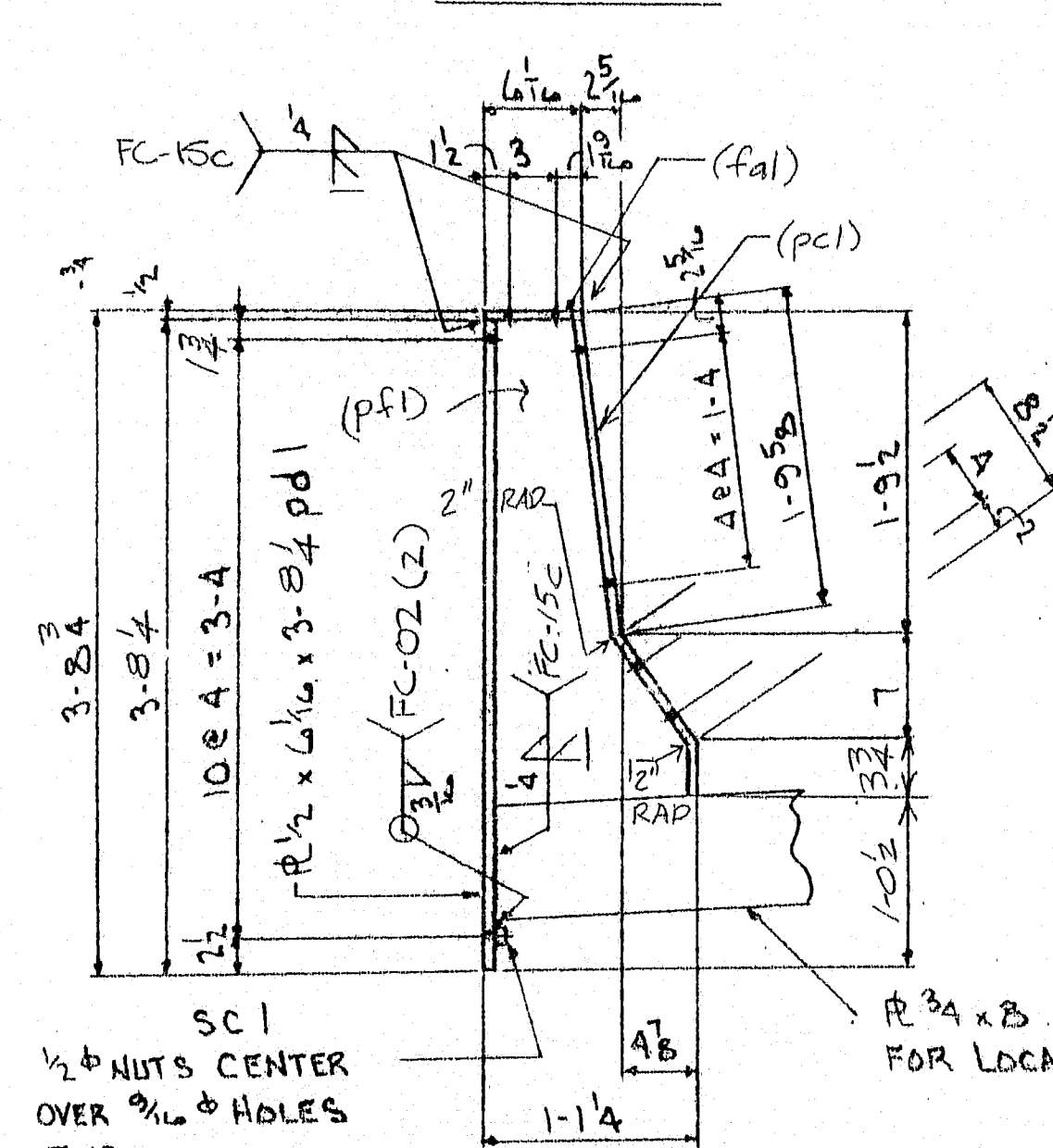
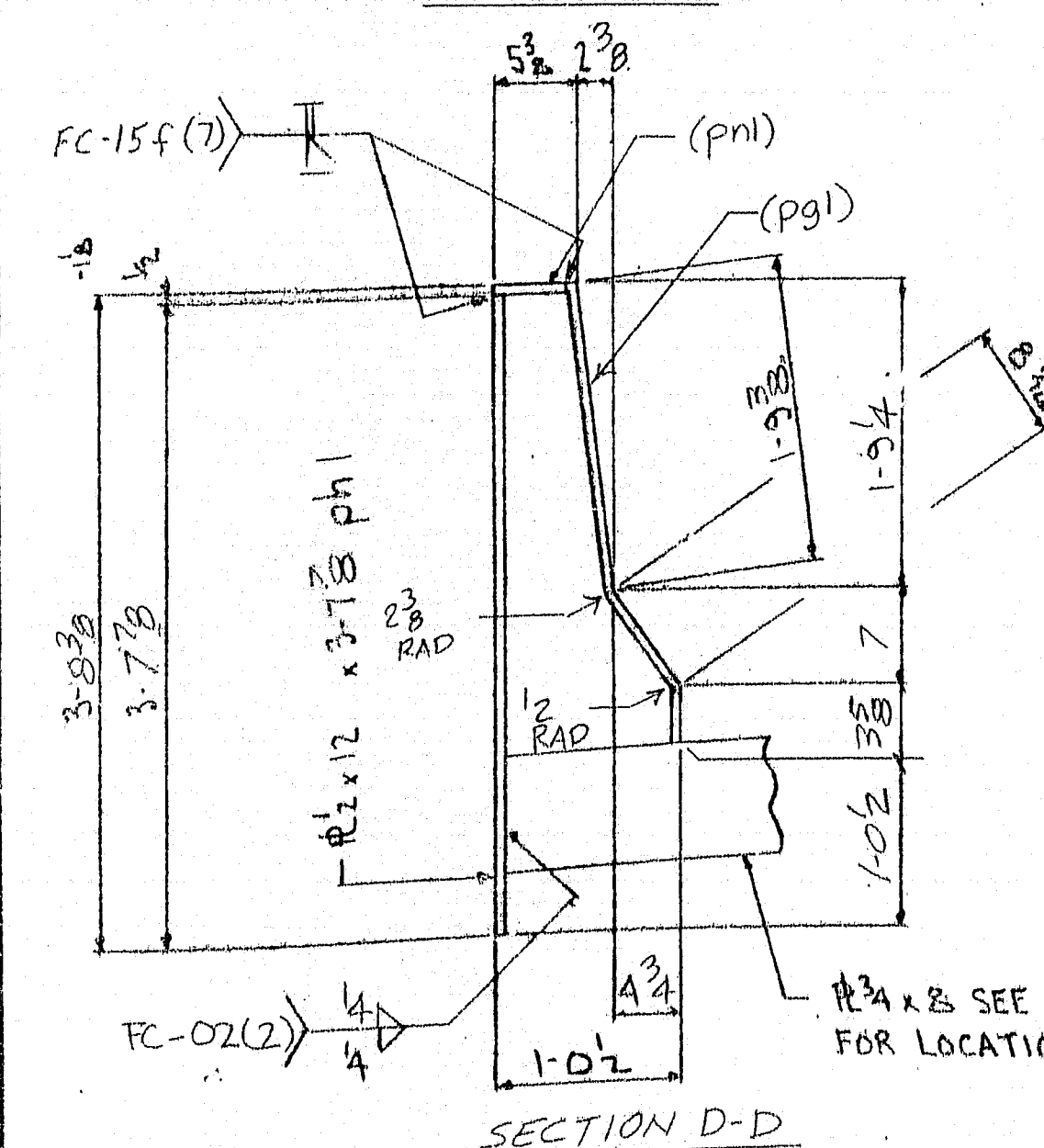


SECTION AA

