

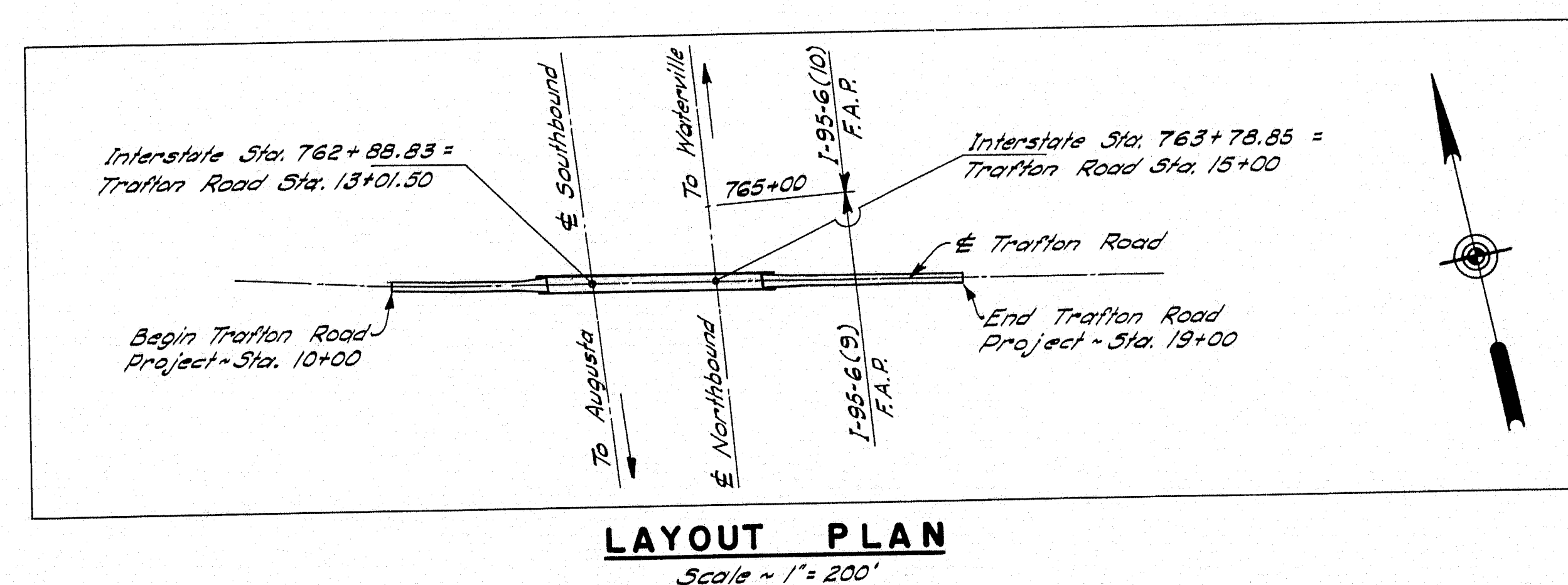
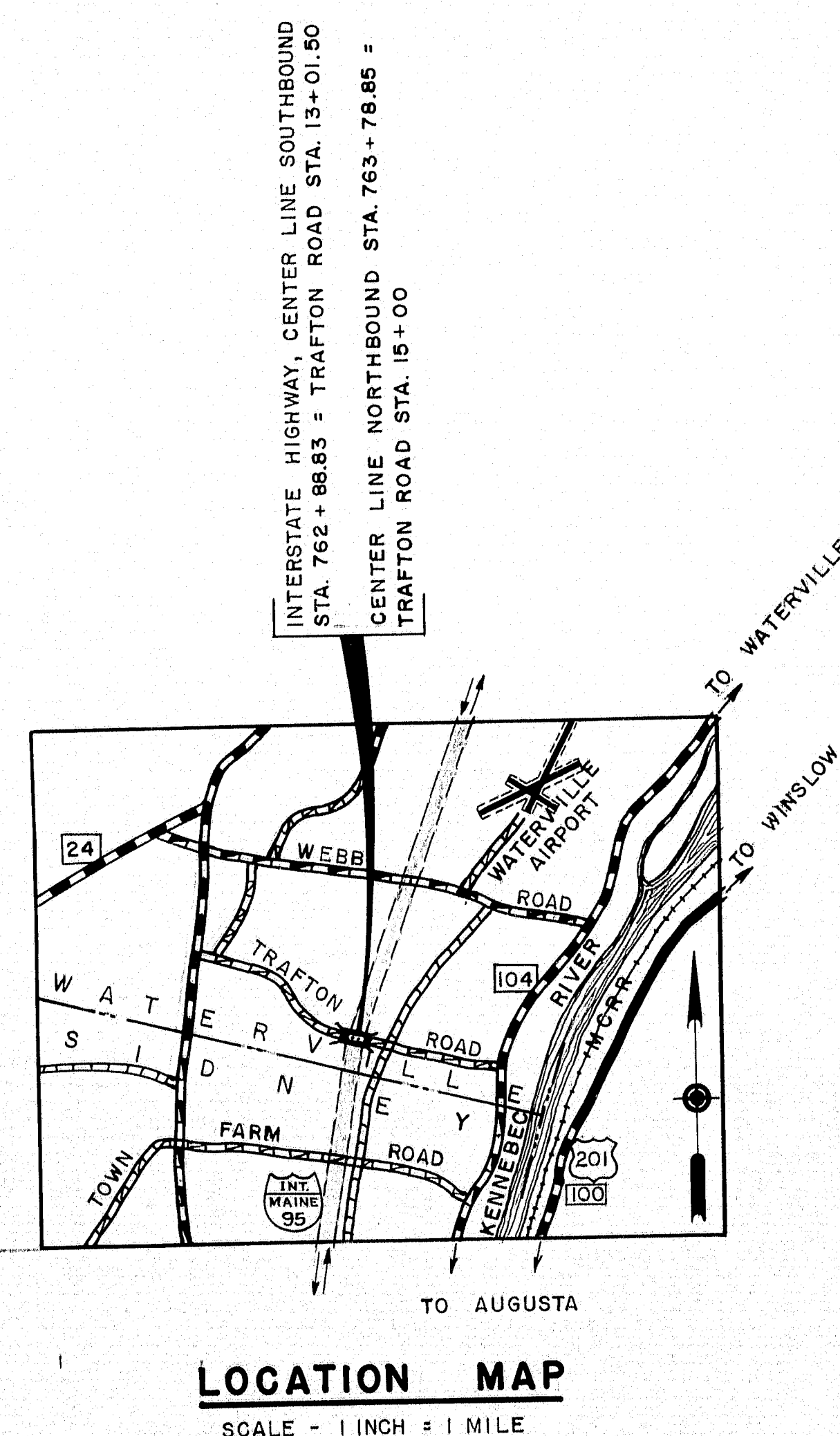
B.P.R. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-6(16)	1	19

STATE OF MAINE  
STATE HIGHWAY COMMISSION



TRAFTON ROAD BRIDGE  
OVER  
INTERSTATE HIGHWAY  
IN THE CITY OF  
WATERVILLE  
KENNEBEC COUNTY

FEDERAL AID PROJECT NO. I-95-6(16)118



**TRAFFIC**

A. D. T.	1960	= 30
A. D. T.	1980	= 40
D. H. V.		= 6
T		= 8 %
D		= 50 %
V		= 40 m. p. h.

**INDEX OF SHEETS**

1	TITLE SHEET
2	SOILS PROFILE
3	BORINGS
4	GENERAL PLAN & ELEVATION
5-6	SURVEY
7-8-9	CROSS SECTIONS
10	ABUTMENT NO. 1
11	ABUTMENT NO. 2
12	PIERS
13	SUPERSTRUCTURE PLAN, RAIL & DRAIN LAYOUT
14	SUPERSTRUCTURE
15	STRUCTURAL STEEL
16	SHEAR CONNECTORS & EXPANSION DAMS
17	APPROACH SLAB, DRAIN DETAILS, REINFORCING STEEL & RAIL POST
18	FINISH GRADES & BLOCKING DATA
19	STANDARD DETAILS

APPROVED:  
MAINE STATE HIGHWAY COMMISSION

*David H. Stevens* CHAIRMAN  
*George B. Lusk*  
*W. L. Williams*  
*Raymond J. Gault* CHIEF ENGINEER

DEPARTMENT OF COMMERCE  
BUREAU OF PUBLIC ROADS  
REGION I

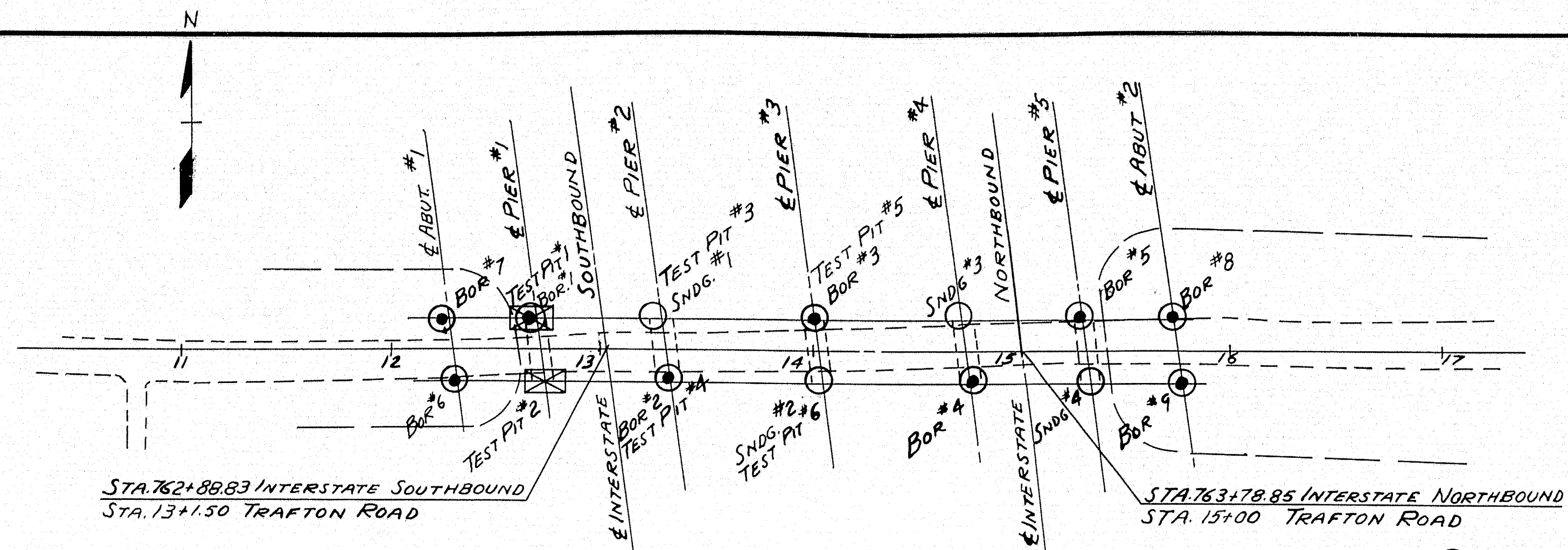
APPROVED:

DIVISION ENGINEER

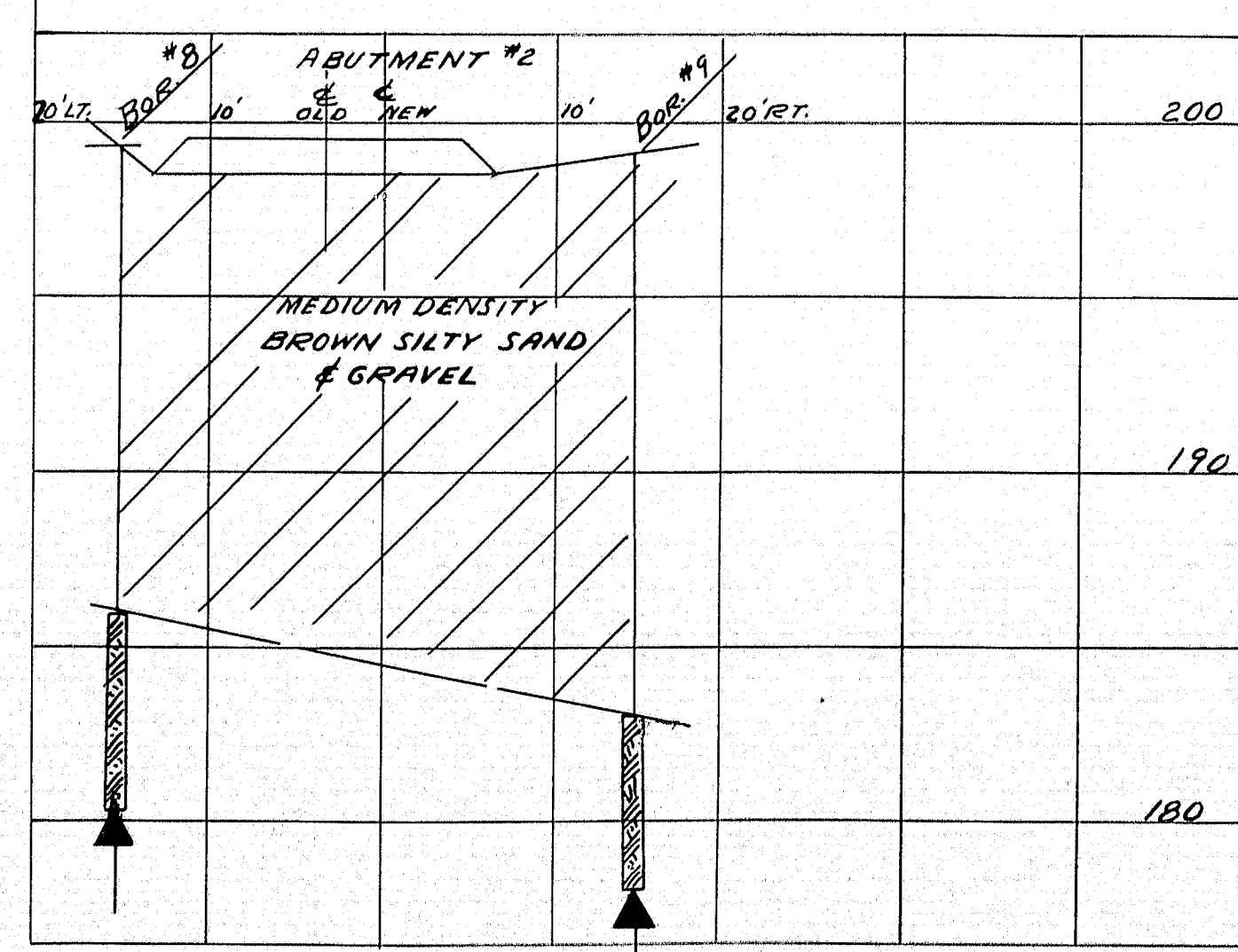
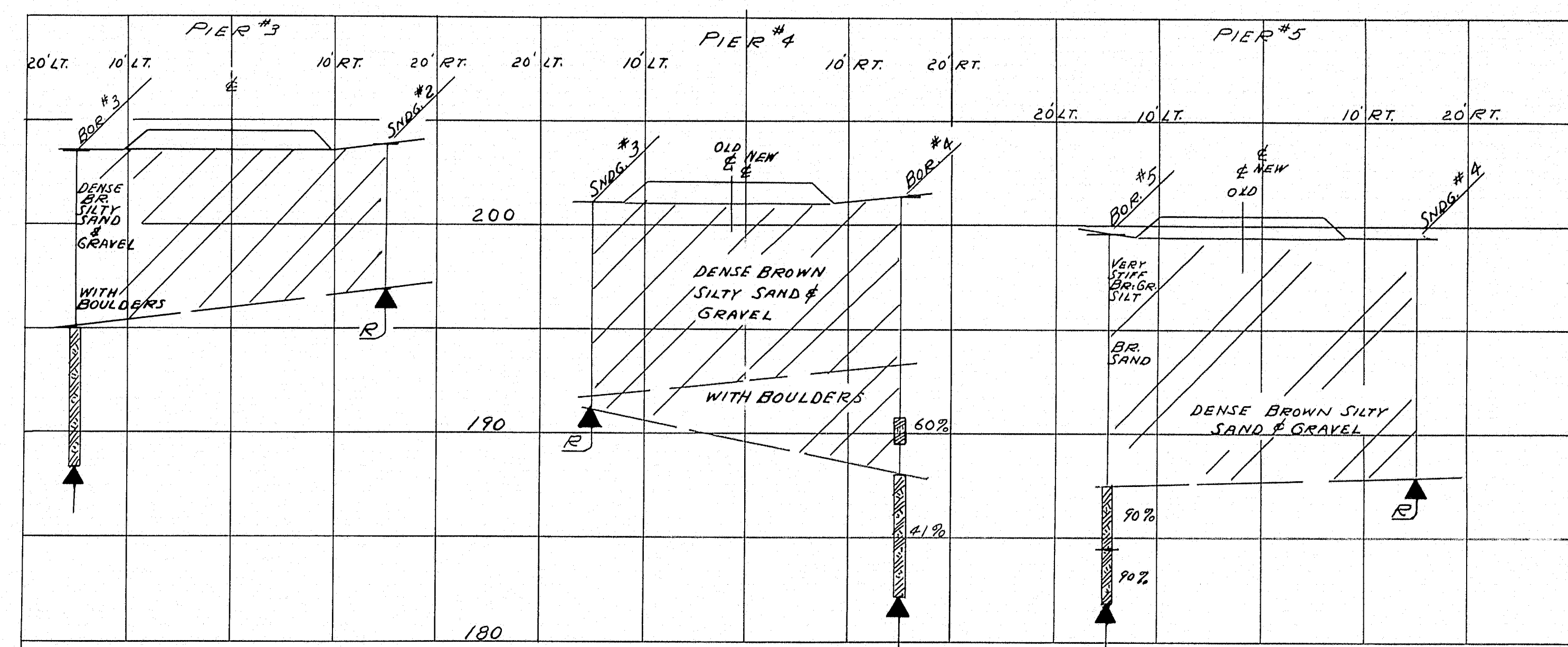
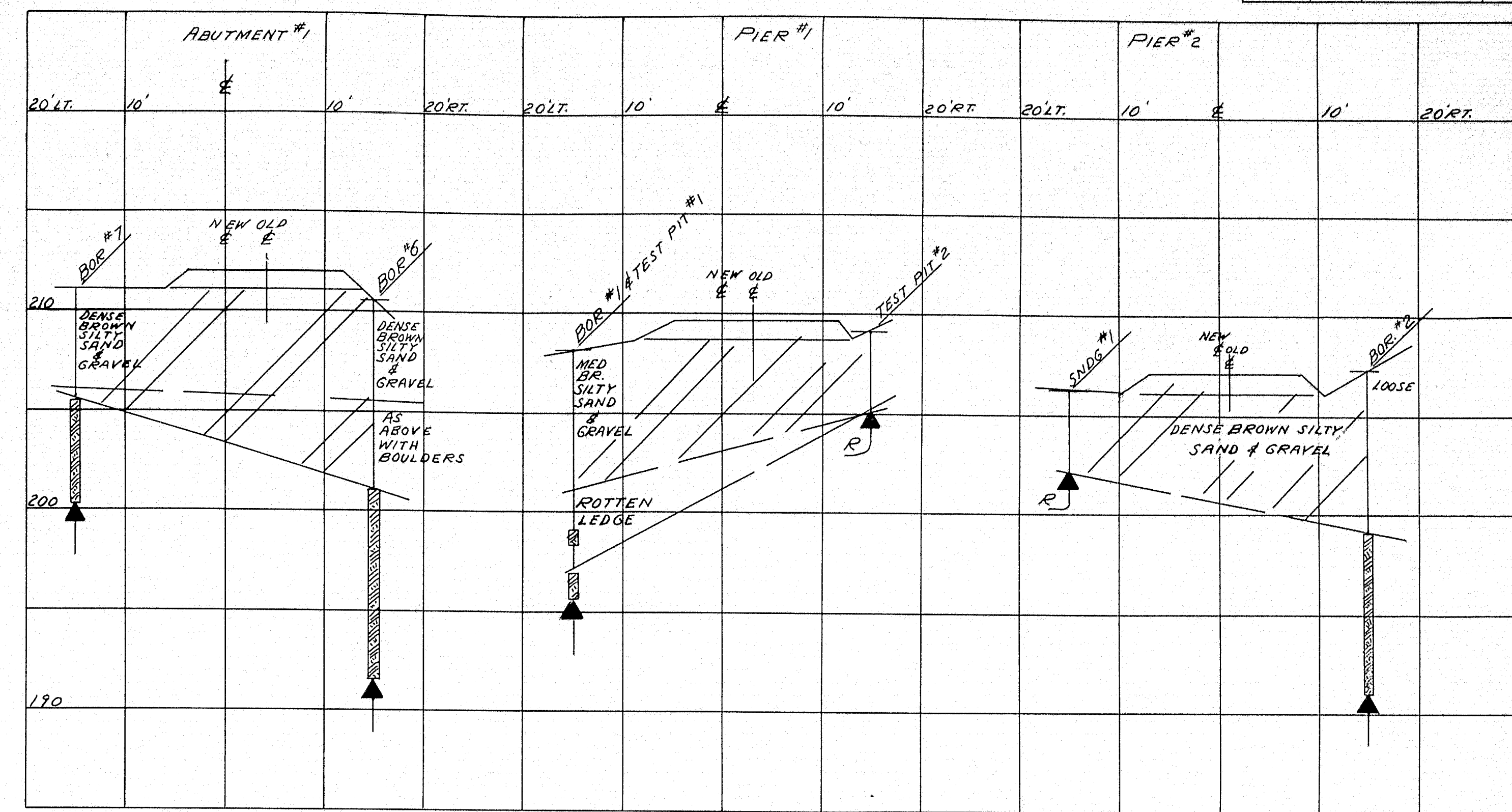
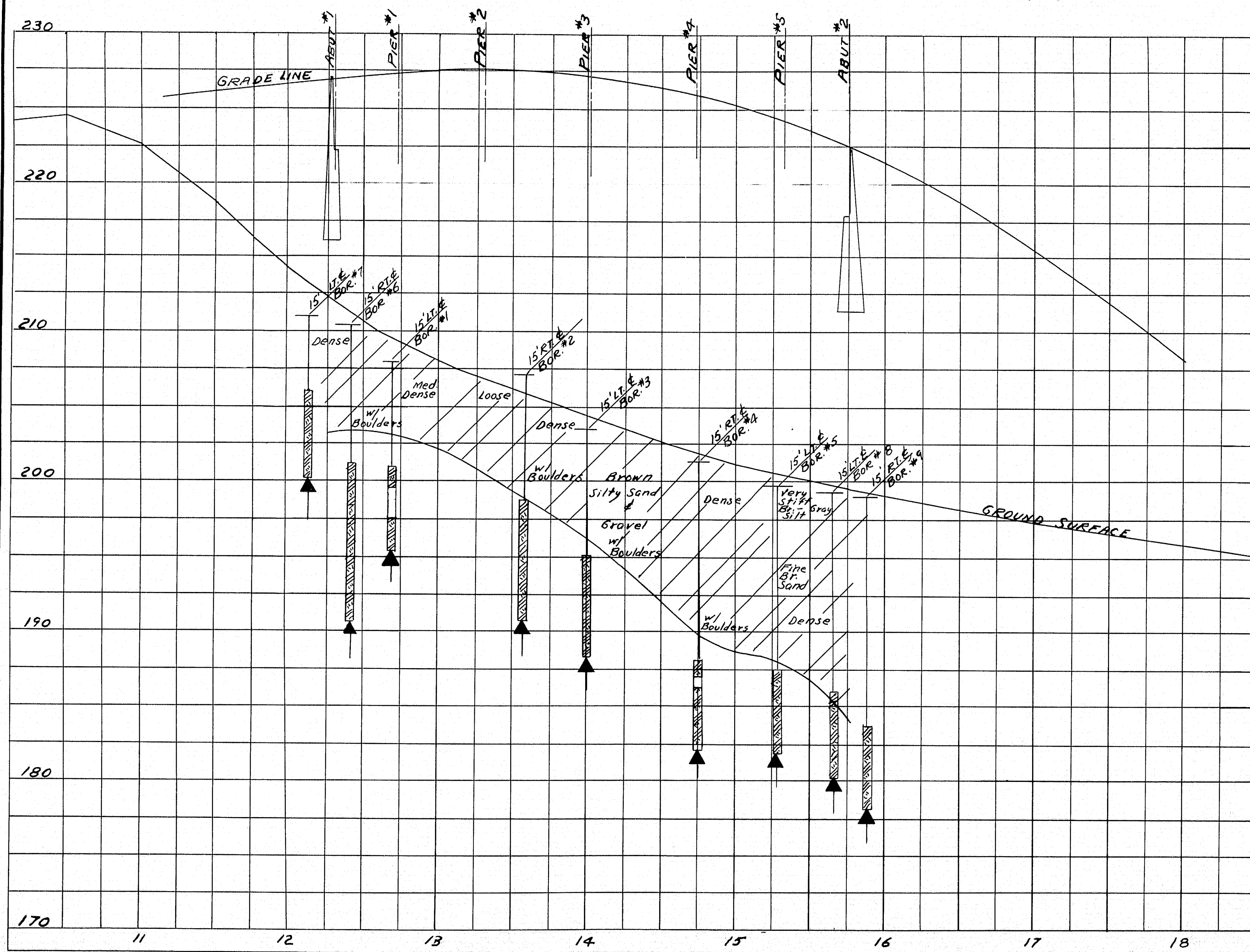
DATE



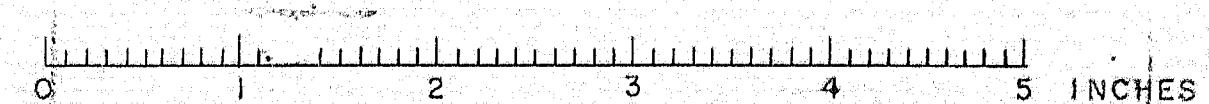
S. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-6 (16)	2	19



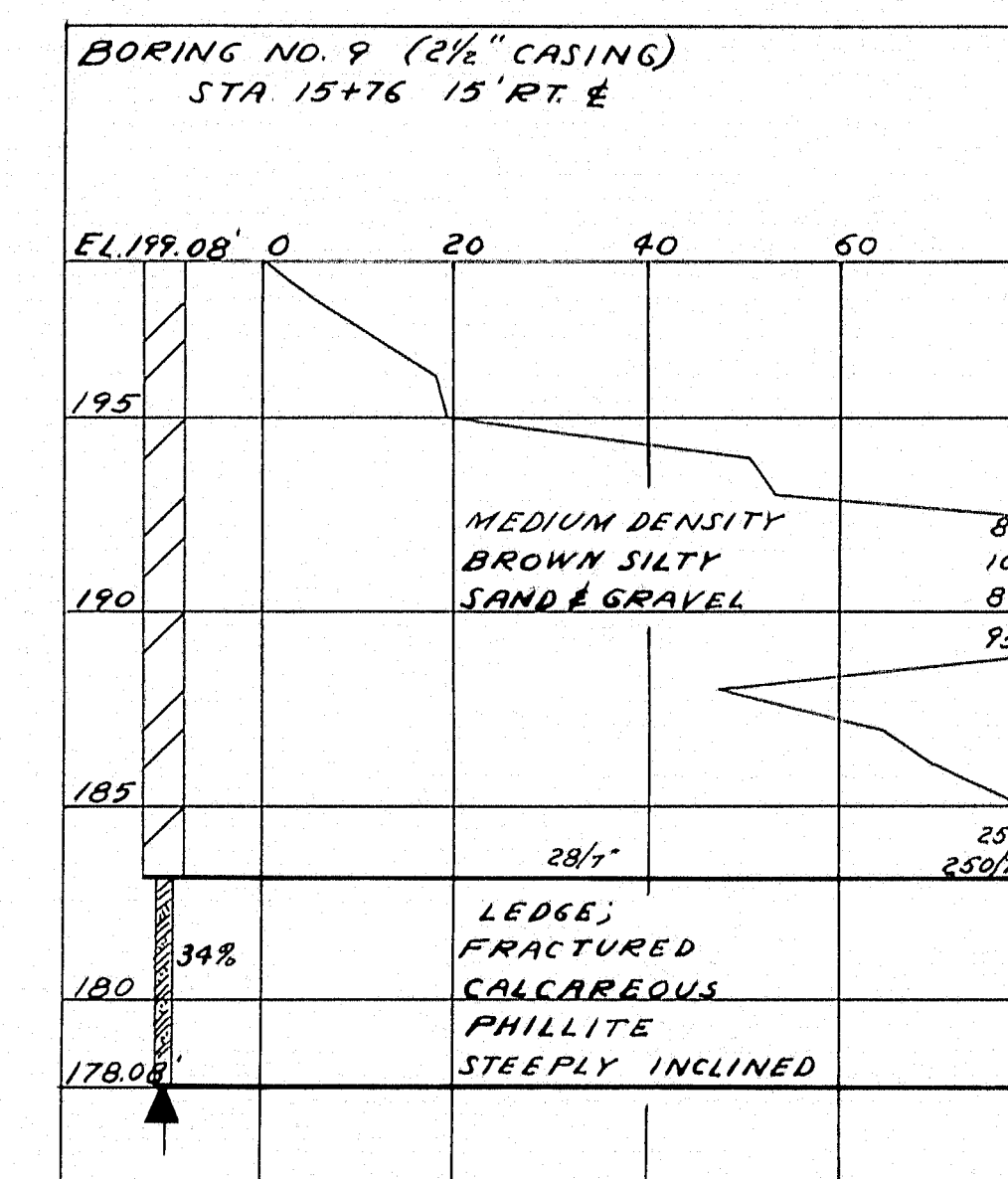
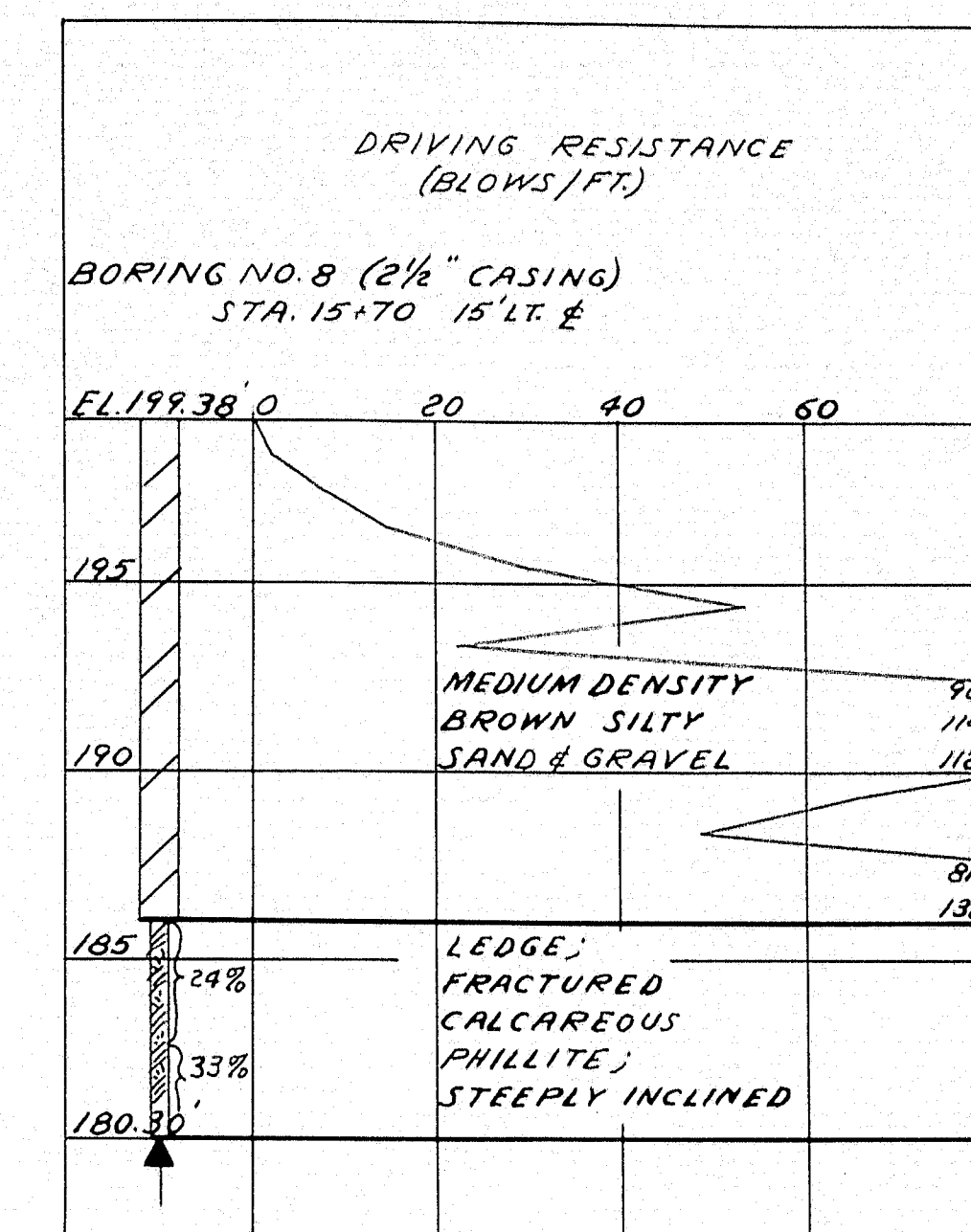
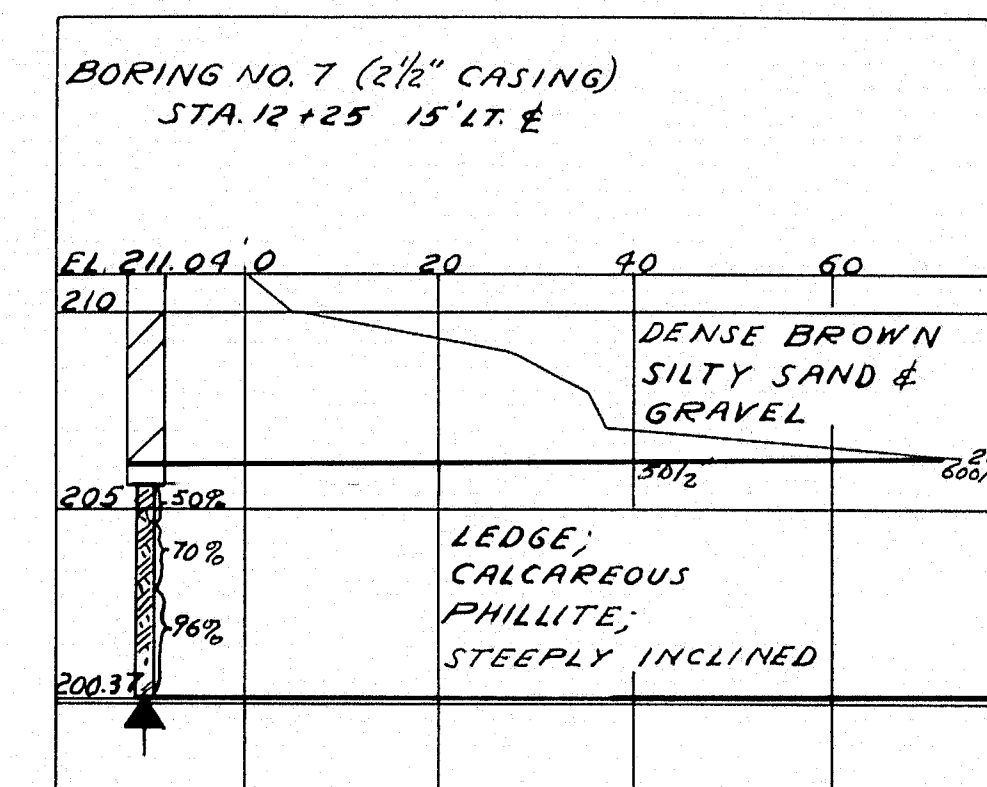
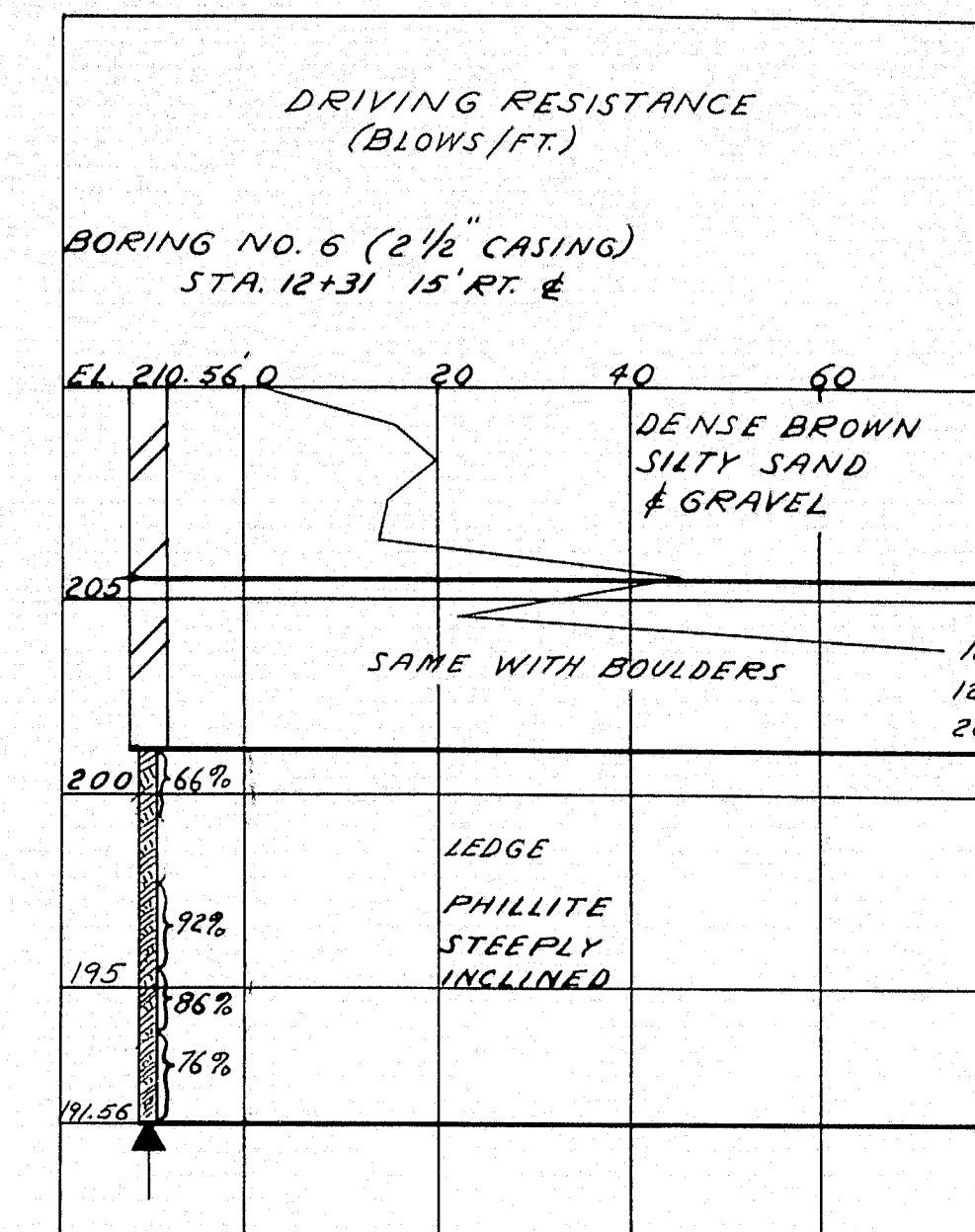
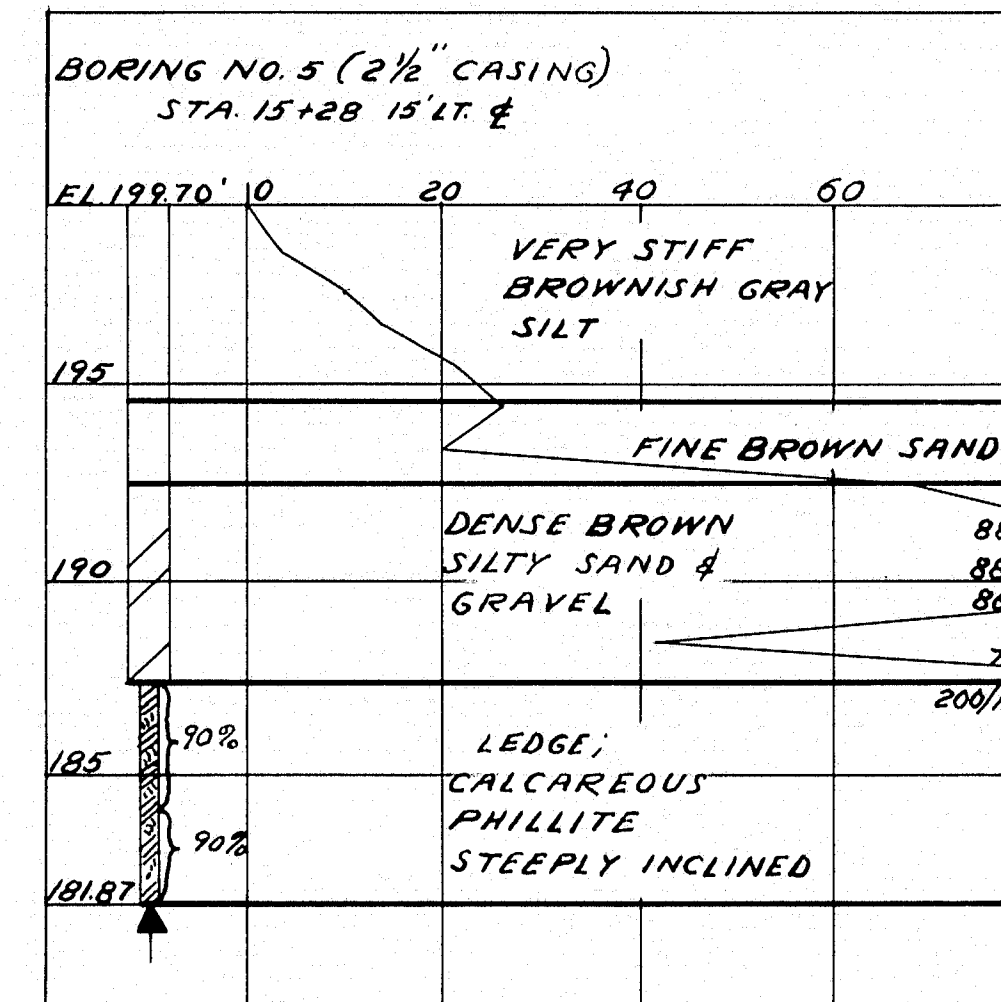
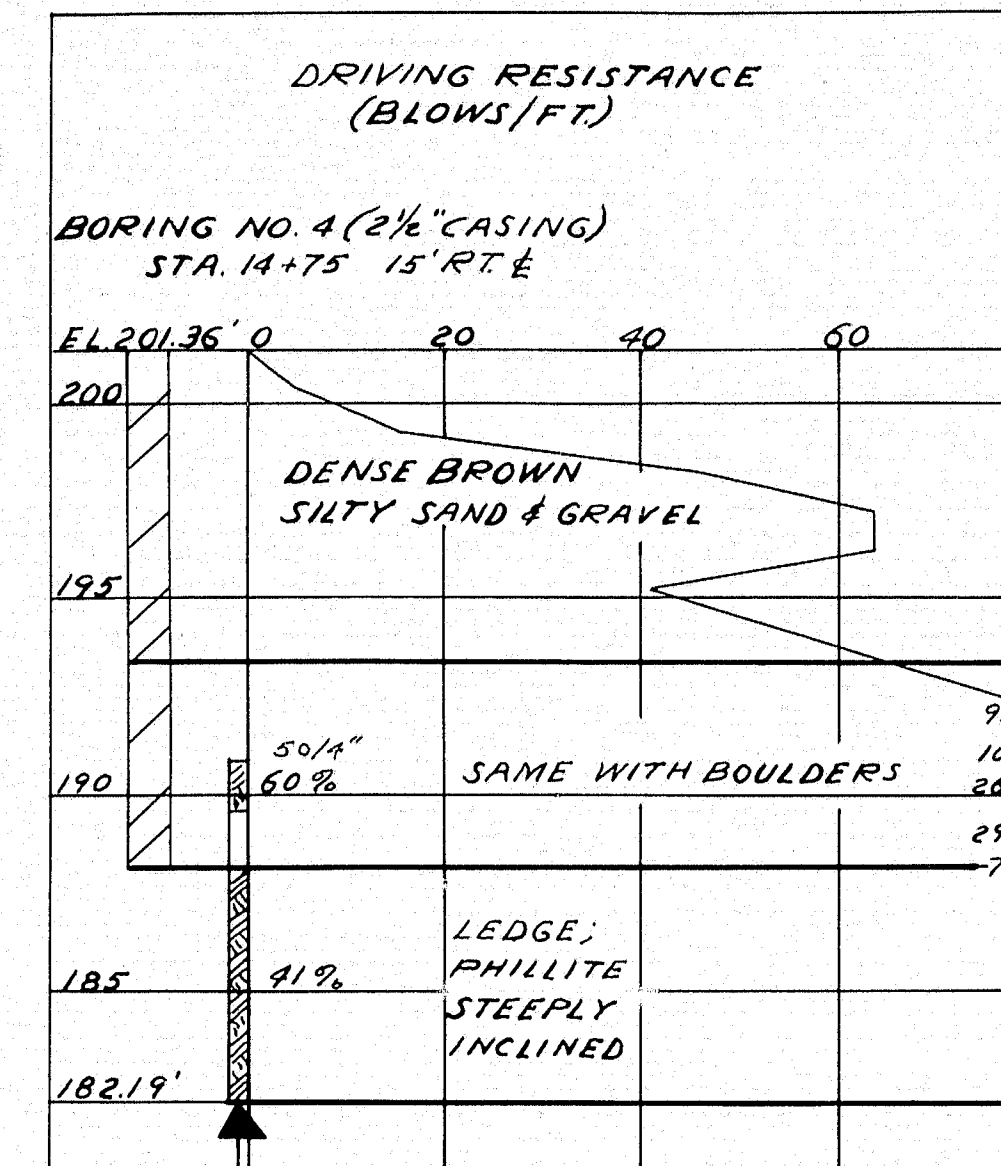
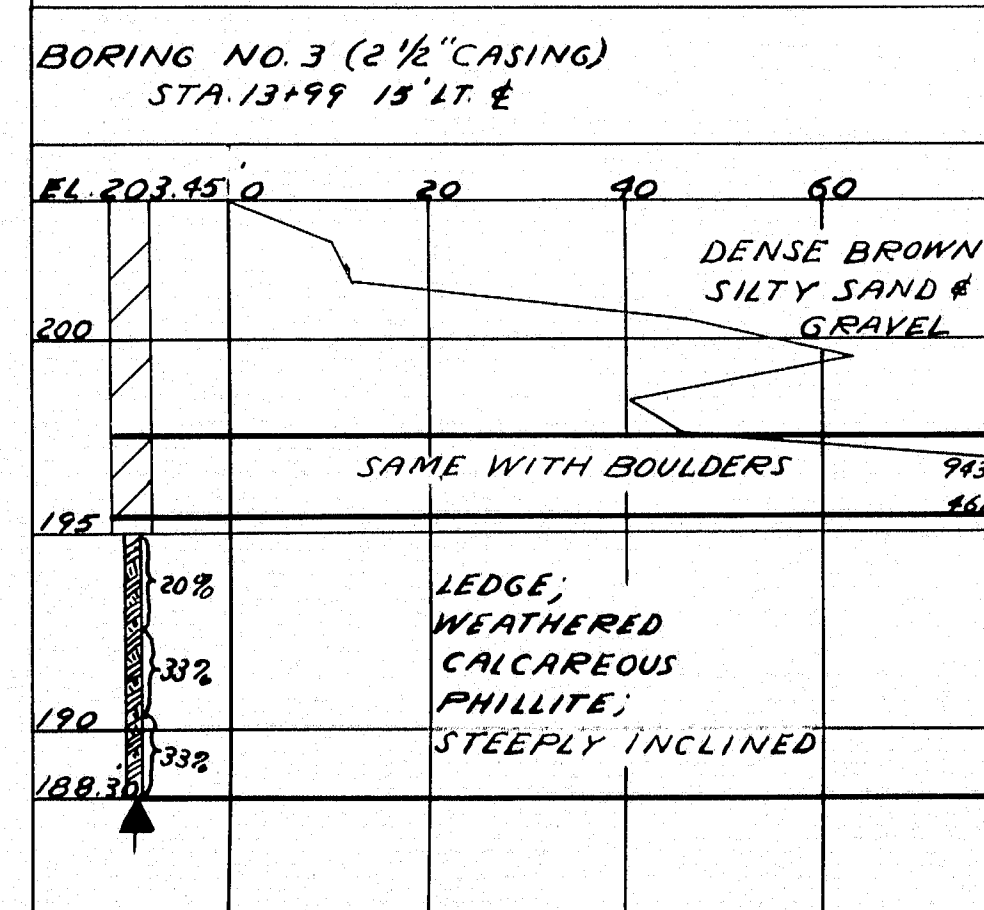
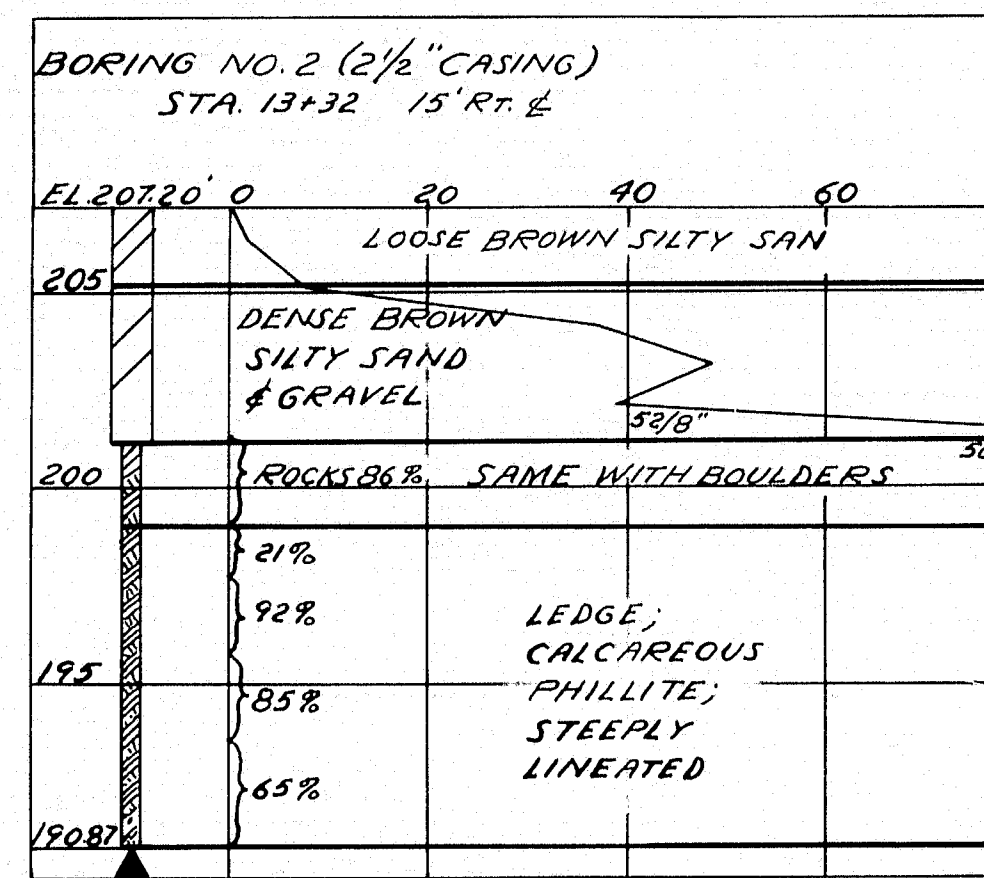
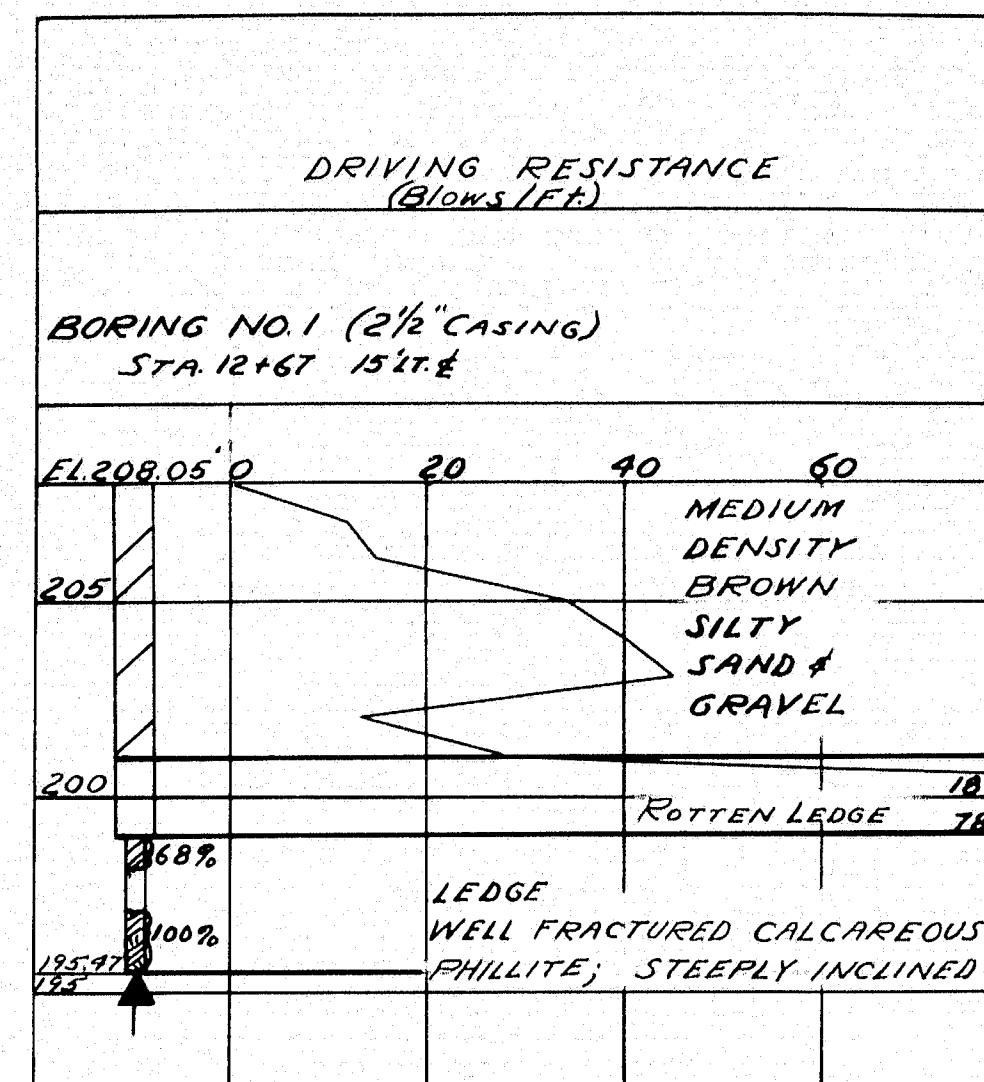
- WASH BORING
- SOUNDING
- ⊠ TEST PIT



