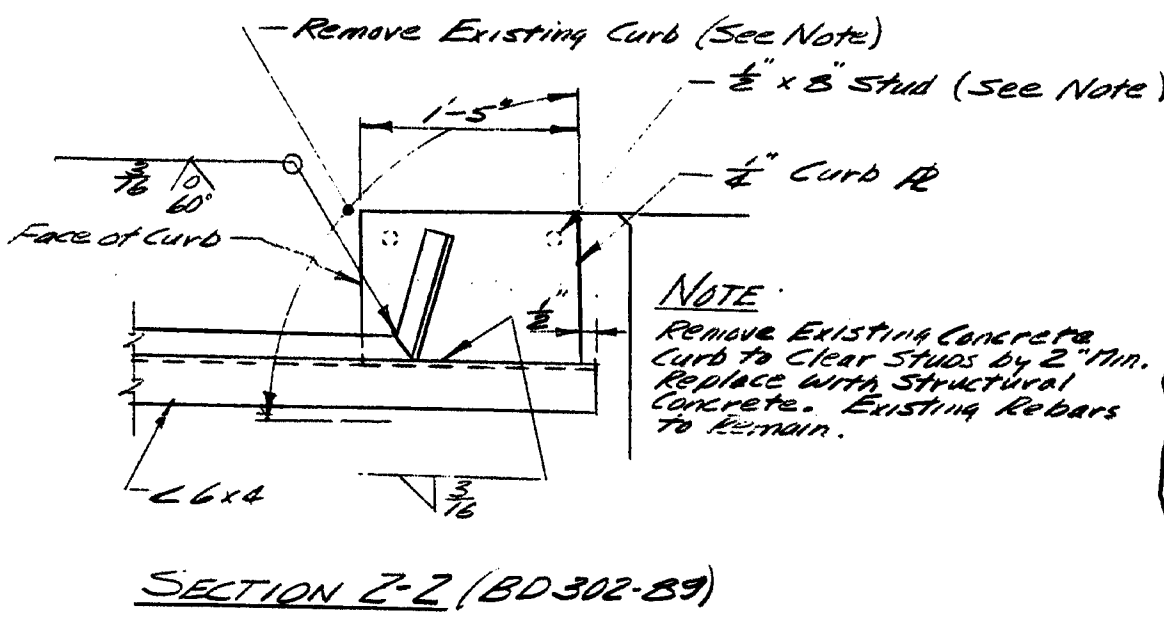
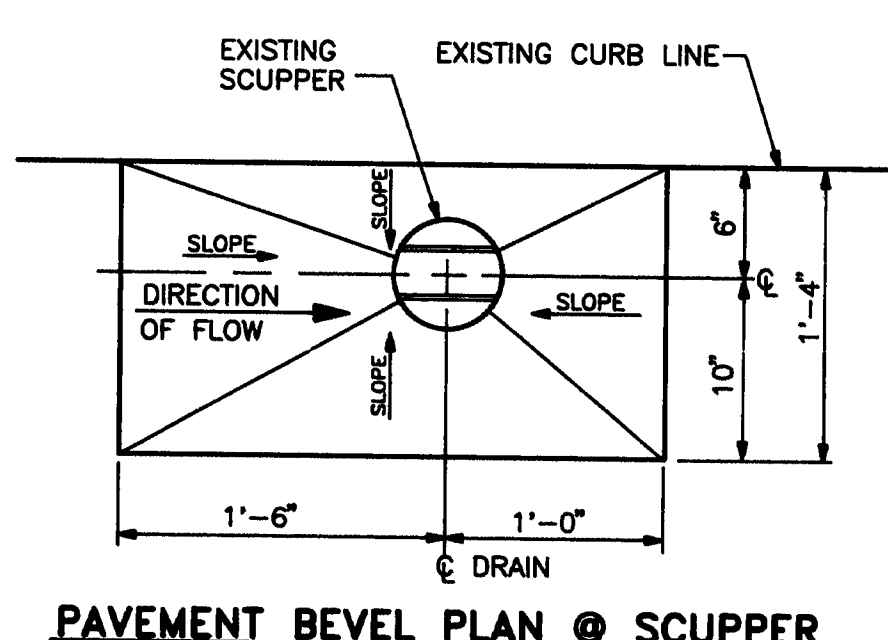
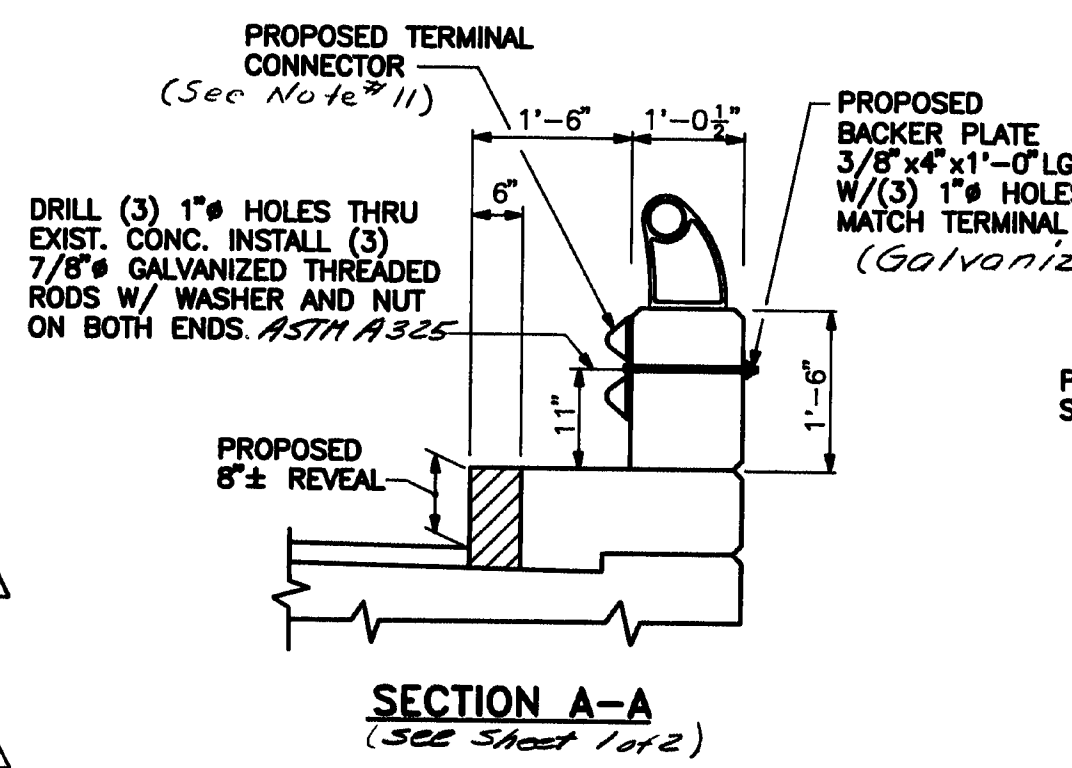
APPROVED:
 State of Maine
 Department of Transportation
 Commissioner: *Richard Coleman* 4/1/94
 Chief Engineer: *Richard Coleman* 4/1/94