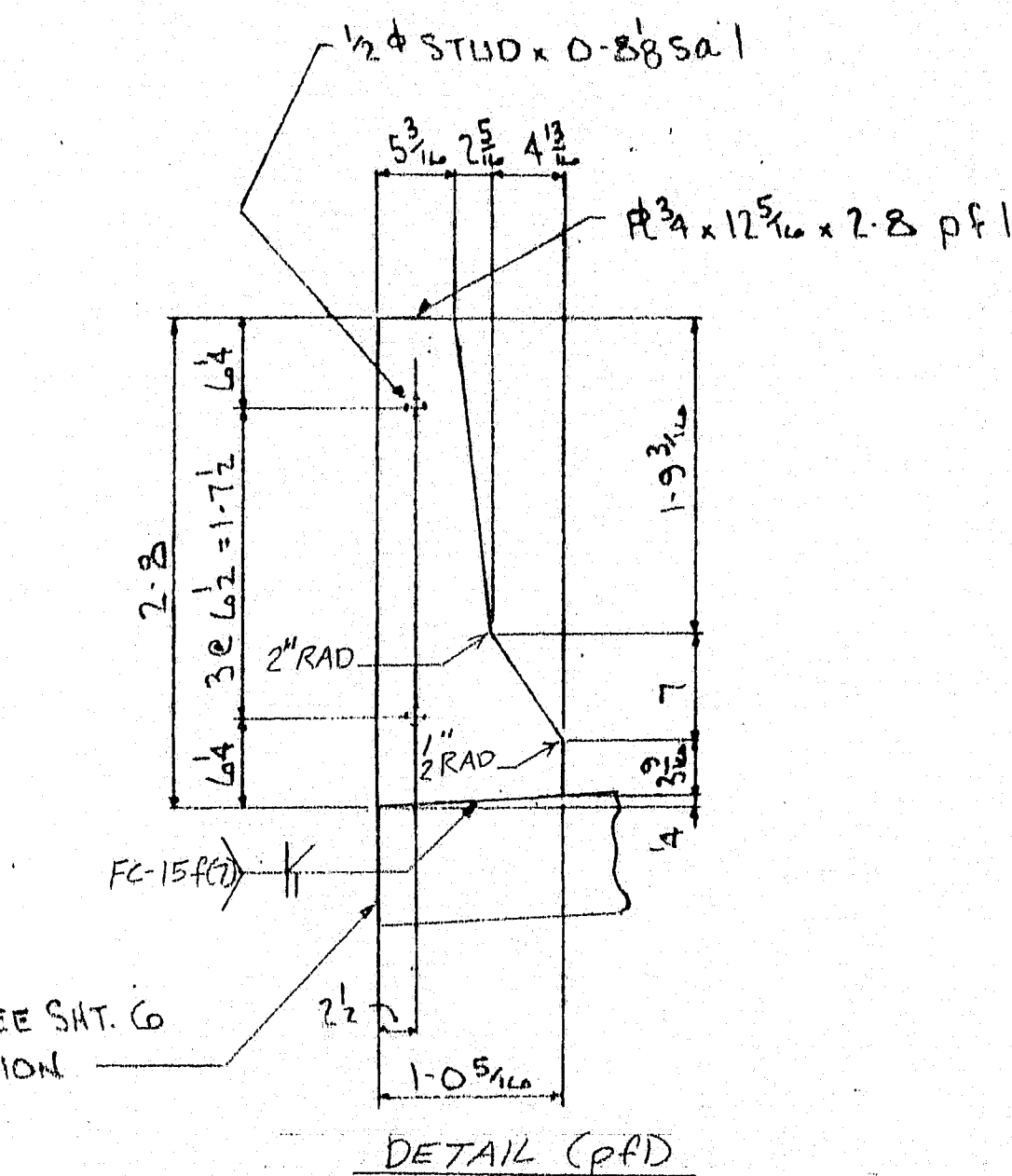
NOTE:
ALL HOLES ARE ALT. SPA'S
9/16" Ø HOLES
CTSK. 1/16" BELOW FLUSH