DESIGN - V. SMITH  
 TRACE - V. SMITH  
 CHECK - G. TORI  
 BRIDGE NO. 1  
 SURVEY - 1958  
 PLOT -  
 STATE HIGHWAY COMMISSION  
 BRIDGE DIVISION  
**TRAFTON ROAD BRIDGE**  
 OVER  
**INTERSTATE HIGHWAY**  
 IN THE CITY OF  
**WATERVILLE**  
**KENNEBEC COUNTY**  
 SOILS PROFILE  
 SHEET 2 OF 19 AUGUSTA, MAINE MAY 1958







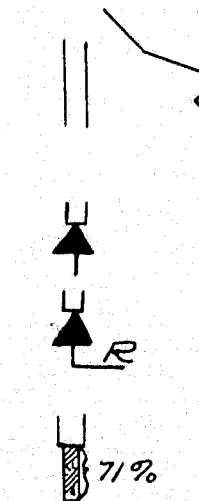
#### BORING NOTES

Number of blows of 275 # hammer falling 18" required to drive extra heavy casing one foot thus:

Bottom of boring indicated thus:

Refusal of drill rods or casing indicated thus:

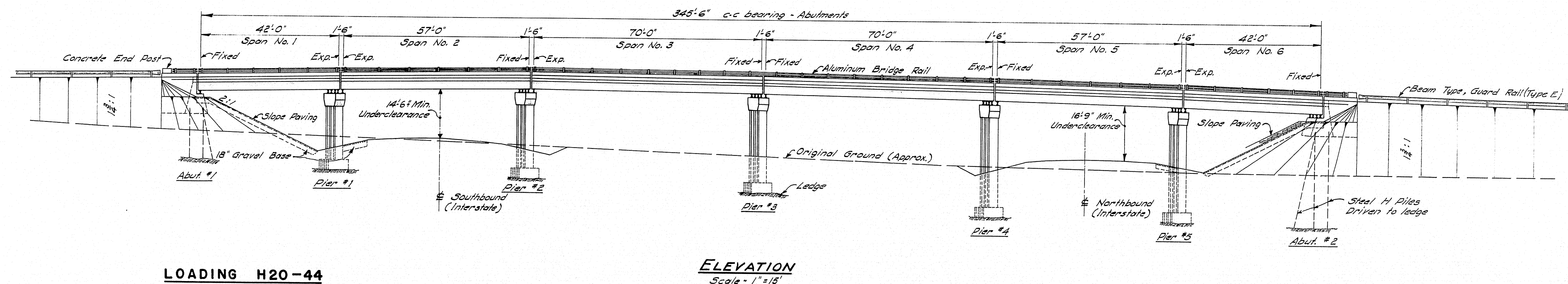
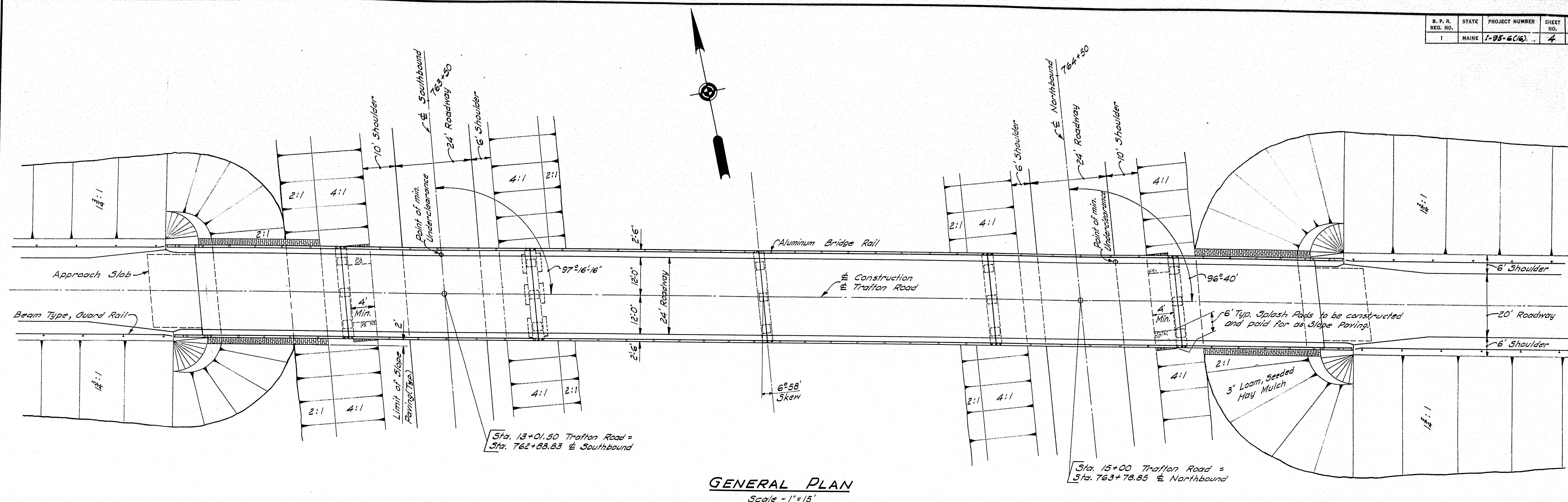
Percent recovery of rock core by diamond bit thus:



DESIGN - V. SMITH TRACE - G. T. TON	BRIDGE NO. SURVEY - PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TRAFTON ROAD BRIDGE OVER INTERSTATE HIGHWAY IN THE CITY OF WATERVILLE KENNEBEC COUNTY	
BORINGS	
SHEET 3 OF 19 AUGUSTA, MAINE MAY 1958	



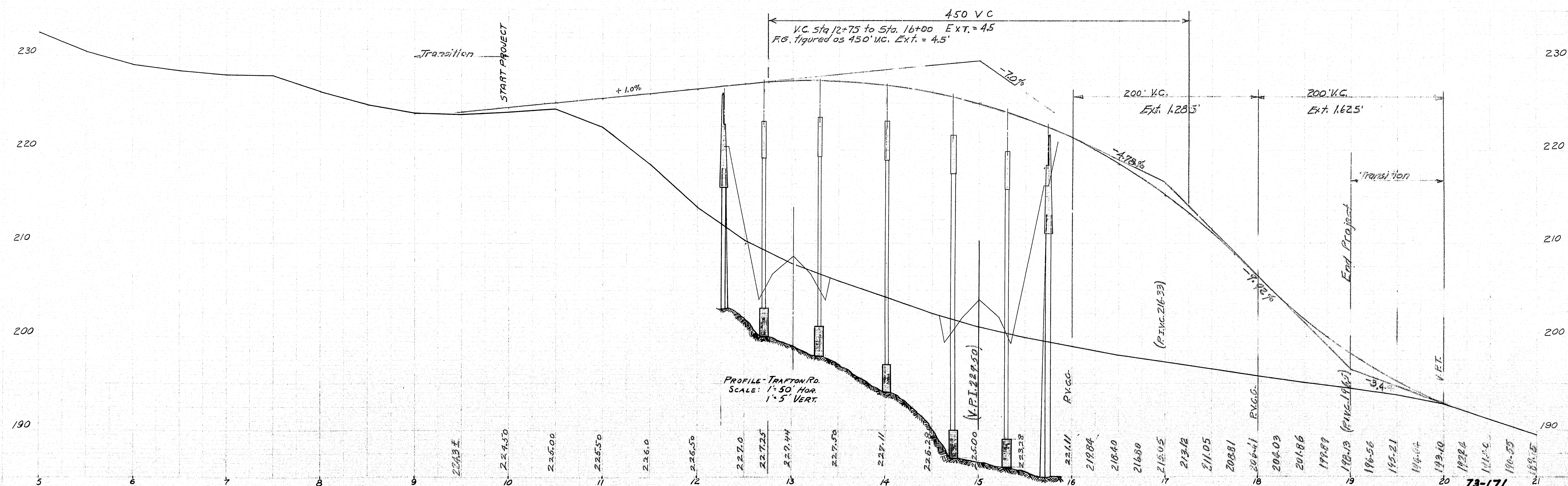
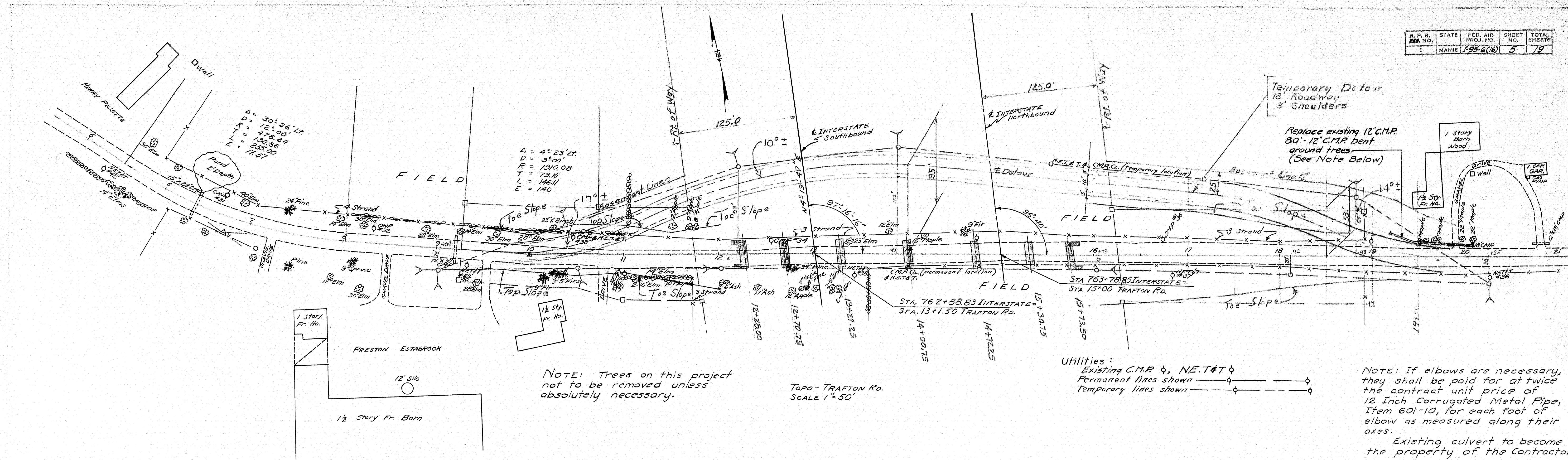
B. P. R.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-6(16)	4	19



PLAN - Clark	BRIDGE NO.
TRACE -	SURVEY -
CHECK - Cotton	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TRAFTON ROAD BRIDGE OVER	
INTERSTATE HIGHWAY IN THE CITY OF KENNEBEC COUNTY	
GENERAL PLAN & ELEVATION	
SHEET 4 OF 19 AUGUSTA, MAINE MAY 1958	

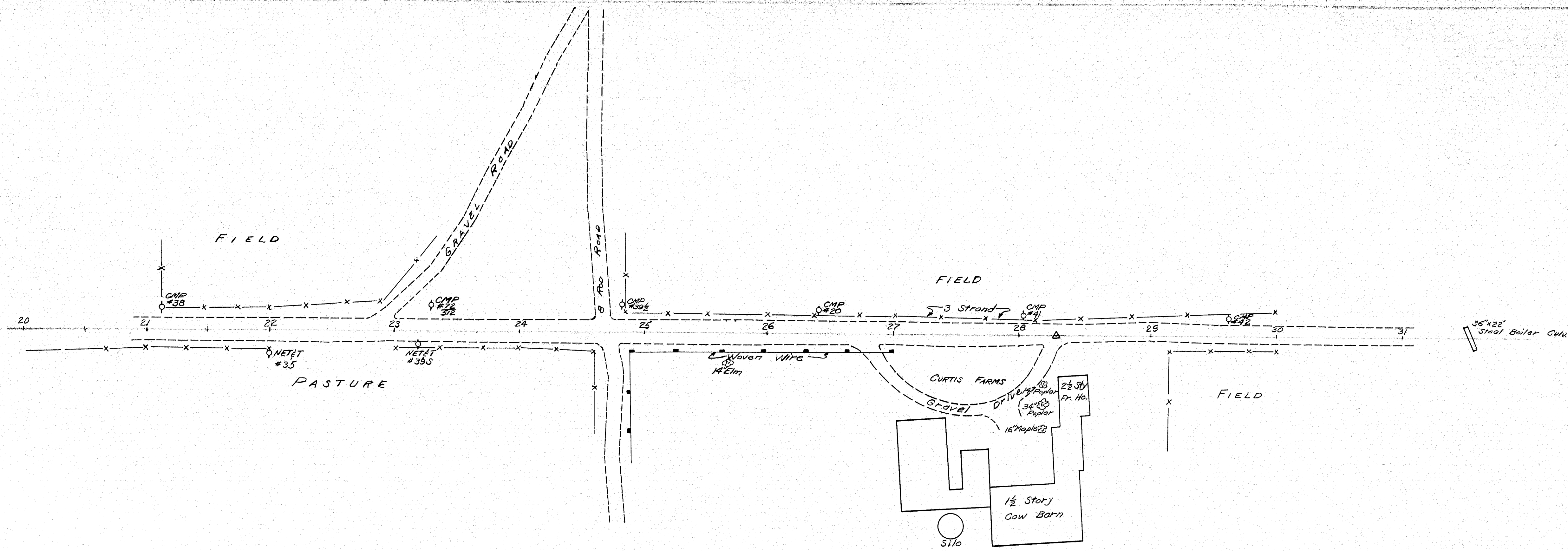


D. P. R. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-2(18)	5	19

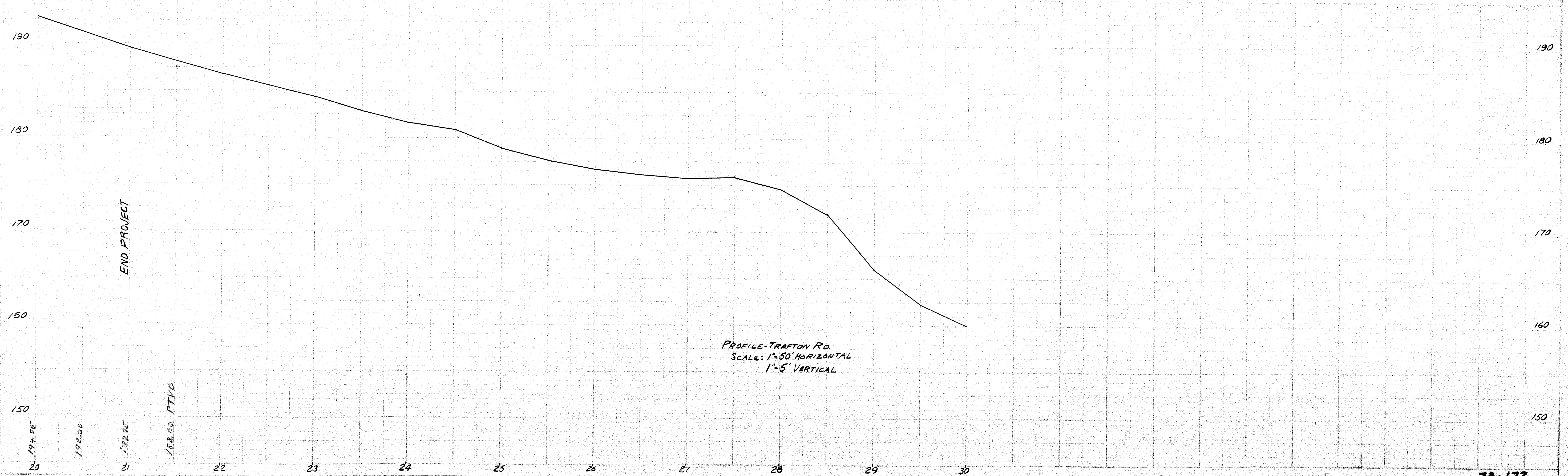




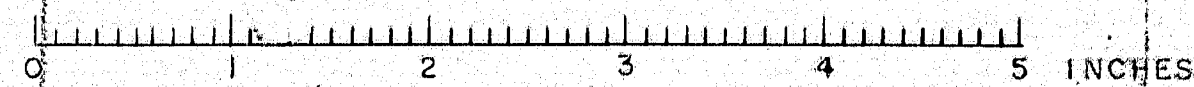
S. P. R. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-6(6)	6	19



TOPO - TRAFTON RD.  
SCALE 1" = 50'

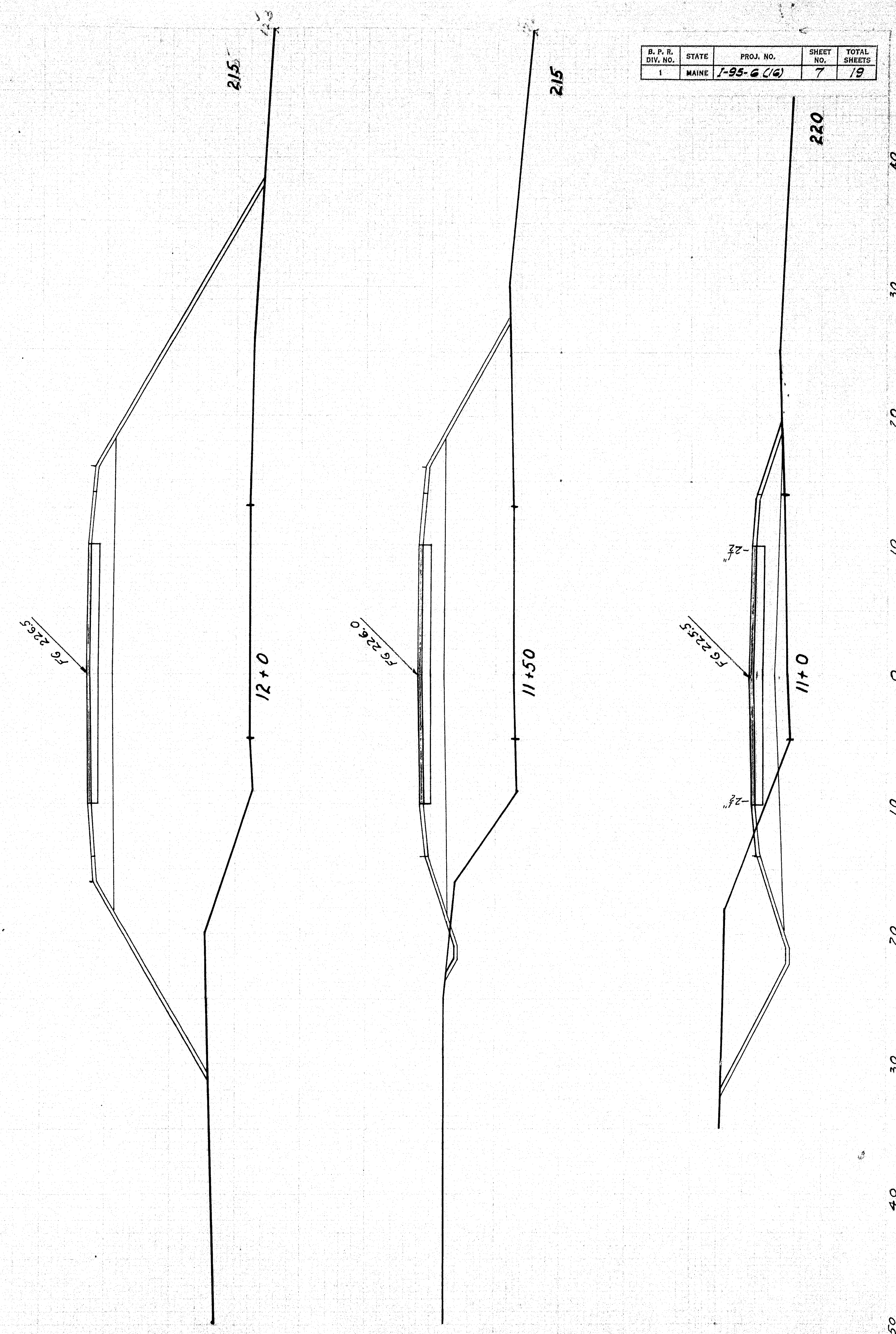
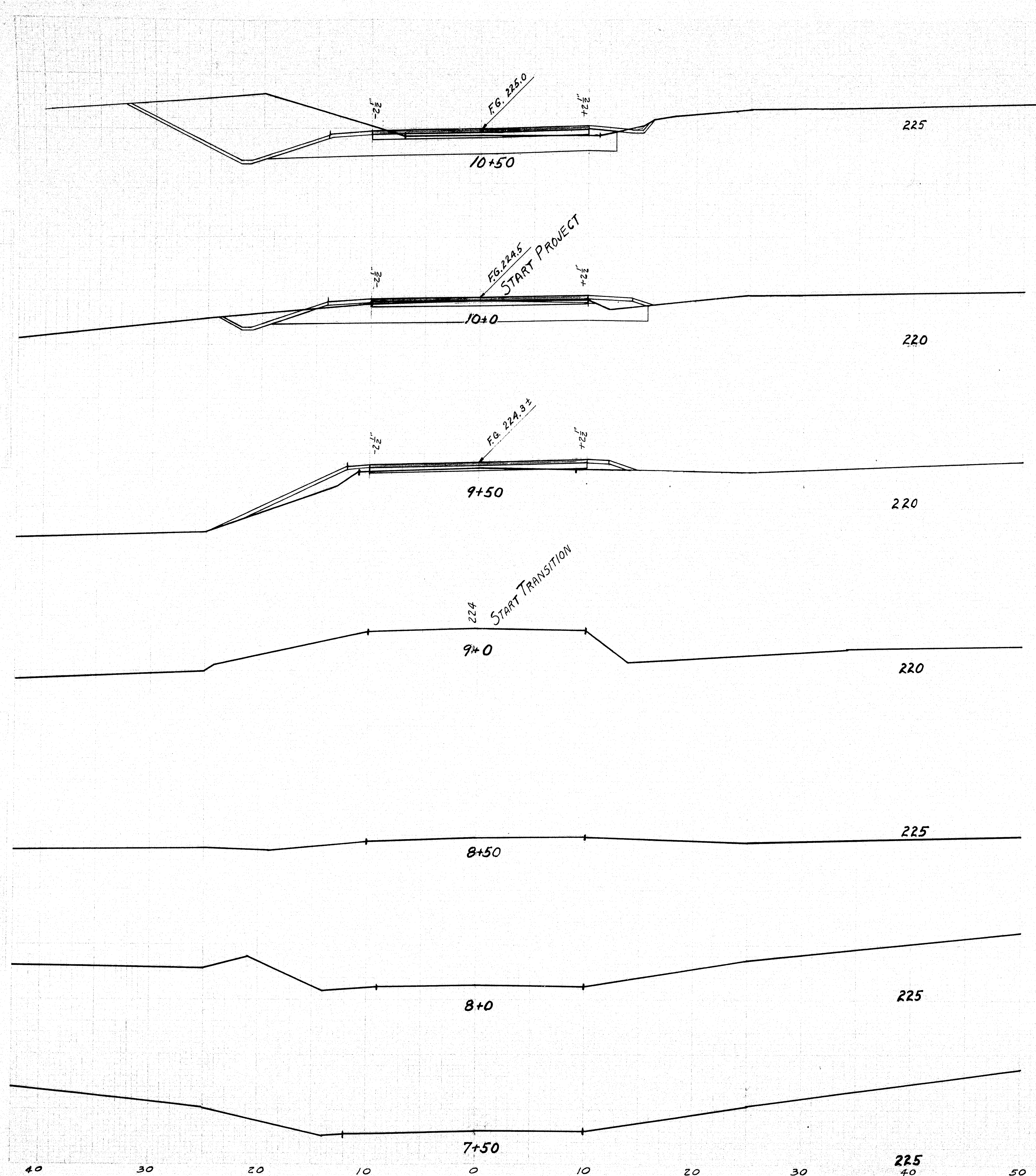


PROFILE - TRAFTON RD.  
SCALE: 1" = 50' HORIZONTAL  
1" = 5' VERTICAL



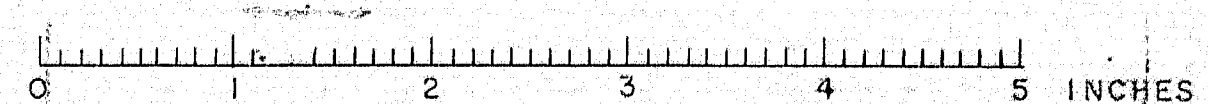


B. P. R. DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-6 (16)	7	19



**TRAFTON ROAD BRIDGE, WATERVILLE, MAINE**

CROSS SECTIONS - Sheet 7 of 19  
73-173

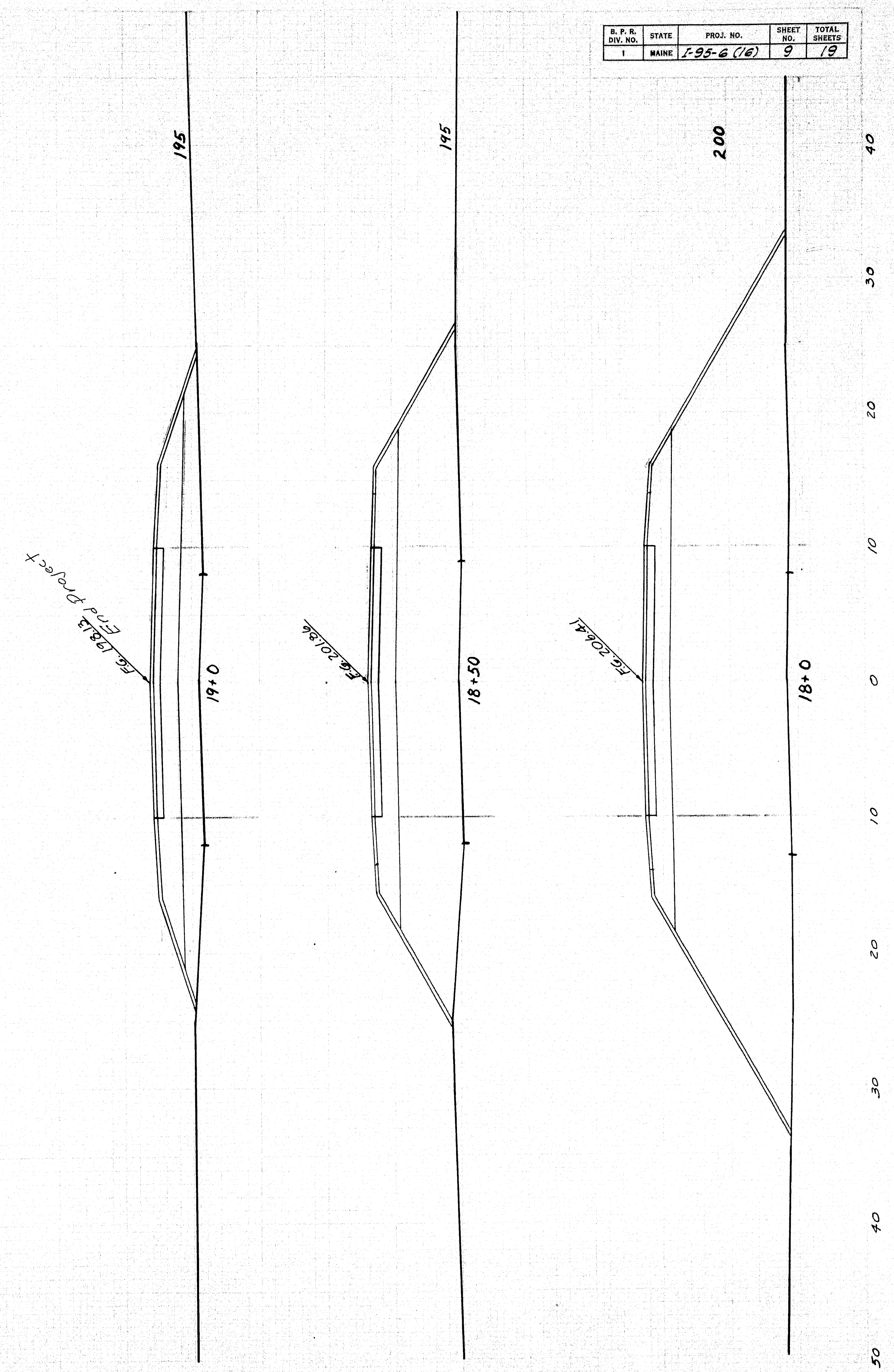
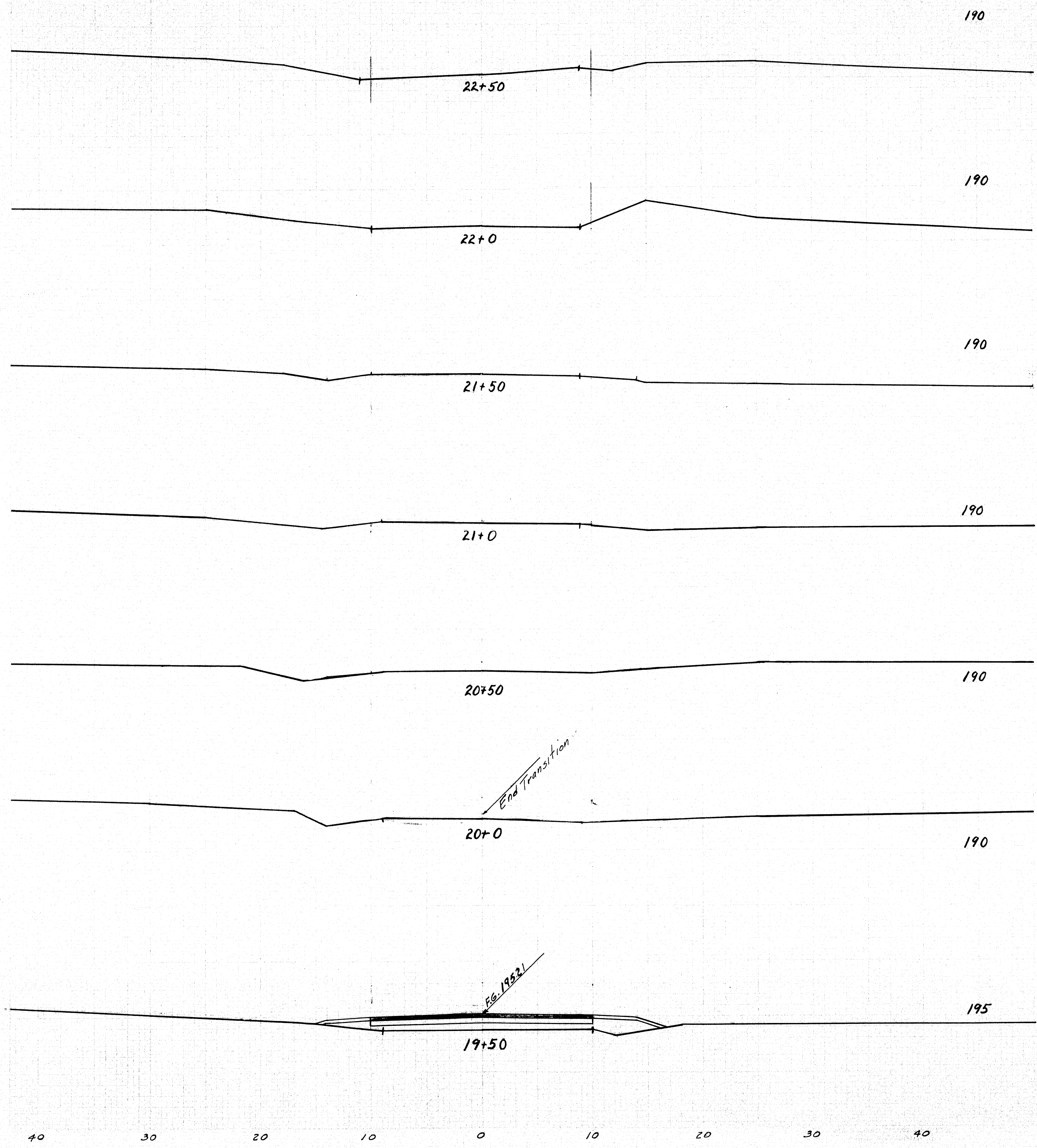




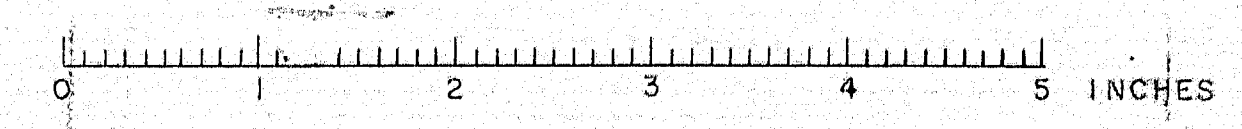




B. P. R. DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-6 (16)	9	19



TRAFTON ROAD BRIDGE, WATERVILLE, MAINE 73-175  
CROSS SECTIONS - Sheet 9 of 19



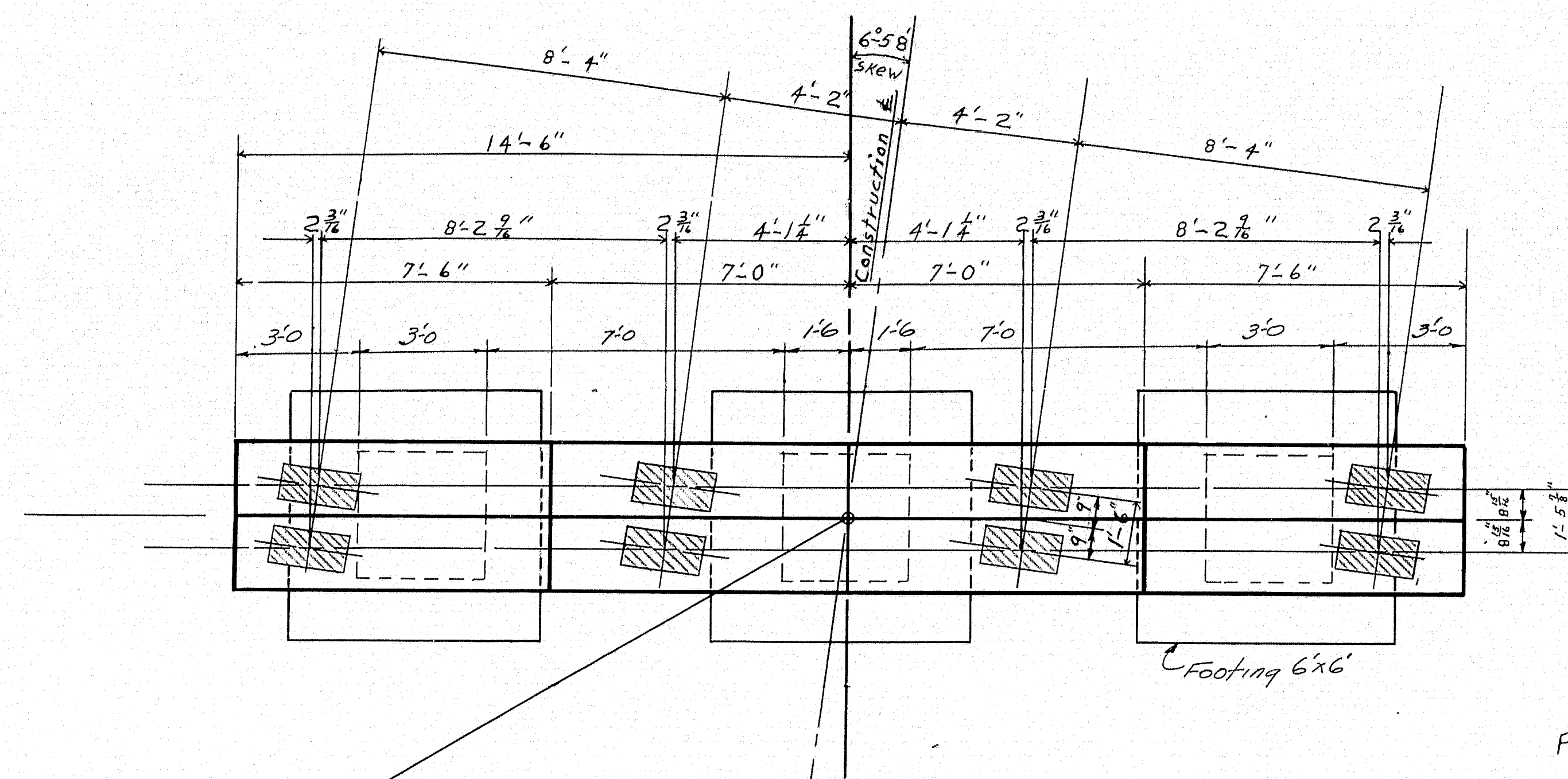








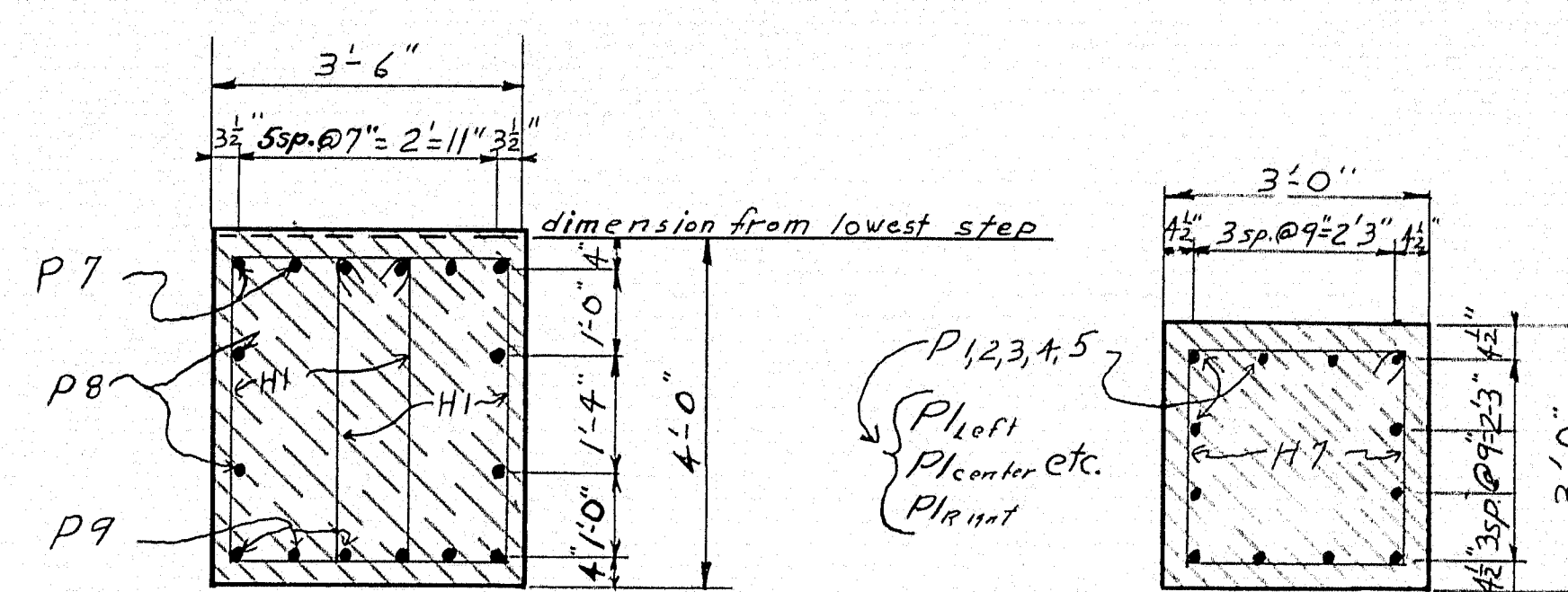




TYPICAL PIER PLAN

± Pier 1 Sta. 12+70.75  
± Pier 2 Sta. 13+29.25  
± Pier 3 Sta. 14+00.75  
± Pier 4 Sta. 14+72.25  
± Pier 5 Sta. 15+30.75

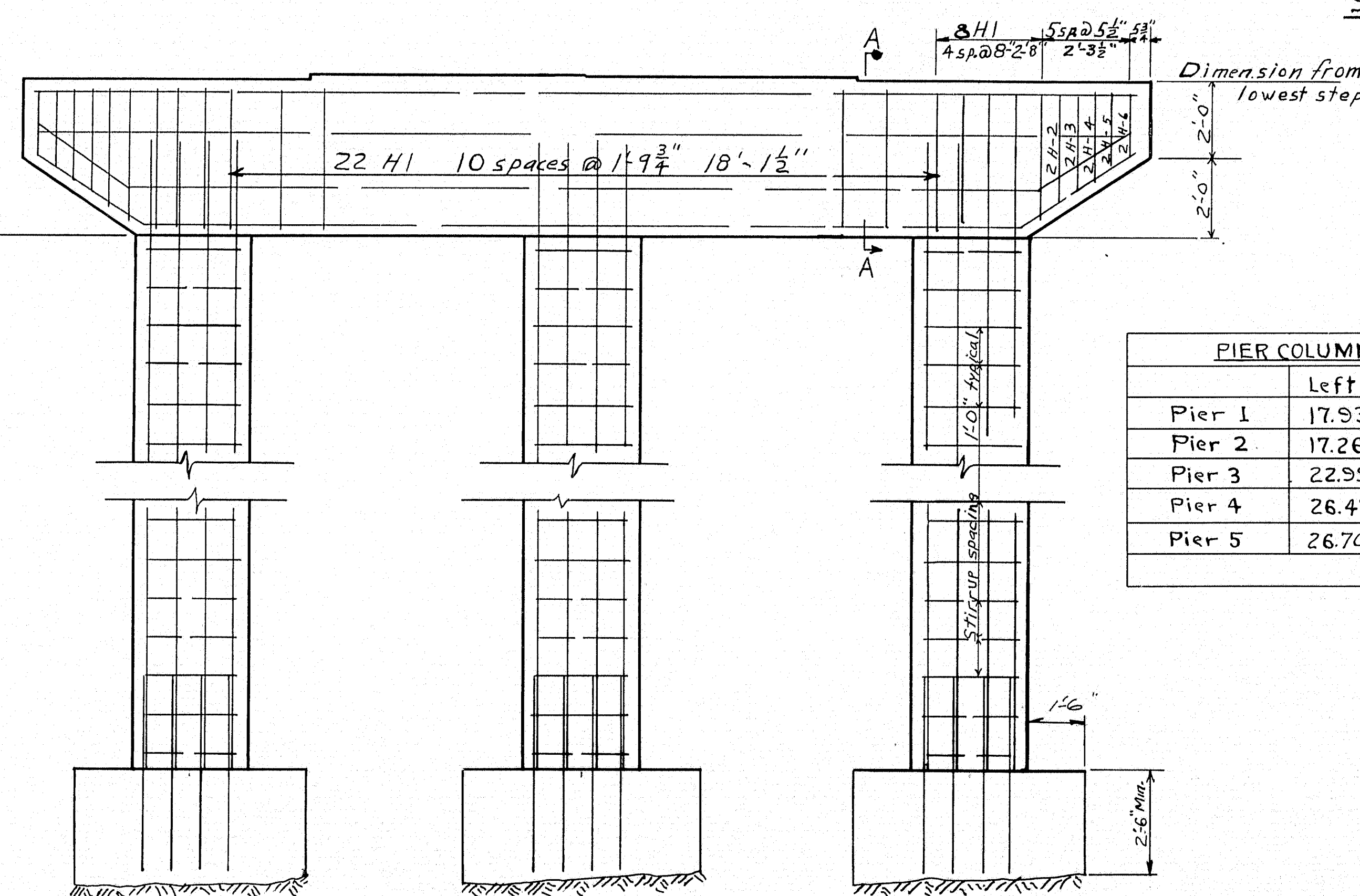
Note: Dress bearing area 1" larger all around than size of masonry plate and to exact elevation shown



SECTION A-A

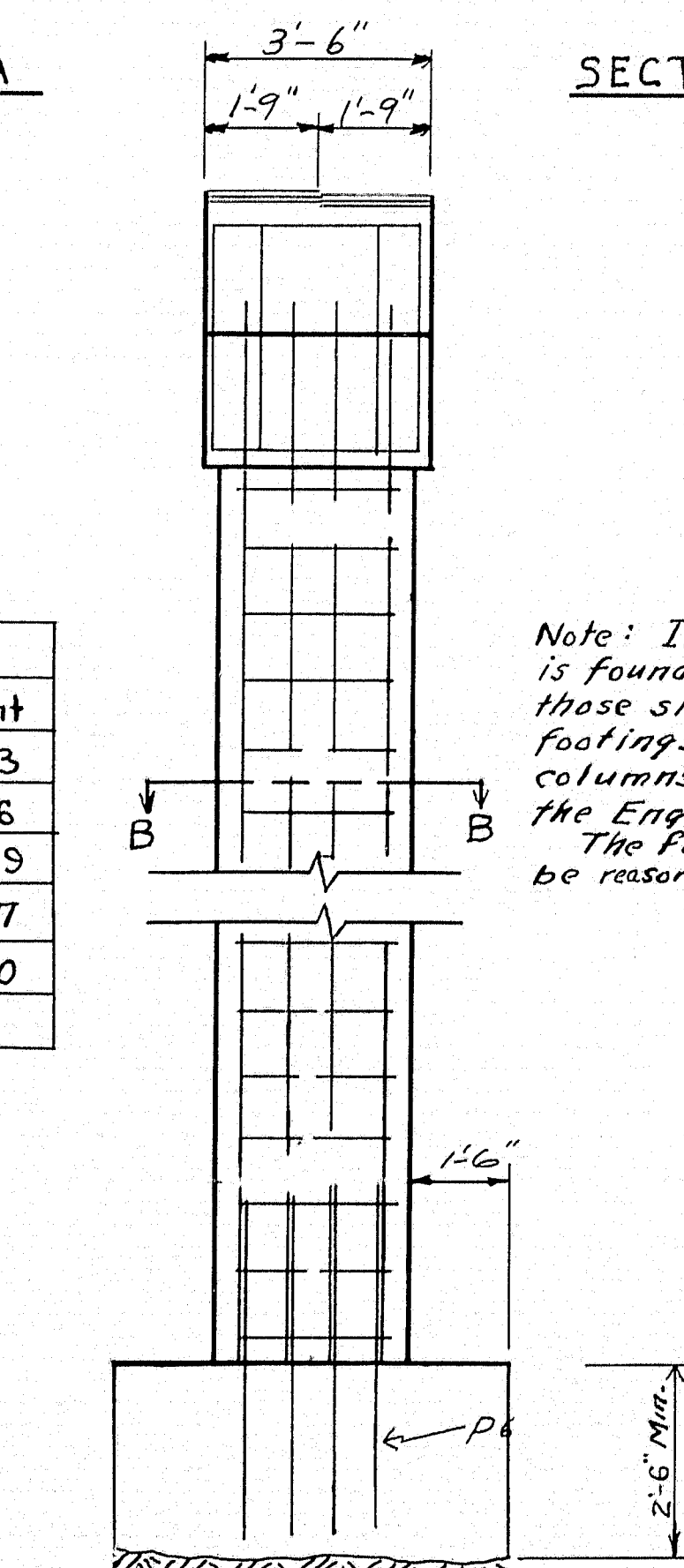
SECTION B-B

Pier 1 El. = 218.93  
" 2 " 219.26  
" 3 " 218.99  
" 4 " 217.41  
" 5 " 215.70



TYPICAL PIER ELEVATION

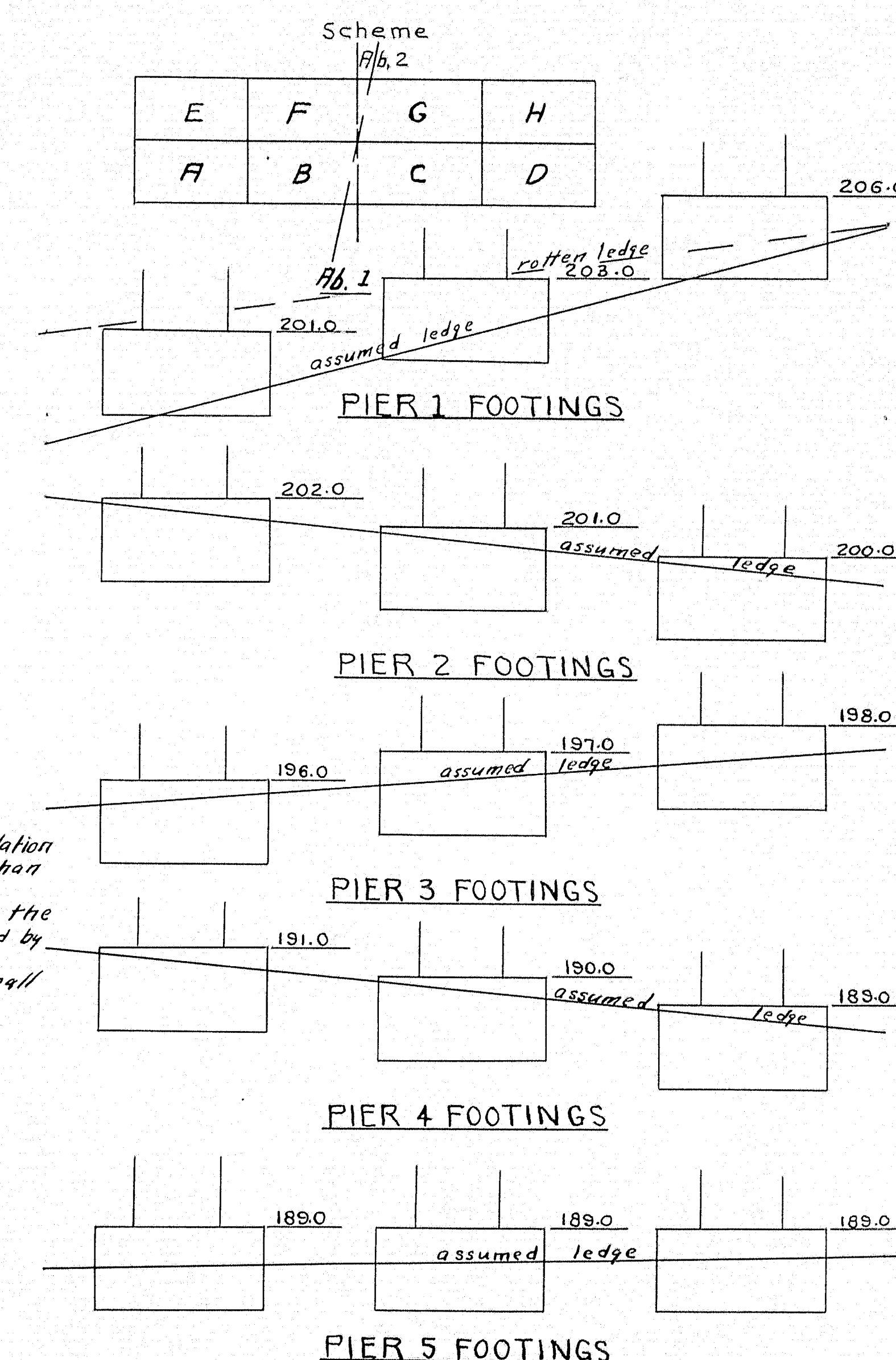
PIER COLUMN LENGTHS			
	Left	Center	Right
Pier 1	17.93	15.93	12.93
Pier 2	17.26	18.26	19.26
Pier 3	22.99	21.99	20.99
Pier 4	26.47	27.47	28.47
Pier 5	26.70	26.70	26.70