United States
 Department of Transportation
 Federal Highway Administration
 Region 1
 APPROVED: **107-293**
 Division Administrator: *Straw B. Palanca* 1/17/94

PIN NO. 002774.00
 BRIDGE NO. 6145
 STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 Kimball Chase
 ONE GATE STREET
 PORTSMOUTH, N.H. 03801
 (603) 431-2520
 NEW MEADOWS ROAD BRIDGE
 OVER
 ROUTE U.S. 1
 IN THE TOWN OF
 WEST BATH
 SAGADAHOC COUNTY
 GENERAL PLAN AND SECTIONS
 SHEET 1 OF 2
 AUGUSTA, MAINE

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.127	Removing of Existing Bituminous Pavement	0.15	L.S.
202.202	Removing Pavement Surface	500	S.Y.
403.10	Hot Bituminous Pavement, Grading D	167	T
403.15	Bituminous Tack Coat, Applied	10	G
506.17	Surface Prep of Exist. Strc. Steel	0.15	L.S.
506.172	Field Painting Existing Strc. Steel (ZNP-1)	0.15	L.S.
506.18	Containment and Pollution Control	0.15	L.S.
506.19	Disposal of Hazardous or Toxic Material	0.15	L.S.
508.13	Membrane Waterproofing	0.487	L.S.
518.21	Reliab. of Strc. Conc. Substr.	10	S.F.
518.30	Reliab. of Strc. Conc. Slab - to Rein. Steel	333	S.F.
518.31	Reliab. of Strc. Conc. Slab - to Below Rein. Strc.	133	S.F.
520.240	Bridge Joint Modification Type 2	1	EA.
520.240	Bridge Joint Modification Type 3	1	EA.
526.301	Temporary Concrete Barrier, Type I	0.15	L.S.
606.172	Bridge Connection Type 2	4	EA.
606.178	Guardrail Beam	25	L.F.
606.35	Guardrail Delineator Post	3	EA.
606.351	Guardrail Delineator Post, Remove and Reset	1	EA.
606.364	Guardrail, Remove, Modify, and Reset Type 3b	350	L.F.
606.367	Replace Unusable Existing Guard Rail Post	4	EA.
606.751	Widen Shoulder for Breakaway Cable Terminal	23	EA.
606.77	Breakaway Cable Terminal	4	EA.
627.61	4 Inch Solid White Pavement Marking Line	300	L.F.
627.63	4 Inch Solid Yellow Pavement Marking Line	1100	L.F.
627.67	Removing Pavement Markings	110	S.F.
627.68	Temp 4 Painted Pav Marking Line, Yellow or White	300	L.F.
627.69	Temp 4 Plastic Pav Marking Line, Yellow or White	1100	L.F.
639.18	Field Office Type A	0.15	EA.
639.22	Testing Facilities Bituminous Mixes	0.17	L.S.
643.7202	Temporary Traffic Signal (New Mead Rd. Br.)	1	L.S.
652.30	Flashing Arrow Board	1	EA.
652.31	Type I Barricade	10	EA.
652.34	Cone	10	EA.
652.35	Construction Signs	150	S.F.
652.36	Maint. of Traffic Contr. Devices	24	CD
652.38	Flagger	100	HH
659.10	Mobilization	0.15	L.S.
ESTIMATE OF LUMP SUM ITEMS			
506.172	Field Painting Existing Structural Steel	22,500	lbs.
506.13	Membrane Waterproofing	740	S.Y.