END ELEVATION

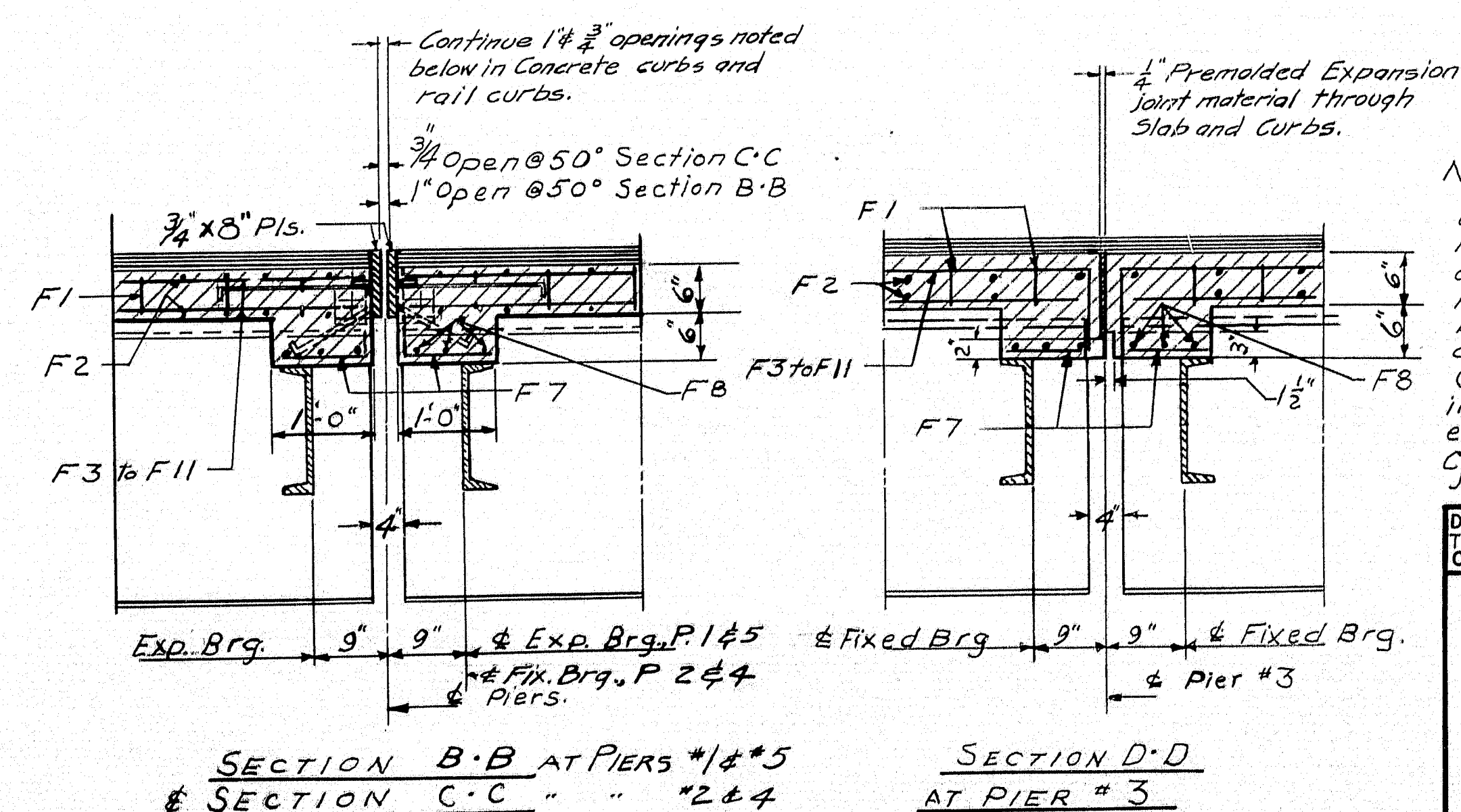
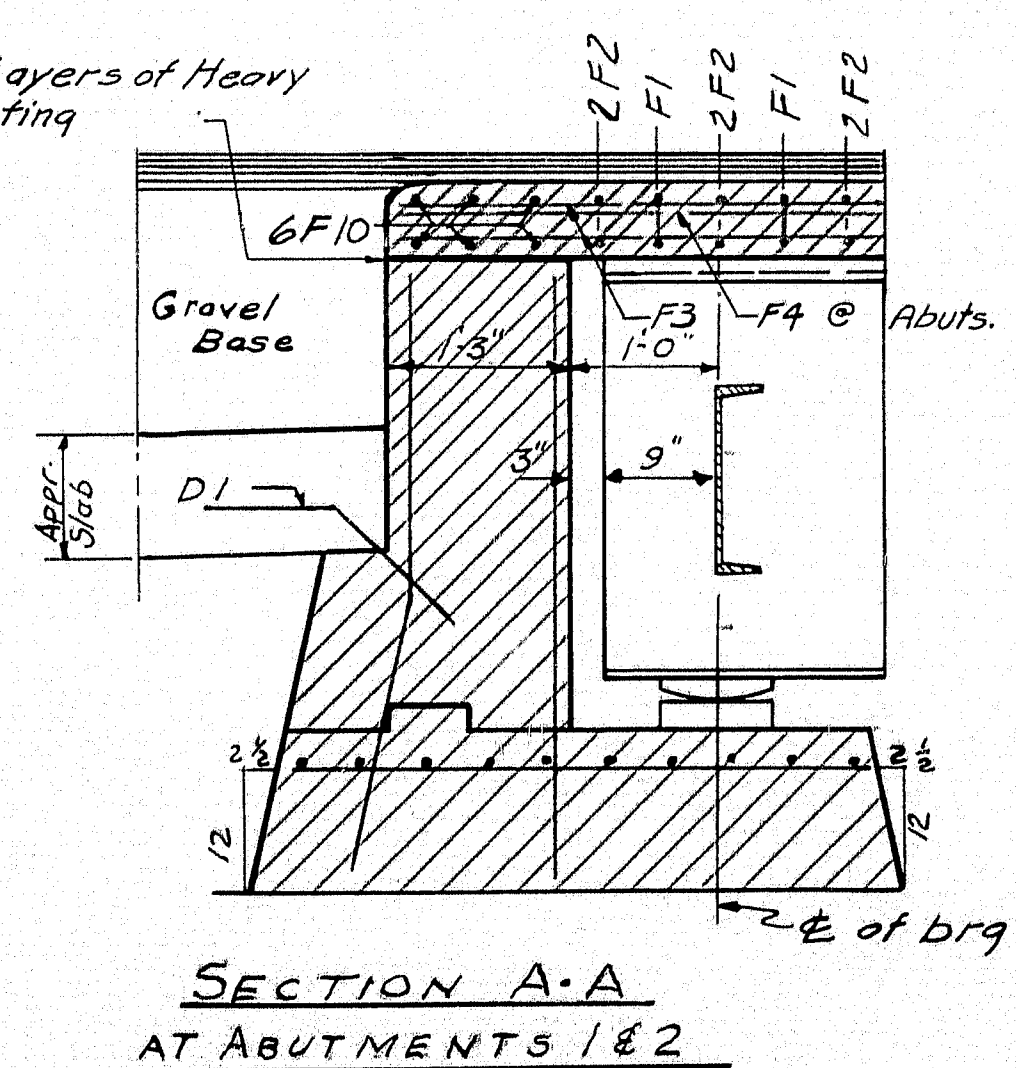
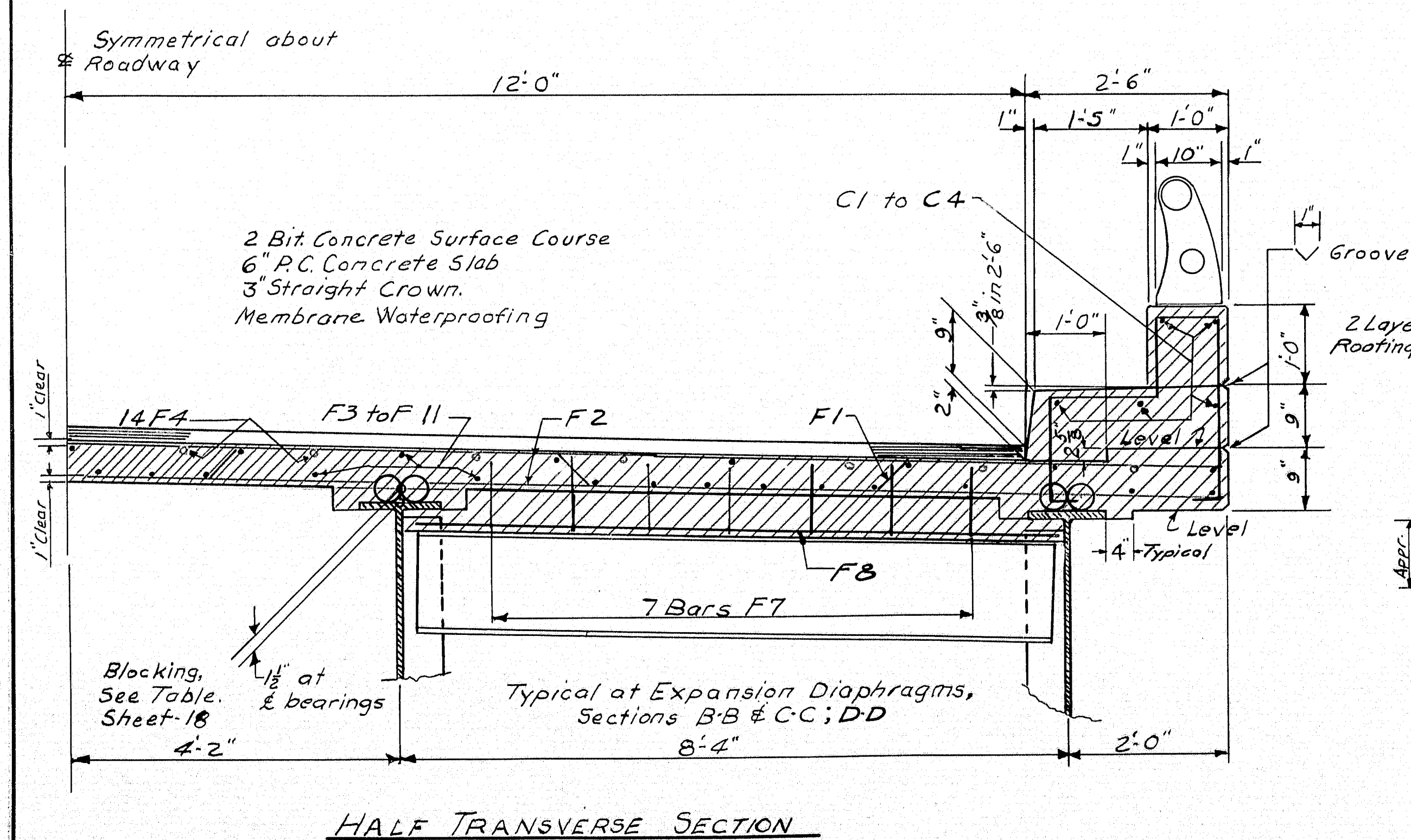
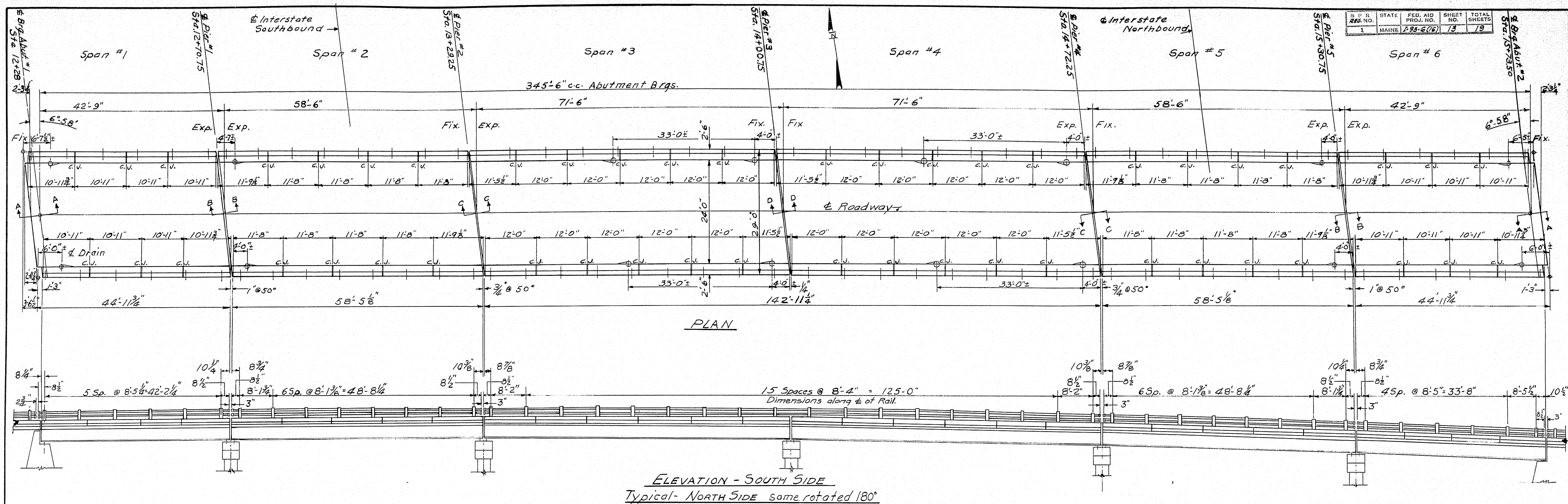
Note: If ledge suitable for foundation is found at higher elevations than those shown on the plans the footings may be raised and the columns shortened as directed by the Engineer in the field. The footing foundations shall be reasonably level.

BEARING AREAS									
Description	ELEVATIONS				Description	ELEVATIONS			
	A	B	C	D		E	F	G	H
Span 5 Pier 5	219.81	219.93	219.89	219.70	Span 6 Abut	218.34	218.46	218.41	218.21
Span 4 Pier 4	221.55	221.69	221.66	221.47	Span 5 Pier 5	219.98	220.11	220.07	219.87
Span 3 Pier 3	223.05	223.20	223.19	223.01	Span 4 Pier 4	221.70	221.84	221.81	221.62
Span 2 Pier 2	223.45	223.61	223.61	223.45	Span 3 Pier 3	223.03	223.18	223.17	222.99
Span 1 Pier 1	223.16	223.33	223.35	223.20	Span 2 Pier 2	223.26	223.42	223.42	223.26
Span 1 Abut 1	222.74	222.92	222.93	222.77	Span 1 Pier 1	222.93	223.10	223.11	222.96



DESIGN-GORMLEY  
TRACE-MORRISON-BARNES  
CHECK-Coffey  
BRIDGE NO.  
STATE HIGHWAY COMMISSION  
BRIDGE DIVISION  
TRAFTON ROAD BRIDGE  
OVER  
INTERSTATE HIGHWAY  
IN THE CITY OF  
WATERVILLE  
KENNEBEC COUNTY  
PIERS  
SHEET 12 OF 19 AUGUSTA, MAINE MAY 1958





**NOTE**

Curb Joint, Rail Post & Drain spacings are measured along extreme outside edge of curbs.

All dimensions shown are horizontal.

Break bond at construction joints in curbs and rail curbs with a coat of asphalt paint.

Construct 1/2" V Groove at Joints of interior faces of rail curbs, curb and exterior face of bridge.

Chamfer exposed edges of concrete 1/2".

Joints to be plumb.

DESIGN - JONES  
TRACE - ALLEN  
CHECK - Cotton

BRIDGE NO.

STATE HIGHWAY COMMISSION  
BRIDGE DIVISION

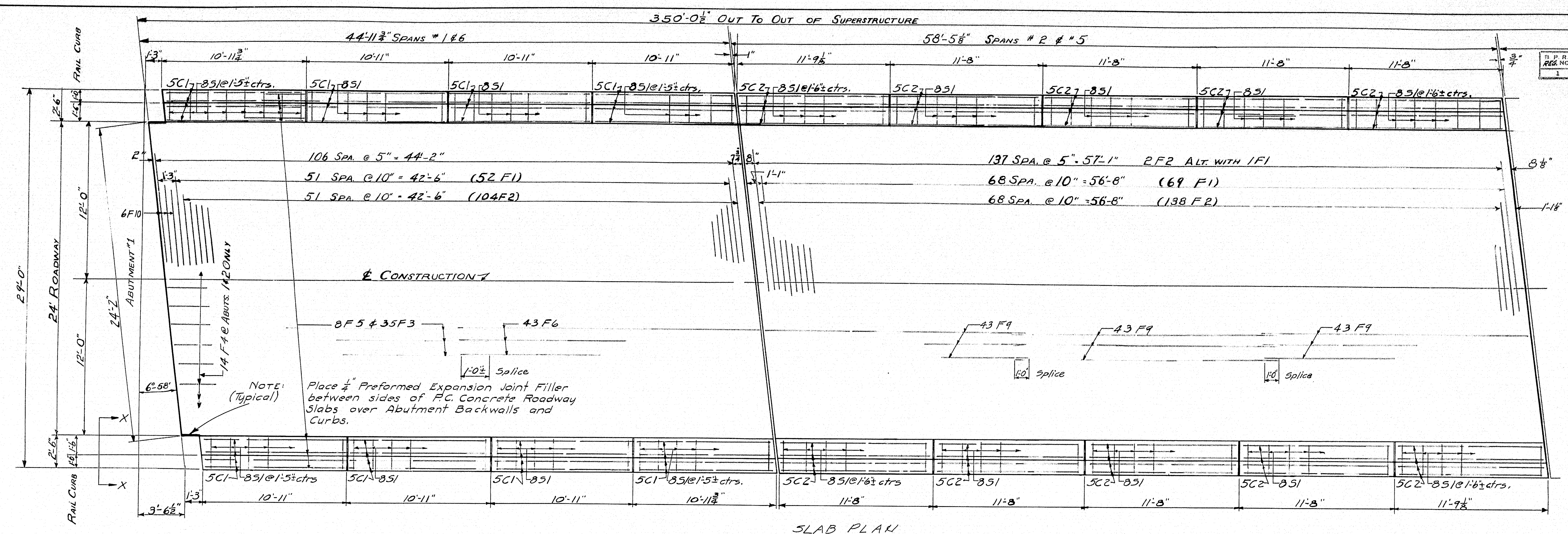
**TRAFTON ROAD BRIDGE**  
OVER  
**INTERSTATE HIGHWAY**  
IN THE CITY OF  
**WATERVILLE**  
**KENNEBEC COUNTY**

SUPERSTRUCTURE PLAN  
RAIL & DRAIN LAYOUT

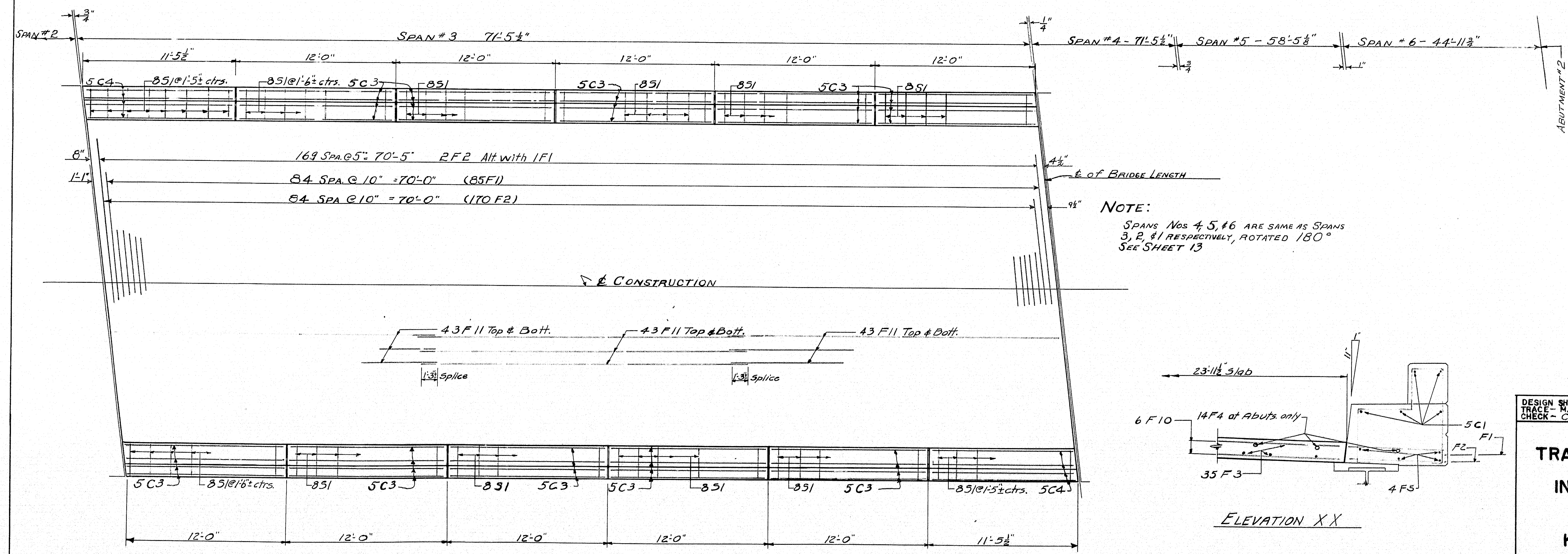
SHEET 13 OF 19 AUGUSTA, MAINE MAY 1959



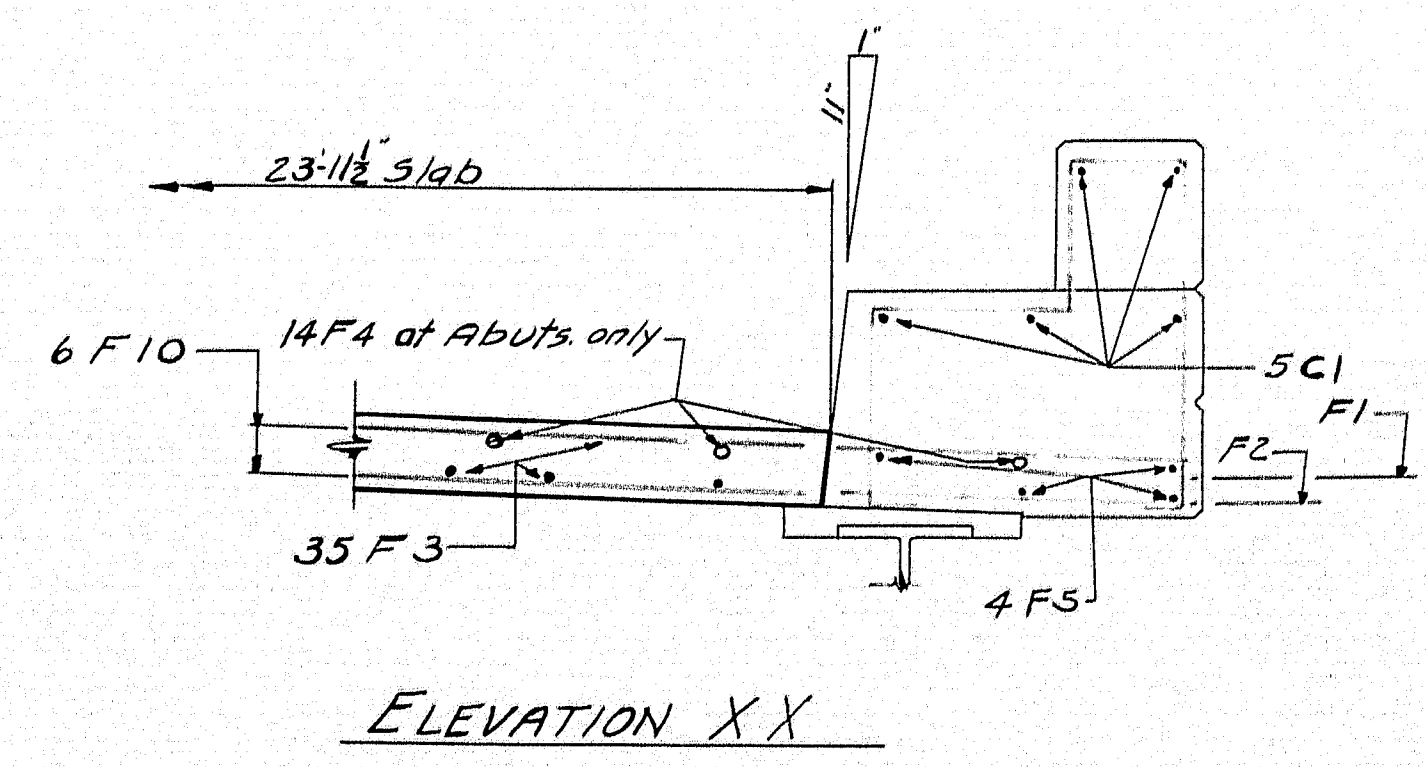
B.P.R.	STATE	FED. AID	SHEET	TOTAL
NO.	NO.	NO.	NO.	SHEETS
1	MAINE	1-95-6(2)	14	19



SLAB PLAN



NOTE:  
SPANS Nos 4, 5, 6 ARE SAME AS SPANS  
3, 2, 1 RESPECTIVELY, ROTATED 180°  
SEE SHEET 13



ELEVATION XX

DESIGN SHALER DETAIL:HLJ	BRIDGE NO.
TRACE - M.W.M.	SURVEY
CHECK - Cotton	PLOT

STATE HIGHWAY COMMISSION  
BRIDGE DIVISION

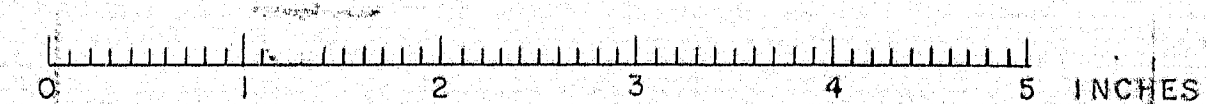
**TRAFTON ROAD BRIDGE**

OVER  
**INTERSTATE HIGHWAY**

IN THE CITY OF  
**WATERVILLE**

**KENNEBEC COUNTY**

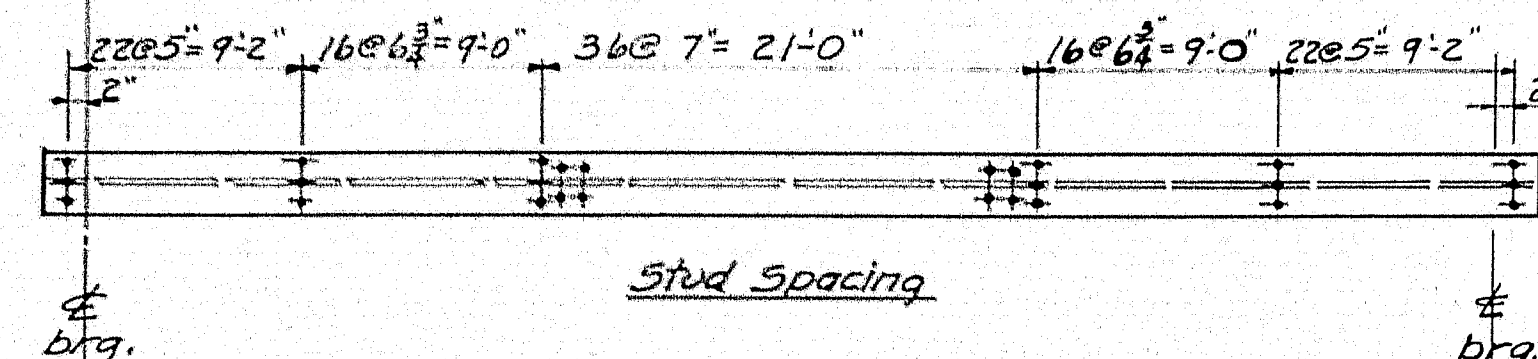
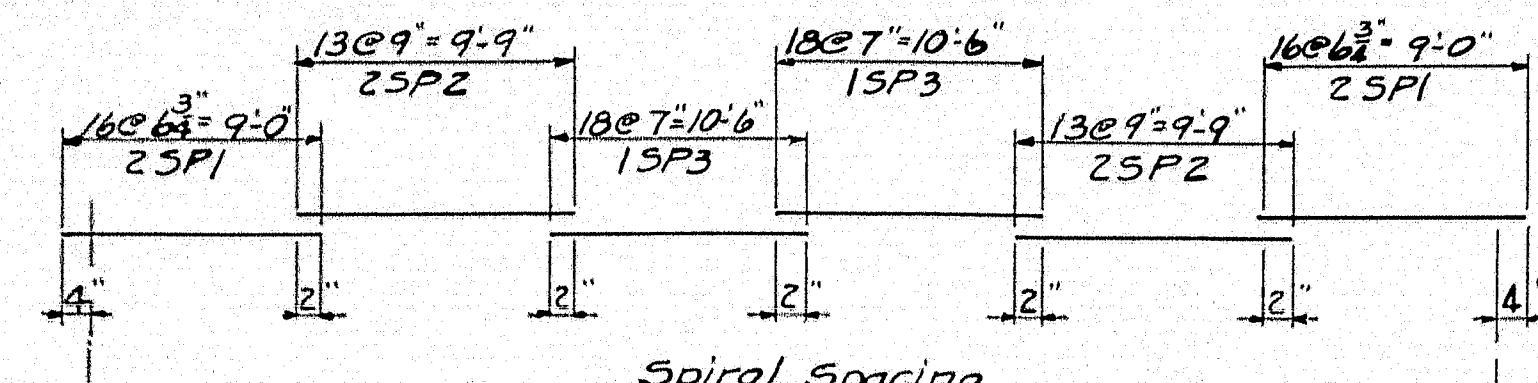
SUPERSTRUCTURE  
SHEET 14 OF 19 AUGUSTA, MAINE MAY, 1958



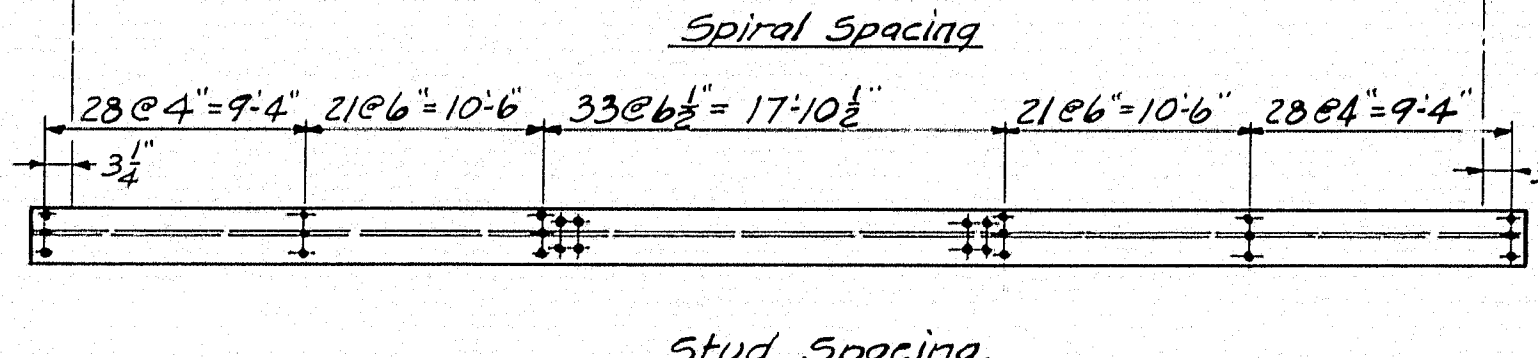
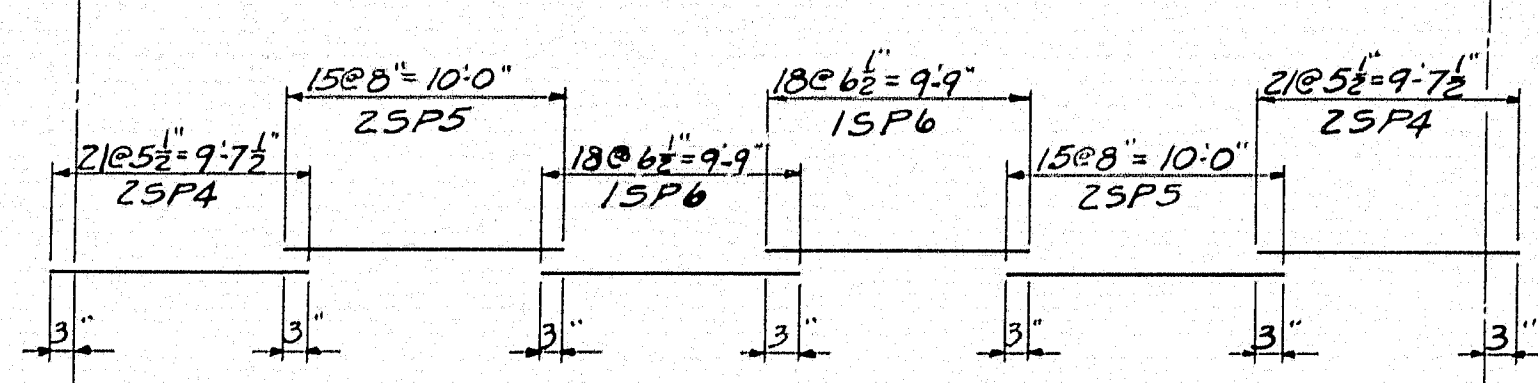




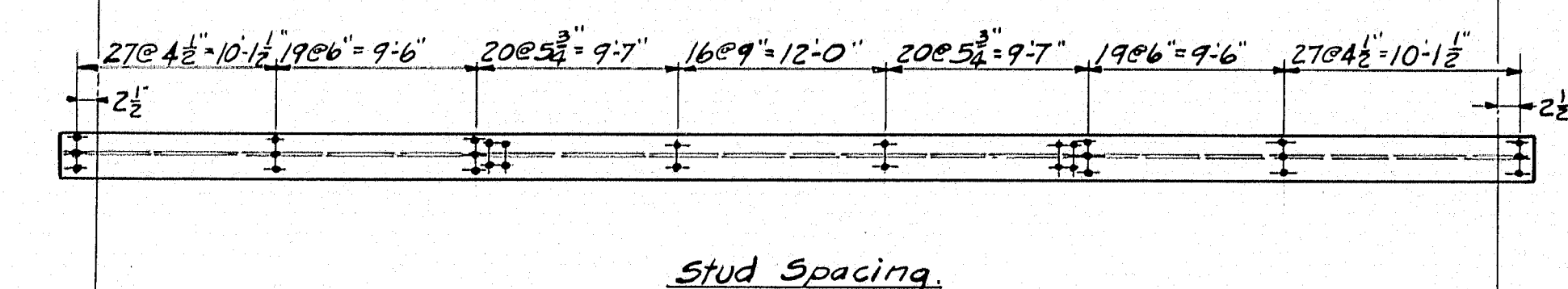
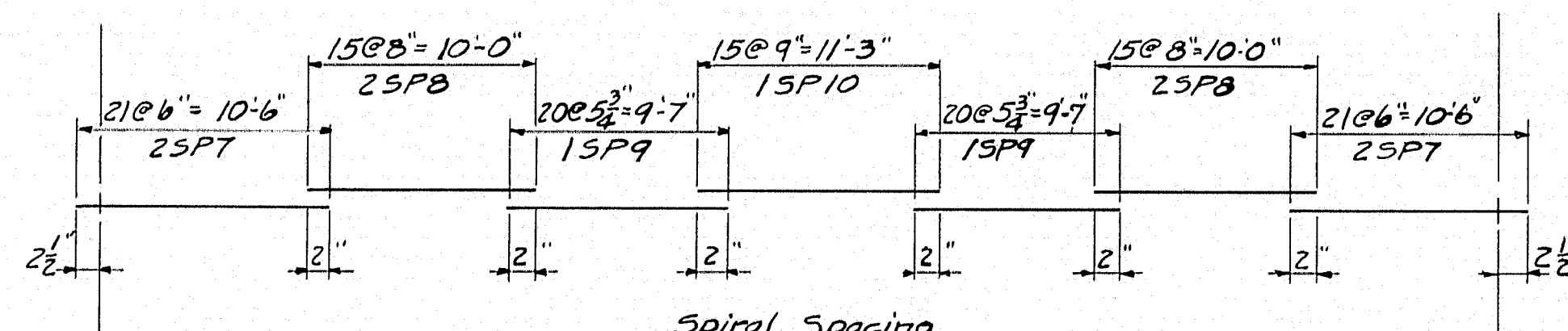




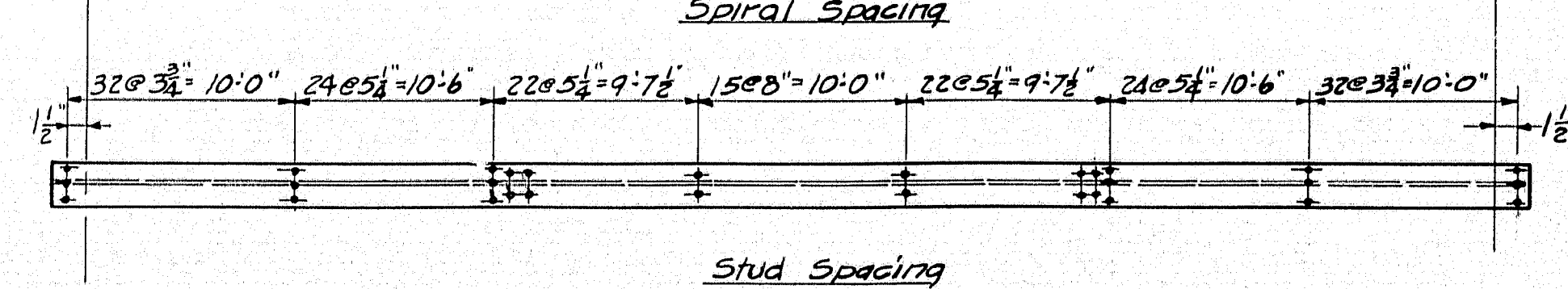
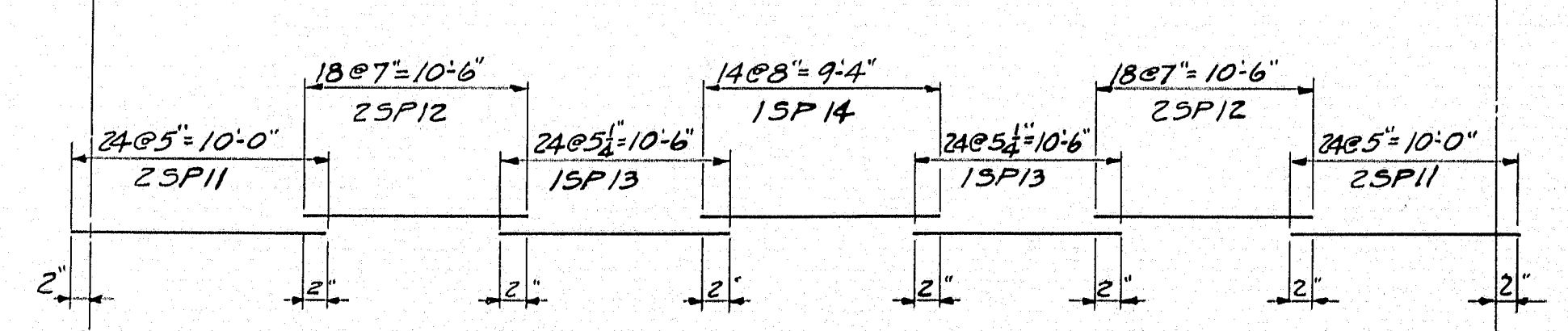
ALTERNATE STUD or SPIRAL SPACING ON SPANS 2 & 5 EXTERIOR BEAMS



ALTERNATE STUD or SPIRAL SPACING ON SPANS 2 & 5 INTERIOR BEAMS



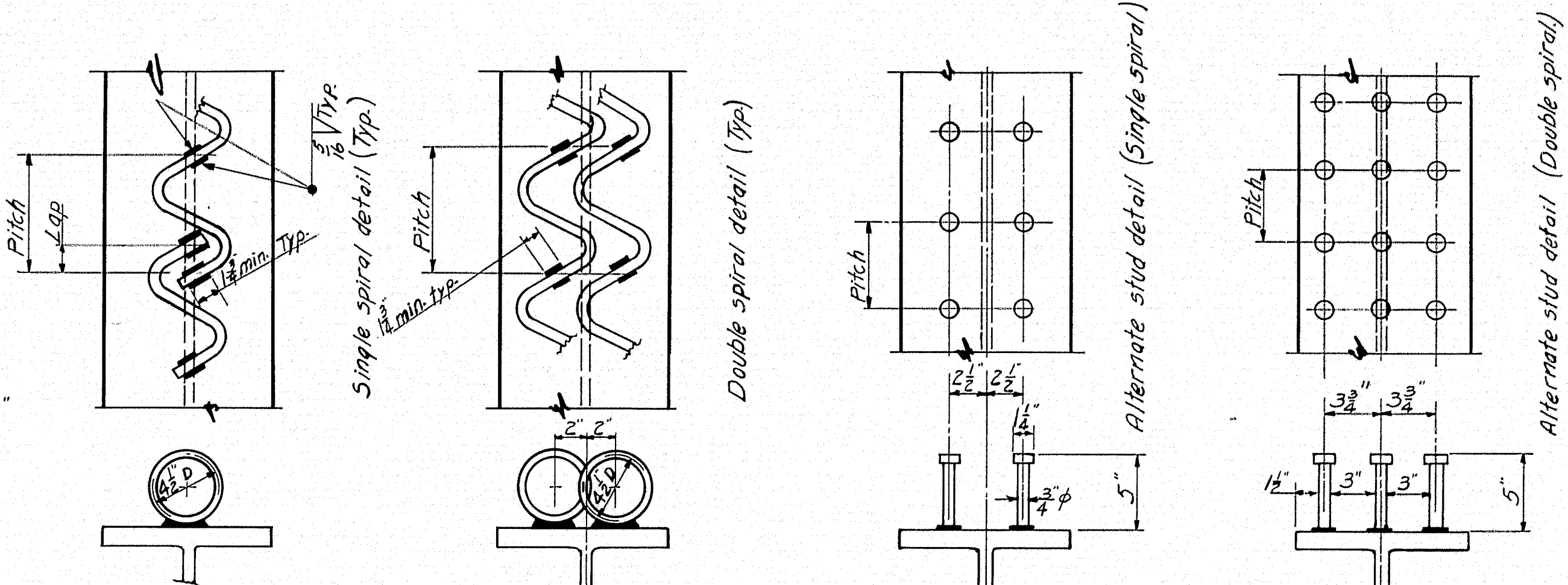
ALTERNATE STUD or SPIRAL SPACING ON SPANS 3 & 4 EXTERIOR BEAMS



ALTERNATE STUD or SPIRAL SPACING ON SPANS 3 & 4 INTERIOR BEAMS

SPIRAL TABLE				
Mark	No.	Spaces	Pitch	Length
SP1	16	16	6 3/4"	9'-0"
SP2	16	13	9"	9'-9"
SP3	8	18	7"	10'-6"
SP4	16	21	5 1/2"	9'-7 1/2"
SP5	16	15	8"	10'-0"
SP6	8	18	6 1/2"	9'-9"
SP7	16	21	6"	10'-6"
SP8	16	15	8"	10'-0"
SP9	8	20	5 3/4"	9'-7"
SP10	4	15	9"	11'-3"
SP11	16	24	5"	10'-0"
SP12	16	18	7"	10'-6"
SP13	8	24	5 1/4"	10'-6"
SP14	4	14	8"	9'-4"

STUD TABLE				
Equivalent Spiral Mark	No.	Spaces	Pitch	Total Pitch unit lgh.
SP1	552	22	5"	9'-2"
SP2	384	16	6 3/4"	9'-0"
SP3	280	36	7"	21'-0"
SP4	672	28	4"	9'-4"
SP5	504	21	6"	10'-6"
SP6	256	33	6 1/2"	17'-10 1/2"
SP7	672	27	4 1/2"	10'-1 1/2"
SP8	456	19	6"	9'-6"
SP9	320	20	5 3/4"	9'-7"
SP10	120	16	9"	12'-0"
SP11	792	32	3 3/4"	10'-0"
SP12	576	24	5 1/4"	10'-6"
SP13	352	22	5 1/2"	9'-7 1/2"
SP14	112	15	8"	10'-0"

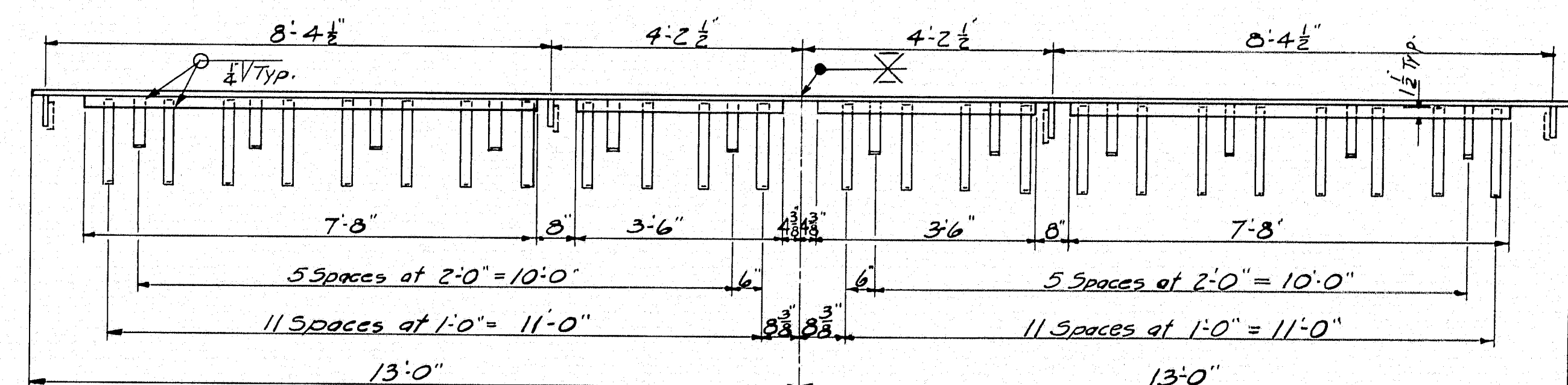


SPIRALS  
5/8"

STUDS  
3/4" x 5"

### SHEAR CONNECTORS

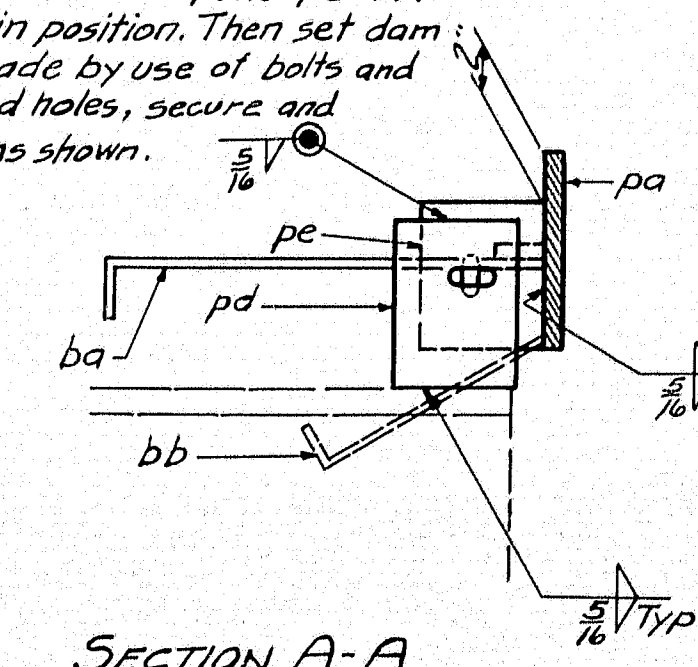
Shear connectors may be either welded spirals or automatically end welded studs.



ED1<sup>L</sup>  
8 required

ED1<sup>R</sup>  
8 required

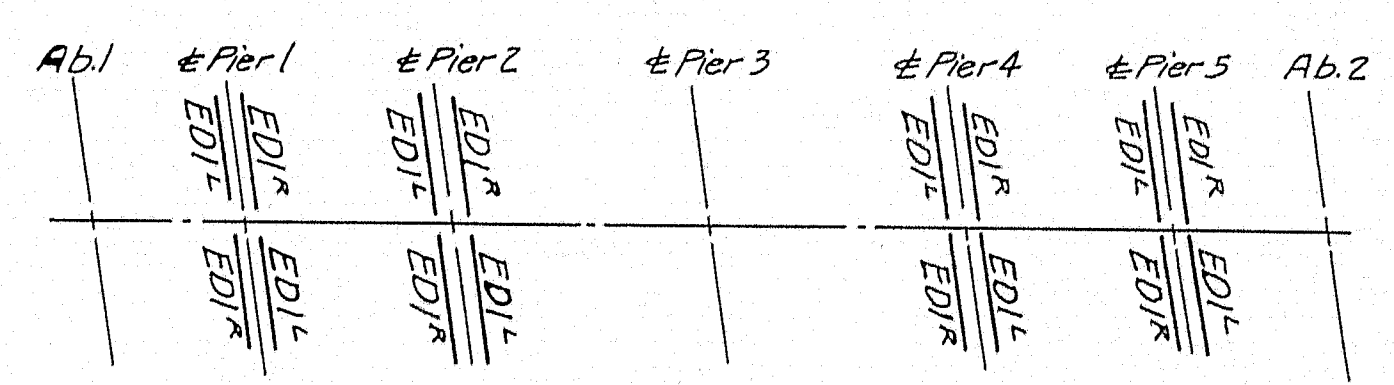
Set plate pd in field as required to meet plate pe and weld in position. Then set dam to grade by use of bolts and slotted holes, secure and weld as shown.



SECTION A-A

Material Req'd. for 1 Unit  
Expansion Dam - 16 Units req'd.

- One R. 8 1/2" x 13'-0" pa
- One R. 2" x 1/2" x 3'-6" pb
- One R. 2" x 1/2" x 7'-8" pc
- Two R.s. 5" x 3/8" x 0'-7" pd
- Two R.s. 5" x 3/8" x 0'-6" pe
- Twelve bars 2" x 3/8" x 1'-8" ba
- Six bars 2" x 3/8" x 1'-0" bb
- Two bolts 3/4" x 0'-2"



EXPANSION DAM LOCATIONS

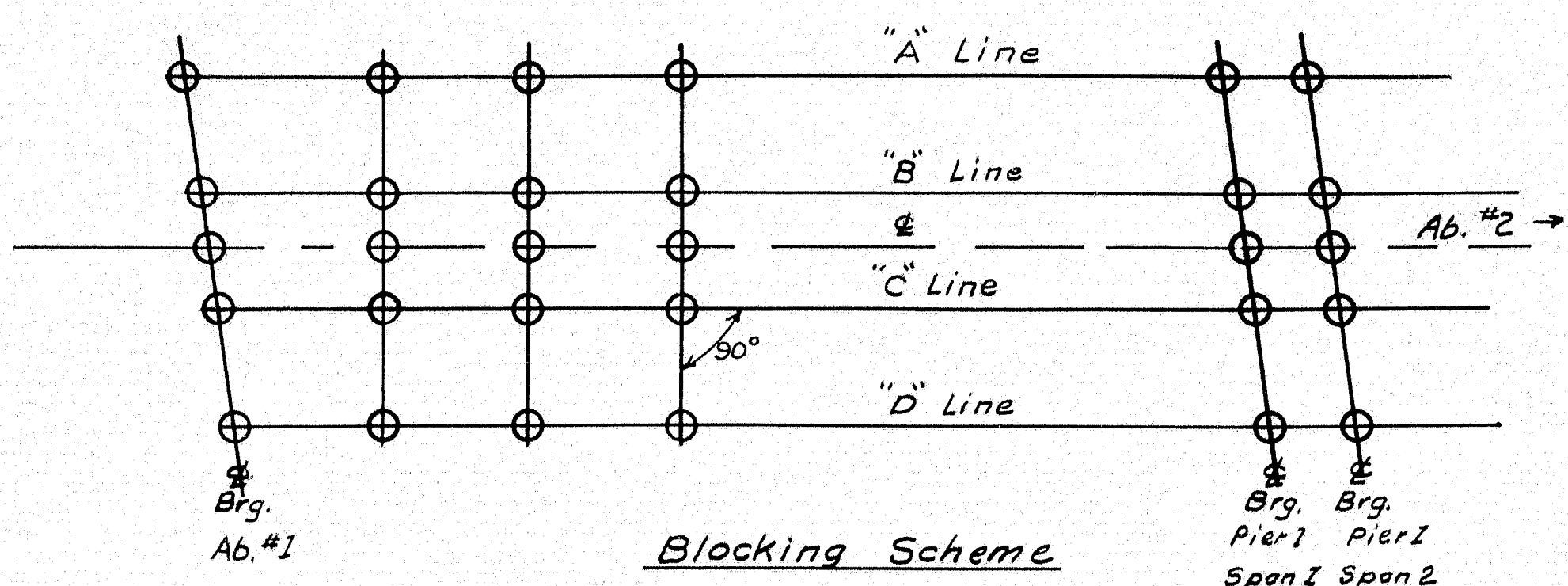
DESIGN TRACE JONES	GORMLEY CHECK Cotton	BRIDGE NO. SURVEY PLOT
STATE HIGHWAY COMMISSION BRIDGE DIVISION		
TRAFTON ROAD BRIDGE OVER INTERSTATE HIGHWAY IN THE CITY OF WATERVILLE KENNEBEC COUNTY		
SHEAR CONNECTORS & EXPANSION SHEET 16 OF 19 AUGUSTA, MAINE		



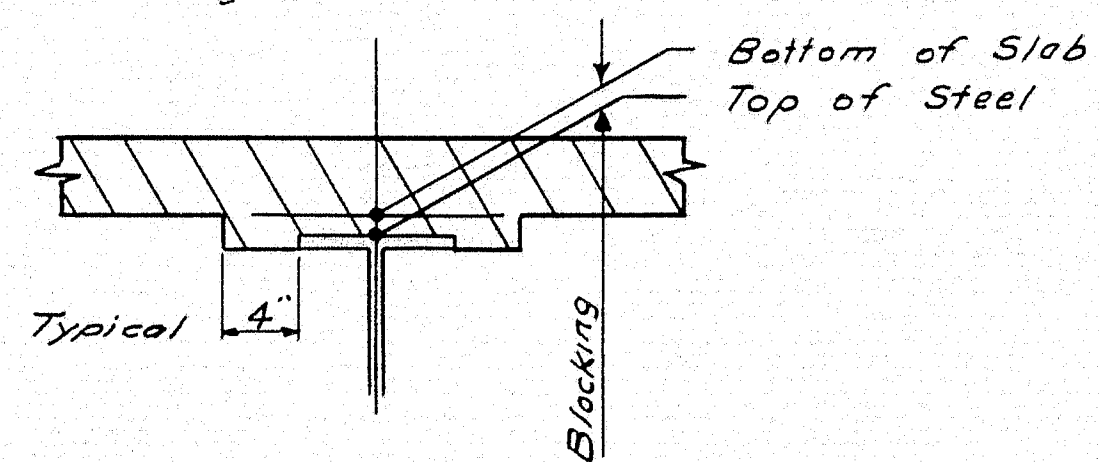




## BLOCKING DATA



Note: In order to compensate for "Dead Load Deflection", as well as inequalities in the "Rolled Camber" of the beams, the following procedure shall be used: After the beams are in position (with no load) the Engineer shall take elevations along the beams at points indicated. The difference between these elevations and the Elevation Bottom of Slab shall determine blocking to be used for constructing slab forms.



### SPAN #1

Station	Fin. & Grade	"A" Line El. Bott. Slab	"B" Line El. Bott. Slab	"C" Line El. Bott. Slab	"D" Line El. Bott. Slab	Description
12+26.47	226.76	225.83				4 brg. Ab. #1 "A" Line
12+27.49	226.77		226.02			" " " " "B" "
12+28.00	226.78			226.11		" " " " "C" "
12+28.51	226.79				226.04	" " " " "D" "
12+29.53	226.80				225.87	" " " " "D" "
12+40	226.90	225.99	226.17	226.25	226.17	Pts. at 10' intervals
12+50	227.00	226.10	226.36	226.28	226.10	" " " " " "
12+60	227.10	226.19	226.38	226.46	226.38	" " " " " "
12+68.47	227.18	226.26				4 brg. Sp. 1 Pier 1 "A" Line
12+69.49	227.19		226.44			" " " " "B" "
12+70.00	227.20			226.53		" " " " "C" "
12+70.51	227.21				226.45	" " " " "D" "
12+71.53	227.22				226.29	" " " " "D" "

### SPAN #6

Station	Fin. & Grade	"A" Line El. Bott. Slab	"B" Line El. Bott. Slab	"C" Line El. Bott. Slab	"D" Line El. Bott. Slab	Description
15+29.97	224.02	223.09				4 brg. Sp. #6 Pier #5 "A" Line
15+30.99	223.98		223.23			" " " " "B" "
15+31.50	223.97			223.30		" " " " "C" "
15+32.01	223.95				223.20	" " " " "D" "
15+33.03	223.91				222.98	" " " " "D" "
15+40	223.66	222.75	222.92	223.01	222.92	Pts. at 10' intervals
15+50	223.28	222.38	222.55	222.64	222.55	" " " " " "
15+60	222.88	221.97	222.16	222.24	222.16	" " " " " "
15+71.97	222.38	221.45				4 brg. Sp. #6 Pier #4 "A" Line
15+72.99	222.34		221.58			" " " " "B" "
15+73.50	222.32			221.65		" " " " "C" "
15+74.01	222.29				221.54	" " " " "D" "
15+75.03	222.25				221.32	" " " " "D" "

### SPAN #2

Station	Fin. & Grade	"A" Line El. Bott. Slab	"B" Line El. Bott. Slab	"C" Line El. Bott. Slab	"D" Line El. Bott. Slab	Description
12+69.97	227.20	226.27				4 brg. Sp. #2 Pier 1 "A" Line
12+70.99	227.21		226.46			" " " " "B" "
12+71.50	227.22			226.55		" " " " "C" "
12+72.01	227.22				226.46	" " " " "D" "
12+73.03	227.23				226.30	" " " " "D" "
12+80	227.30	226.41	226.57	226.66	226.57	Pts. at 10' intervals
12+90	227.38	226.51	226.69	226.77	226.69	" " " " " "
13+00	227.44	226.59	226.76	226.85	226.76	" " " " " "
13+10	227.49	226.62	226.80	226.88	226.80	" " " " " "
13+20	227.52	226.62	226.81	226.89	226.81	" " " " " "
13+26.97	227.53	226.60				4 brg. Sp. #2 Pier 2 "A" Line
13+27.99	227.53		226.78			" " " " "B" "
13+28.50	227.53			226.86		" " " " "C" "
13+29.01	227.53				226.78	" " " " "D" "
13+30.03	227.53				226.60	" " " " "D" "

### SPAN #5

Station	Fin. & Grade	"A" Line El. Bott. Slab	"B" Line El. Bott. Slab	"C" Line El. Bott. Slab	"D" Line El. Bott. Slab	Description
14+71.47	225.78	224.85				4 brg. Sp. #5 Pier #4 "A" Line
14+72.49	225.76		225.01			" " " " "B" "
14+73.00	225.75			225.08		" " " " "C" "
14+73.51	225.73				224.98	" " " " "D" "
14+74.53	225.70				224.77	" " " " "D" "
14+80	225.56	224.68	224.84	224.92	224.84	Pts. at 10' intervals
14+90	225.29	224.42	224.60	224.68	224.60	" " " " " "
15+00	225.00	224.14	224.32	224.40	224.32	" " " " " "
15+10	224.69	223.82	224.00	224.08	224.00	" " " " " "
15+20	224.36	223.47	223.65	223.74	223.65	" " " " " "
15+28.47	224.08	223.15				4 brg. Sp. #5 Pier #3 "A" Line
15+29.4	224.04		223.29			" " " " "B" "
15+30.00	224.02			223.35		" " " " "C" "
15+30.51	224.00				223.25	" " " " "D" "
15+31.53	223.97				223.04	" " " " "D" "

### SPAN #3

Station	Fin. & Grade	"A" Line El. Bott. Slab	"B" Line El. Bott. Slab	"C" Line El. Bott. Slab	"D" Line El. Bott. Slab	Description
13+28.47	227.53	226.60				4 brg. Span #3 Pier #2 "A" Line
13+29.49	227.53		226.78			" " " " "B" "
13+30.00	227.53			226.86		" " " " "C" "
13+30.51	227.53				226.78	" " " " "D" "
13+31.53	227.53				226.60	" " " " "D" "
13+35	227.53	226.65	226.82	226.90	226.82	Pts. at 10' intervals
13+45	227.51	226.67	226.84	226.93	226.84	" " " " " "
13+55	227.48	226.65	226.83	226.91	226.83	" " " " " "
13+65	227.43	226.61	226.79	226.87	226.79	" " " " " "
13+75	227.36	226.53	226.71	226.79	226.71	" " " " " "
13+85	227.27	226.42	226.60	226.69	226.60	" " " " " "
13+95	227.17	226.27	226.46	226.54	226.46	" " " " " "
13+98.47	227.13	226.20				4 brg. Span #3 Pier #3 "A" Line
13+99.49	227.12		226.37			" " " " "B" "
14+00.00	227.11			226.44		" " " " "C" "
14+00.51	227.11				226.36	" " " " "D" "
14+01.53	227.09				226.16	" " " " "D" "

### SPAN #4

Station	Fin. & Grade	"A" Line El. Bott. Slab	"B" Line El. Bott. Slab	"C" Line El. Bott. Slab	"D" Line El. Bott. Slab	Description
13+99.97	227.11	226.18				4 brg. Sp. #4 Pier #3 "A" Line
14+00.99	227.10		226.35			" " " " "B" "
14+01.50	227.10			226.43		" " " " "C" "
14+02.01	227.09				226.34	" " " " "D" "
14+03.03	227.07				226.14	" " " " "D" "
14+06.50	227.03	226.15	226.31	226.40	226.31	Pts. at 10' intervals
14+16.50	226.88	226.04	226.21	226.30	226.21	" " " " " "
14+26.50	226.72	225.90	226.07	226.16	226.07	" " " " " "
14+36.50	226.55	225.73	225.90	226.09	225.90	" " " " " "
14+46.50	226.35	225.52	225.70	225.78	225.70	" " " " " "
14+56.50	226.14	225.28	225.46	225.55	225.46	" " " " " "
14+66.50	225.90	225.01	225.19	225.28	225.19	" " " " " "
14+69.97	225.82	224.89				4 brg. Sp. #4 Pier #2 "A" Line
14+70.99	225.80		225.05			" " " " "B" "
14+71.50	225.78			225.12		" " " " "C" "
14+72.01	225.77				225.02	" " " " "D" "
14+73.03	225.74				224.81	" " " " "D" "

DESIGN - GORMLEY  
 TRACE - G. ALLEN  
 CHECK - COTTEN

BRIDGE NO.  
 SURVEY -  
 PLOT -

STATE HIGHWAY COMMISSION  
BRIDGE DIVISION

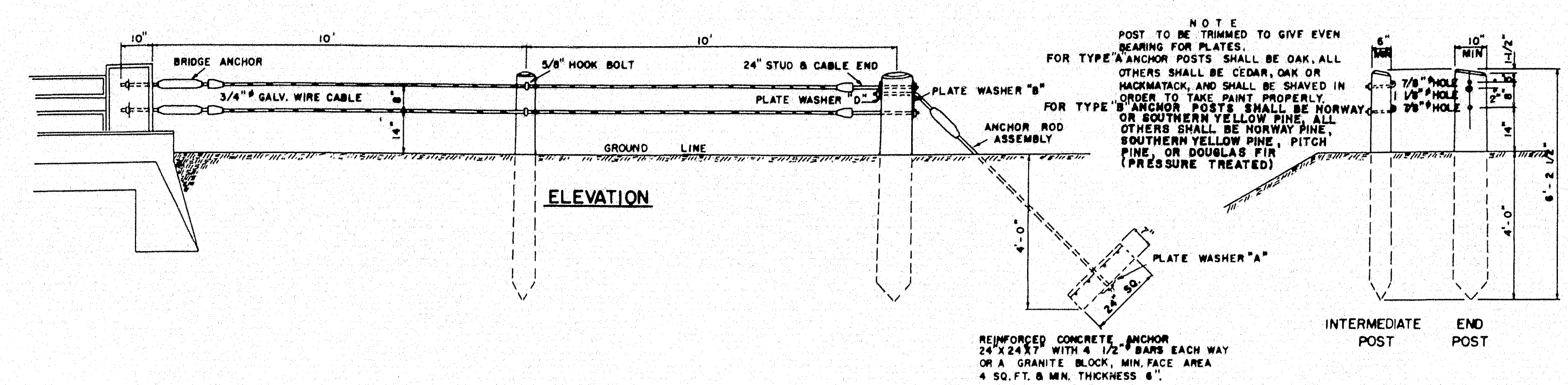
**TRAFTON ROAD BRIDGE**  
OVER

**INTERSTATE HIGHWAY**  
IN THE CITY OF  
**WATVILLE**  
**KENNEBEC COUNTY**

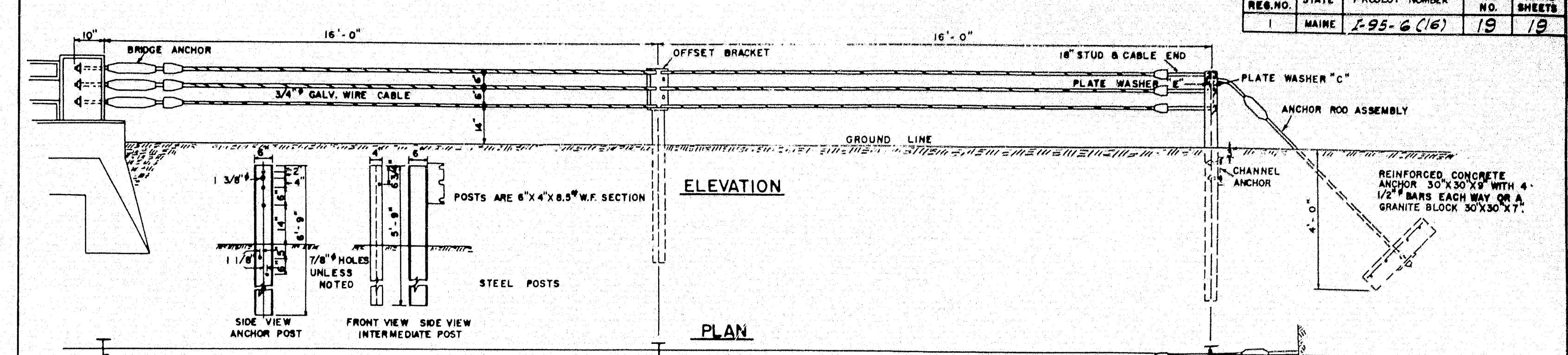
FINISH GRADES & BLOCKING DATA

SHEET 18 OF 19 AUGUSTA, MAINE MAY

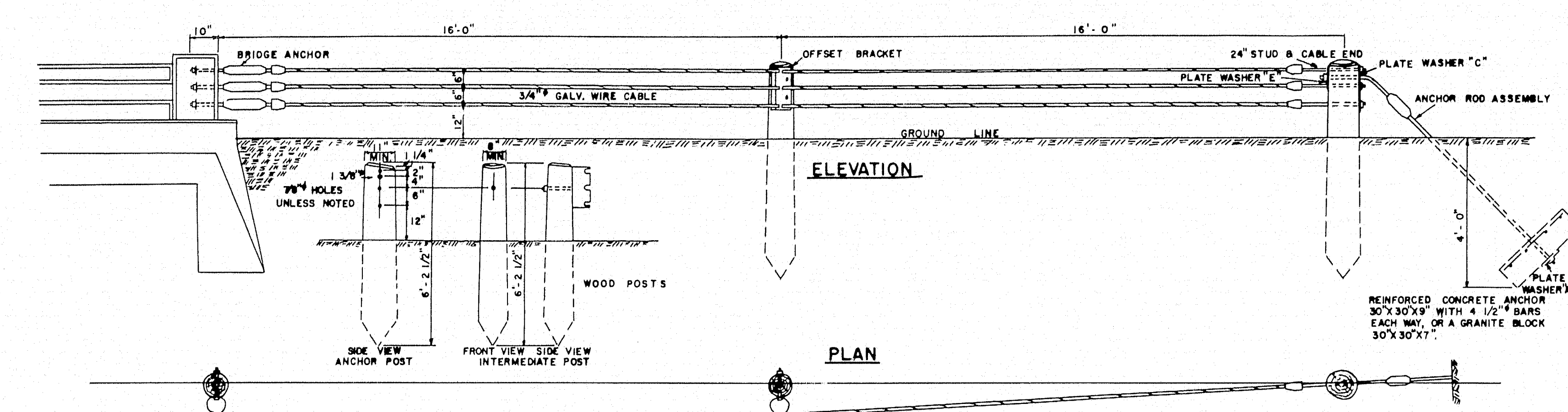




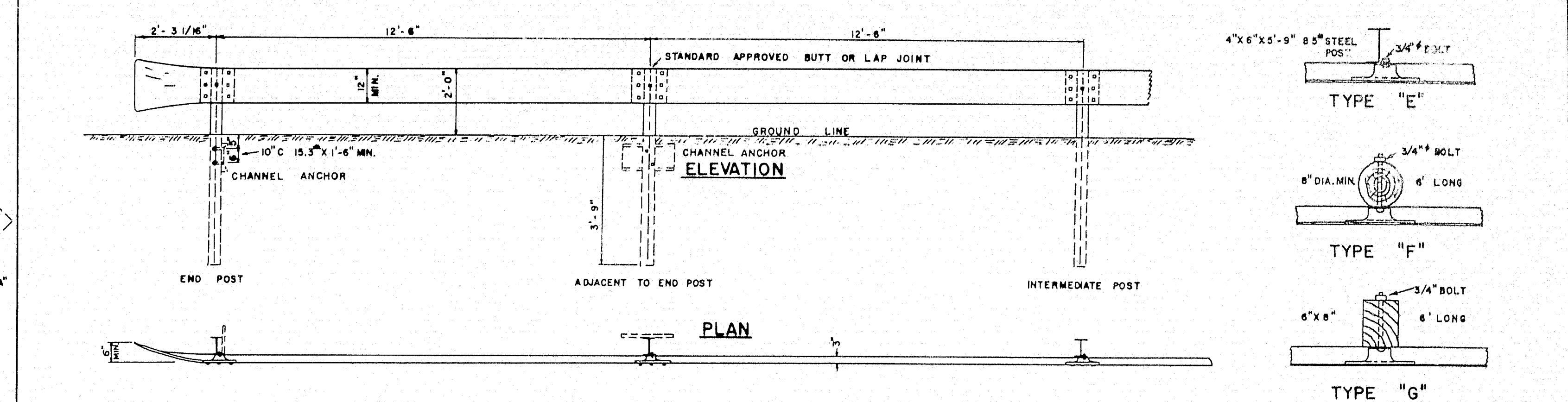
GUARD RAIL TYPE "A" & "B"



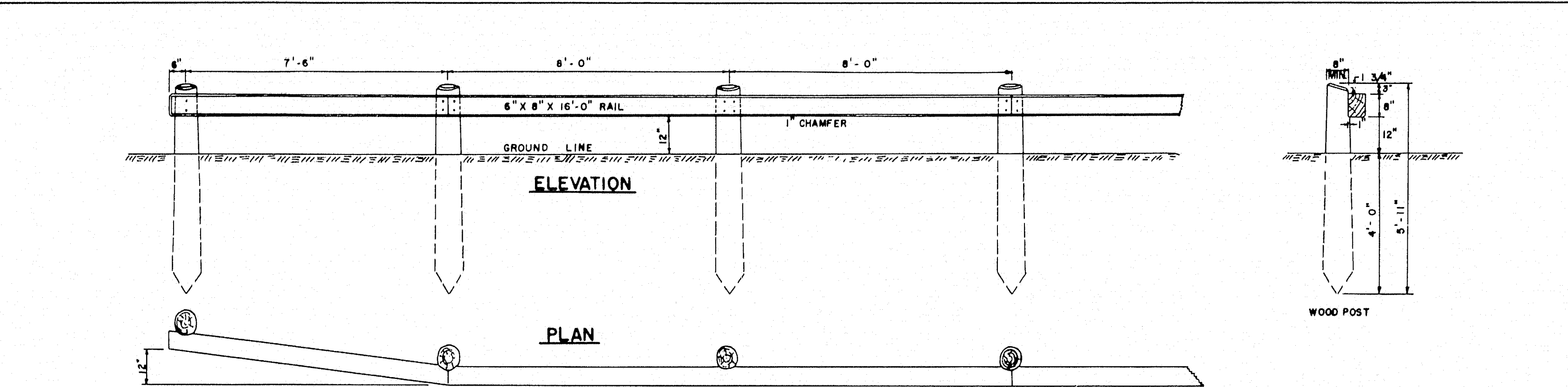
GUARD RAIL TYPE "C"



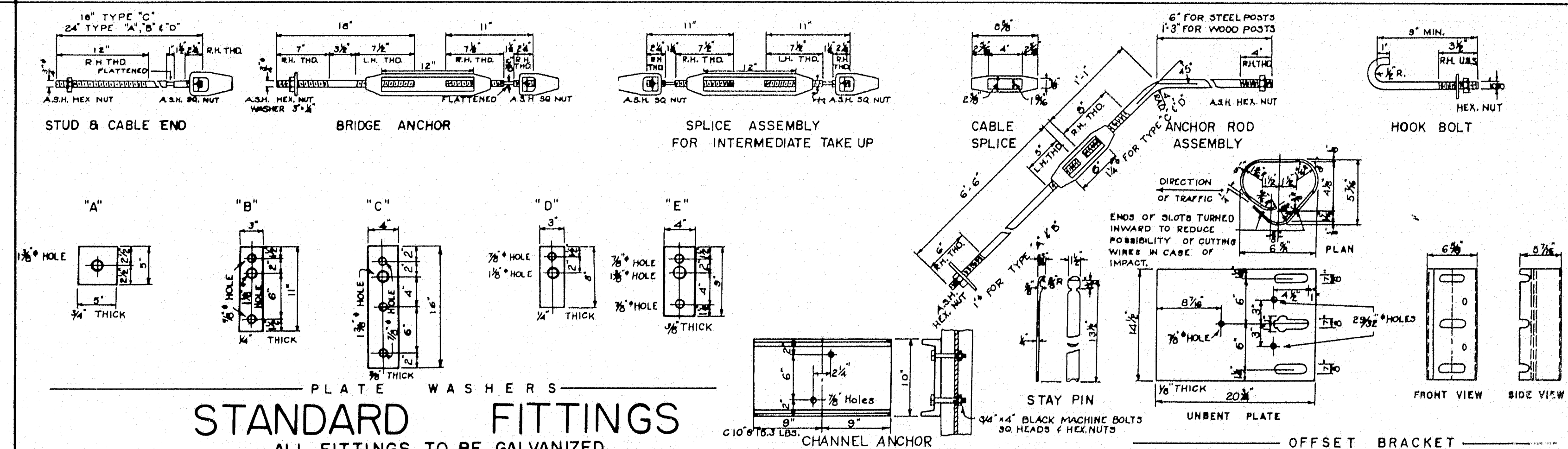
GUARD RAIL TYPE "D"



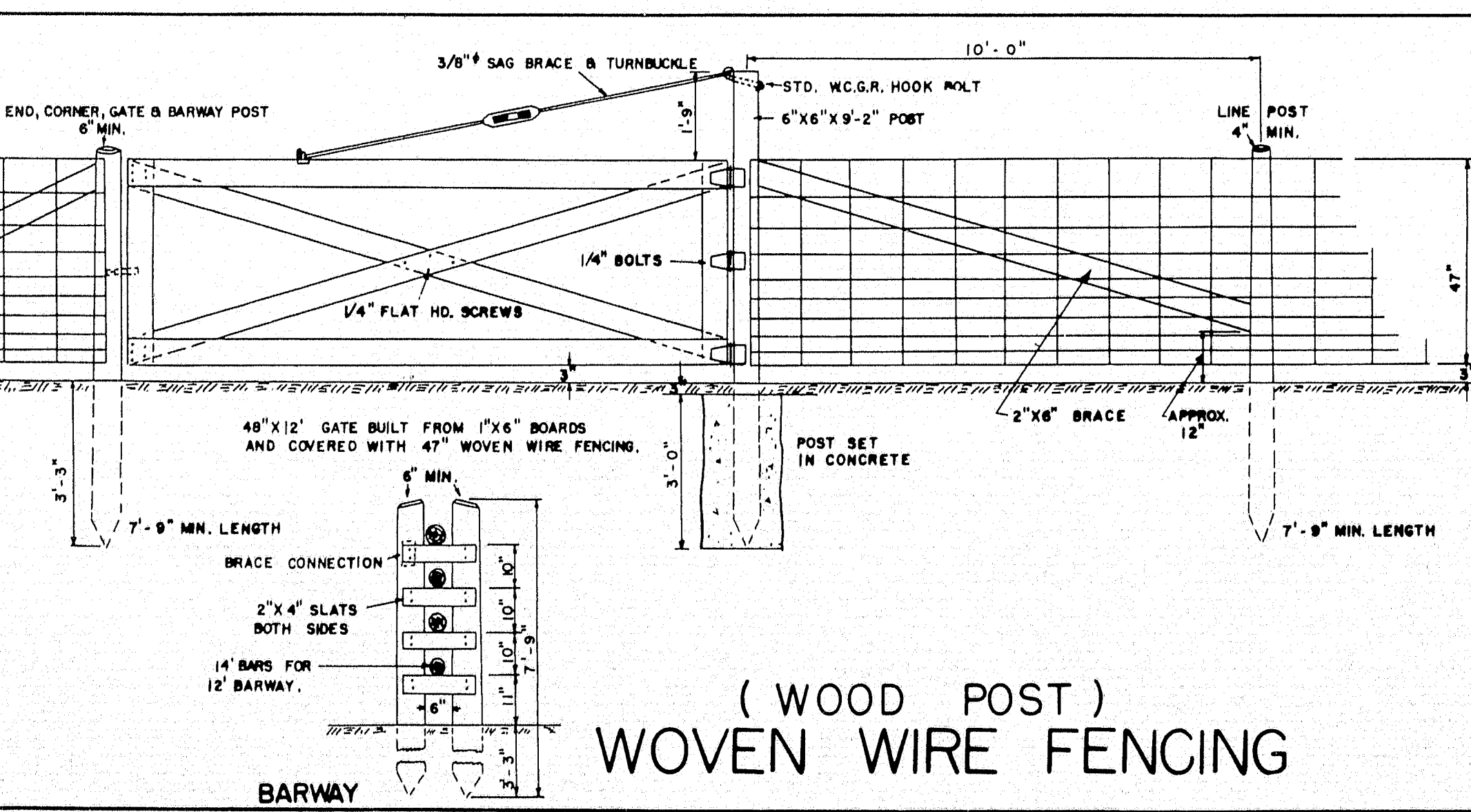
GUARD RAIL TYPE "E", "F" & "G"



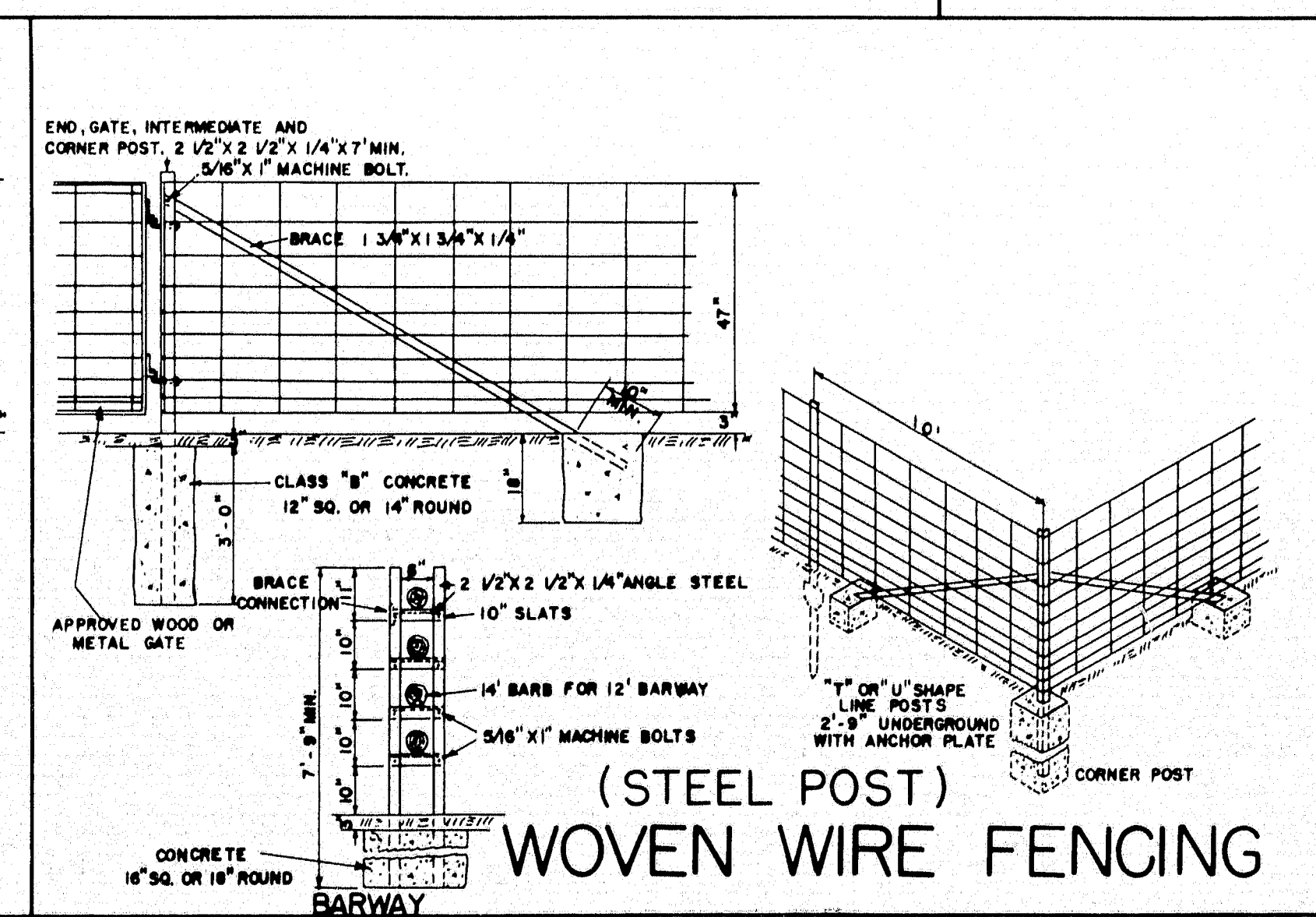
GUARD RAIL TYPE "H"



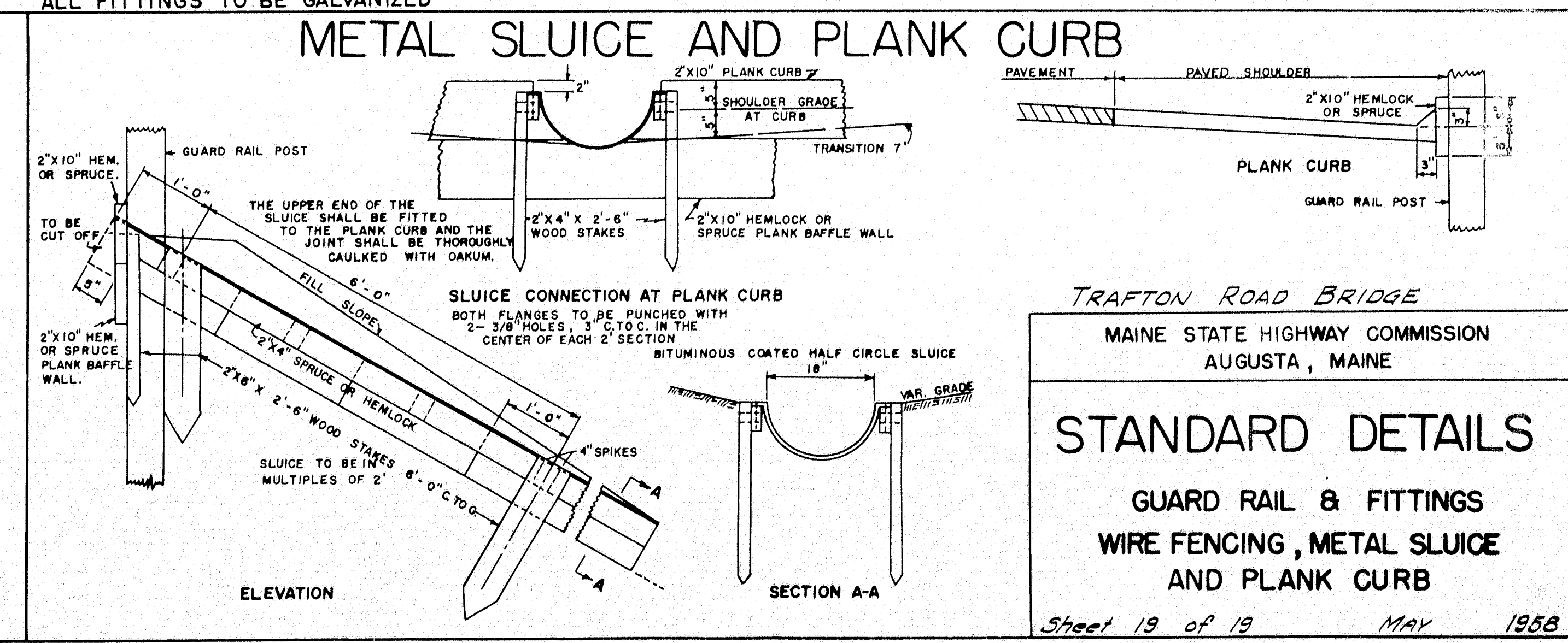
STANDARD FITTINGS  
ALL FITTINGS TO BE GALVANIZED



(WOOD POST)  
WOVEN WIRE FENCING



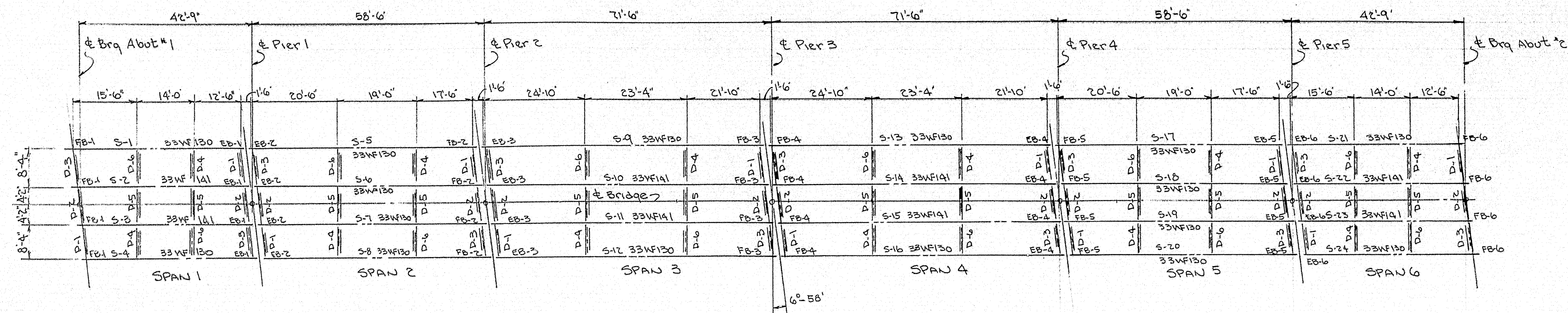
(STEEL POST)  
WOVEN WIRE FENCING



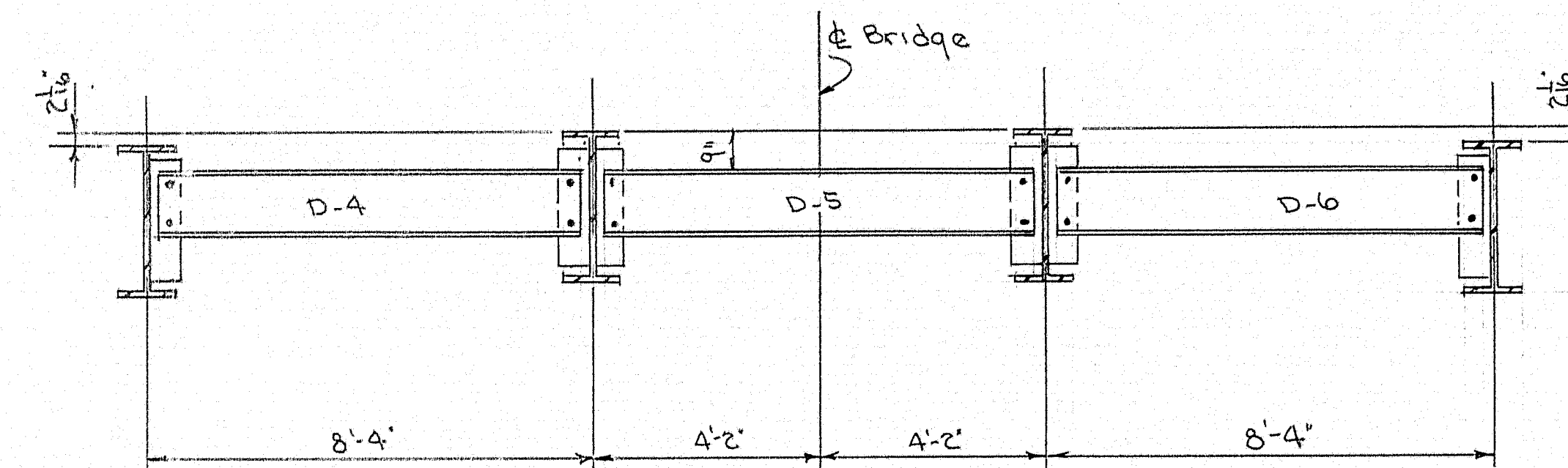
METAL SLUICE AND PLANK CURB

TRAFTON ROAD BRIDGE  
MAINE STATE HIGHWAY COMMISSION  
AUGUSTA, MAINE  
**STANDARD DETAILS**  
GUARD RAIL & FITTINGS  
WIRE FENCING, METAL SLUICE  
AND PLANK CURB  
Sheet 19 of 19 MAY 1958

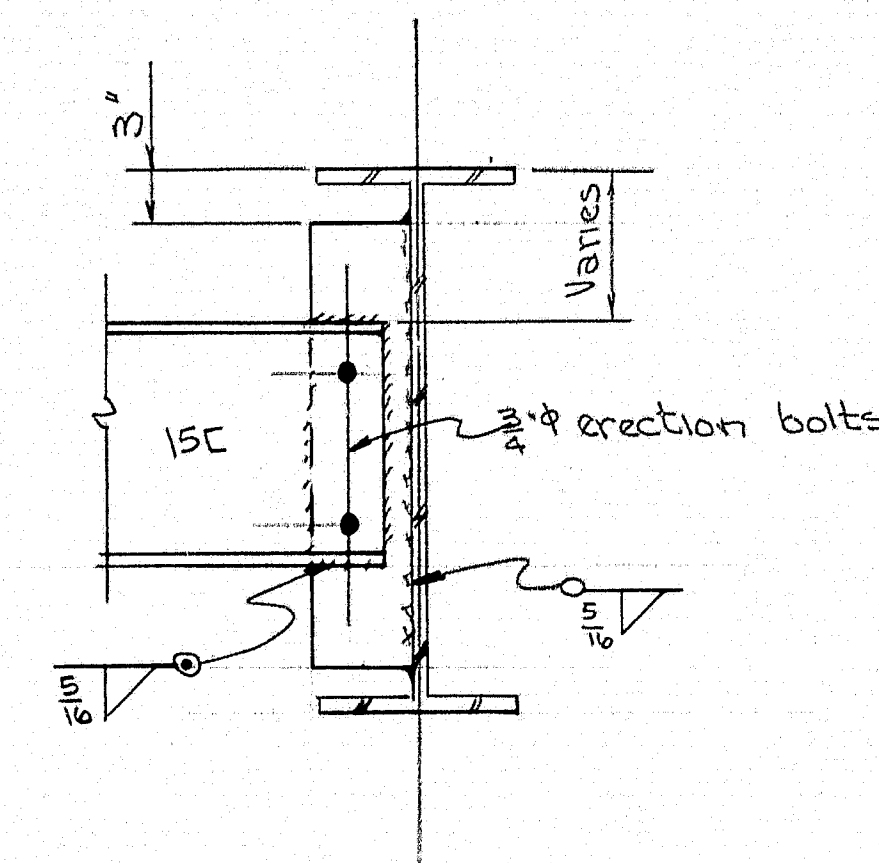




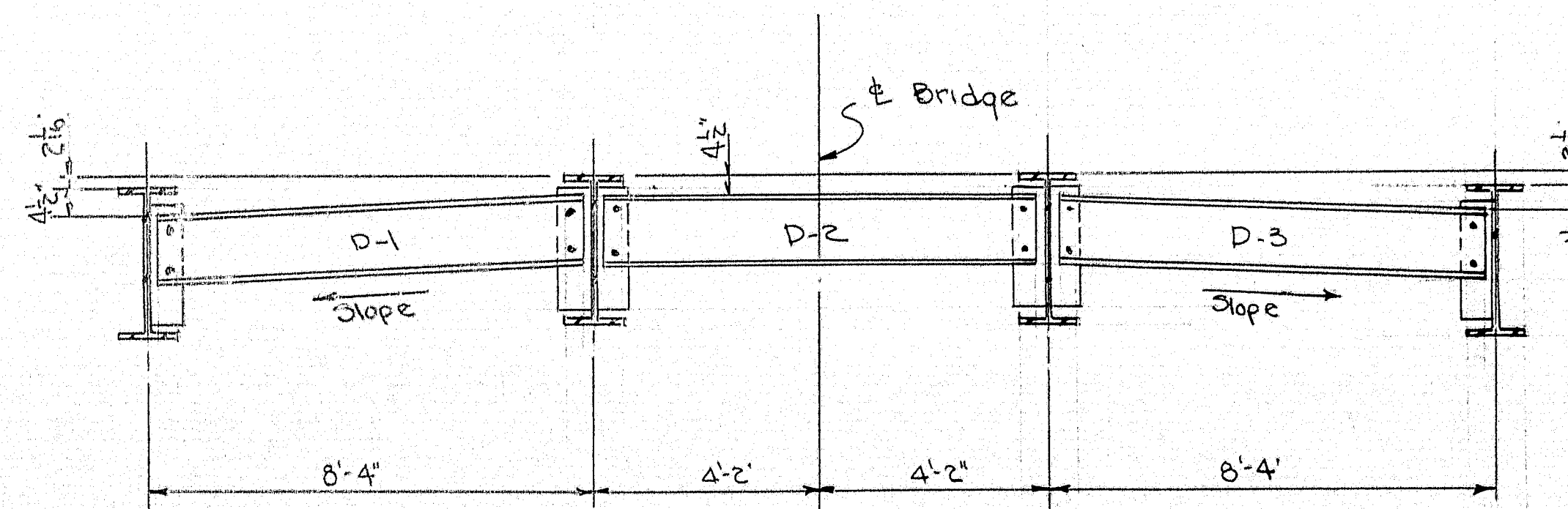
FRAMING PLAN



TYPICAL SECTION



TYPICAL DIAPHRAGM CONNECTION



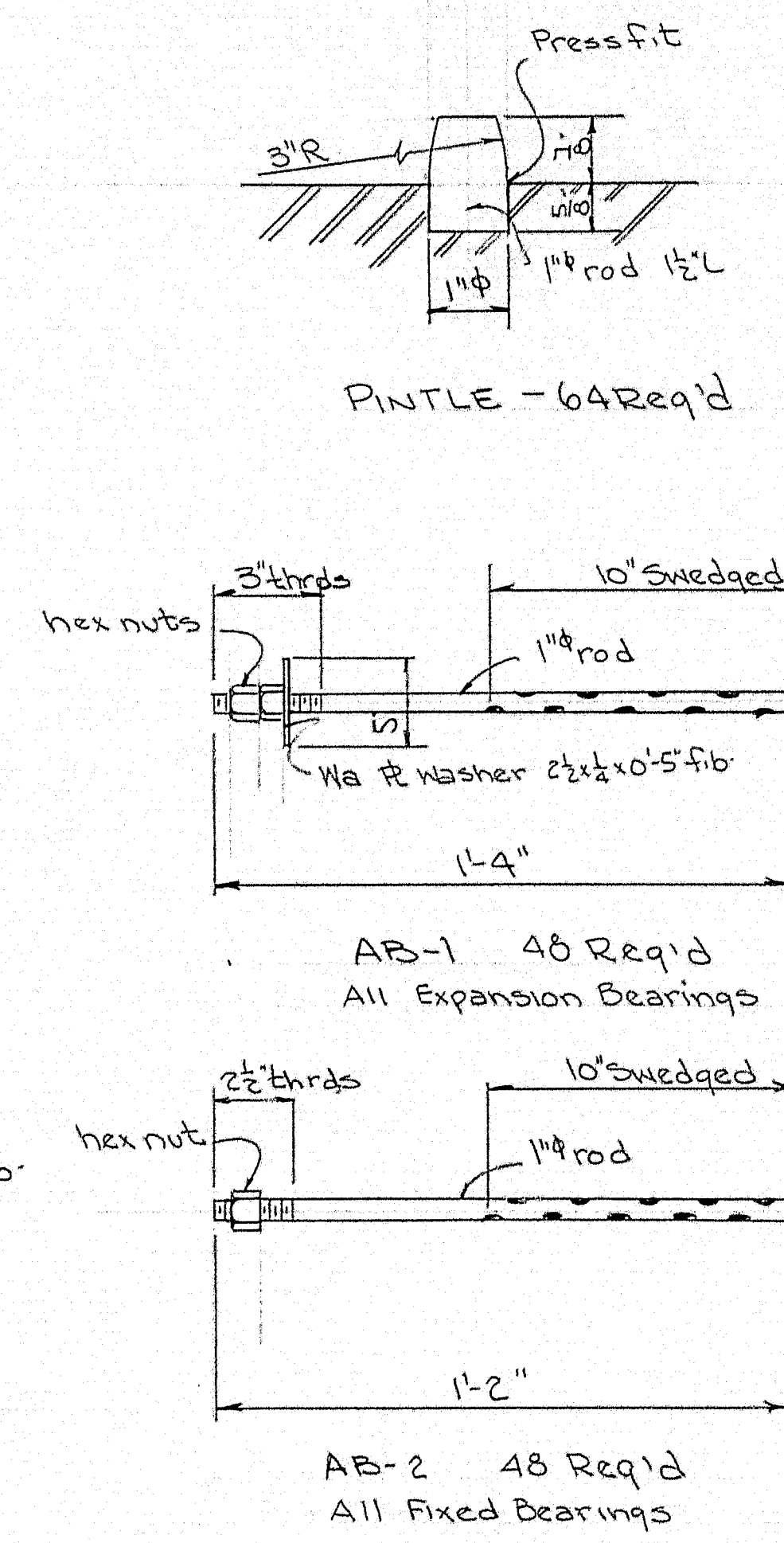
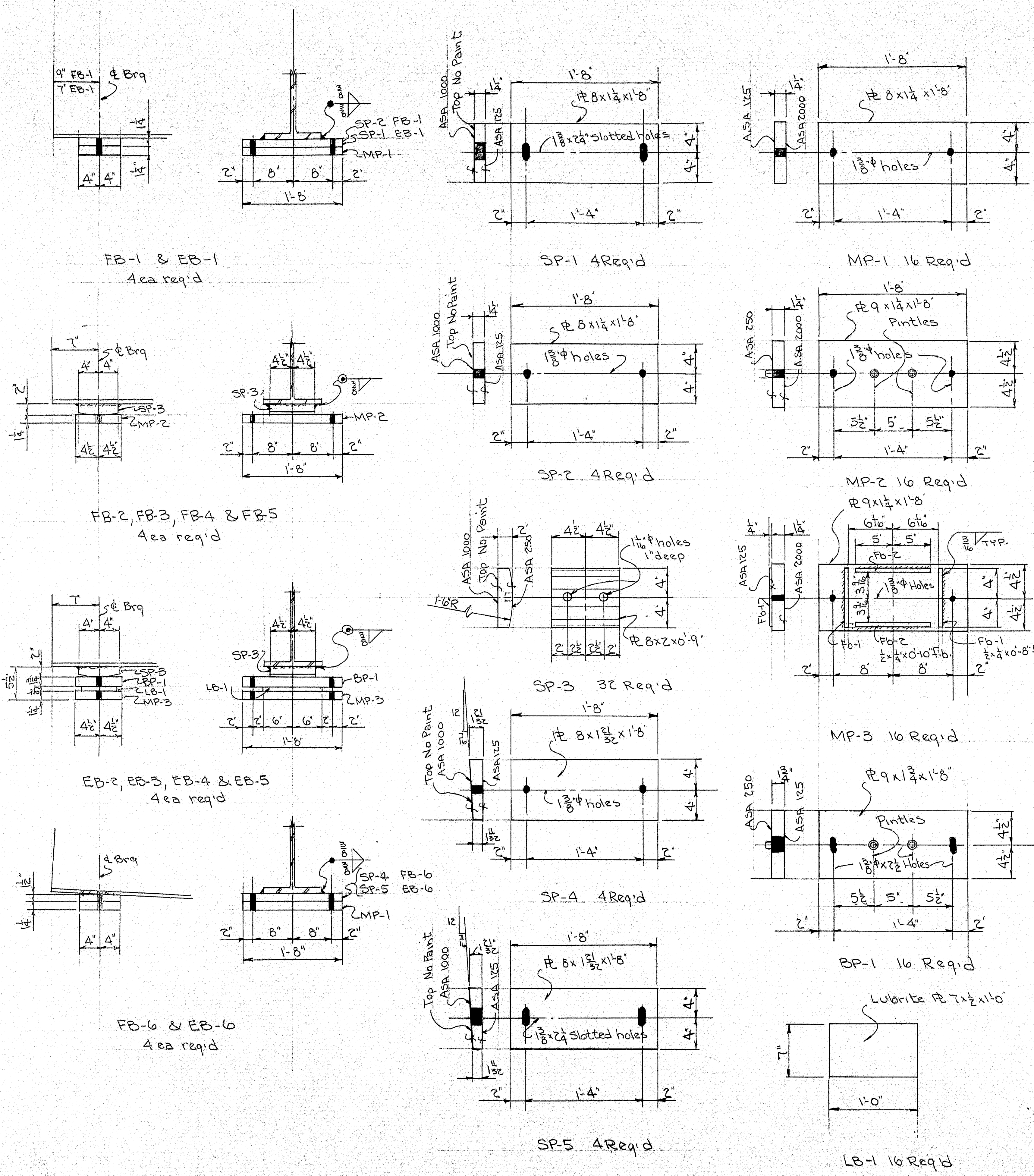
TYPICAL SECTION C & BRG.