WEST BATH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

Kimball Chase
ONE CATE STREET
PORTSMOUTH, N.H. 03801
(603) 431-2520

NEW MEADOWS ROAD BRIDGE
OVER
ROUTE U.S. 1
IN THE TOWN OF
WEST BATH
SAGadahoc COUNTY

ESTIMATED QUANTITIES AND DETAILS

SHEET 2 OF 2

AUGUSTA, MAINE

107-294

1 Revisions 10-28-91

NOTES:

- SEALS TO BE FURNISHED SHALL HAVE A MINIMUM MOVEMENT RATING OF: ABUTMENT 2: 2.0 INCHES
- SEAL SHALL BE APPROVED BY THE ENGINEER PRIOR TO FABRICATION OF JOINT ARMOR.
- Dimensions shown are from existing plans and may differ from actual field dimensions. Verify all dimensions prior to construction.
- JOINT ARMOR SHALL BE FABRICATED AND DELIVERED TO THE SITE IN TWO (2) SECTIONS. INSTALLATION OF JOINT ARMOR SHALL BE PERFORMED TO ALLOW ONE LANE OF TRAFFIC OVER THE BRIDGE DURING CONSTRUCTION. THE TWO SECTIONS OF JOINT ARMOR ARE TO BE WELDED IN THE FIELD TO PRODUCE ONE CONTINUOUS SECTION. WELDS ARE TO BE GROUND SMOOTH AND PAINTED PRIOR TO SEAL INSTALLATION.
- SEALS SHALL BE INSTALLED IN ONE CONTINUOUS LENGTH. SPLICING OF THE SEAL IS NOT ALLOWED. A TEMPORARY INTERRUPTION OF TRAFFIC IS ANTICIPATED TO FACILITATE THE INSTALLATION.
- IF THE DEPTH OF DETERIORATED CONCRETE EXTENDS TO REINFORCING BARS, REMOVE CONCRETE TO A MINIMUM DEPTH OF 1" BEYOND REINFORCING STEEL.
- AFTER EXISTING BITUMINOUS PAVEMENT HAS BEEN REMOVED, THE CONTRACTOR MAY BE DIRECTED BY THE ENGINEER TO REHABILITATE AREAS OF THE DECK. PAYMENT WILL BE MADE UNDER ITEMS 518.30 OR 518.31, WHICHEVER IS APPLICABLE.
- PROPOSED REINFORCING STEEL SHALL HAVE A MINIMUM COVER OF 2" UNLESS OTHERWISE INDICATED.
- PROTECTIVE COATING FOR CONCRETE SURFACES SHALL BE APPLIED TO ALL EXPOSED SURFACES OF CONCRETE PATCHING AND THE IMMEDIATE SURROUNDING AREA AS DIRECTED BY THE ENGINEER. (Substructure only)
- SEE BD 302-89 Details (Not Shown)
- TERMINAL CONNECTOR AND ATTACHMENTS TO THE EXISTING CONCRETE PARAPET will be paid for under Item 606.1732, Bridge Connection, Type 2.

GLAND SEAL
ADJUSTMENT CHART

PIN NO. 002774.00
BRIDGE NO. 6145

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

Kimball Chase
ONE CATE STREET
PORTSMOUTH, N.H. 03801
(603) 431-2520

NEW MEADOWS ROAD BRIDGE
OVER
ROUTE U.S. 1
IN THE TOWN OF
WEST BATH
SAGadahoc COUNTY

ESTIMATED QUANTITIES AND DETAILS

SHEET 2 OF 2

AUGUSTA, MAINE