NOTES:

DRAWN	8-21-58	WMM
REVISION		
REVISION		
REVISION		

FRAMING PLAN	
Bancroft & Martin Rolling Mills Company	
South Portland 7, Maine	
TRAFTON ROAD BRIDGE	
WATerville, MAINE	
CUSTOMER	CIAUCHETTE BROS
DESIGNER	ME. STATE HWY COMM
ORDER NO.	3716
DWG. NO.	8-265 E-1





SHIP		BILL OF MATERIAL				DWG. NO.
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
SP-1	4		8x12	18		
SP-2	4		do	18		
SP-3	32		8x2	9		
SP-4	4		8x12	18		BEVEL
SP-5	4		do	18		do
MP-1	16		8x12	18		
MP-2	16		9x12	18		
MP-3	16		do	18		
BP-1	16		9x12	18		
LB-1	16		7x12	10		LUBRITE
	64	Pintle	1" rod	0 1/2		ORD 8-4-58
	32	Fb-1	1/2 x 1/2 x 10	0 8		
	32	Fb-2	do	0 10		
AB-1	48		1" rod	1 4		
AB-2	48		do	1 2		
	48	WA	2 1/2 x 1/2 x 10	0 5		
	124		1" hex nuts			

SHOP CONNECTIONS: Welded  
 FIELD CONNECTIONS: Welded  
 HOLES: As NOTED  
 PAINT: Red lead 2011 per specs  
 Coat all finished surface with 1/16" lead and talow

**BEARING DETAILS**

*Bancroft & Martin Rollings Mills Company*  
 South Portland 7, Maine

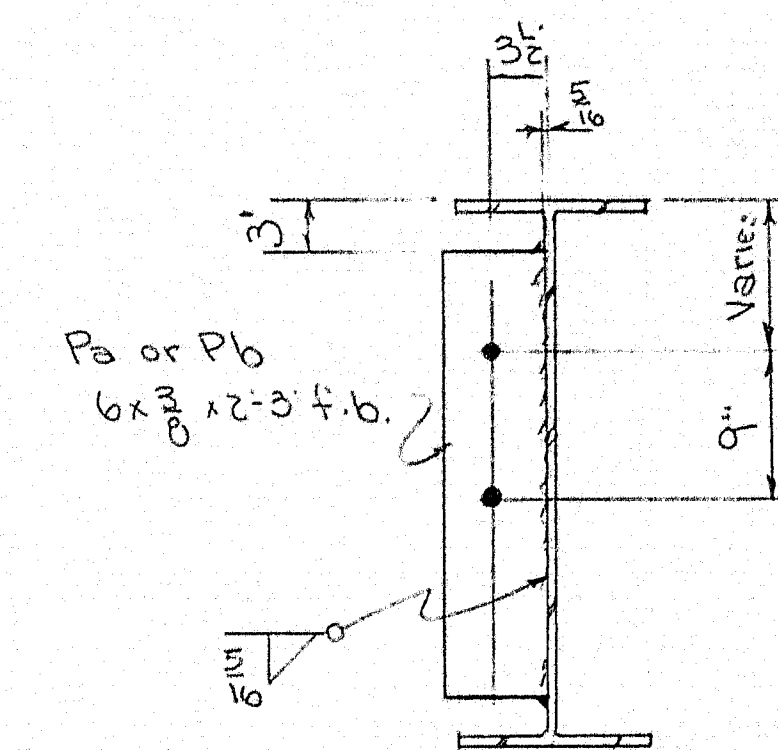
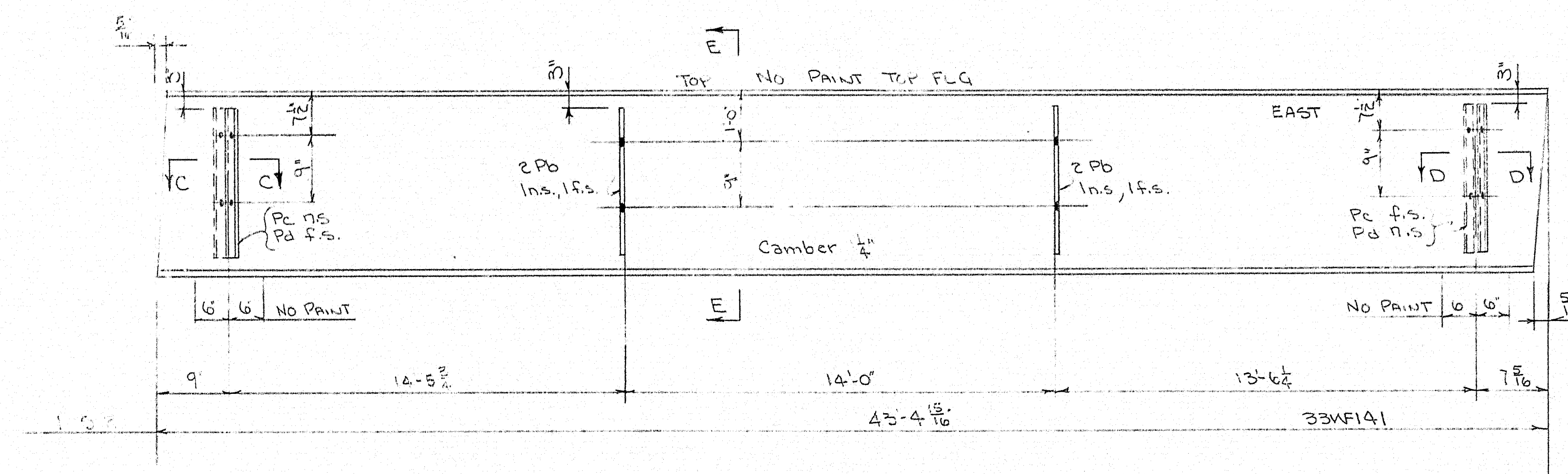
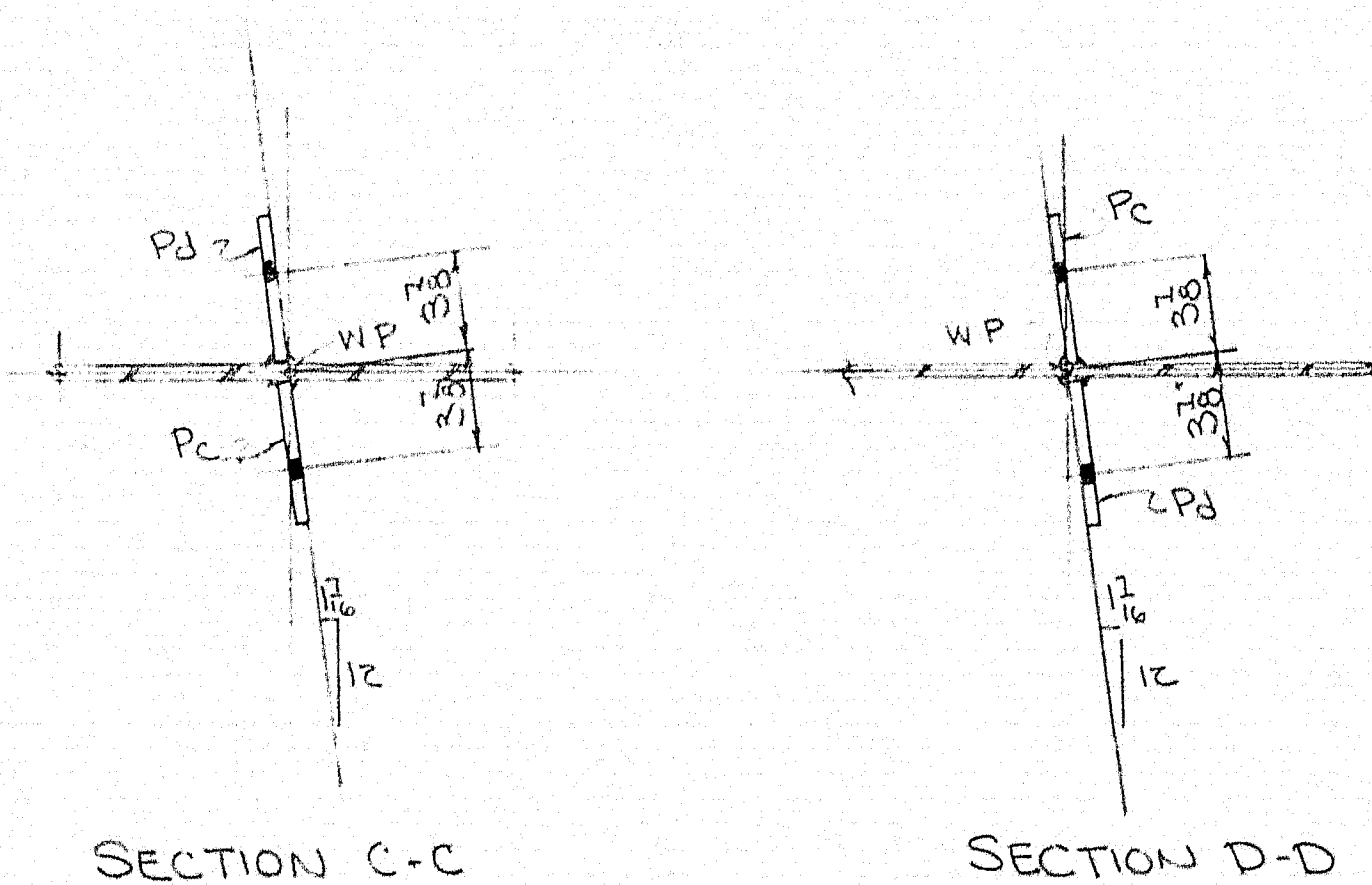
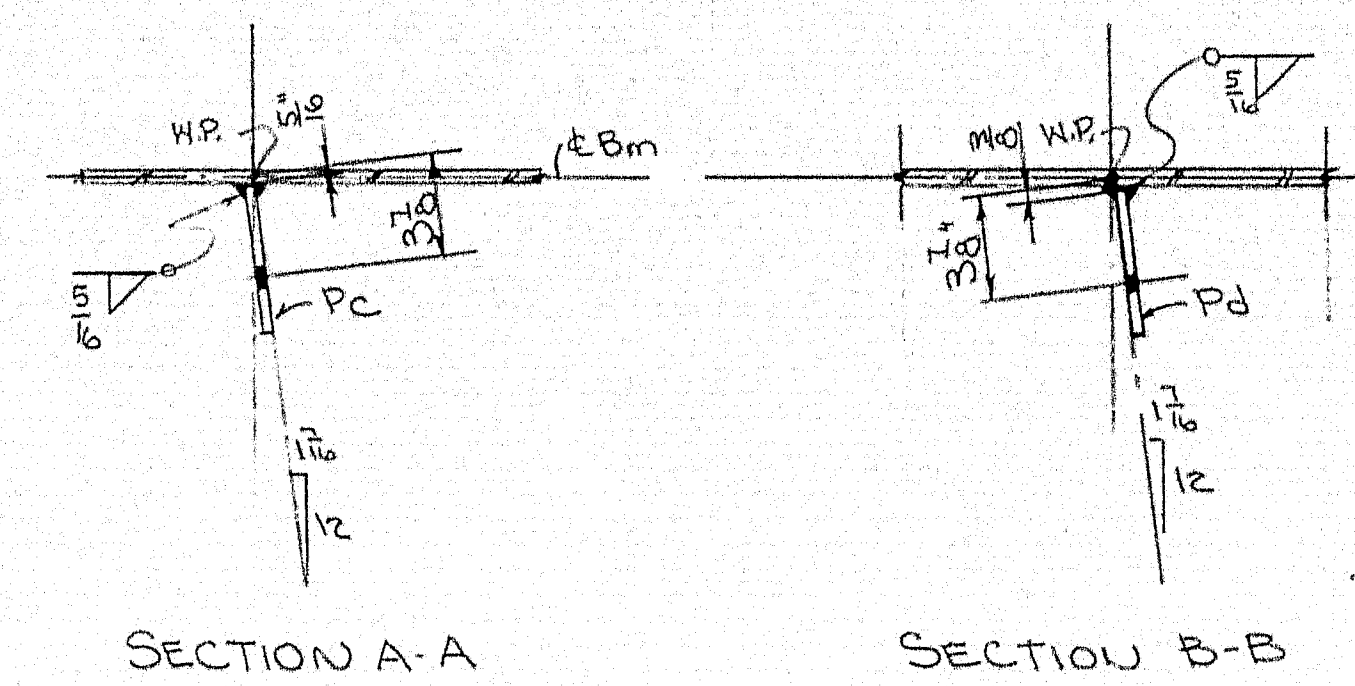
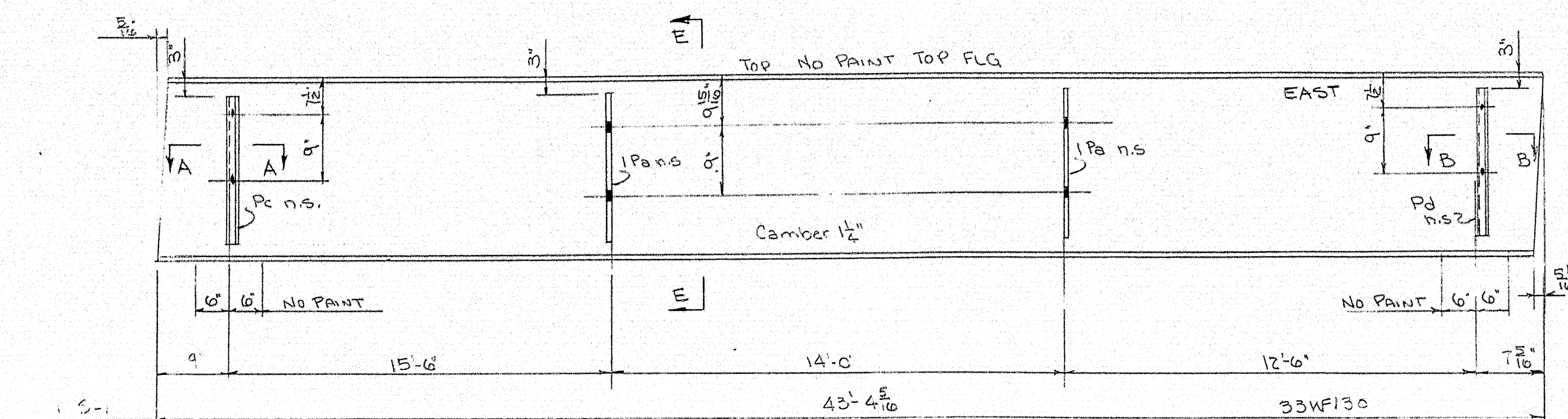
TRAFTON ROAD BRIDGE  
 WATERVILLE, MAINE

CUSTOMER: CIANCETTE BROS  
 DESIGNER: ME. STATE HWY COMM

ORDER NO. 3716 DWG. NO. 8-265 3-1

DRAWN	8-21-58	WHM
REVISION	9-2-58	WHM
REVISION		
REVISION		





SECTION E-E

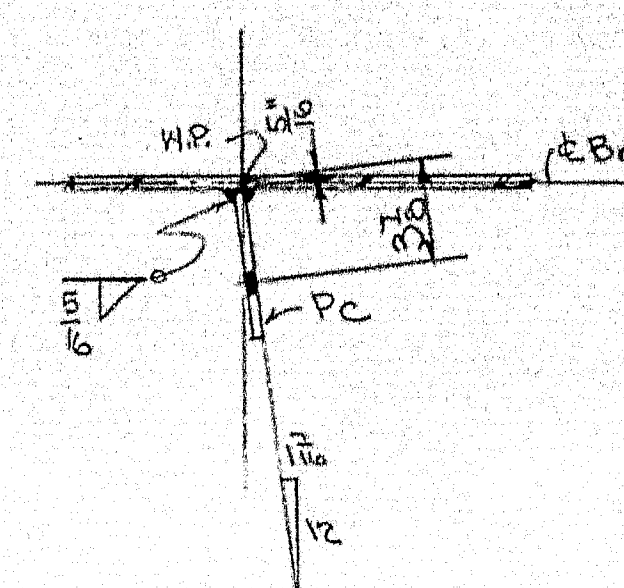
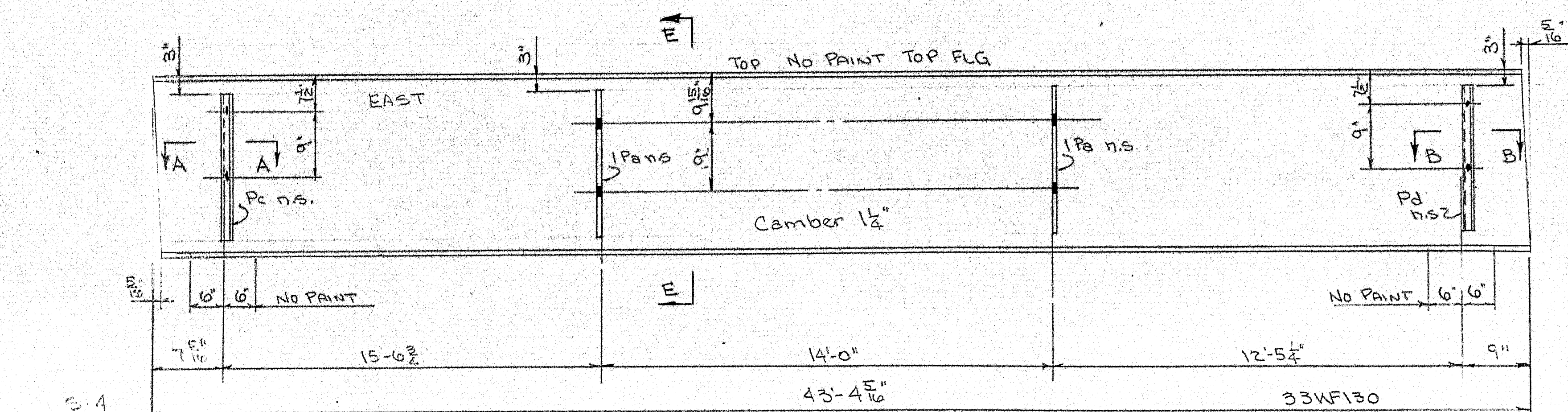
NOTE: NO PAINT ON DIAPHRAM PLATES

[illegible]

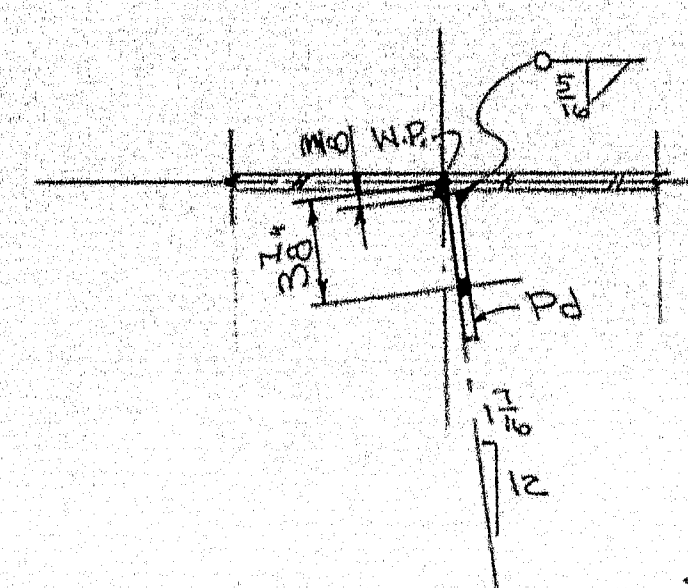
SHOP CONNECTIONS: Welded  
FIELD CONNECTIONS: Welded &  $\frac{3}{4}$ " Macn bolts  
HOLES:  $\frac{13}{16}$ "  
PAINT: Red lead & oil per specs

DRAWN	8-22-58	WHM	CUSTOMER	CIANCHETTE BROS	
REVISION			DESIGNER	MAINE STATE HWY COMM	
REVISION			ORDER NO.	3716	DWG. NO. 8-265 S-2
REVISION					

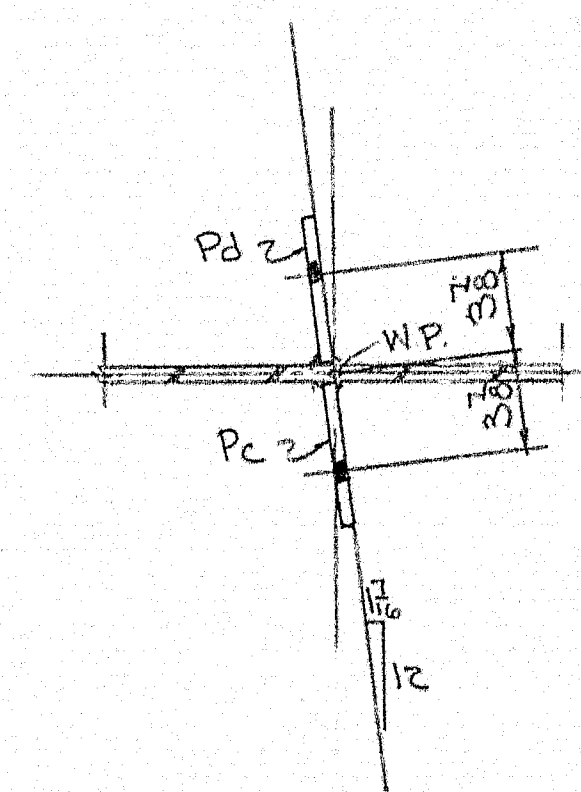




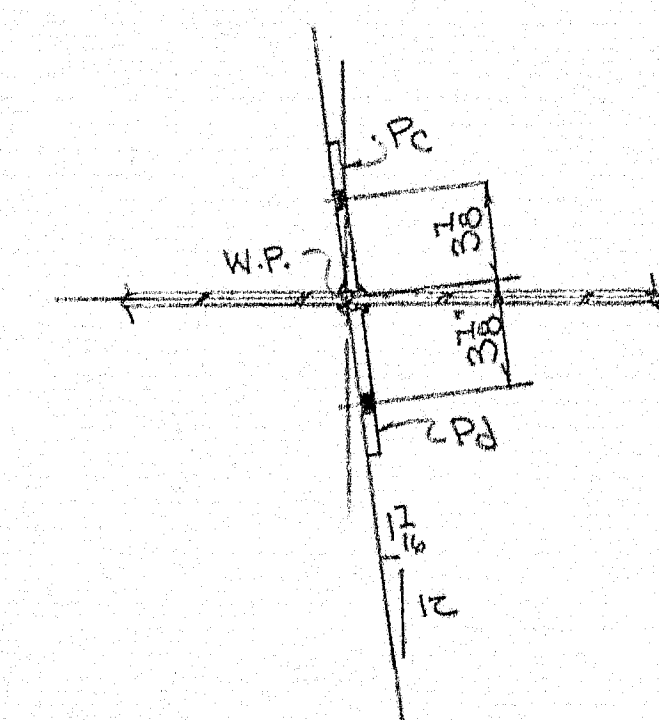
SECTION A-A



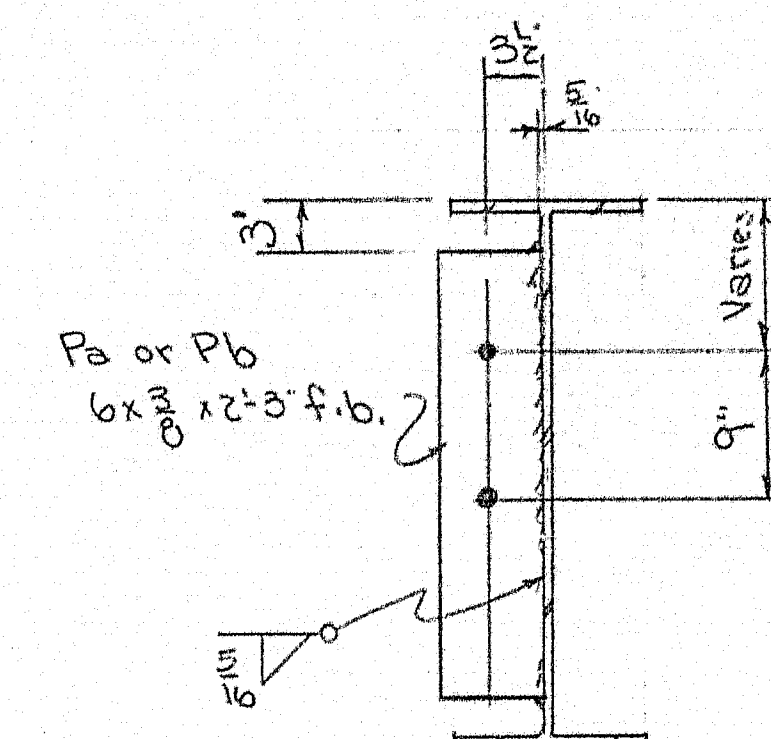
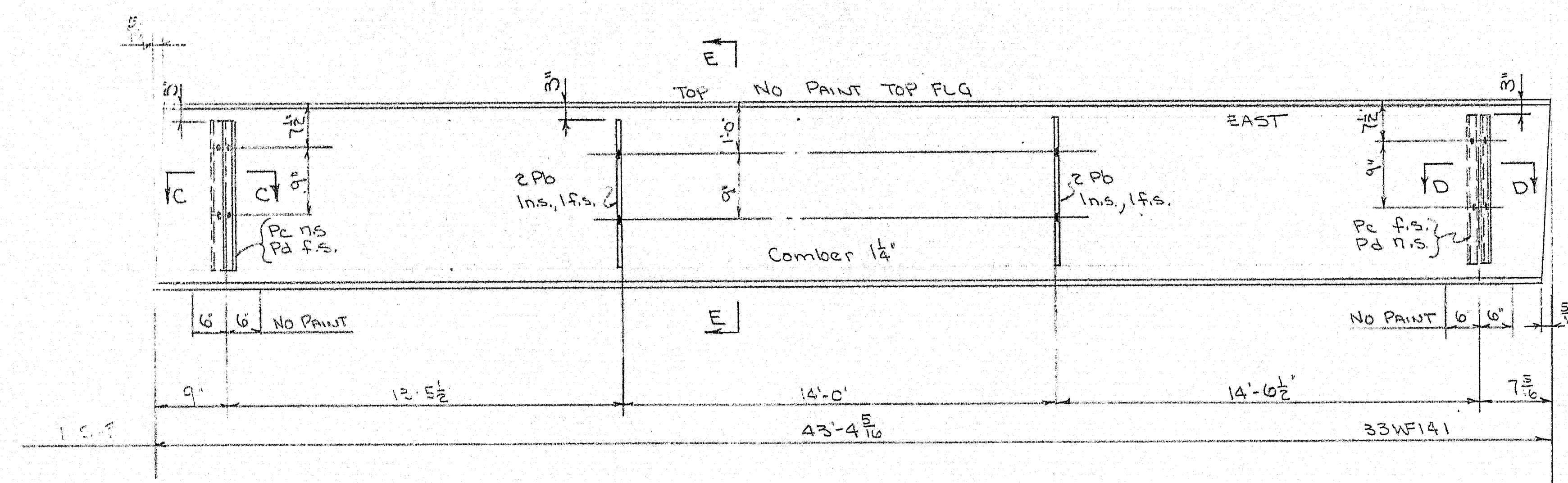
SECTION B-B



SECTION C-C



SECTION D-D



SECTION E-E

NOTE: NO PAINT ON DIAPHRAGM PLATES

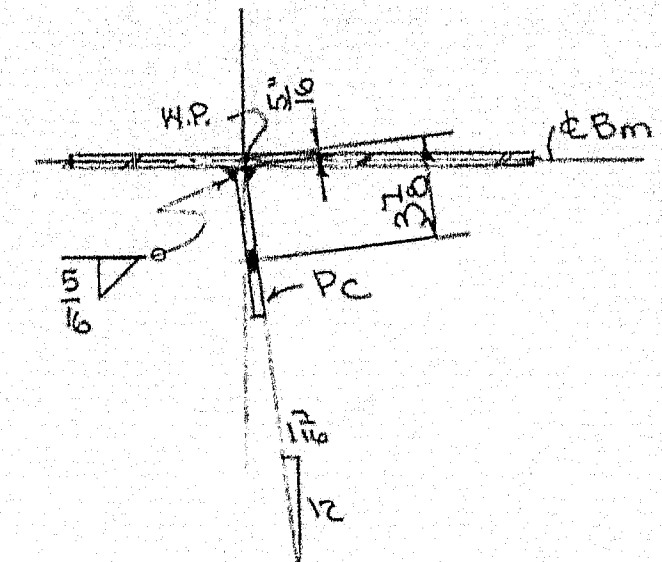
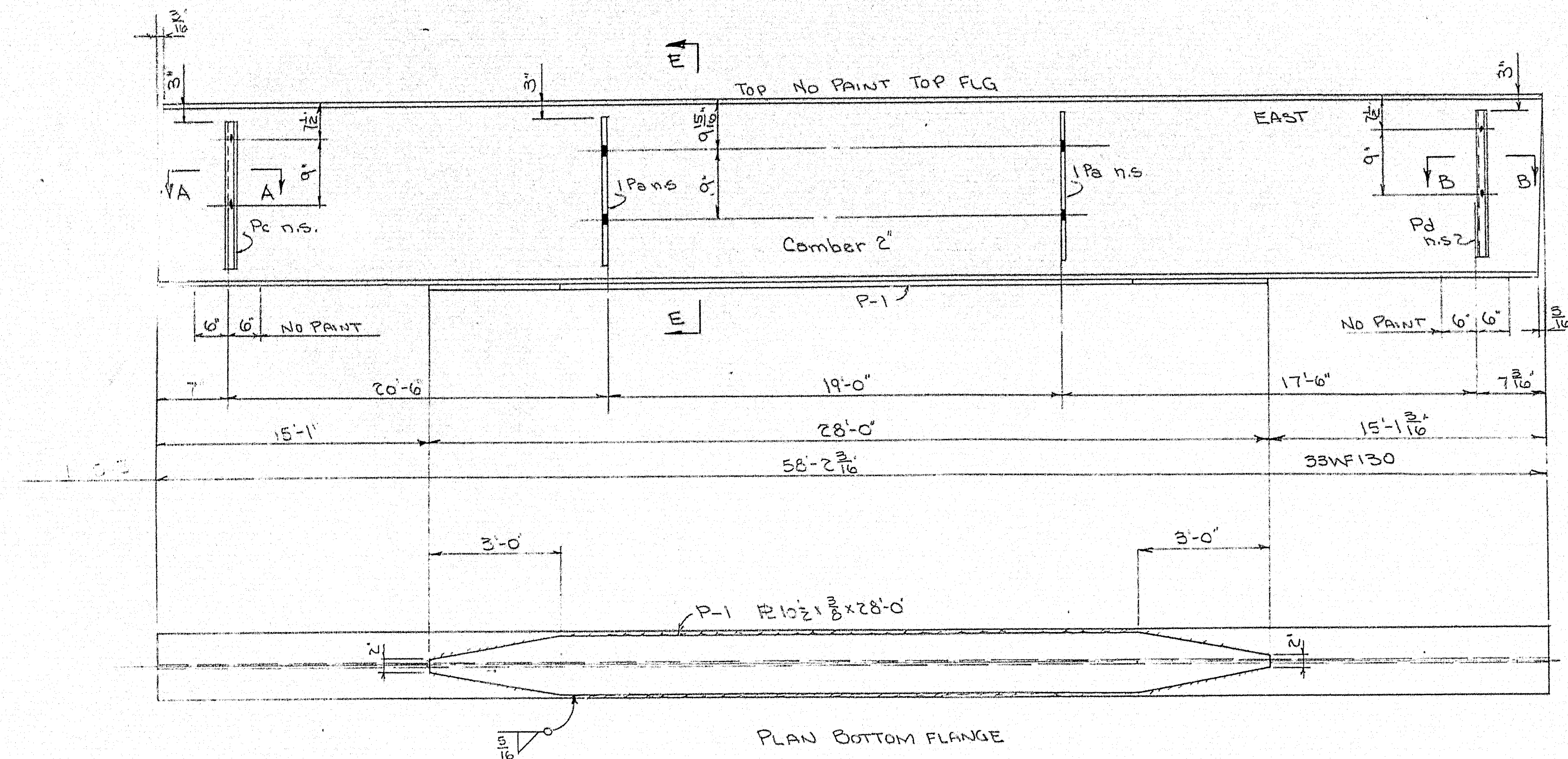
SHIP		BILL OF MATERIAL				DWG. NO.	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	QUANTITY	REMARKS
5-3	1		33WF141	43	115	1	
5-4	1		33WF130	43	115	1	
	2	Pa	6x8 f.b.	2	3		
	4	Pb	do	2	3		
	3	Pc	do	2	3		
	3	Pd	do	2	3		
	1		5/16" FIELD NUT	1/4	0		

SHOP CONNECTIONS: Welded  
FIELD CONNECTIONS: Welded 2 1/2" x 9" Mach bolts  
HOLES: 1 1/8"  
PAINT: Red lead 8oz per sq ft

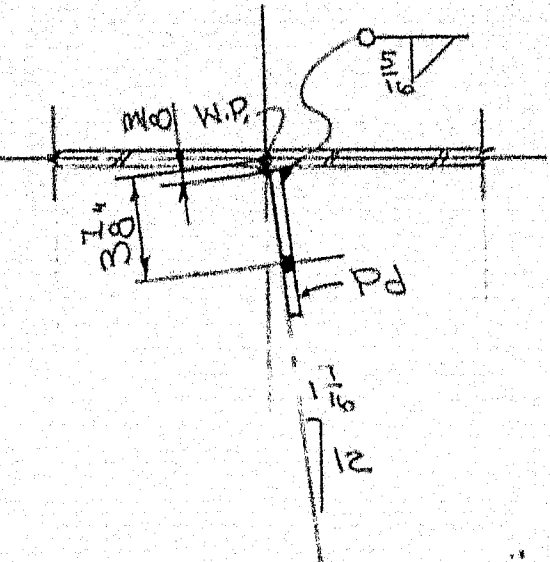
BEAM DETAILS	
Bancroft & Martin Rolling Mill Company South Portland 7, Maine	
TRAFTON ROAD BRIDGE WATERVILLE, MAINE	
CUSTOMER CIANCHETTE BROS DESIGNER MAINE STATE HWY COM	
ORDER NO. 3716	DWG. NO. 8-265 S-3

DRAWN	8-22-58	WHM
REVISION		
REVISION		
REVISION		

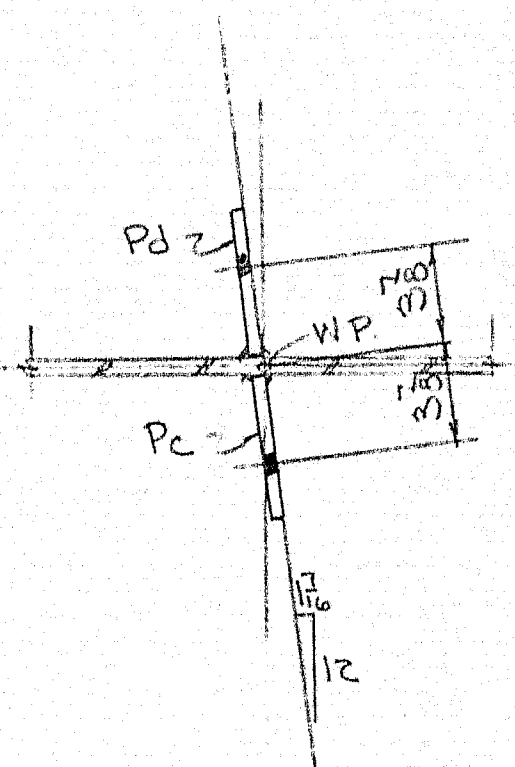




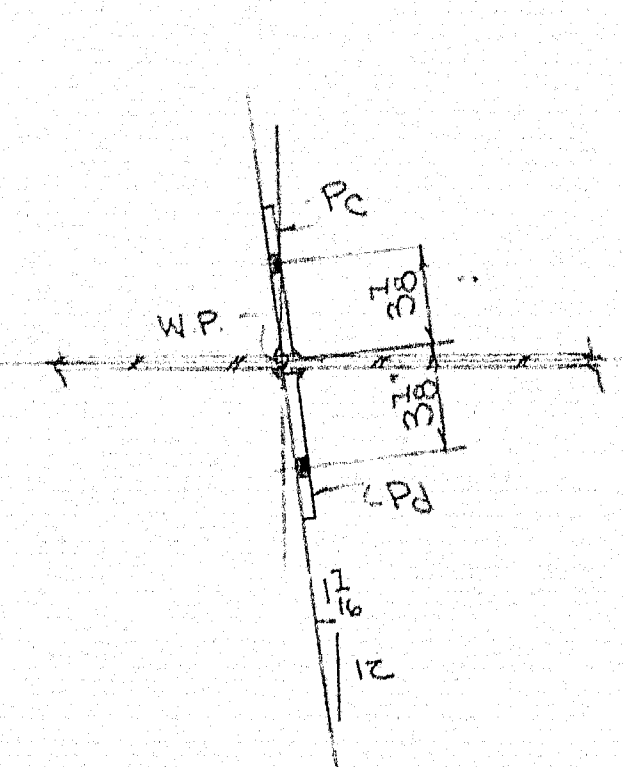
SECTION A-A



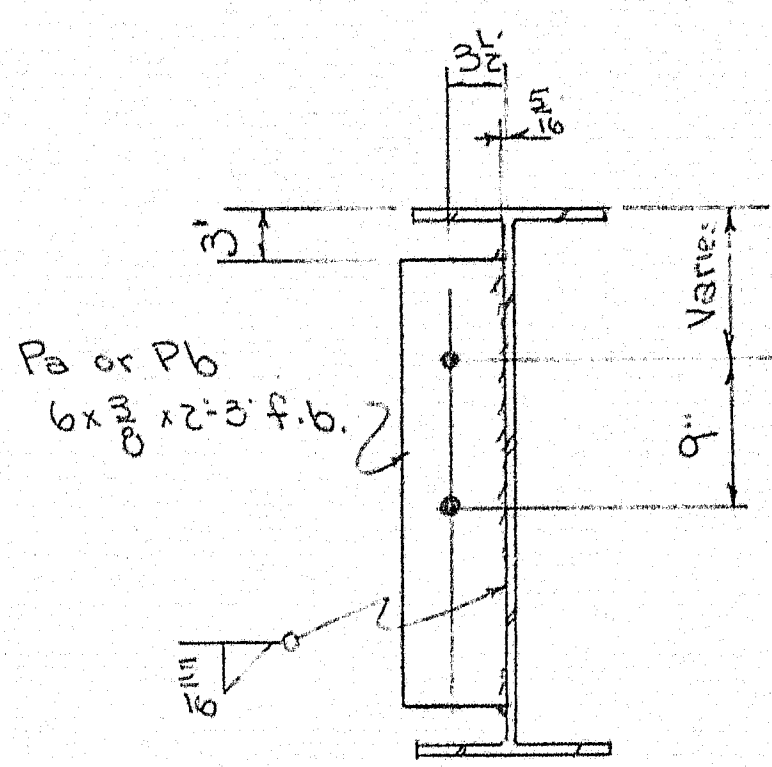
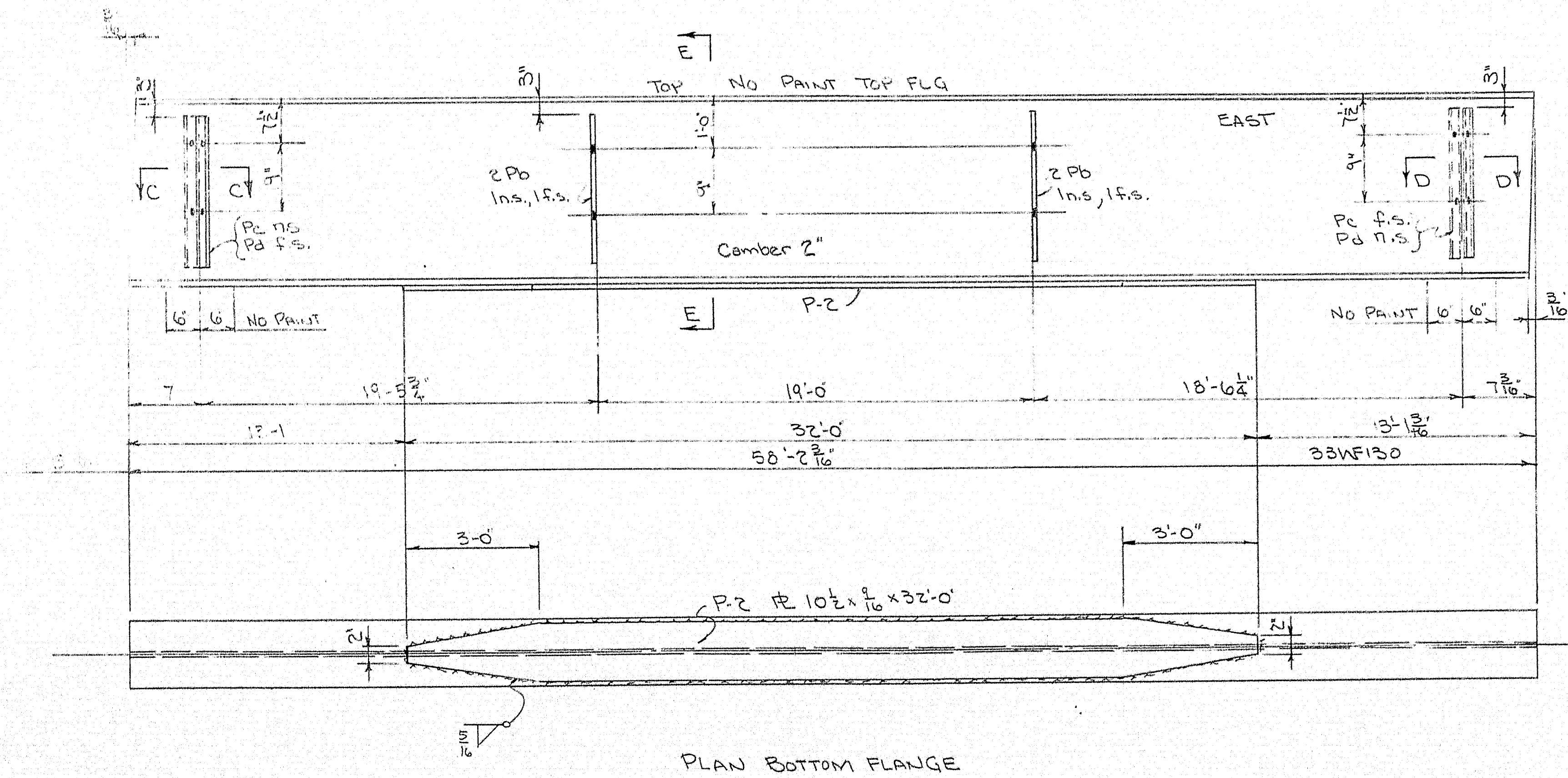
SECTION B-B



SECTION C-C



SECTION D-D



SECTION E-E

SHIP		BILL OF MATERIAL					DWG. NO. 8-265 S-4	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS		
3-5	1		33WF130	58' 2 3/16"			2	A373
3-6	1		do	58' 2 3/16"			2	A373
	2	Pa	6 x 3/8 f.b.	2' 3"				A-7
	4	Pb	do	2' 3"				A-7
	3	Pc	do	2' 3"				A-7
	3	Pd	do	2' 3"				A-7
	1	P1	12 1/2 x 1/8	28' 0"			32	A373
	1	P2	12 1/2 x 1/8	32' 0"			30	A373
	1		1/2" Flange	175' 0"				

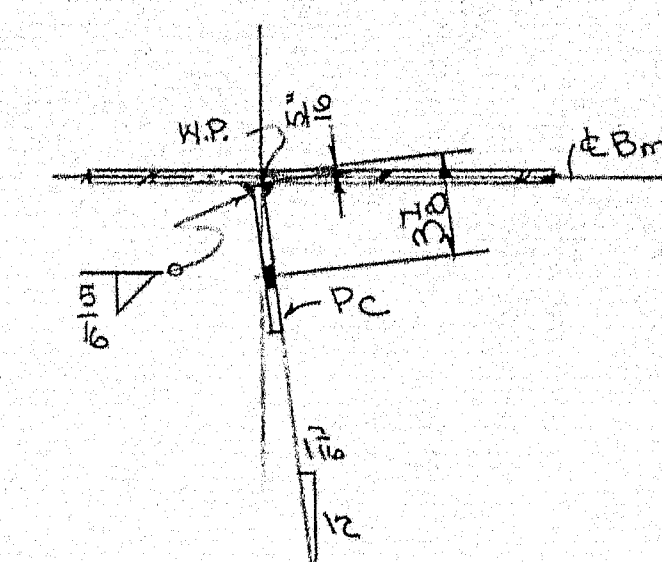
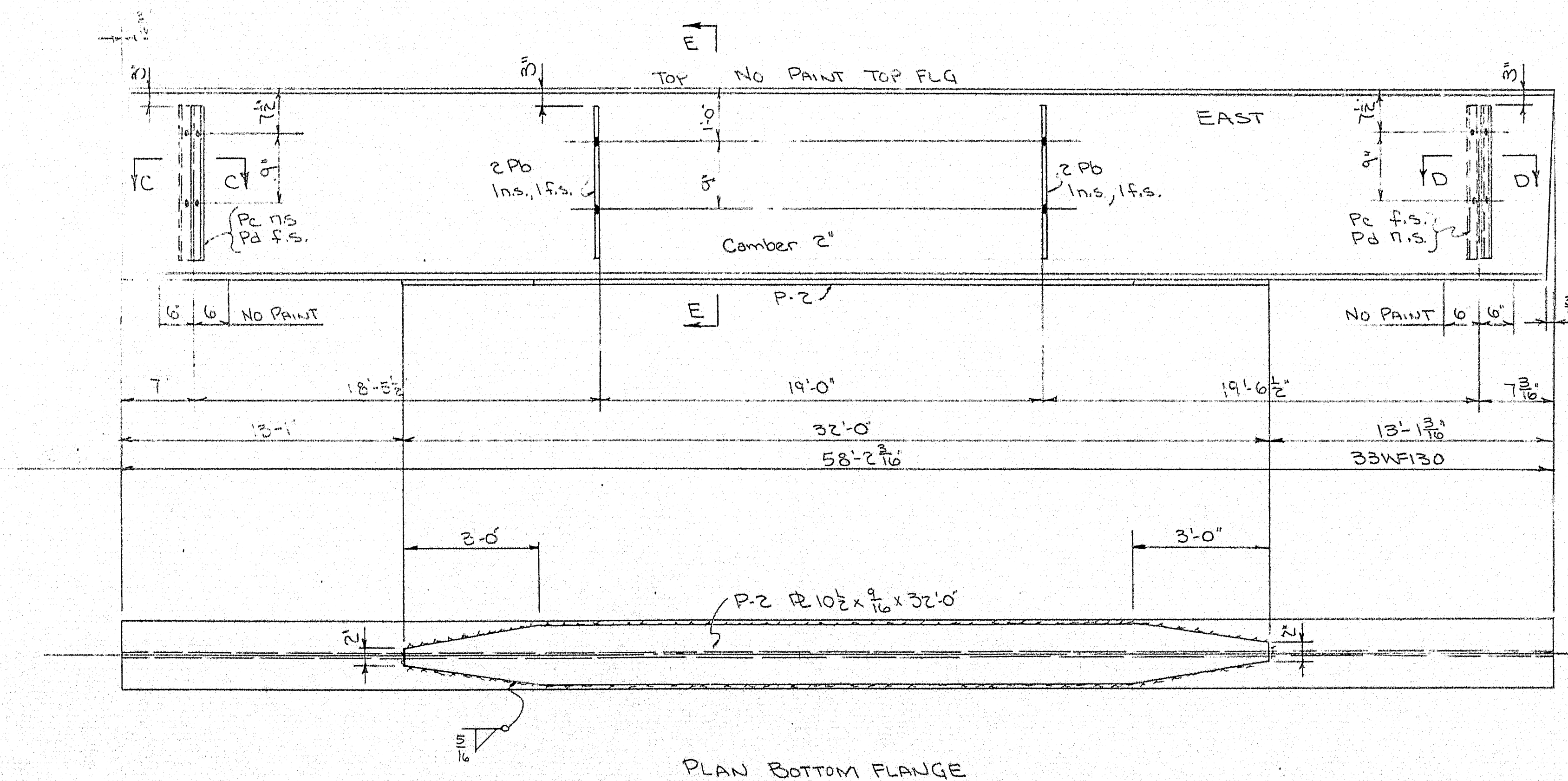
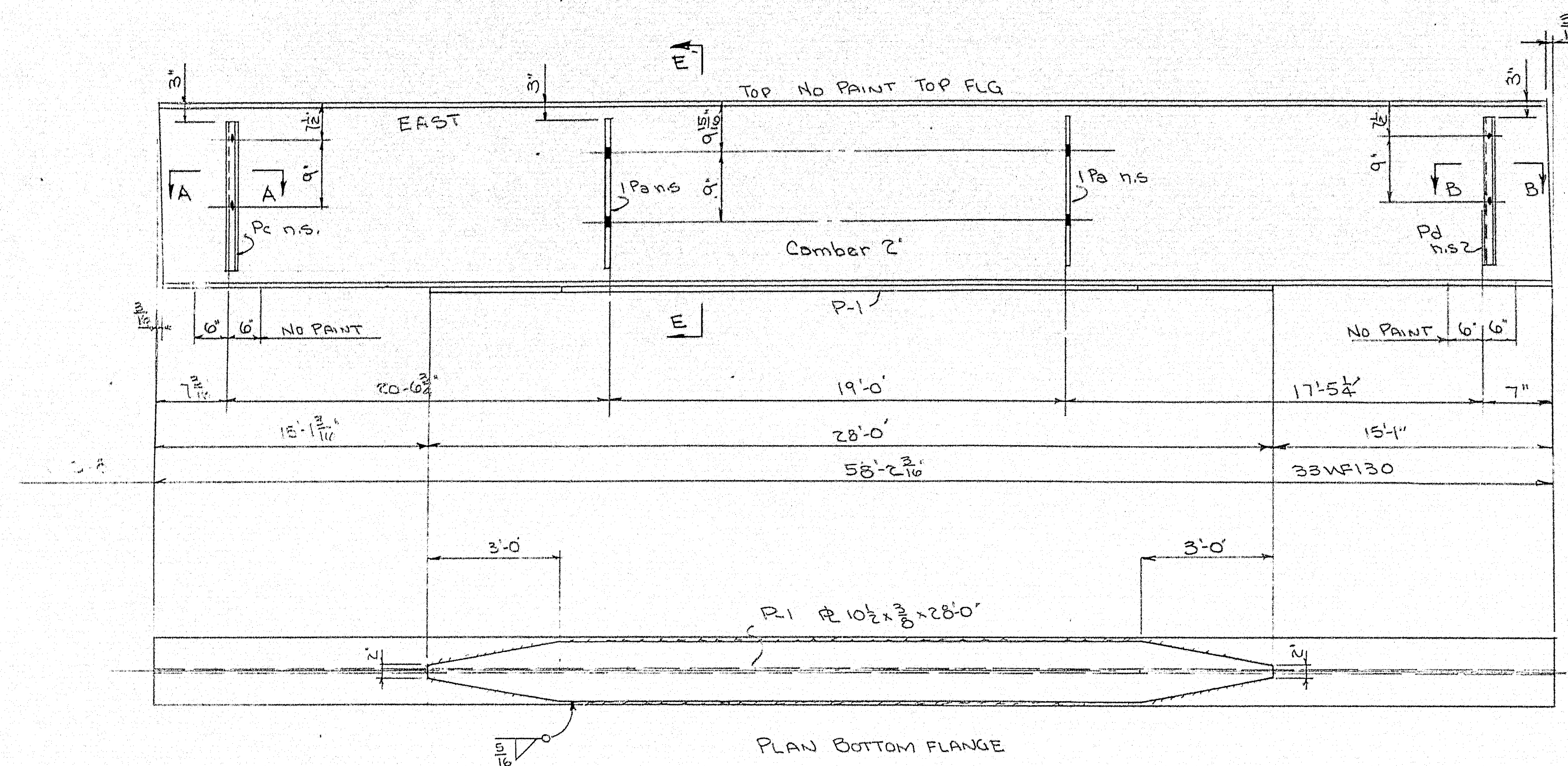
SHOP CONNECTIONS: Welded  
FIELD CONNECTIONS: Welded 2" Max. bolts  
HOLES: 1 1/16"  
PAINT: Red lead coat per spec.

NOTE: No PAINT ON DIAPHRAGM PLATES

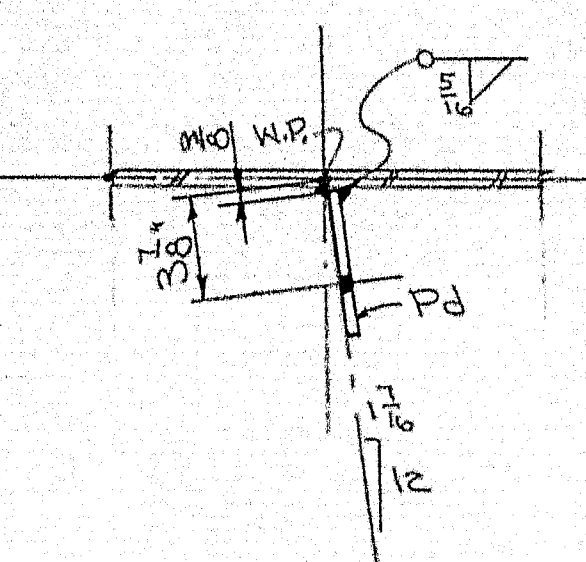
BEAM DETAILS	
Branco & Martin Rolling Mills Company South Portland, Maine	
TRAFFIC ROAD BRIDGE WATERVILLE, MAINE	
CUSTOMER: CLANCHETTE BROS. DESIGNER: MAINE STATE HIGH COM.	
ORDER NO. 3716	DWG. NO. 8-265 S-4

DRAWN	8-22-58	WHM
REVISION		
REVISION		
REVISION		

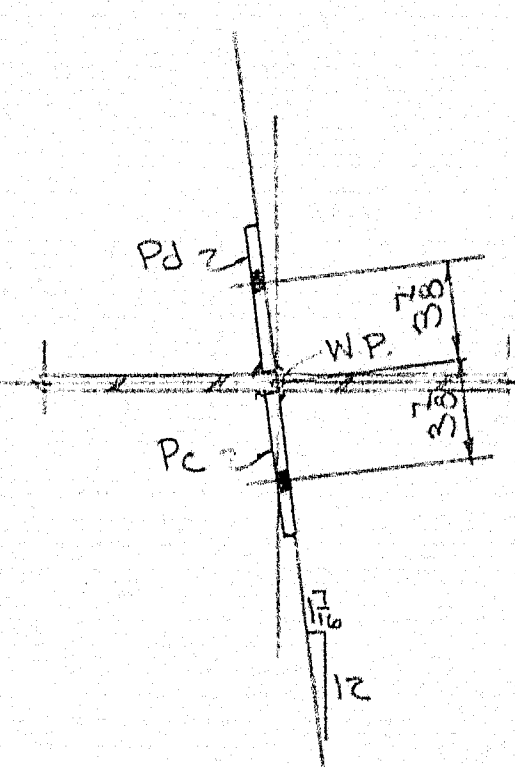




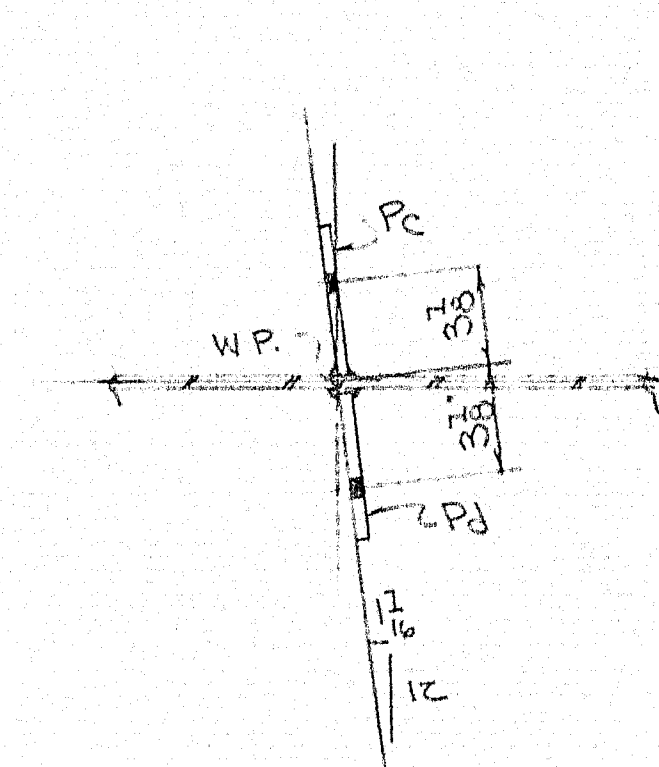
SECTION A-A



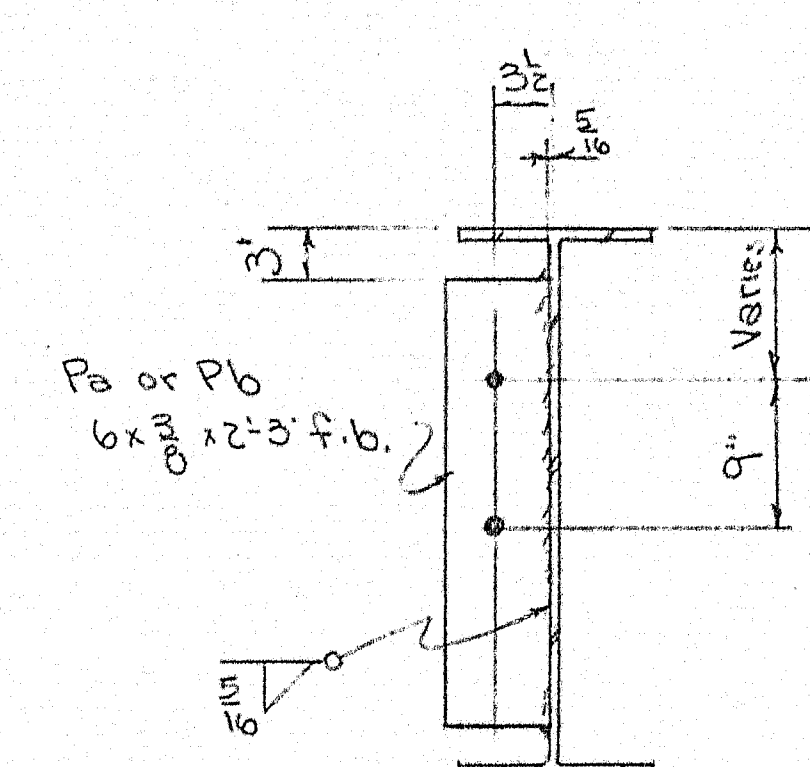
SECTION B-B



SECTION C-C



SECTION D-D



SECTION E-E

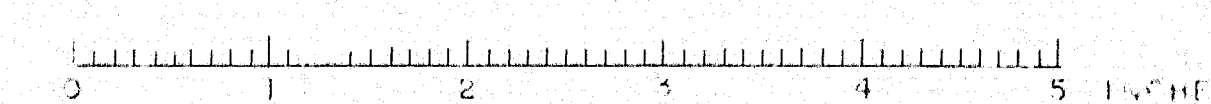
NOTE: - NO PAINT ON DIAPHRAGM PLATES

SHIP		BILL OF MATERIAL				DWG. NO. 8-265 S-2	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS	
S-7	1		33WF130	58' 2 3/16"			A-13
S-8	1		30	58' 2 3/16"			A-13
	2	Pa	6x3/8 f.b.	2 3			A-1
	4	Pb	do	2 3			A-1
	3	Pc	do	2 3			A-1
	3	Pd	do	2 3			A-1
	1	Pf	2x10x3/8	20 0			A-13
	1	Pg	2x10x3/8	20 0			A-13
	1		3/4" Flat Bar	25 0			A-13

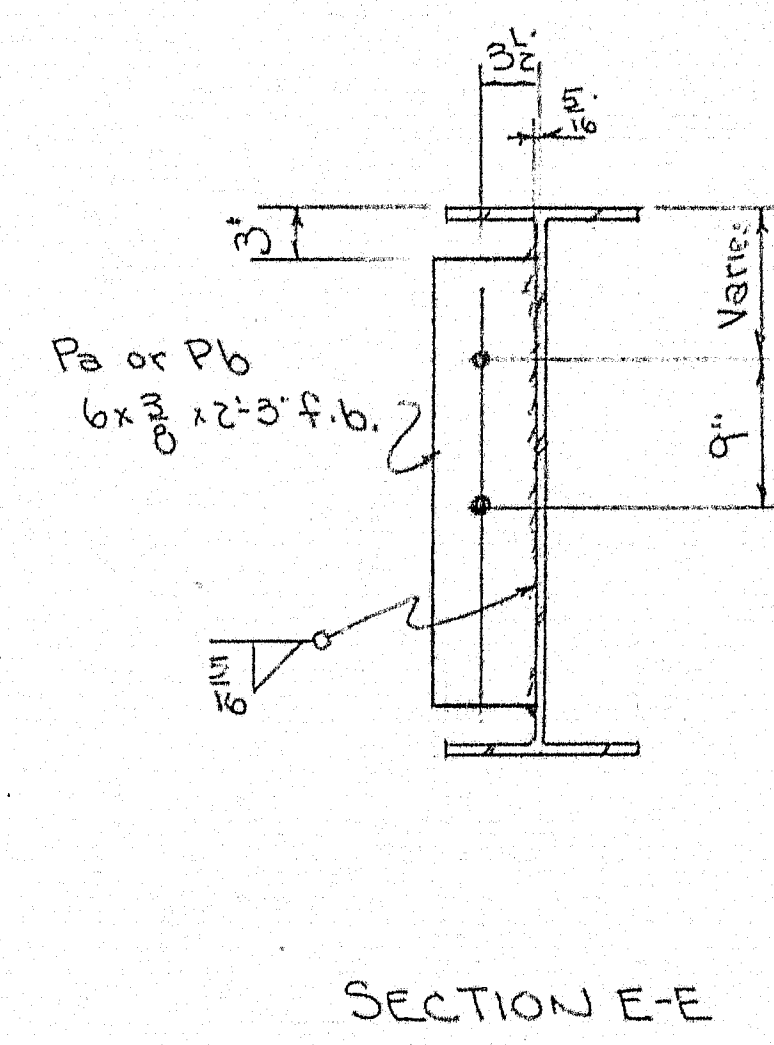
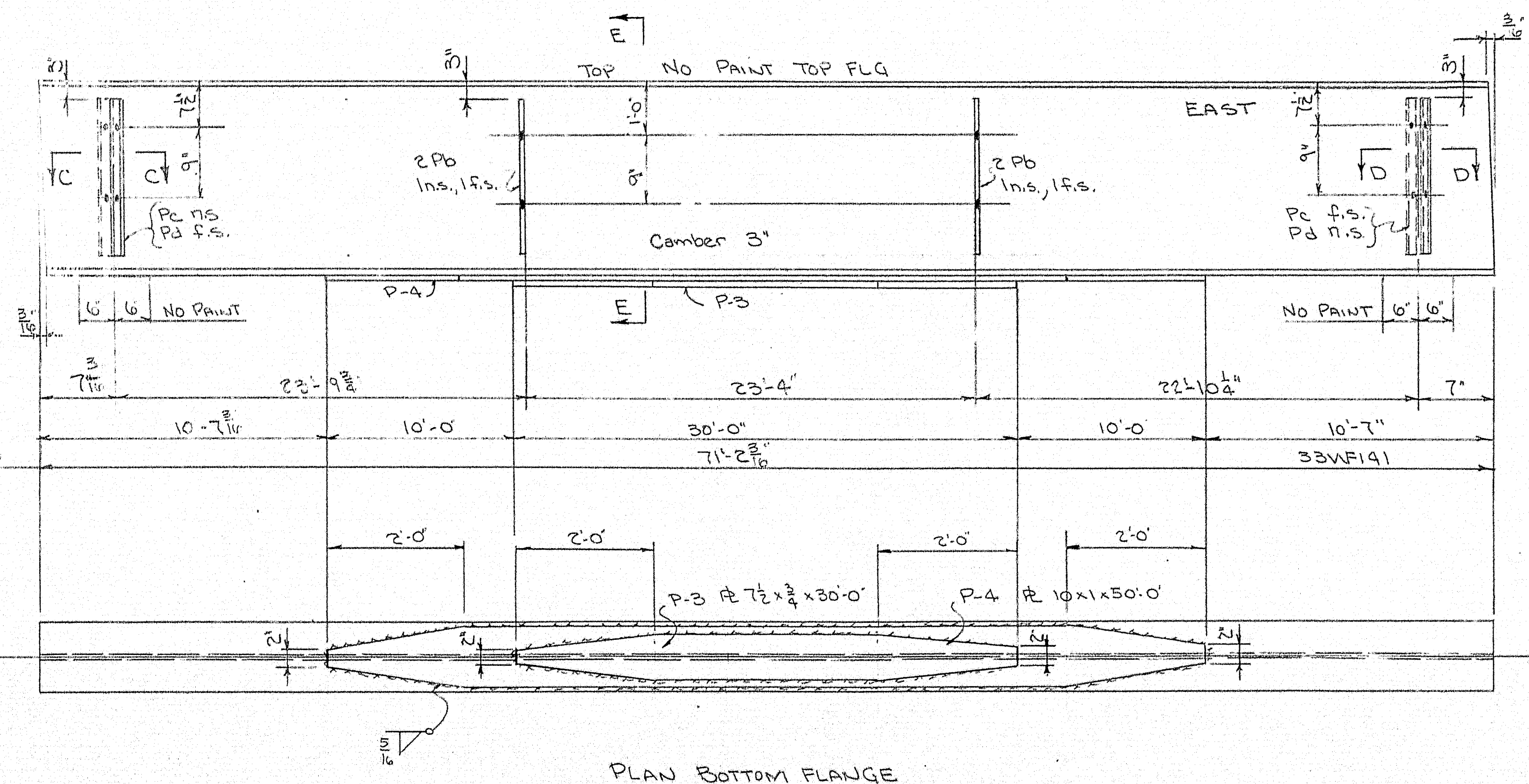
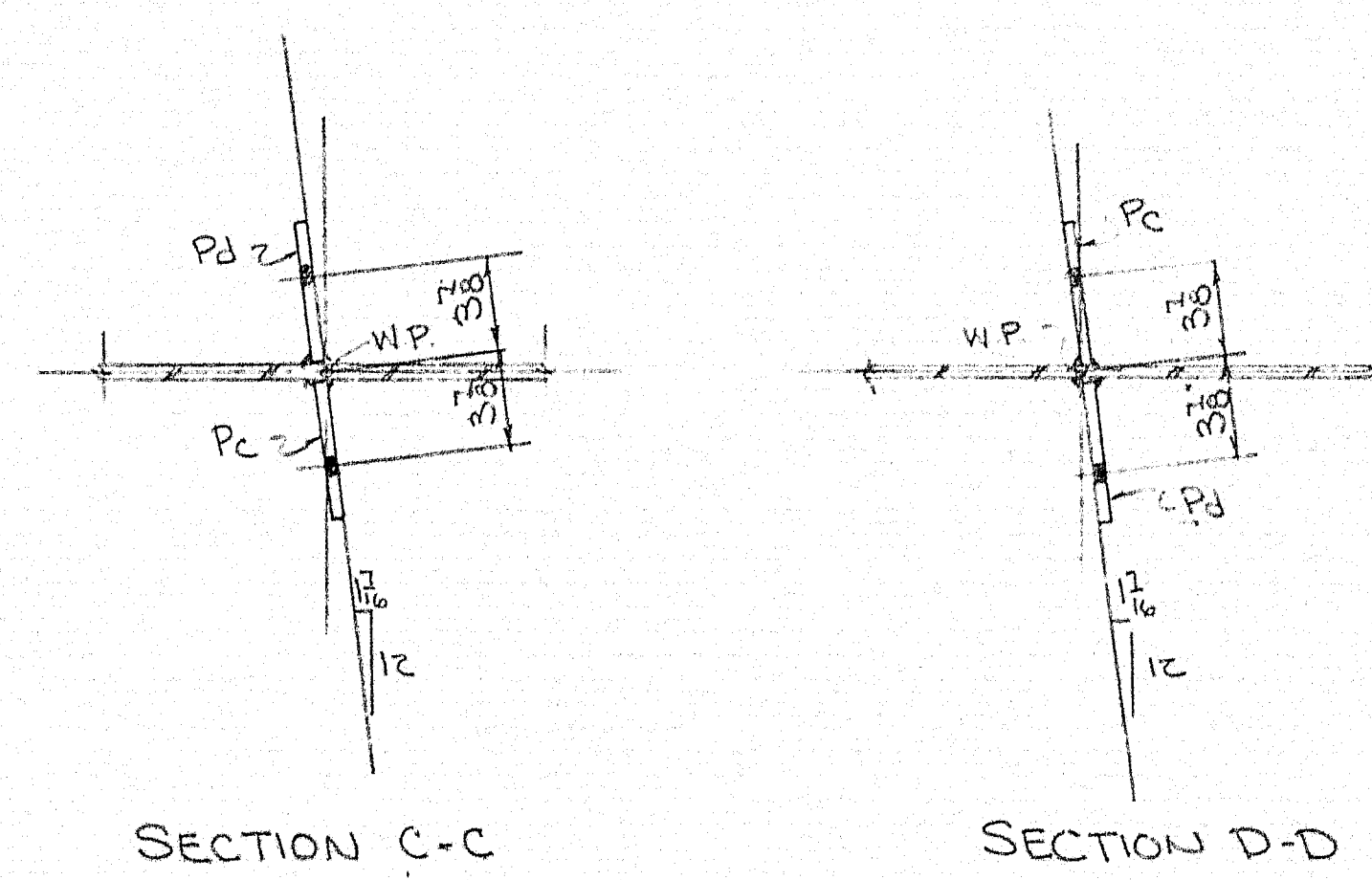
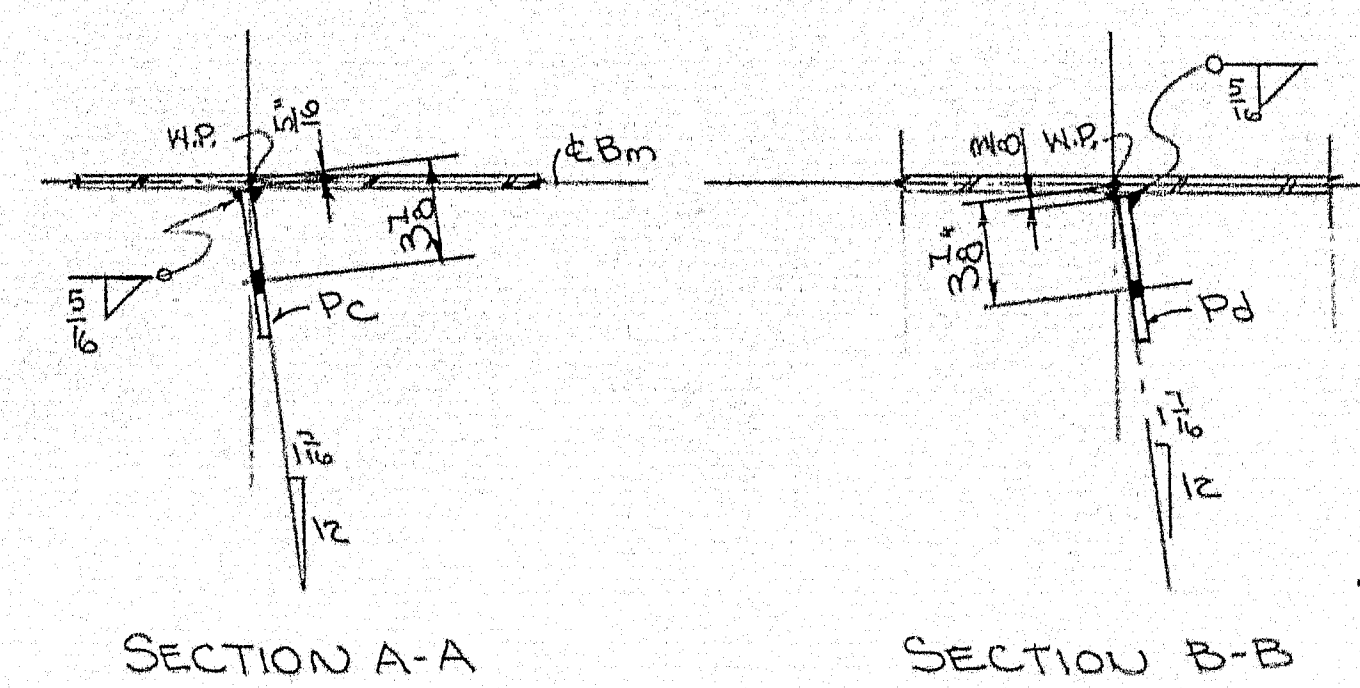
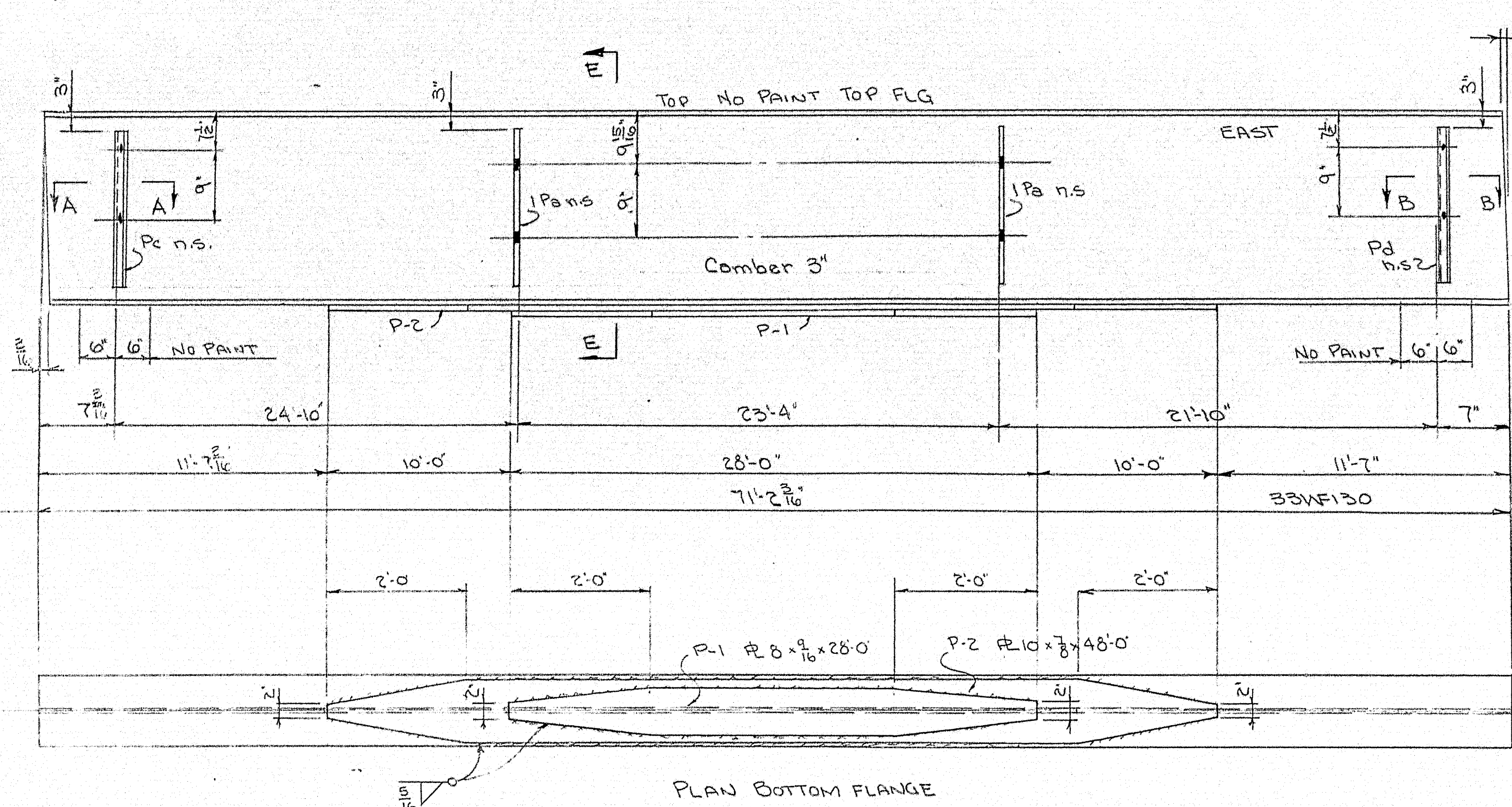
SHOP CONNECTIONS: VARIOUS  
FIELD CONNECTIONS: VARIOUS  
HOLES: 13/16"  
PAINT: Red lead and zinc

BEAM DETAILS	
Bancroft & Martin Rolling Mills Company South Portland 7, Maine	
TRAFFIC ROAD BRIDGE WINTERVILLE, MAINE	
CUSTOMER: MAINE STATE HIGH COM.	
DESIGNER: MAINE STATE HIGH COM.	
ORDER NO. 3716	DWG. NO. 8-265 S-13

DRAWN	8-22-58	WHM
REVISION		
REVISION		
REVISION		







NOTE:- NO PAINT ON DIAPHRAM PLATES

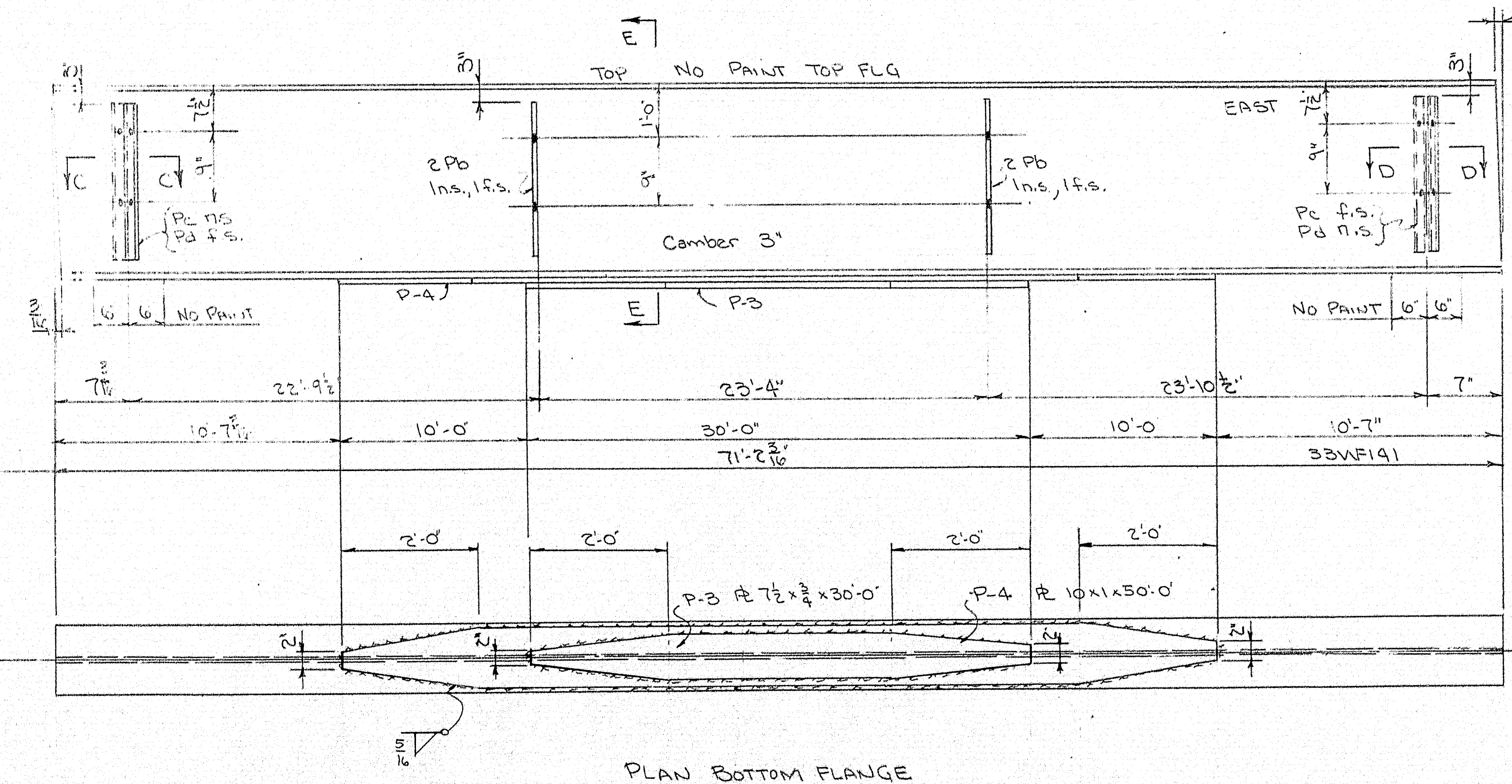
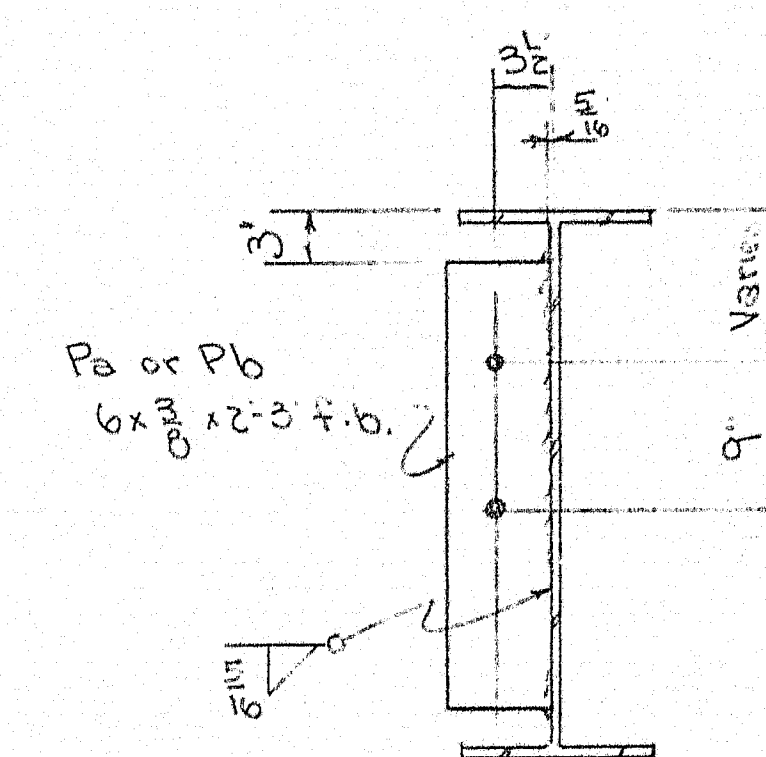
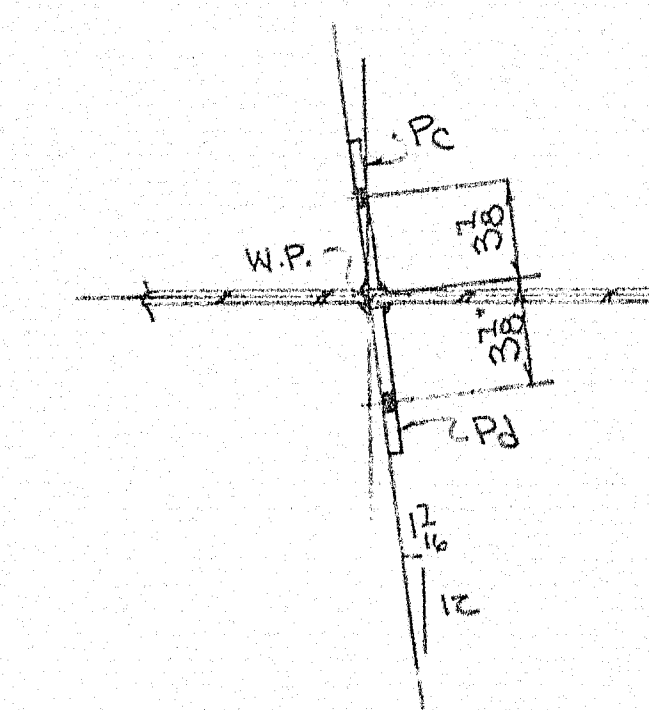
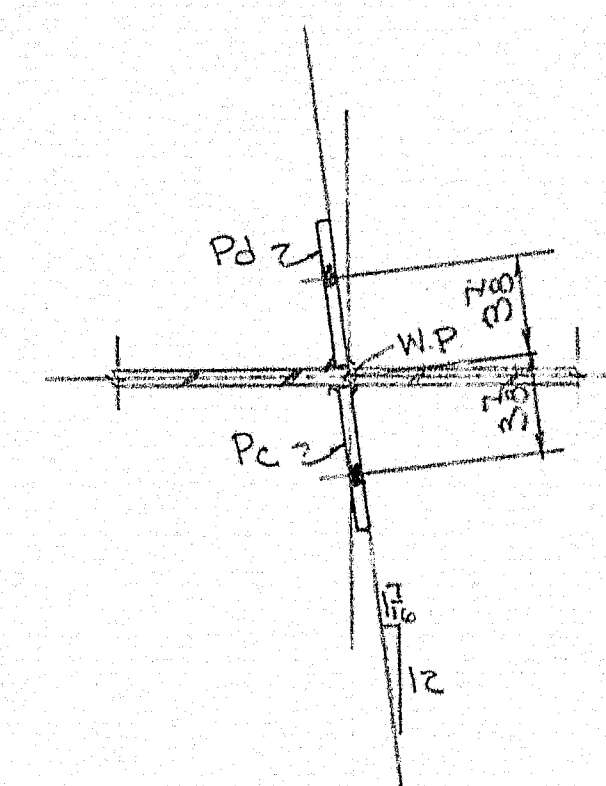
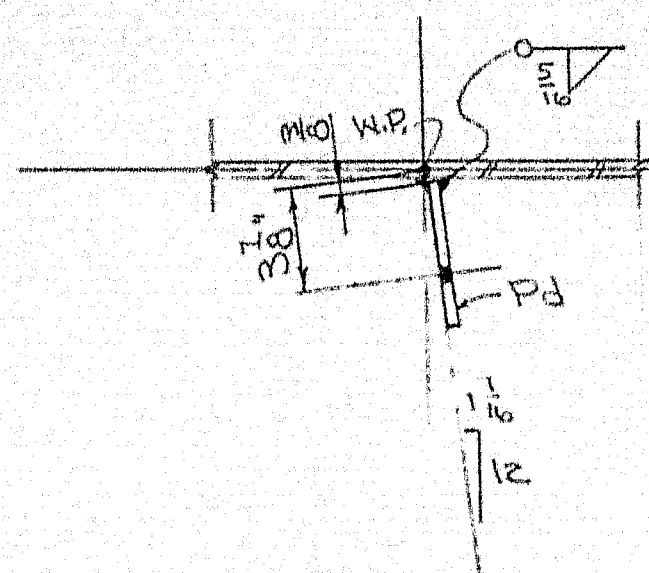
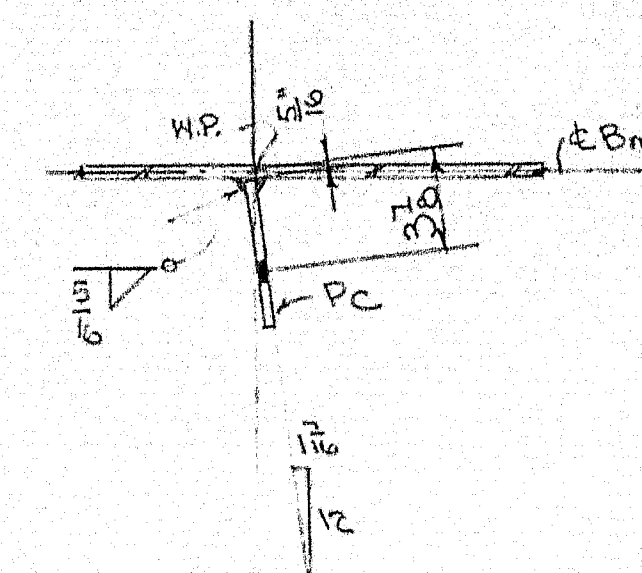
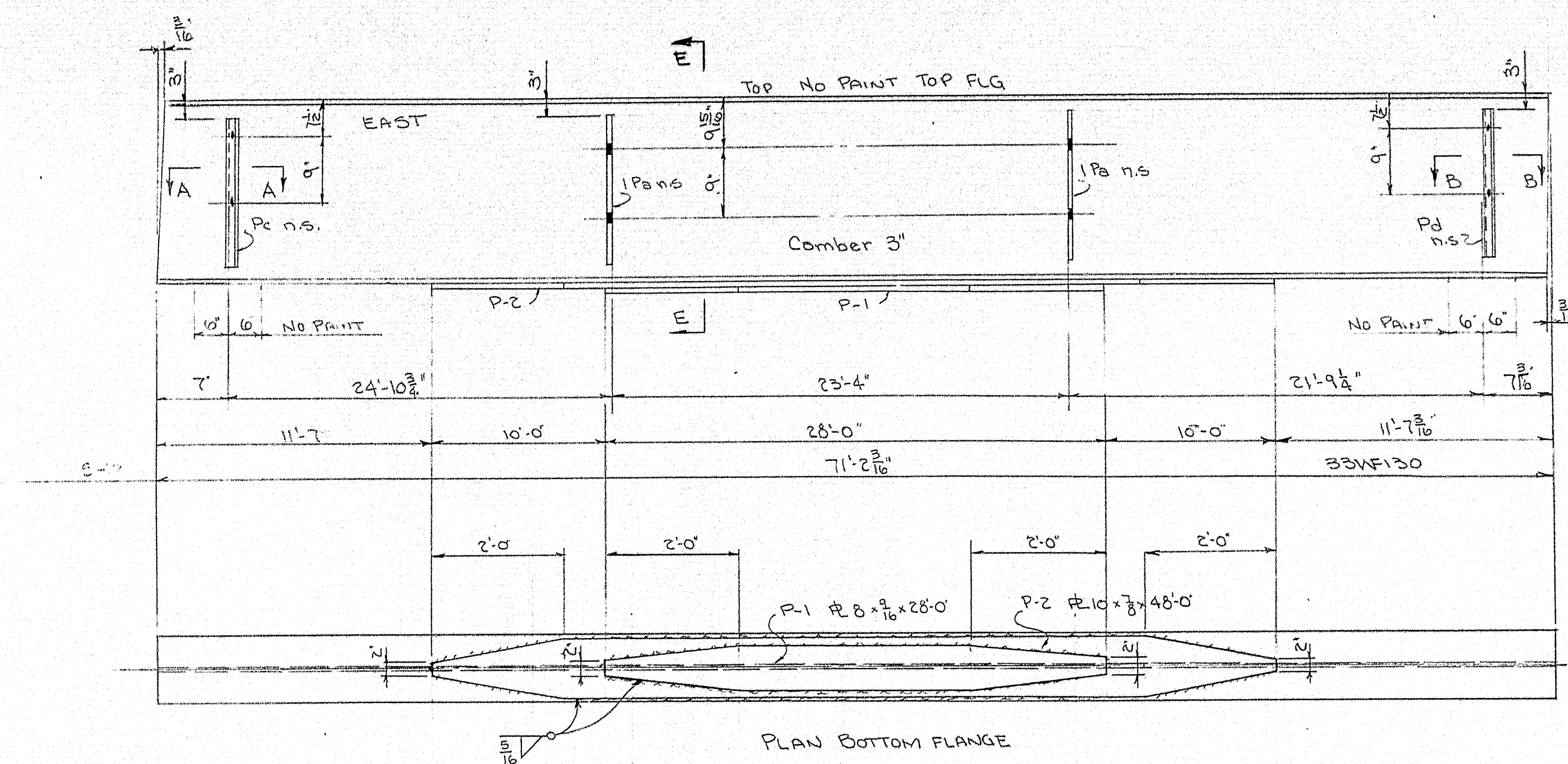
SHIP		BILL OF MATERIAL				DWG. NO. 8-265 S-4	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	DEDUCT	REMARKS
5-9	1		33WF130	71	$216\frac{3}{16}$		A373
5-10	1		33WF141	71	$216\frac{3}{16}$		A373
	2	Pa	6x3/8 f.b.	23	3		A-7
	4	Pb	do	23	3		A7
	3	Pc	do	23	3		A7
	3	Pd	do	23	3		A7
	1	P-1	2x8x $\frac{7}{16}$	28	0	23	A373
	1	P-2	2x10x $\frac{7}{8}$	48	0	48	A373
	1	P-3	2x7 $\frac{1}{2}$ x $\frac{3}{8}$	30	0	28	A373
	1	P-4	2x10x1	50	0	54	A373
	1	lin ft	$\frac{5}{16}$ Weld	366		61	.366

SHOP CONNECTIONS: Welded  
 FIELD CONNECTIONS: Welded 2 1/2\"/>

BEAM DETAILS	
Bancroft & Martin Rolling Mills Company South Portland 7, Maine	
TRAFTON ROAD BRIDGE WATERVILLE, MAINE	
CUSTOMER CLANCHETTE BROS DESIGNER MAINE STATE ARMY COMM	
ORDER NO. 3716	DWG. NO. 8-265 S-1

DRAWN	8-22-58	WHM
REVISION		
REVISION		
REVISION		



[illegible]

SHOP CONNECTIONS: Welded  
FIELD CONNECTIONS: 4x6 bolts to 4x8 angles  
HOLES: 1 1/2"  
PAINT: 2 coats of red lead

VERA DETAILS

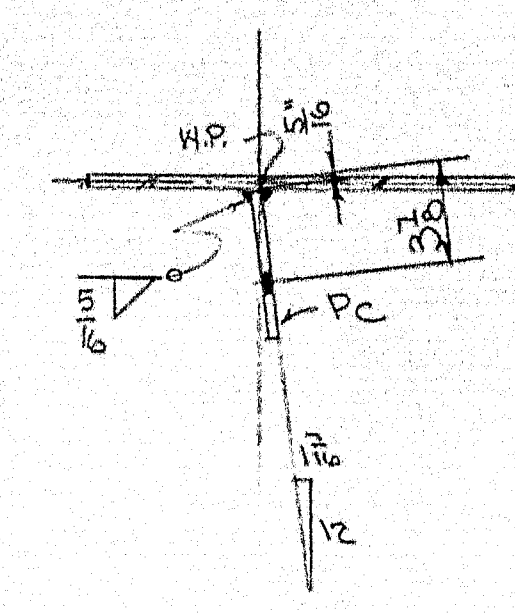
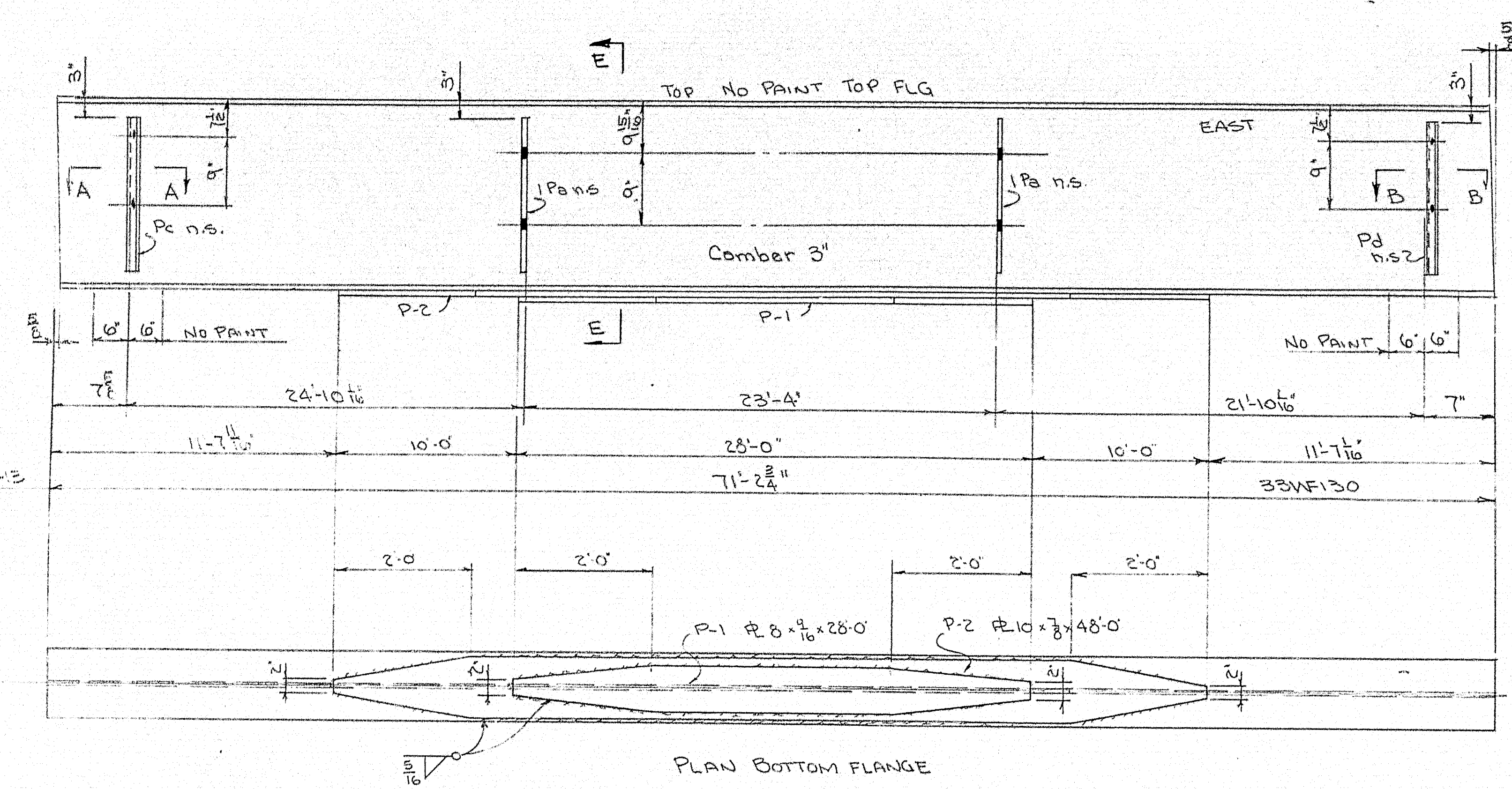
*Bancroft & Martin Rollings Mills Company*  
*South Portland 7, Maine*

TRAFTON ROAD BRIDGE.  
WARRENVILLE, MAINE

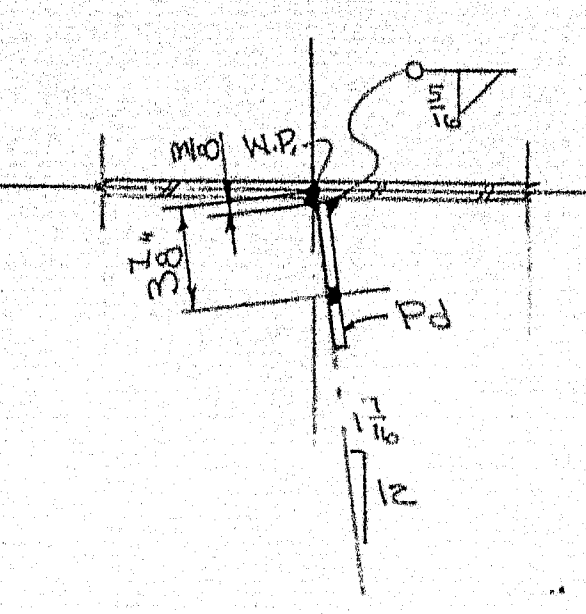
CUSTOMER CIANCHETTE BROS  
DESIGNER MAINE STATE ARMY COMM

ORDER NO. <u>3716</u>	DWG. NO. <u>8-265 S-7</u>
-----------------------	---------------------------

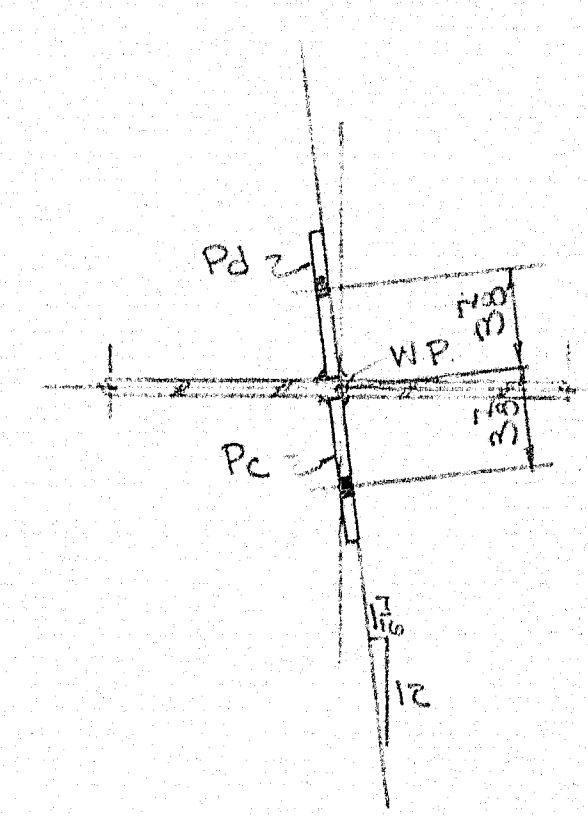




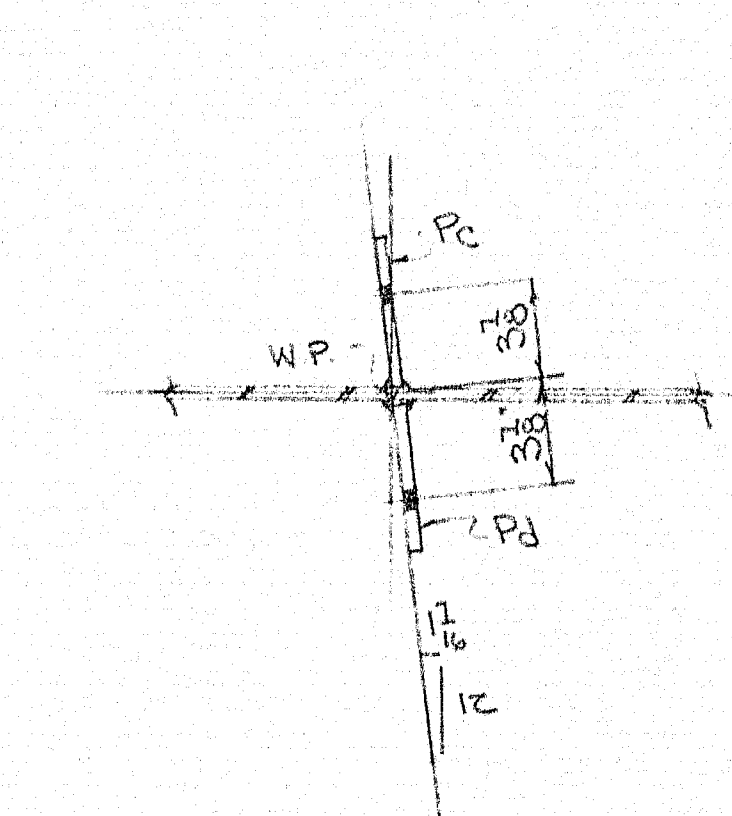
SECTION A-A



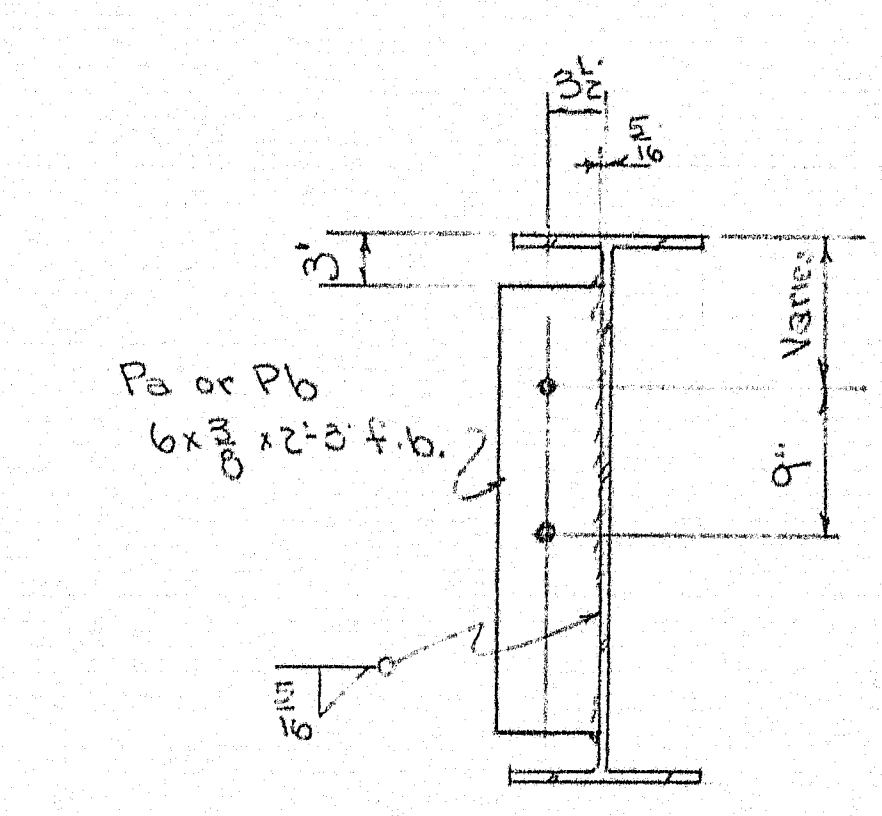
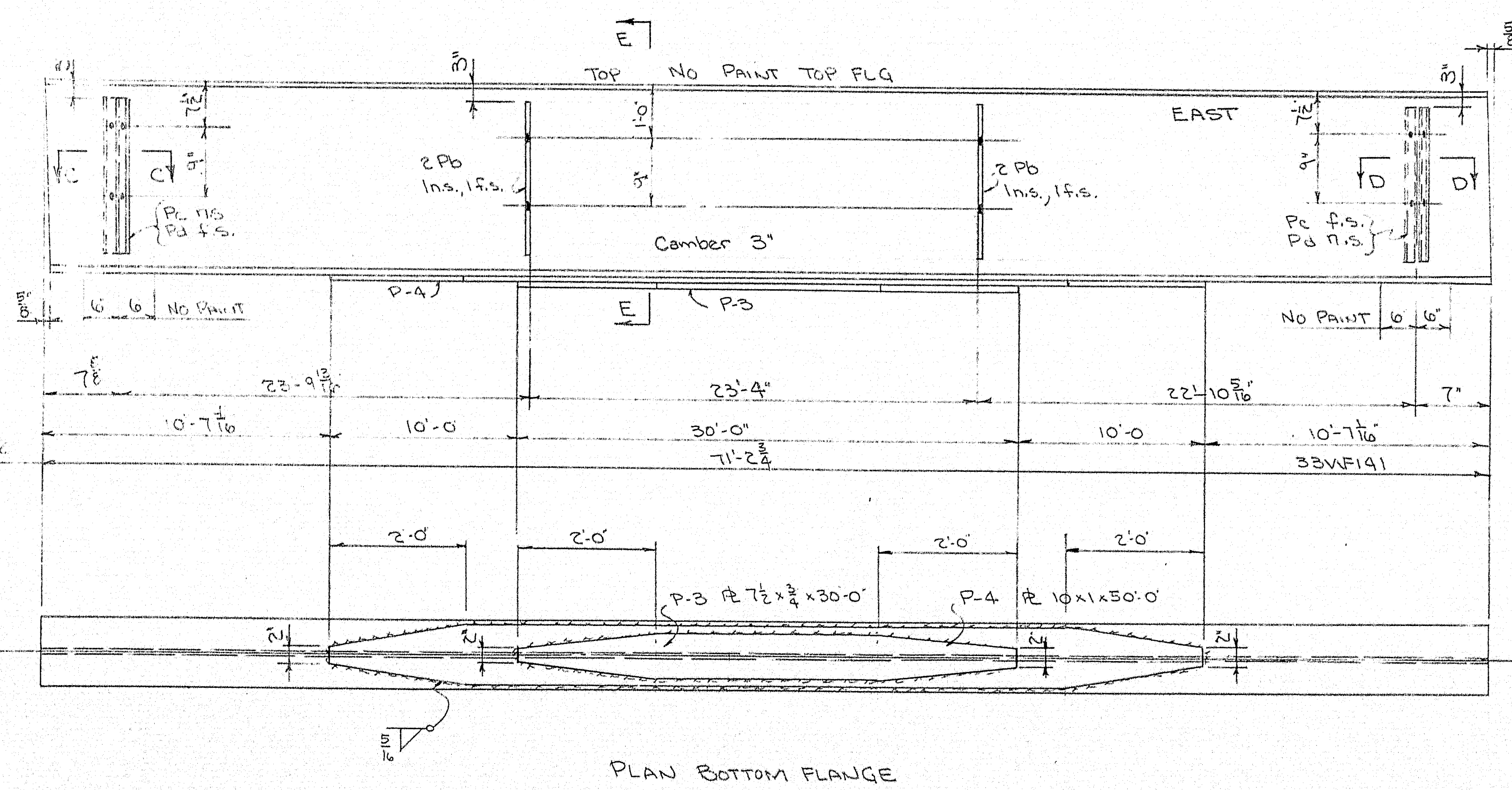
SECTION B-B



SECTION C-C



SECTION D-D



SECTION E-E

NOTE:- NO PAINT ON DIAPHRAM PLATES

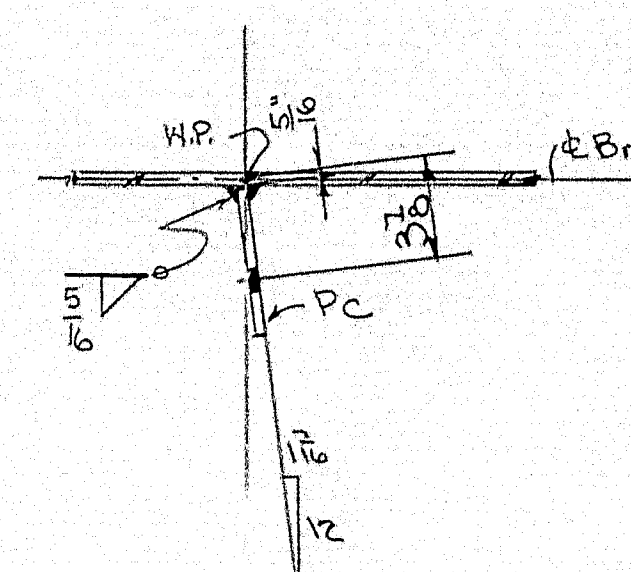
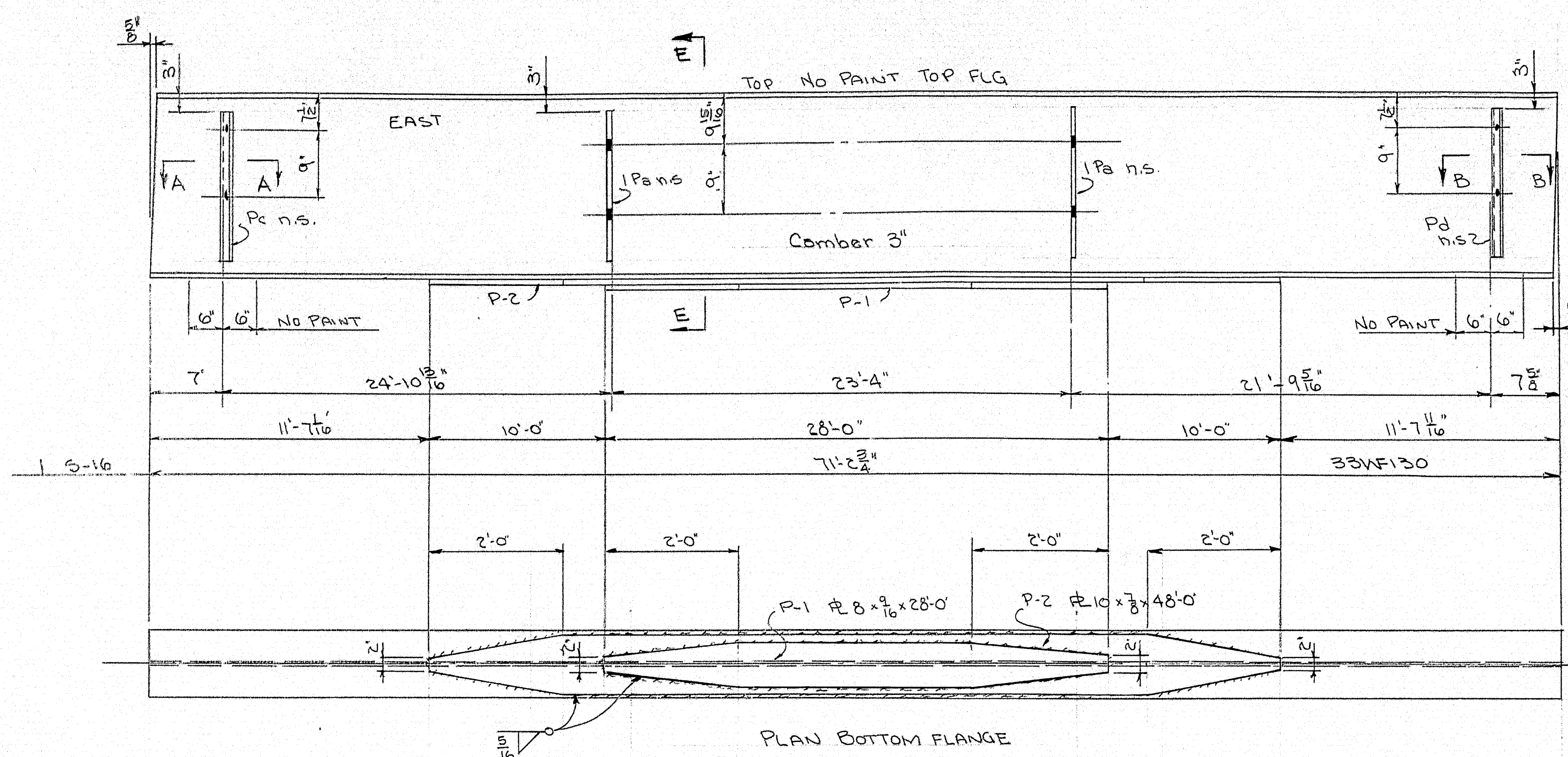
SHIP		BILL OF MATERIAL				DWG. NO. 8-265 S-1	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	DESIGN	REMARKS
5-13	1		33WF130	71'-2 3/4"		7	A373
5-14	1		33WF141	71'-2 3/4"		7	A373
	2	Pa	6x8 f.b.	2'-3"			A-7
	4	Pb	do	2'-3"			A7
	3	Pc	do	2'-3"			A7
	3	Pd	do	2'-3"			A7
	1	P-1	PL 8x10	28'-0"		23	A373
	1	P-2	PL 10x8	48'-0"		48	A373
	1	P-3	PL 7 1/2x8	30'-0"		28	A373
	1	P-4	PL 10x1	50'-0"		54	A373
	1	Ln	1/2" Weld	366'	61		

SHOP CONNECTIONS: WELDED  
 FIELD CONNECTIONS: WELDED 1/2" F.M.  
 HOLES: 1 1/2"  
 PAINT: Red lead and varnish

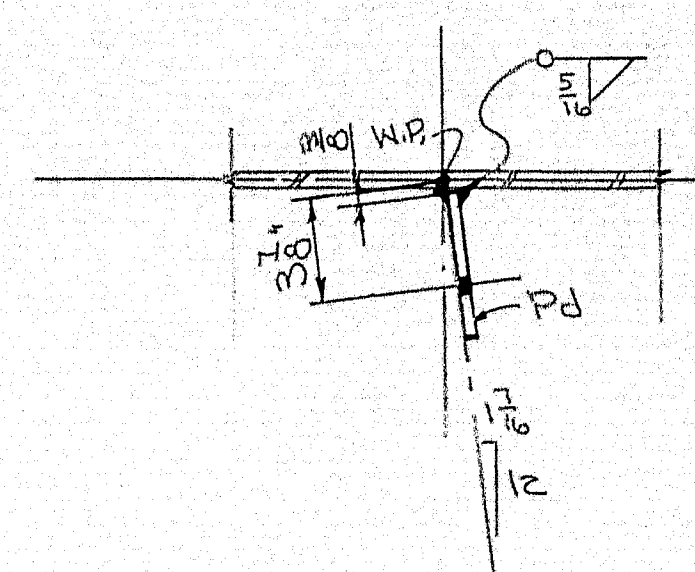
BEAM DETAILS	
Branco & Martin Rolling Mills Company South Portland 7, Maine	
TRAFALGAR ROAD BRIDGE WINNECHEE, MAINE	
CUSTOMER	CARDWELL, JR.
DESIGNER	MAINE STATE HIGHWAY COMM.
ORDER NO.	2-116
DWG. NO.	8-265 S-1

DRAWN	8-22-58	WHM
REVISION		
REVISION		
REVISION		

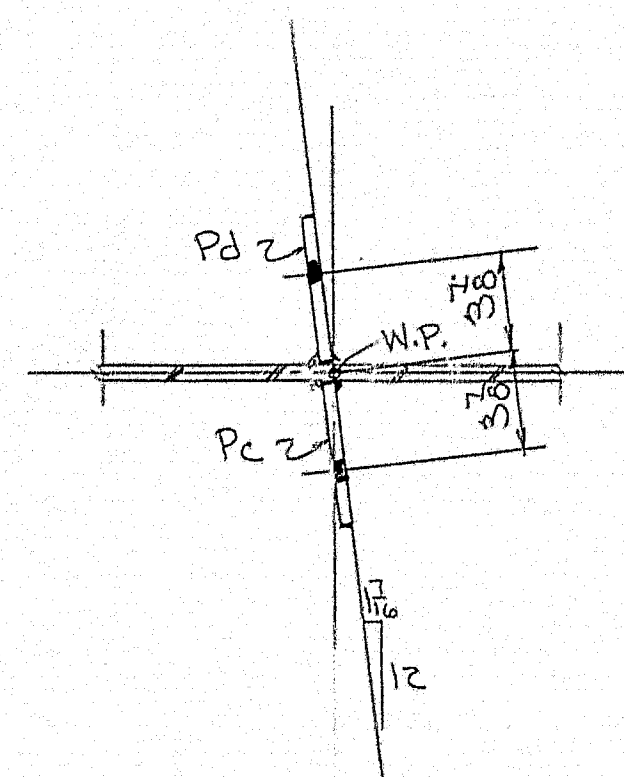




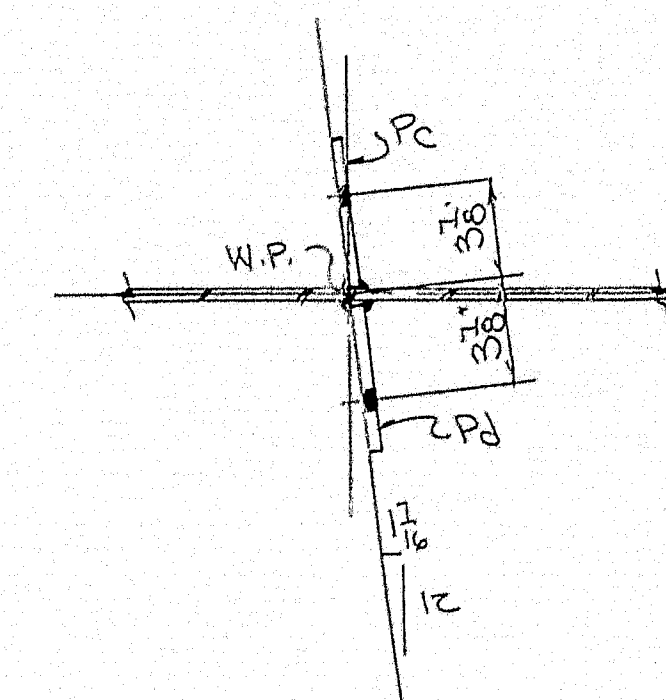
SECTION A-A



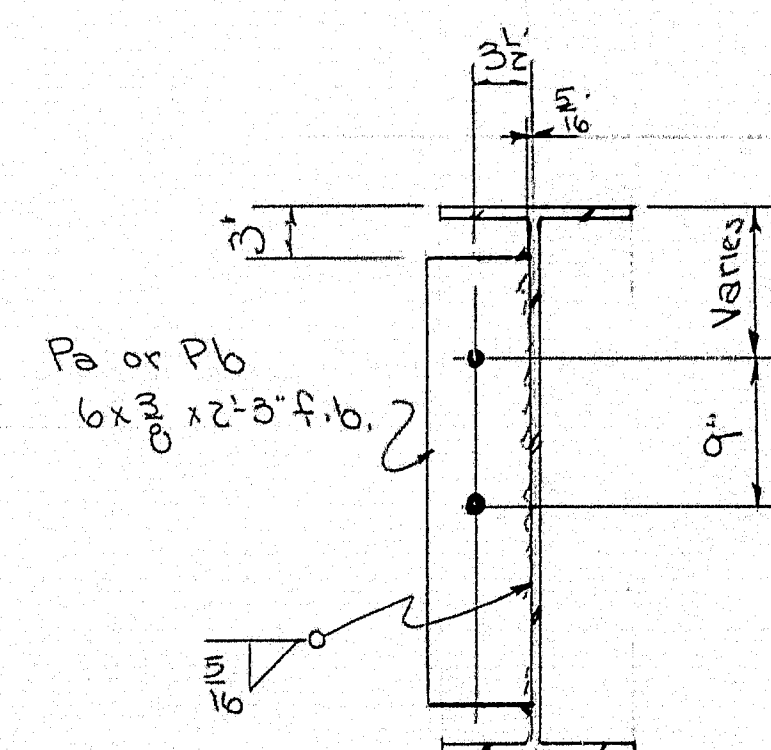
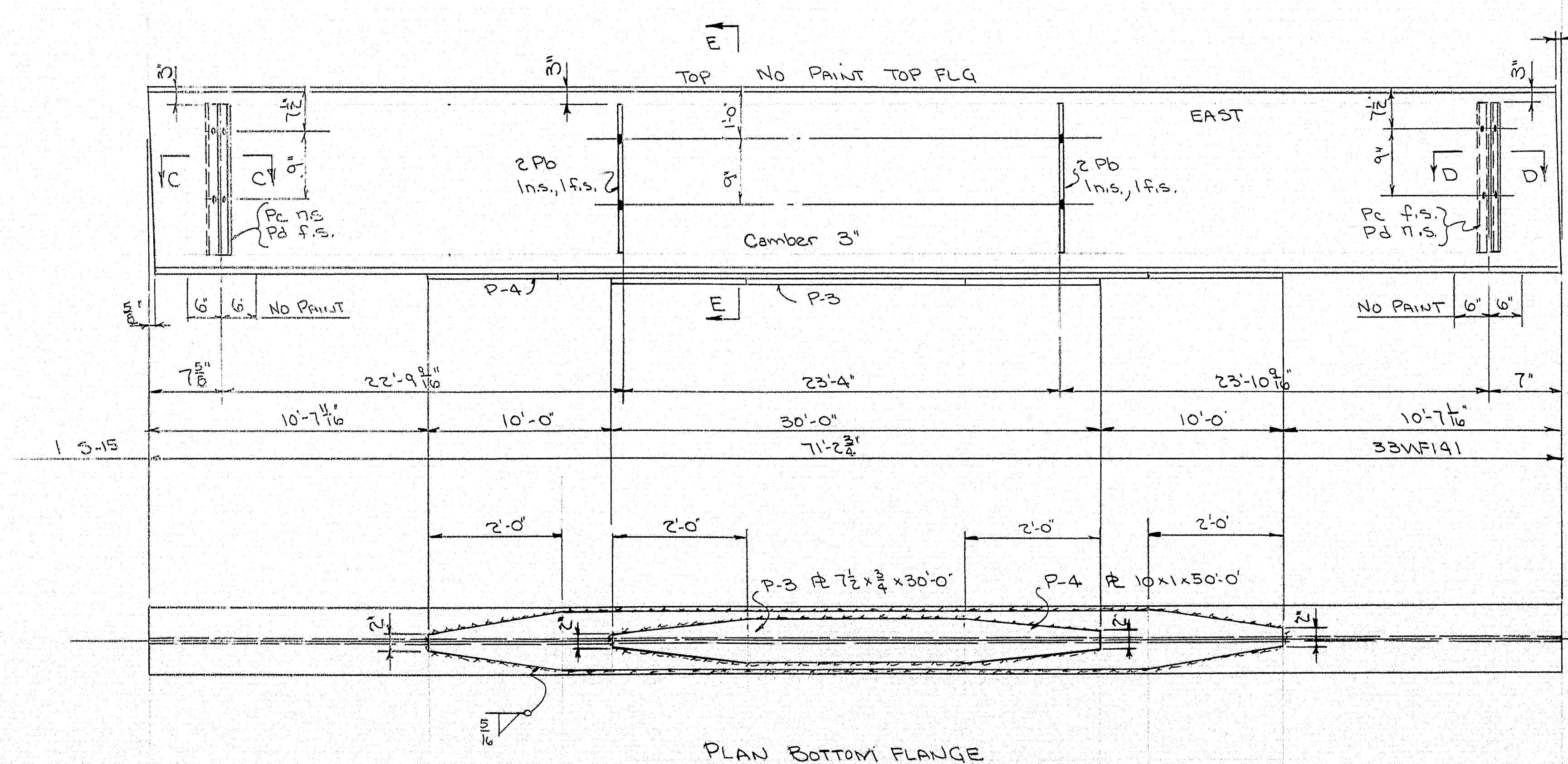
SECTION B-B



SECTION C-C



SECTION D-D



SECTION E-E

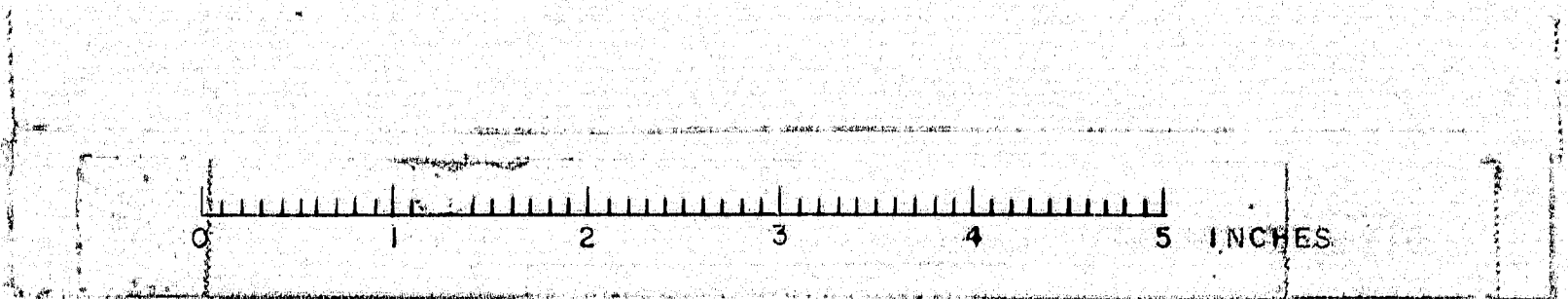
NOTE:- NO PAINT ON DIAPHRAM PLATES

SHIP		BILL OF MATERIAL					DWG. NO. 8-265 S-9
MARK	NO.	MARK	SHAPE	LENGTH	WT.	DEDUCT	REMARKS
S-16	1		33WF130	71' 2 3/4"			A373
S-15	1		33WF141	71' 2 3/4"			A373
	2	Pa	6x3/8x6	23			A-7
	4	Pb	do	23			A7
	3	Pc	do	23			A7
	3	Pd	do	23			A7
	1	P-1	2 1/2 x 10	28 0		23	A373
	1	P-2	2 1/2 x 10	48 0		48	A373
	1	P-3	2 1/2 x 10	30 0		28	A373
	1	P-4	2 1/2 x 10	50 0		54	A373
	1	Ln Ft	1/2 Weld	366'		61	

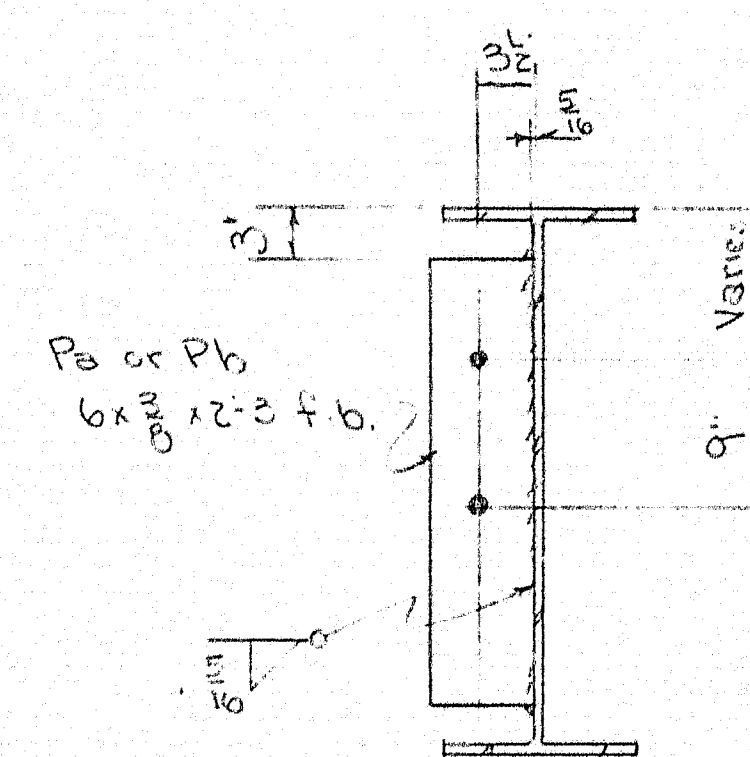
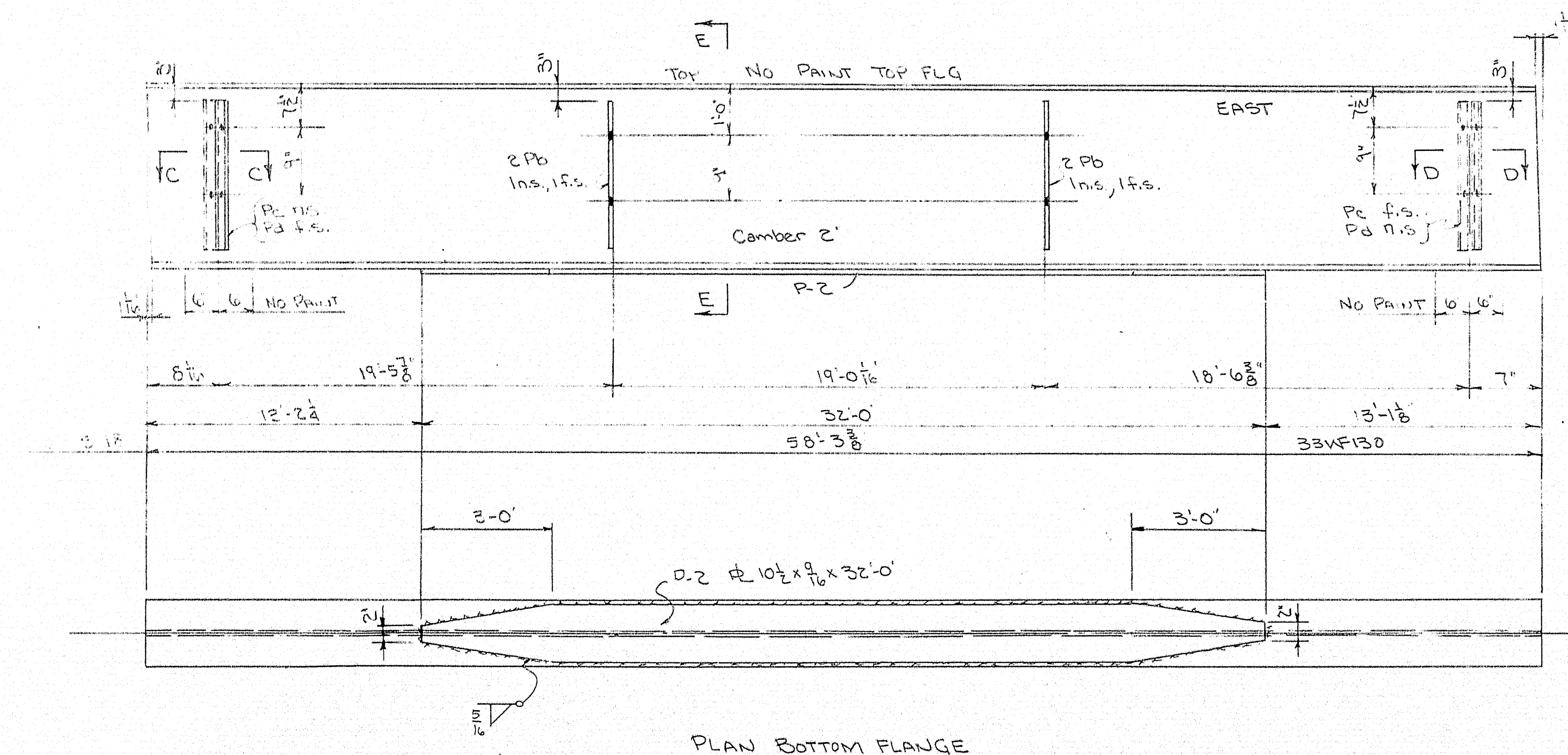
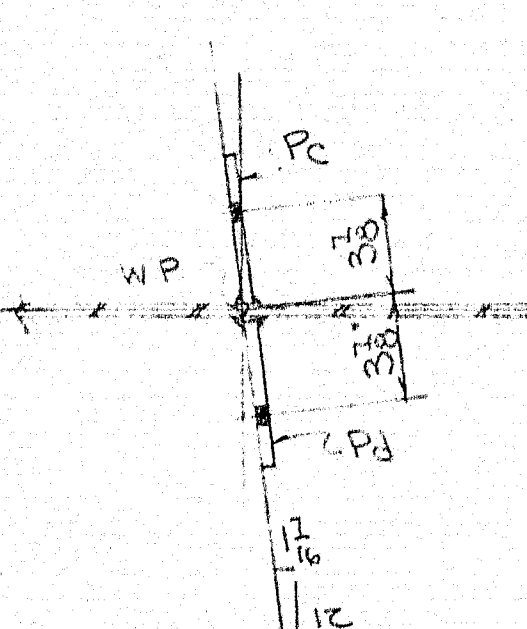
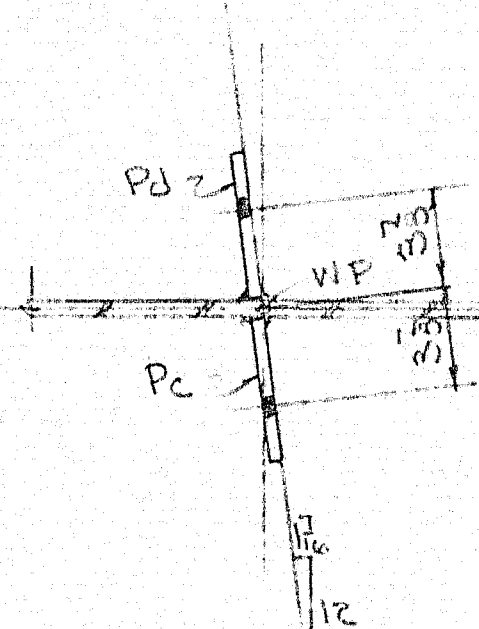
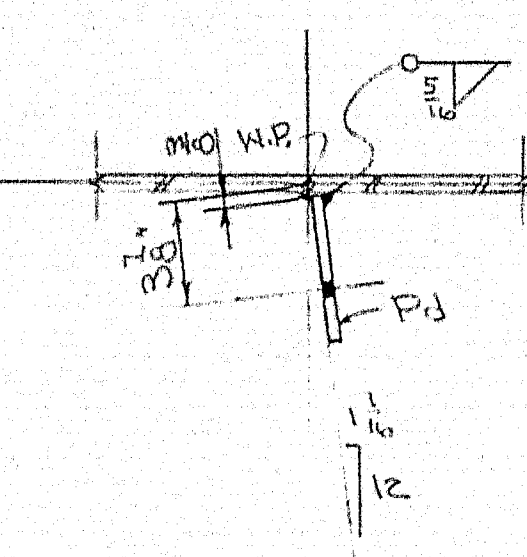
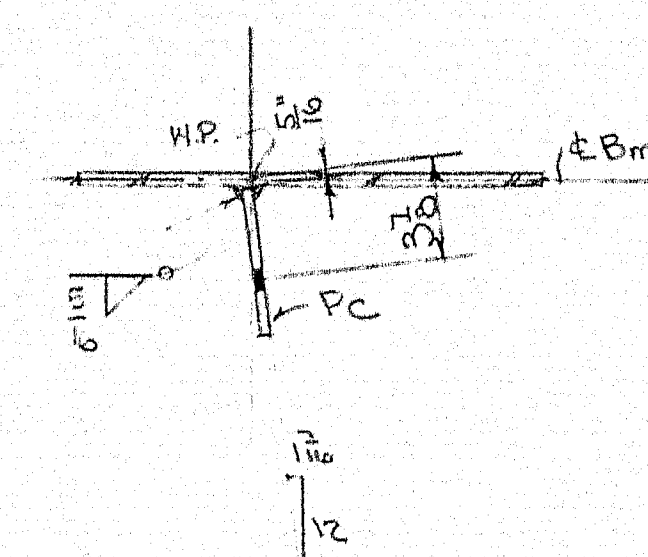
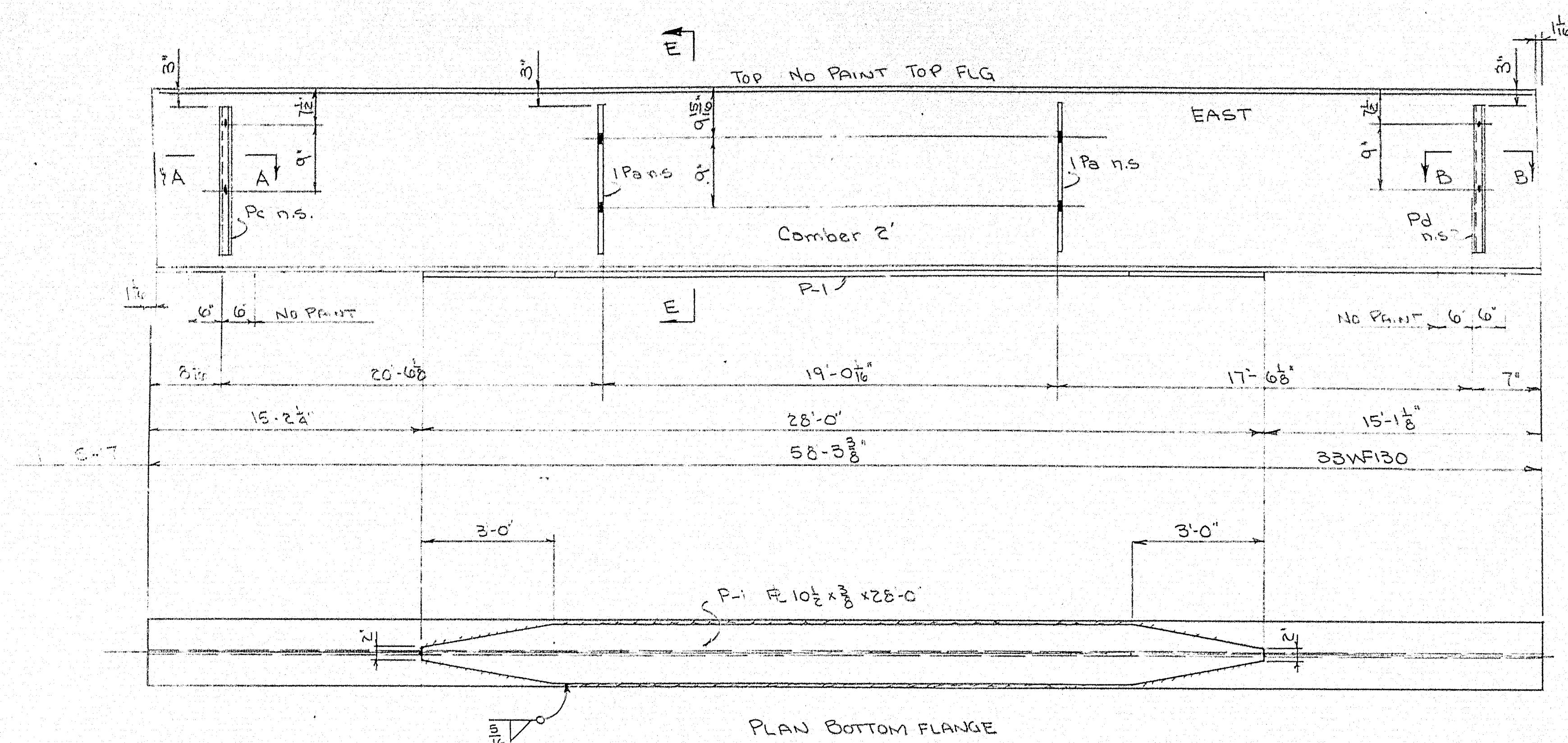
SHOP CONNECTIONS: Welded  
FIELD CONNECTIONS: Welded 1/2" x 1/4" Mach slots  
HOLES: 1/8"  
PAINT: Red lead 801 per specs

BEAM DETAILS	
Bancroft & Martin Holdings Mills Company South Portland, Maine	
TRAFTON ROAD BRIDGE WATERVILLE, MAINE	
CUSTOMER: CLANCHETTE BROS DESIGNER: MAINE STATE HWY COMM	
ORDER NO. 3116	DWG. NO. 8-265 S-9

DRAWN	8-22-58	WHM
REVISION		
REVISION		
REVISION		







NOTE:- NO PAINT ON DIAPHRAM PLATES

SHIP		BILL OF MATERIAL				DWG. NO. 8-265 SH	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS	
547	1		35x47x20	30	12	A512	
548	1		do	30	12	A512	
	2	Pa	6x8 f.b.	2	3	A7	
	4	Pb	do	2	3	A7	
	3	Pc	do	2	3	A7	
	3	Pd	do	2	3	A7	
	1	P1	2x2x8	10	20	A512	
	1	P2	2x2x8	10	20	A512	
	1		2x2x8	15	20	A512	

SHOP CONNECTIONS: WOOD STUDS  
FIELD CONNECTIONS: 2x6 @ 16" O.C.  
HOLES: 1/2"  
PAINT: WHITE

BEAM DETAILS

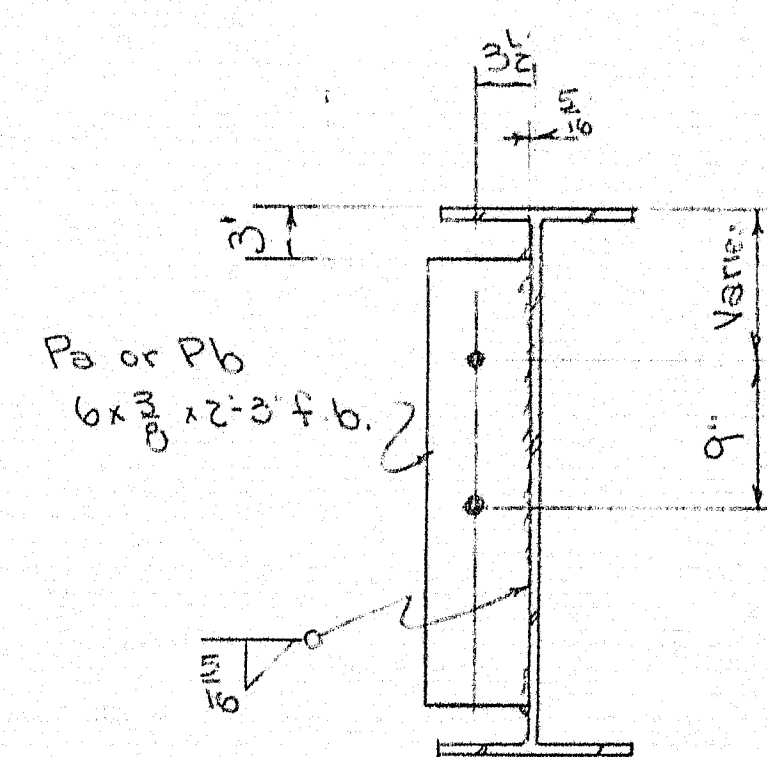
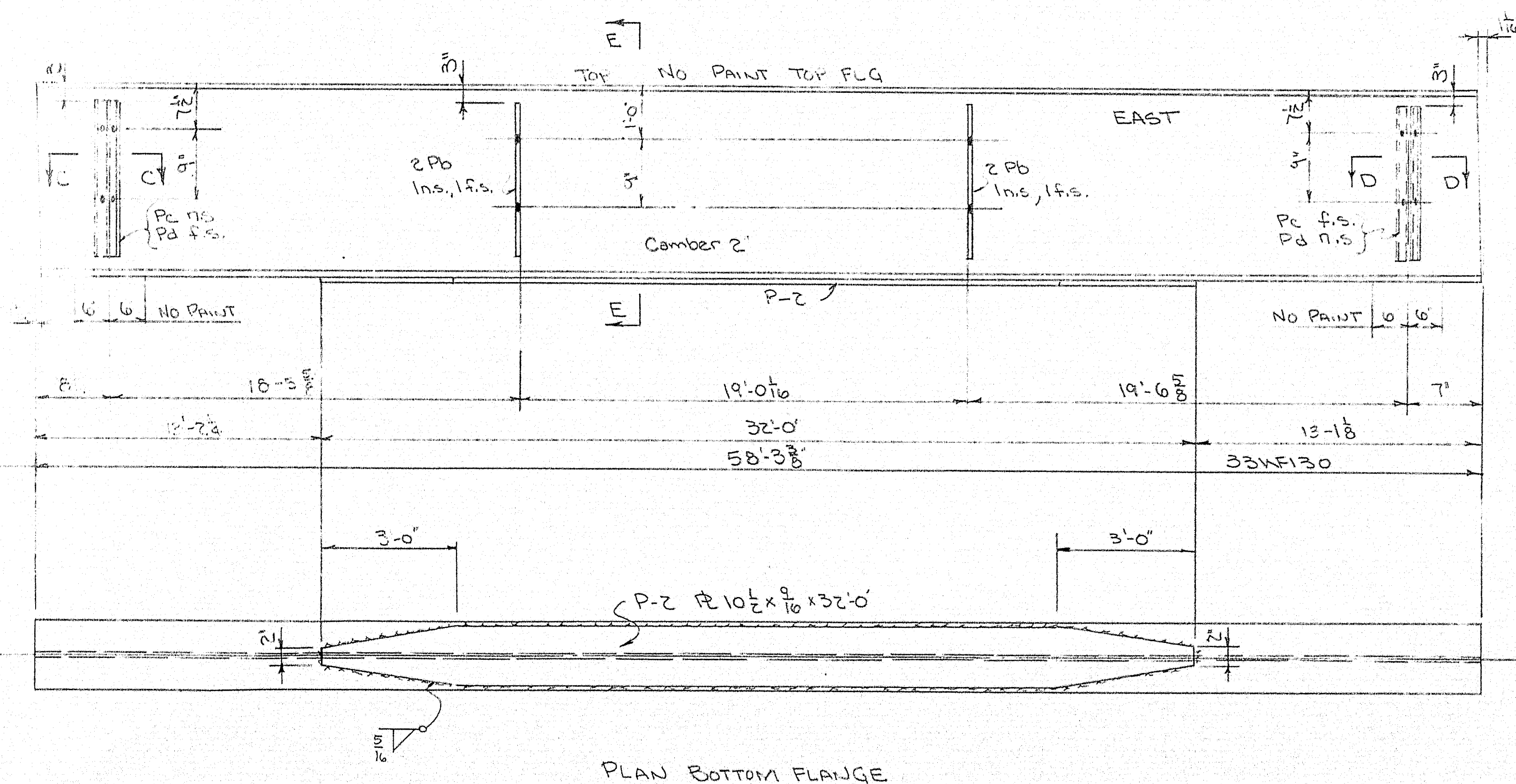
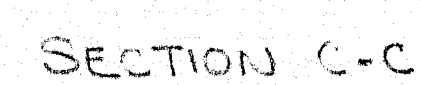
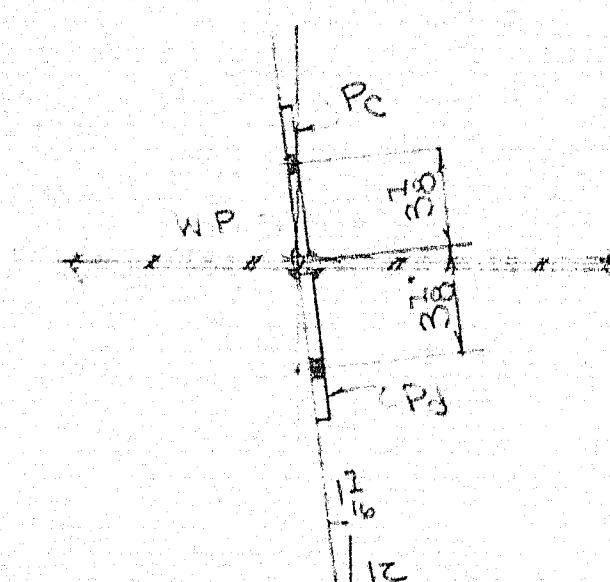
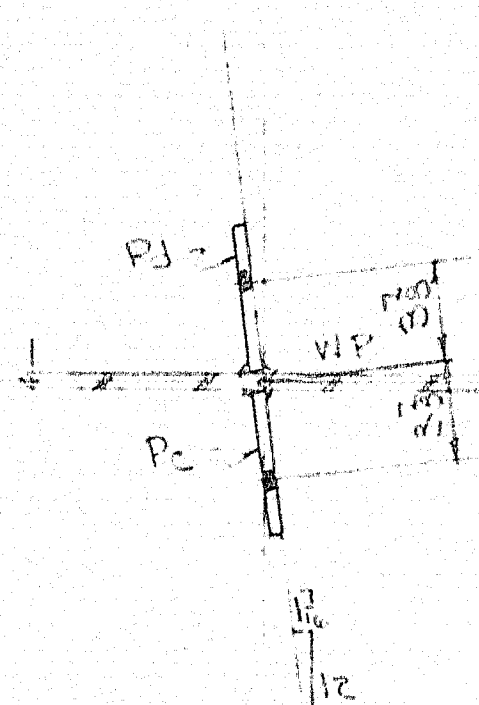
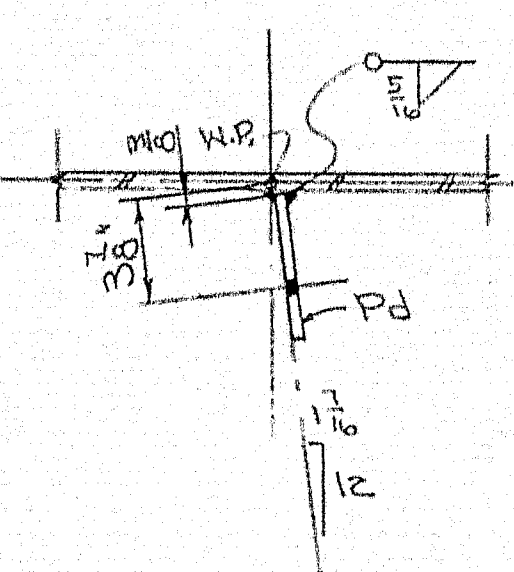
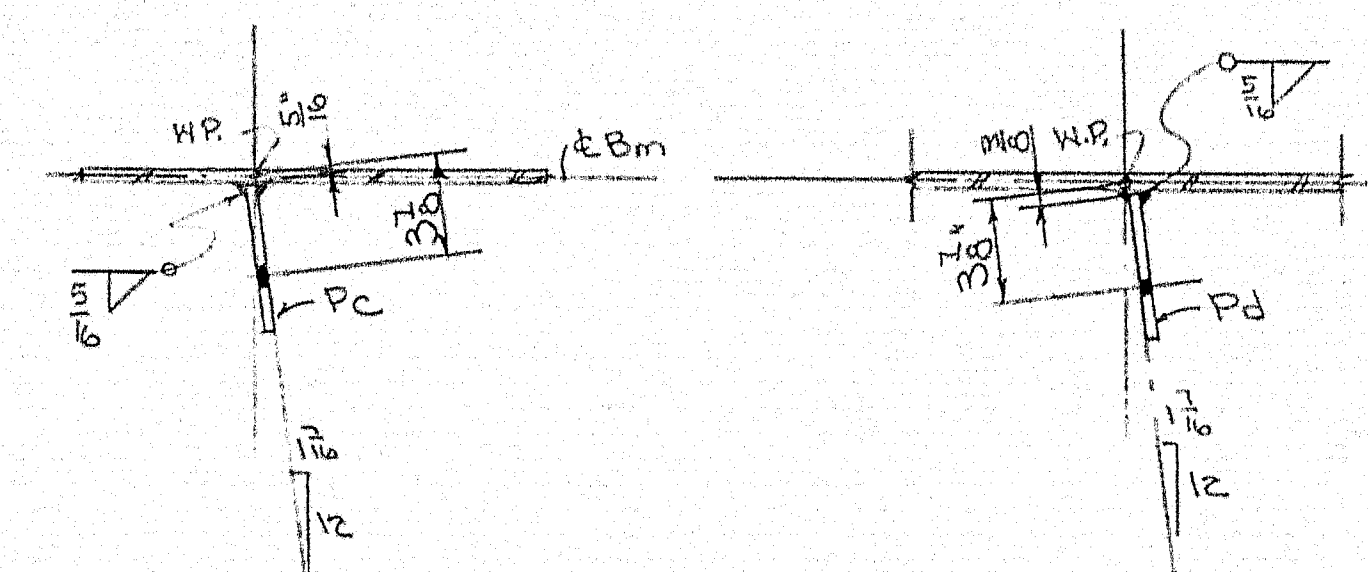
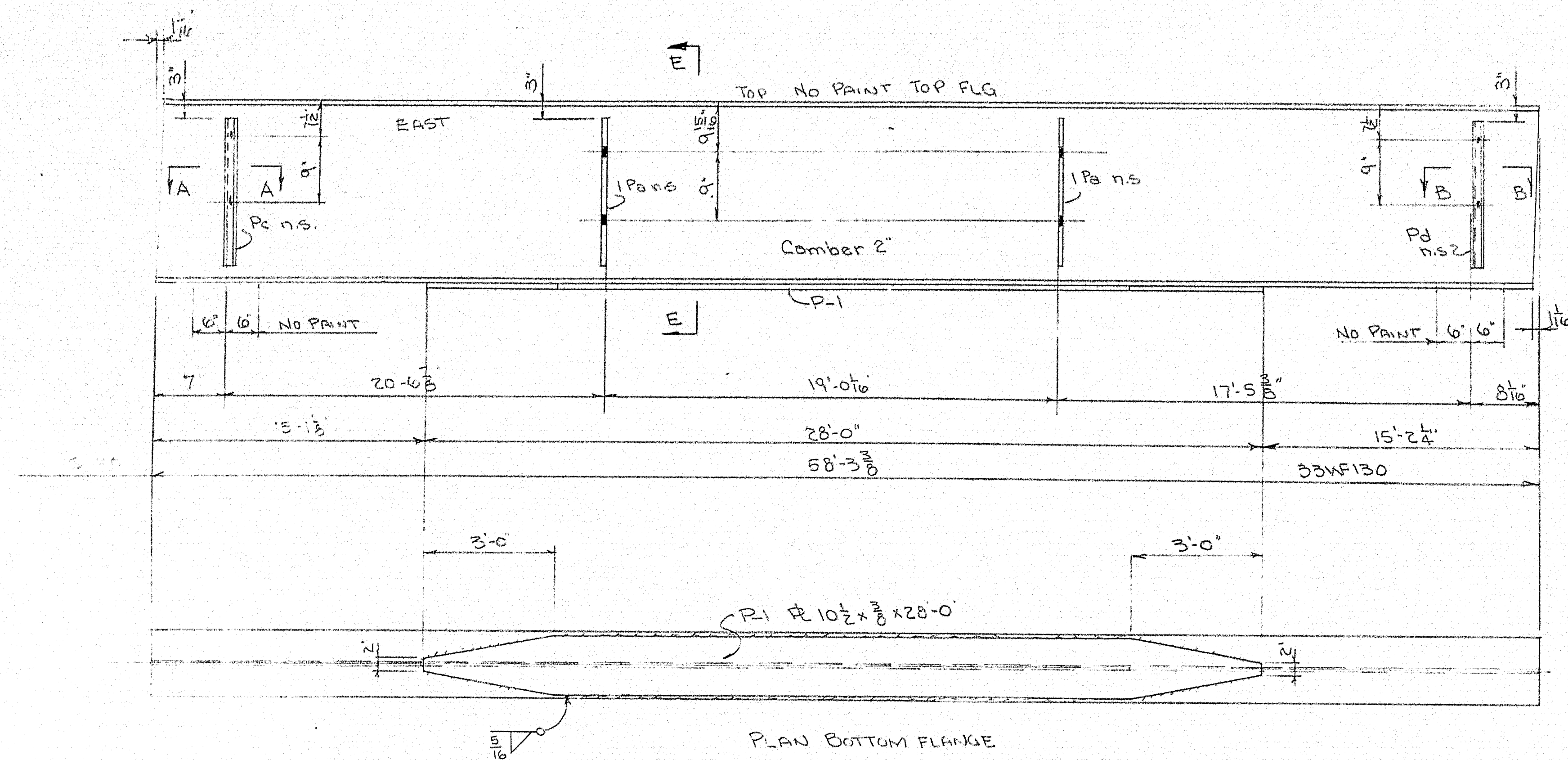
Bancroft & Martin Rolling Mills Company  
South Portland, Maine

TRAFTON ROAD BRIDGE  
VINTREVILLE, MAINE

CUSTOMER CIANCHETTE BRIDGE  
DESIGNER MAINE STATE HWY C

ORDER NO. <u>3716</u>	DWG. NO. <u>8-265 S-10</u>
-----------------------	----------------------------





SECTION E-E

NOTE:- NO PAINT ON DIAPHRAGM PLATES

SHIP		BILL OF MATERIAL				DWG. NO. 8-265 S-1	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS	
5-20	1		3" x 1/2"	53	3.3	10	
5-19	1		30	53	3.3	10	
	2	Pa	6 x 3/8 x 6	2	3		
	4	Pb	do	2	3		
	3	Pc	do	2	3		
	3	Pd	do	2	3		
	1	Pf	1/2 x 3/8 x 3	10	5	30	
	1	Pg	2 x 1/2 x 10	20	5	30	
	1		3/4" x 1/2" x 10	10	5	30	

SHOP CONNECTIONS: 1/8" x 1/4" x 1/2"

FIELD CONNECTIONS: 1/8" x 1/4" x 1/2"

HOLES: 1/8"

PAINT: 1/8" x 1/4" x 1/2"

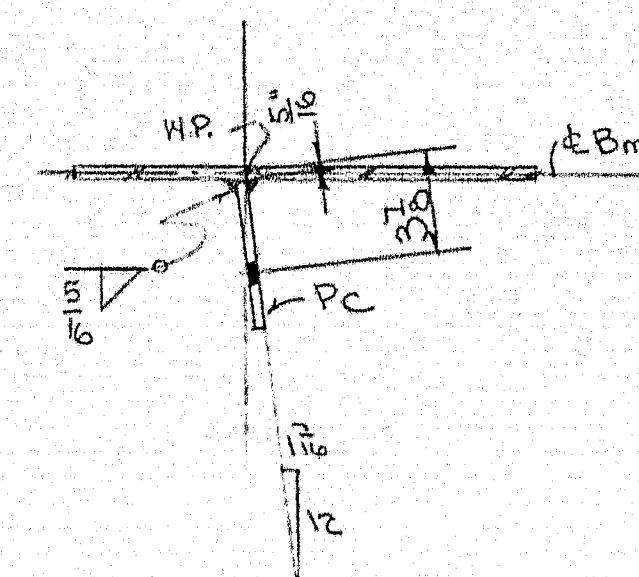
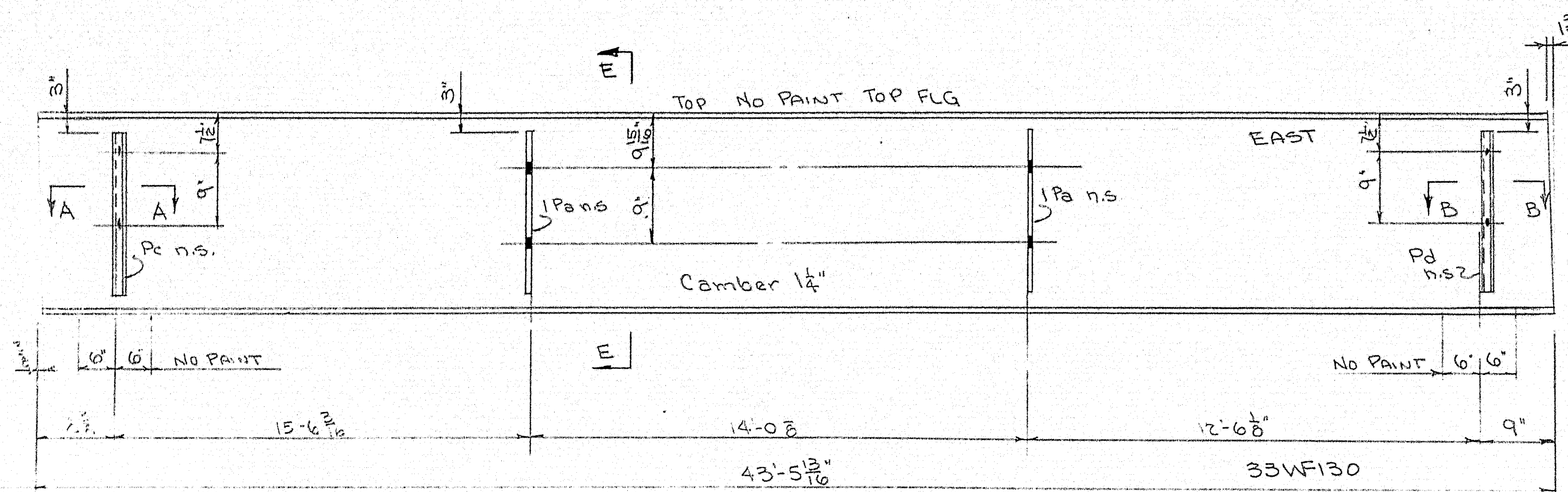
Barcroft & Martin-Rolling Mills Company  
Lewistown, Portland, Maine

TRAFFIC ROAD BRIDGE  
VINTAGEVILLE, MAINE

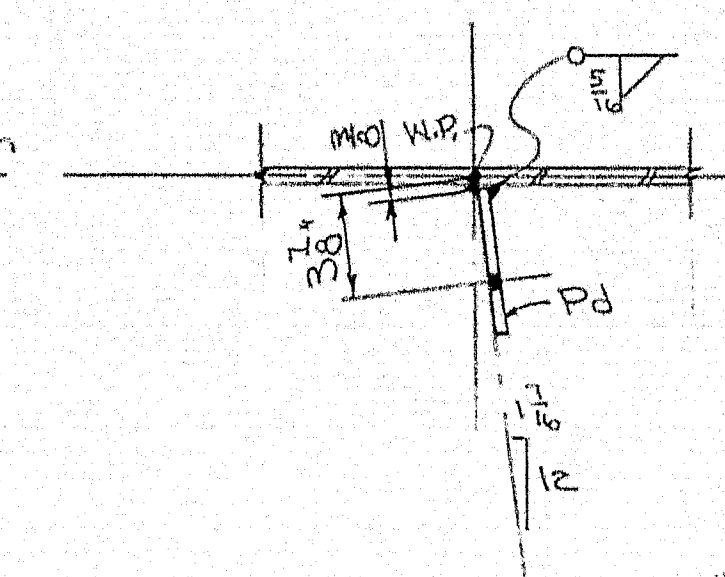
CUSTOMER CLANCHETTE BROS  
DESIGNER MAINE STATE HWY COM

ORDER NO. <u>2716</u>	DWG. NO. <u>8-265 S-1</u>
-----------------------	---------------------------

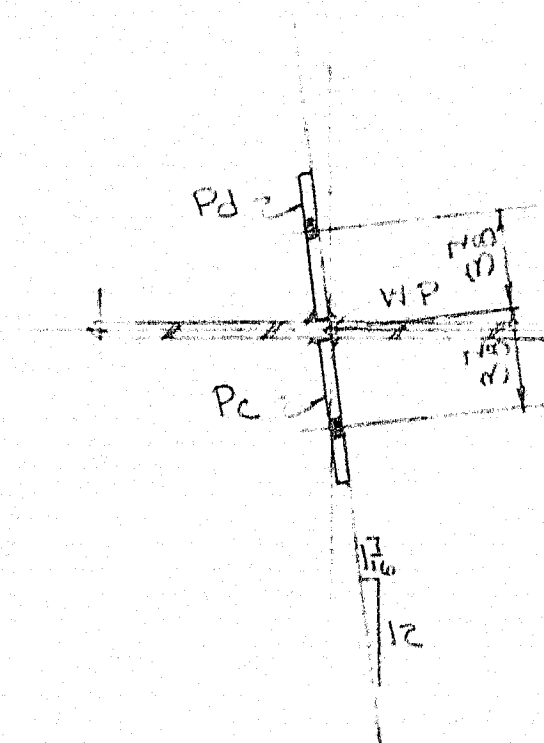




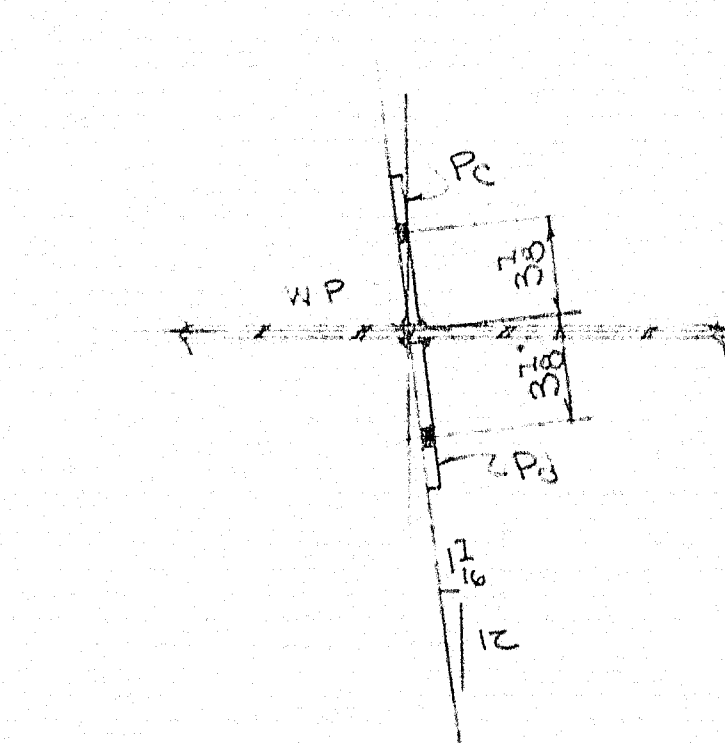
SECTION A-A



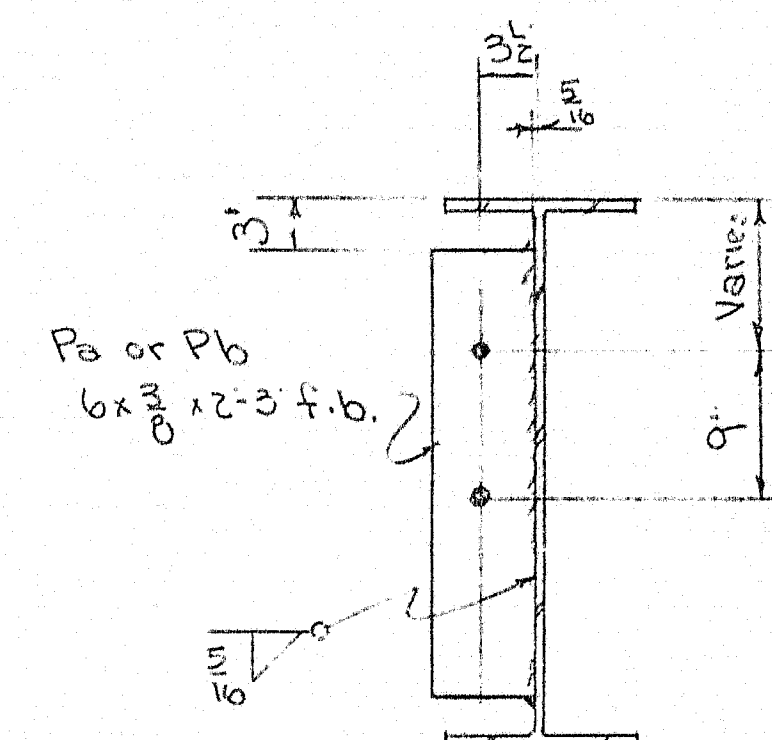
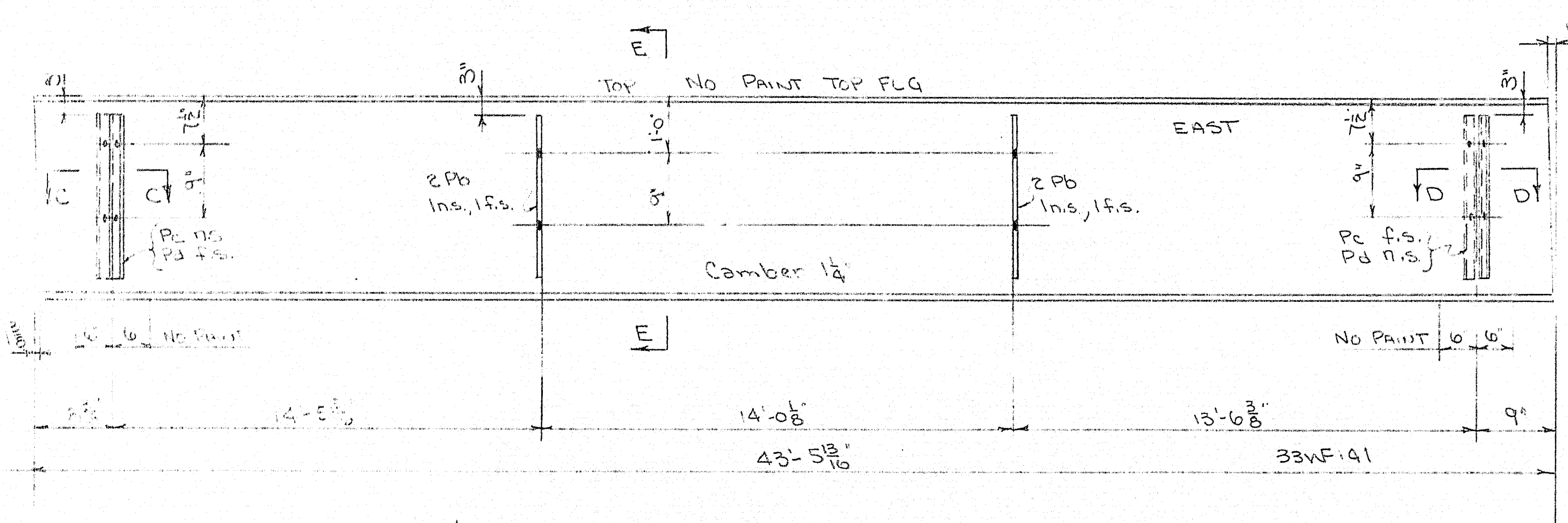
SECTION B-B



SECTION C-C



SECTION D-D



SECTION E-E

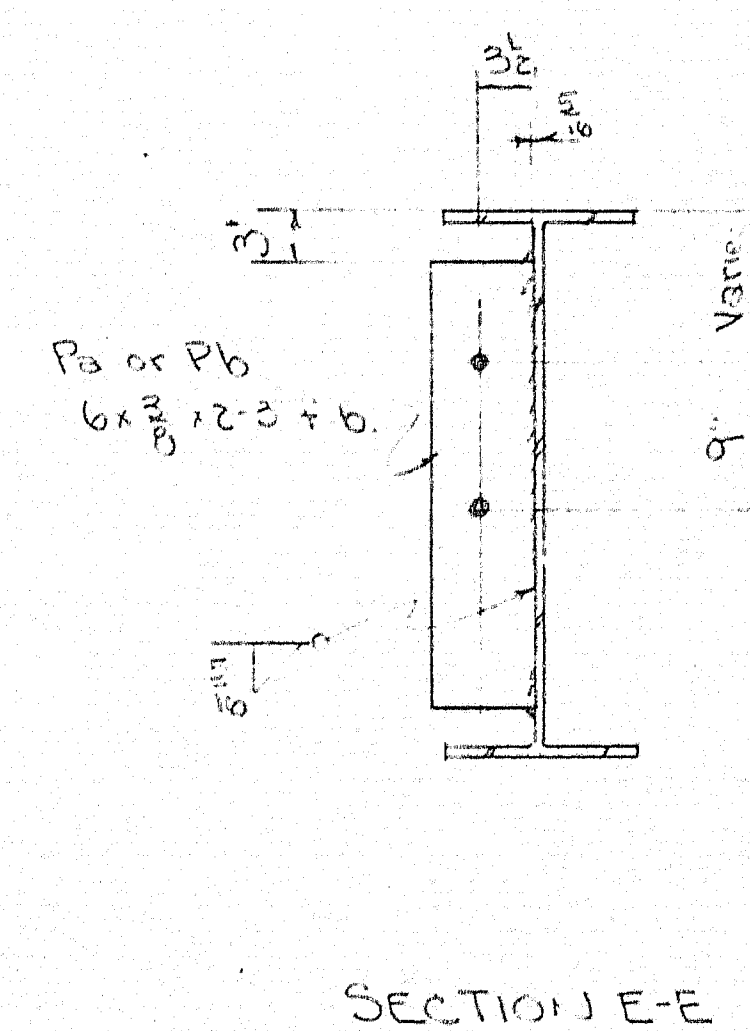
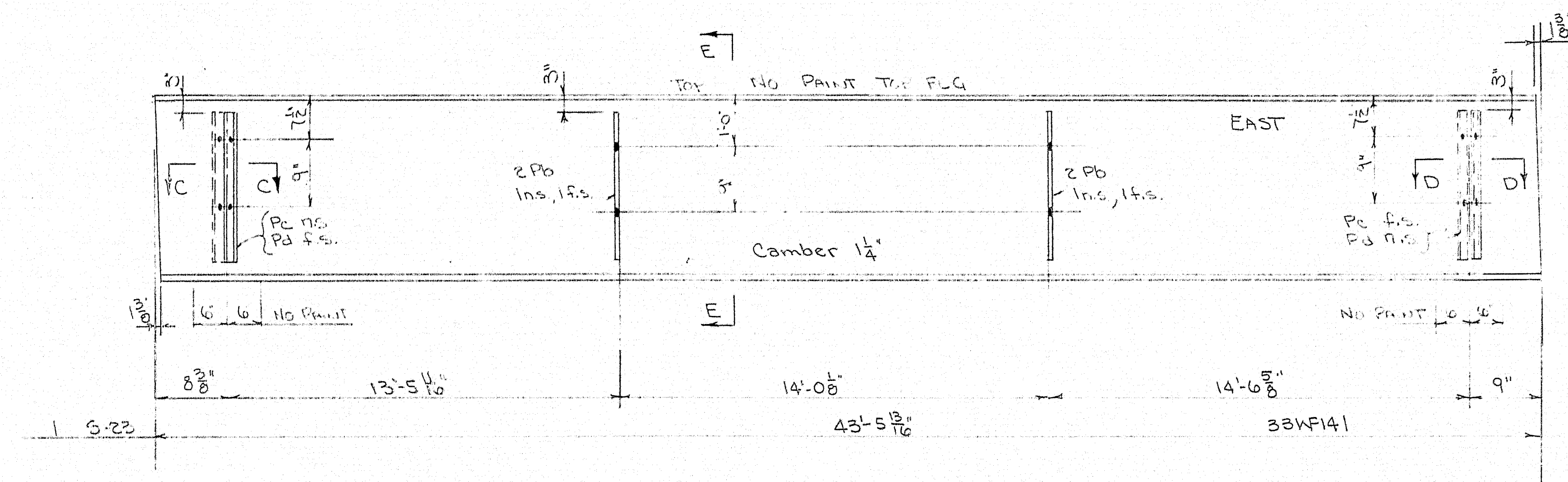
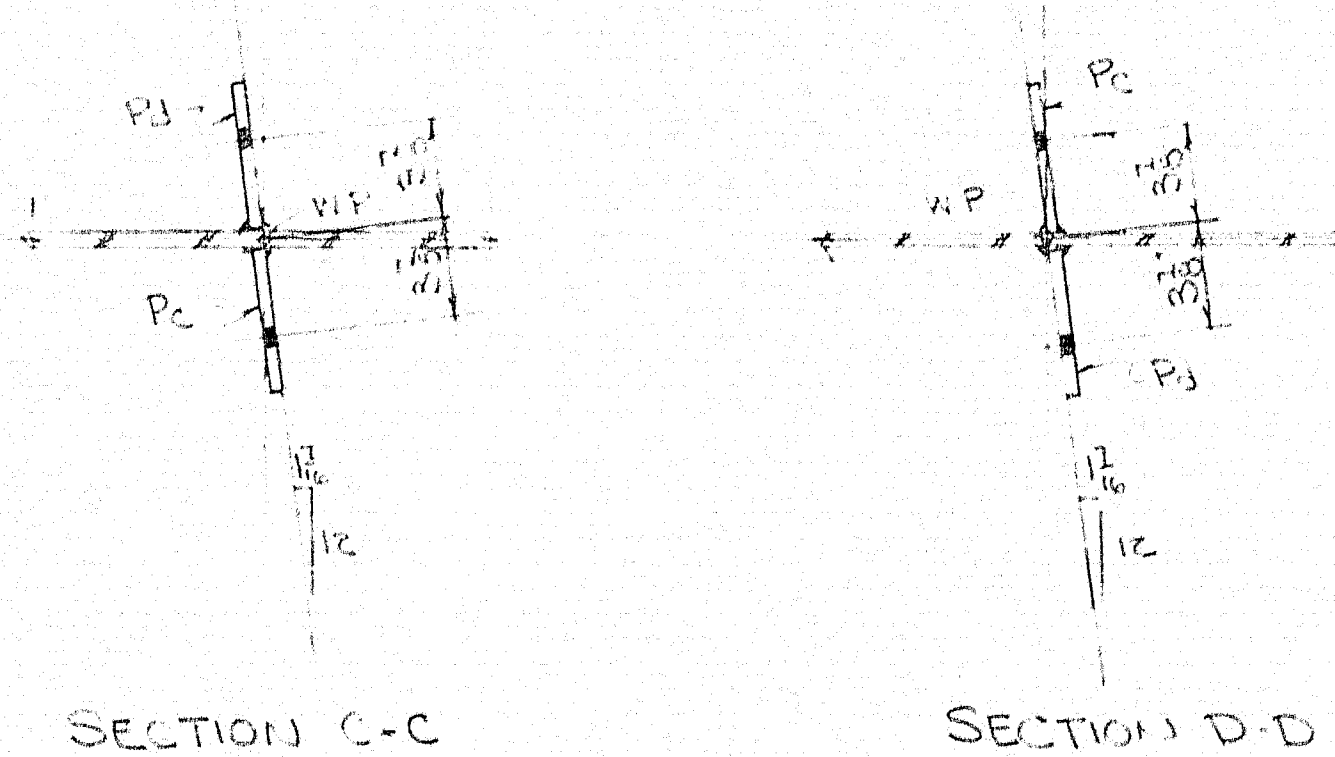
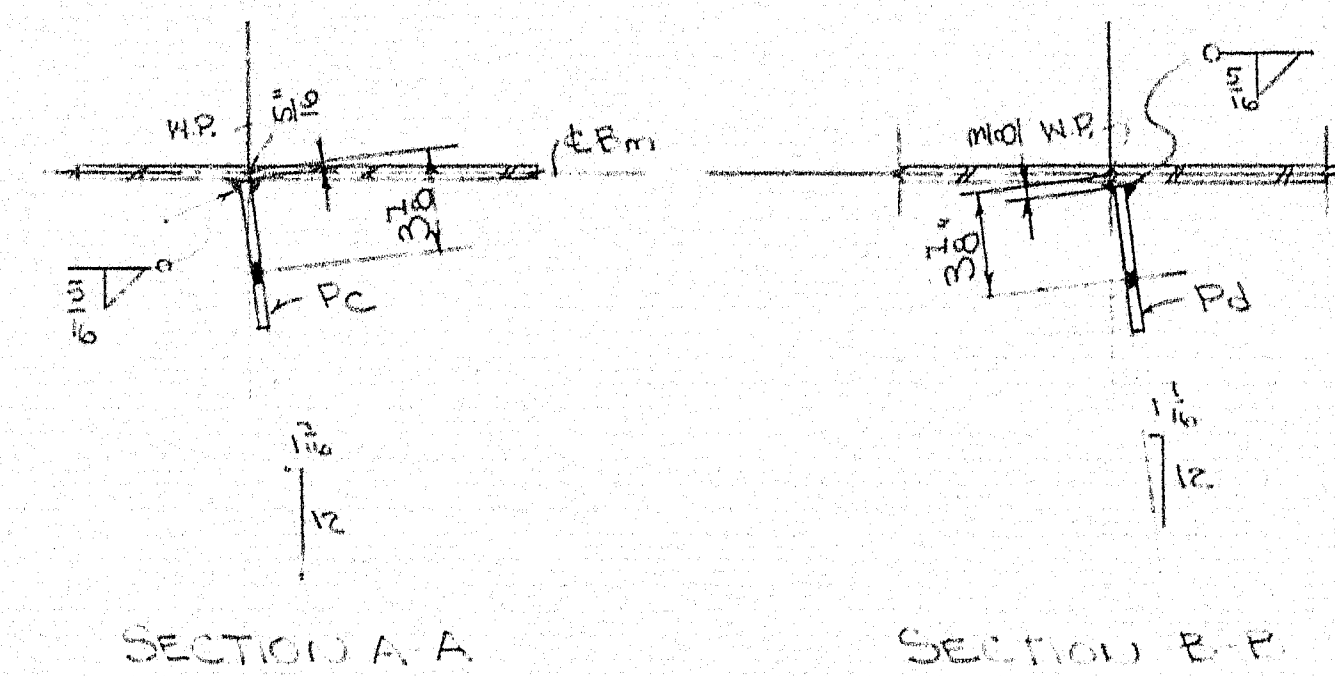
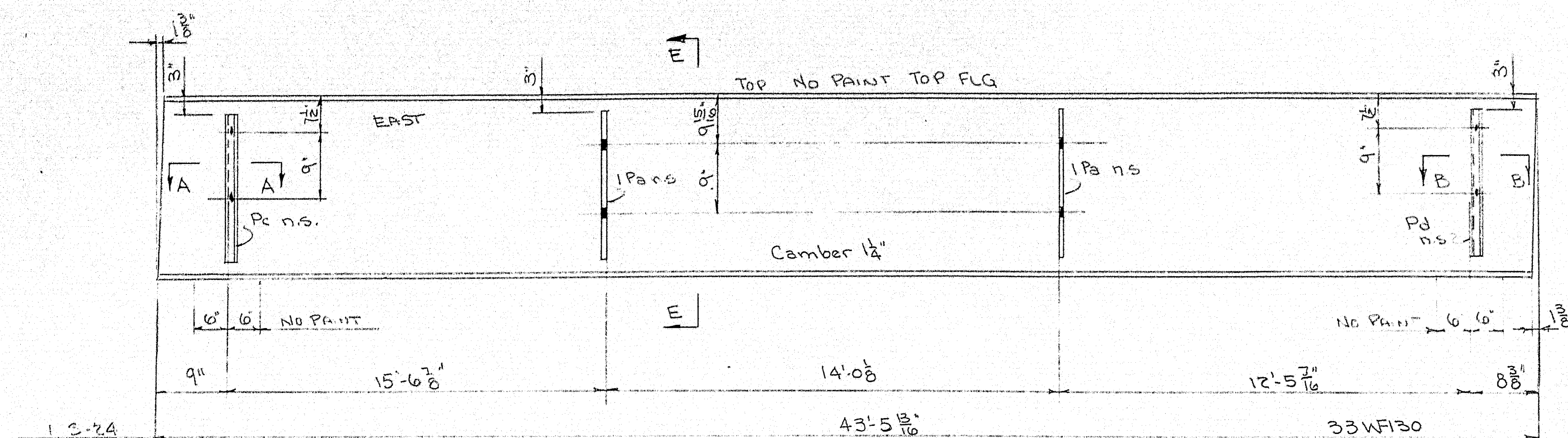
NOTE:- NO PAINT ON DIAPHRAGM PLATES

SHIP		BILL OF MATERIAL				DWG. NO.	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS	
S-21	1		33WF130	13'-5 1/2"		13	
D-22	1		33WF141	13'-5 1/2"		14	
	2	Pa	6x8 f.b.	2'-3"			
	4	Pd	do	2'-3"			
	3	Pc	do	2'-3"			
	3	Pd	do	2'-3"			
	1		1/2" fillet weld	34'			

SHOP CONNECTIONS: VARIOUS  
FIELD CONNECTIONS: VARIOUS  
HOLES: 1/2"  
PAINT: VARIOUS

DRAWING DETAILS	
Bancroft & Martin Rolling Mills Company South Portland 7, Maine	
TRAFALGAR ROAD BRIDGE YATESVILLE, MAINE	
CUSTOMER	CLIANCHETTE BAINS
DESIGNER	MAINE STATE HIGH COM. 1
ORDER NO.	3716
DWG. NO.	5-2655-1





NOTE: - NO PAINT ON DIAPHRAM PLATES

SHIP		BILL OF MATERIAL					DWG. NO. 8-265 S-13	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	DEDUCT	REMARKS	
S-24	1		33WF130	43	53 1/16		15	
S-25	1		33WF141	43	58 1/16		16	
	2	Pa	6 x 3/8 F.B.	2	3			
	4	Pb	do	2	3			
	3	Pc	do	2	3			
	3	Pd	do	2	3			
	1		1/8" Fillet weld	34	0			ALL 1/8"

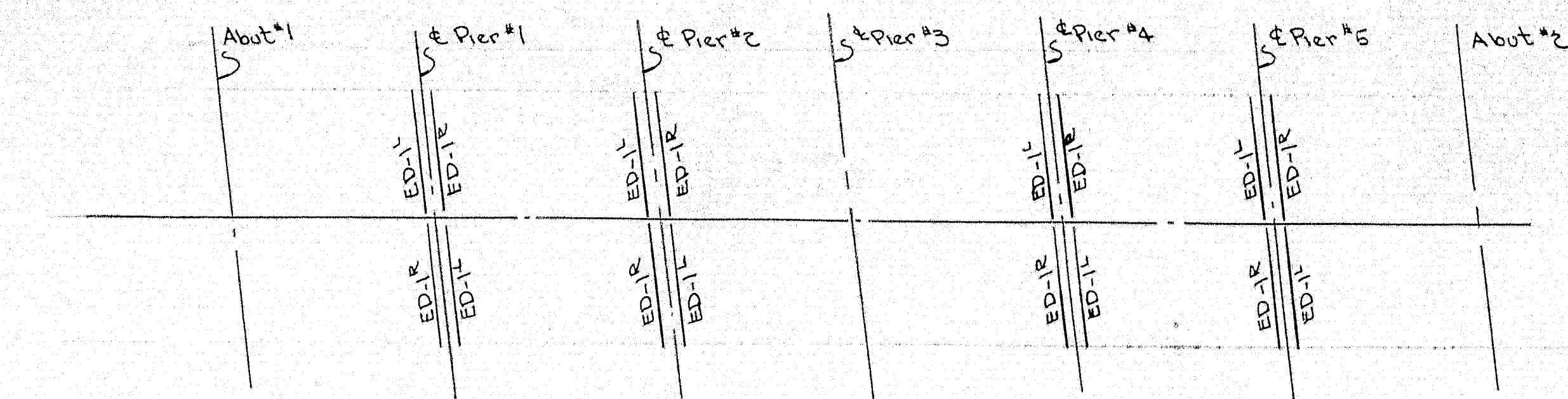
SHOP CONNECTIONS: VARIOUS  
FIELD CONNECTIONS: VARIOUS  
HOLES: 1/8"  
PAINT: VARIOUS

BEAM DETAILS	
Bancroft & Martin Rolling Mills Company South Portland 7, Maine	
TRAFFIC ROAD BRIDGE VINTERSVILLE, MAINE	
CUSTOMER: CLANCHETTE BROS.	
DESIGNER: MAINE STATE HIGH COM.	
ORDER NO. 3716	DWG. NO. 8-265 S-13

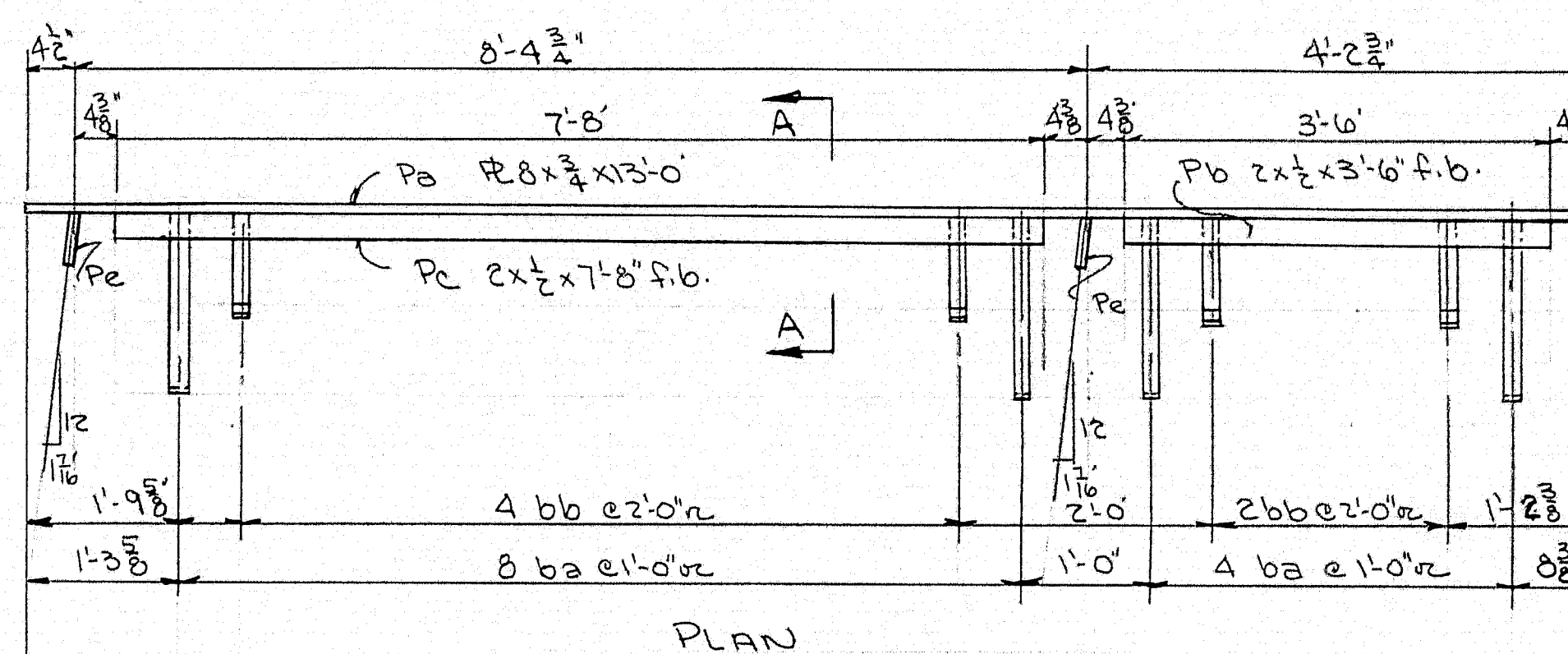
DRAWN	B-22-58	WAM
REVISION		
REVISION		
REVISION		



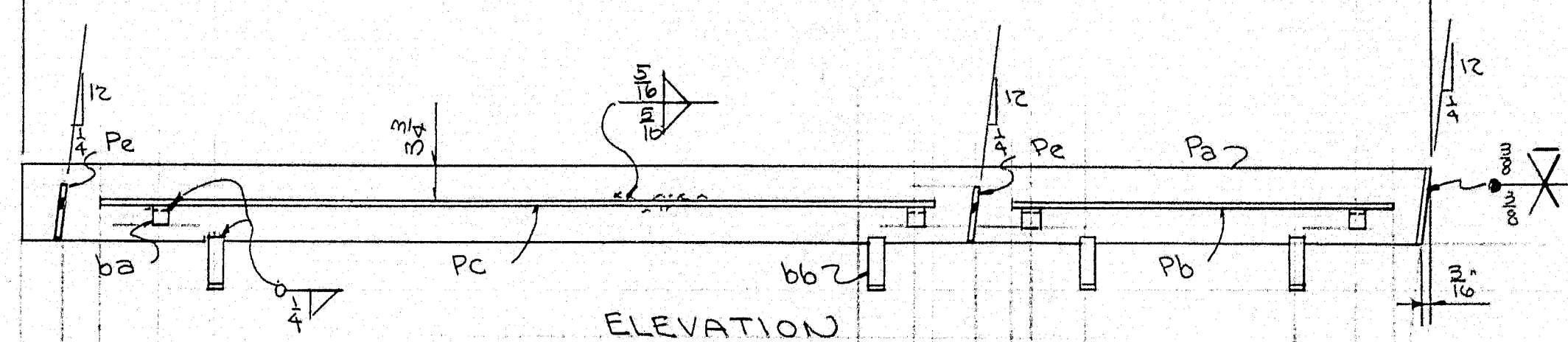
DRAIN 16 Req'd



### EXPANSION DAM LOCATION

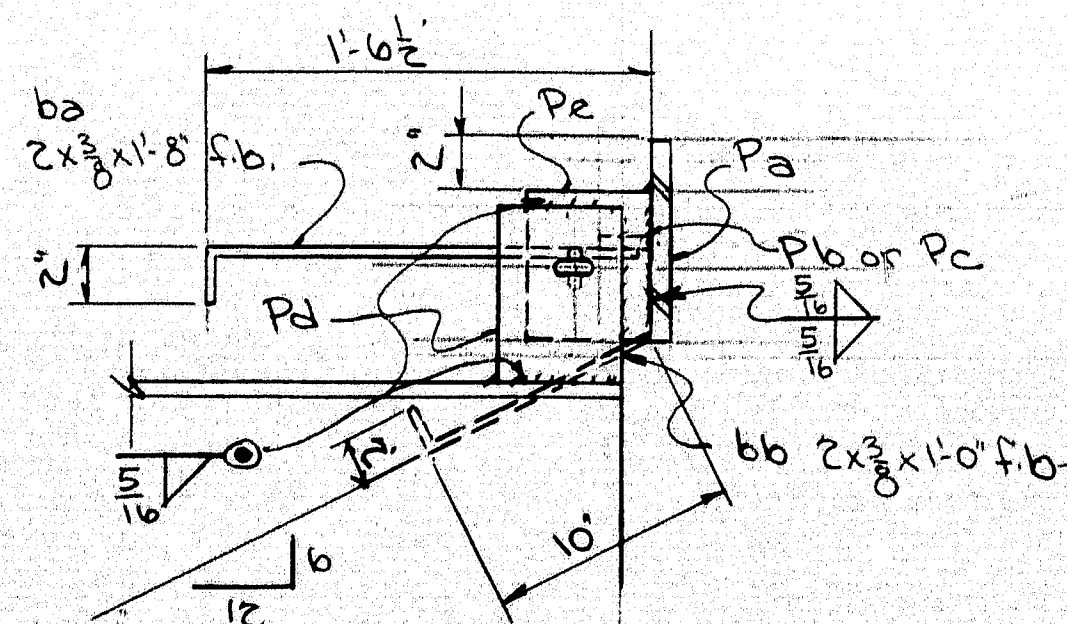


## PLAN

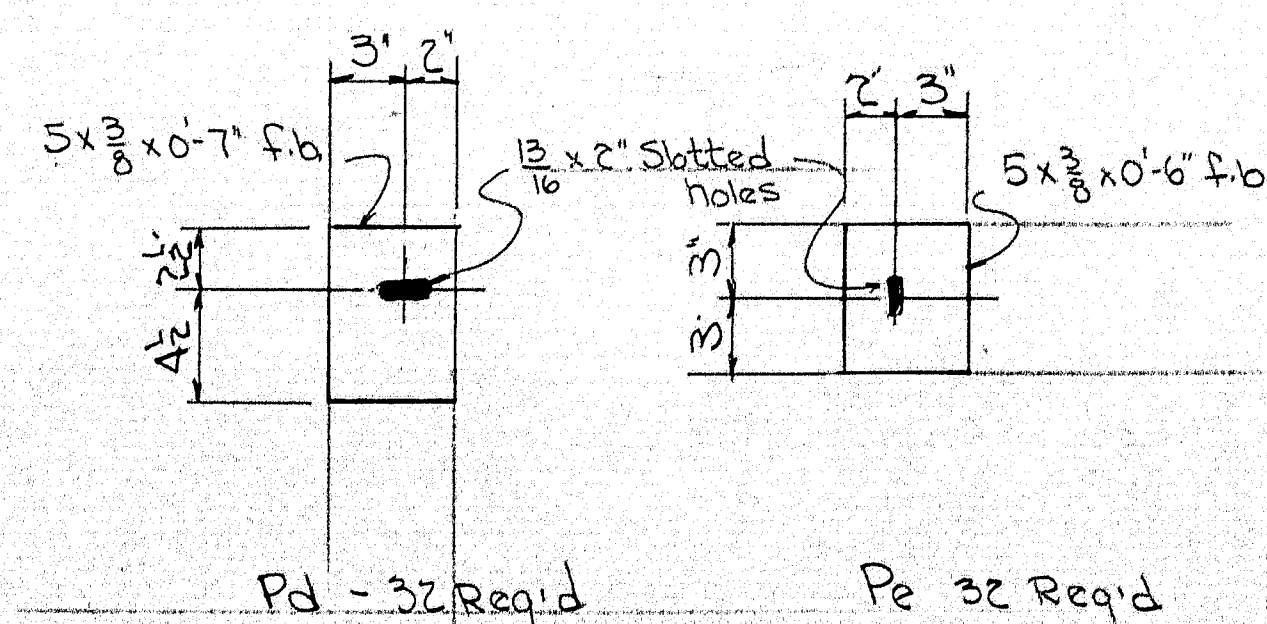


### ELEVATION

ED-1<sup>L</sup> & ED-1<sup>R</sup>  
ED-1<sup>L</sup> 8 Req'd As Shown  
ED-1<sup>R</sup> 8 Req'd Opp hand



SECTION A-A



Pd - 32 Req'd

Pe 32 Req'd

SHIP		BILL OF MATERIAL				DWG. NO. 8-205-511	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	DEDUCT	REMARKS
D-1	12		15C 33.9	8	$0\frac{5}{16}$	11	
D-2	12		do	8	0		
D-3	12		do	8	$0\frac{5}{16}$	11	
D-4	12		do	8	0		
D-5	12		do	8	0		
D-6	12		do	8	0		
DRAIN	16		ASSEMBLY				
	16		6" STD W/PIPE	0	$10\frac{9}{16}$	68	
	16		do	3	$2\frac{13}{16}$	20	
	32	L-1	$\frac{3}{4}$ " rod	0	$1\frac{1}{2}$		
P <sub>1</sub>	16		$2 \times \frac{3}{8}$ f.b.	0	5		
P <sub>2</sub>	16		$3 \times \frac{3}{8}$ f.b.	0	4		
ED-1"	8		ASSEMBLY				
ED-1"	8		ASSEMBLY				
	16	Pa	$8 \times \frac{3}{4}$ f.b.	13	0		
	16	Pb	$2 \times \frac{1}{2}$ f.b.	3	6		
	16	Pc	do	1	8		
	32	Pe	$5 \times \frac{3}{8}$ f.b.	0	6		
	192	ba	$2 \times \frac{3}{8}$ f.b.	1	8		
	96	bb	do	1	0		
Pd	32		$5 \times \frac{3}{8}$ f.b.	0	7		
Field	32		$\frac{3}{4}$ " 4 MACH BOLTS	0	$1\frac{3}{4}$		
	1		$\frac{5}{16}$ " FILLET WELD	339	0		.106%
	1		$\frac{1}{4}$ " FILLET WELD	150	0		.105%
FIELD	300		$\frac{3}{4}$ " 4 MACH BOLTS	0	$1\frac{3}{4}$	0	

SHOP CONNECTIONS: Welded  
FIELD CONNECTIONS: Welded & bolted  
HOLES:  $\frac{3}{16}$ " except as noted  
PAINT: Red lead and oil per specs.

DIAPHRAM, DRAINS, & EXPANSION TRUCKS  
Bancroft & Martin Rollings Mills Company  
South Portland, Maine

TRAFTON ROAD BRIDGE  
WATERVILLE, MAINE

CUSTOMER CIANCHETTE BROS  
DESIGNER ME. STATE HINNY COMM

ORDER NO. 3716

DWG. NO. 8-265 S-14.

DRAWN	9-8-58	W H M
REVISION	9-19-58	W H M
REVISION		
REVISION		