BOLT 1A TO 1B WITH H8 1/2 x 1 1/2 SS (SD1)
(MATCH DR W/ PC1 3/4x1)



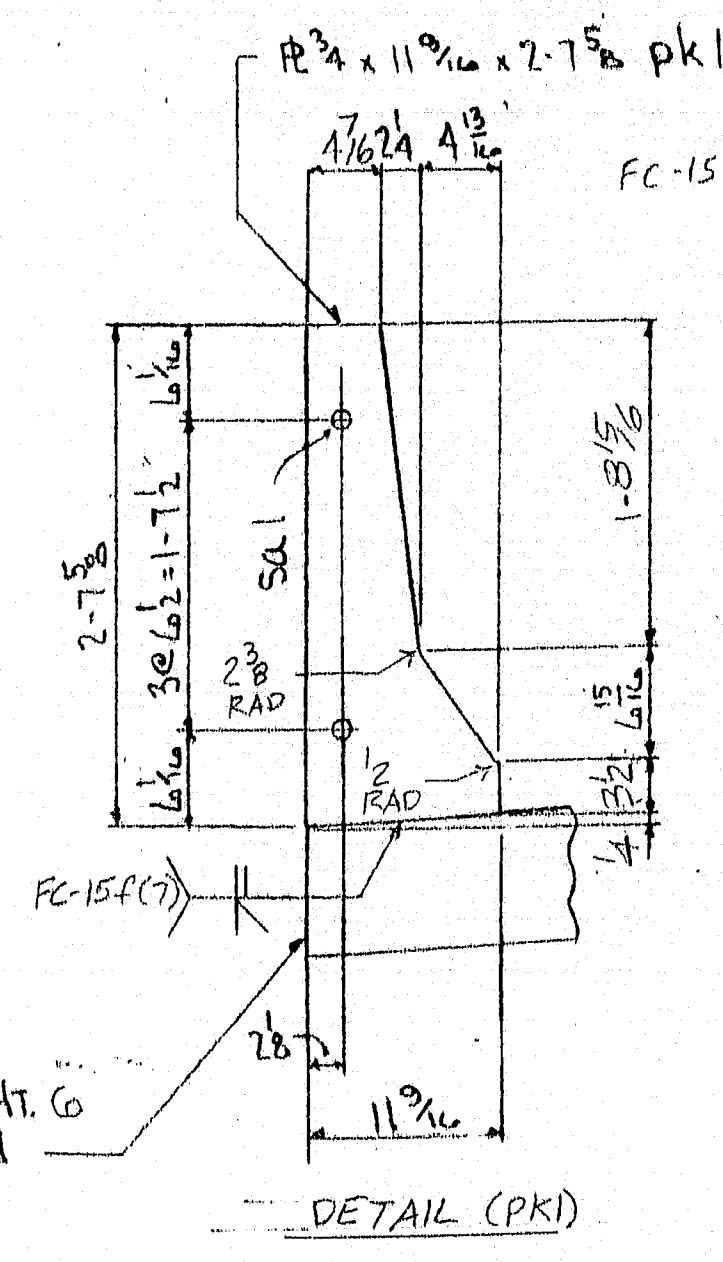
SECTION BB



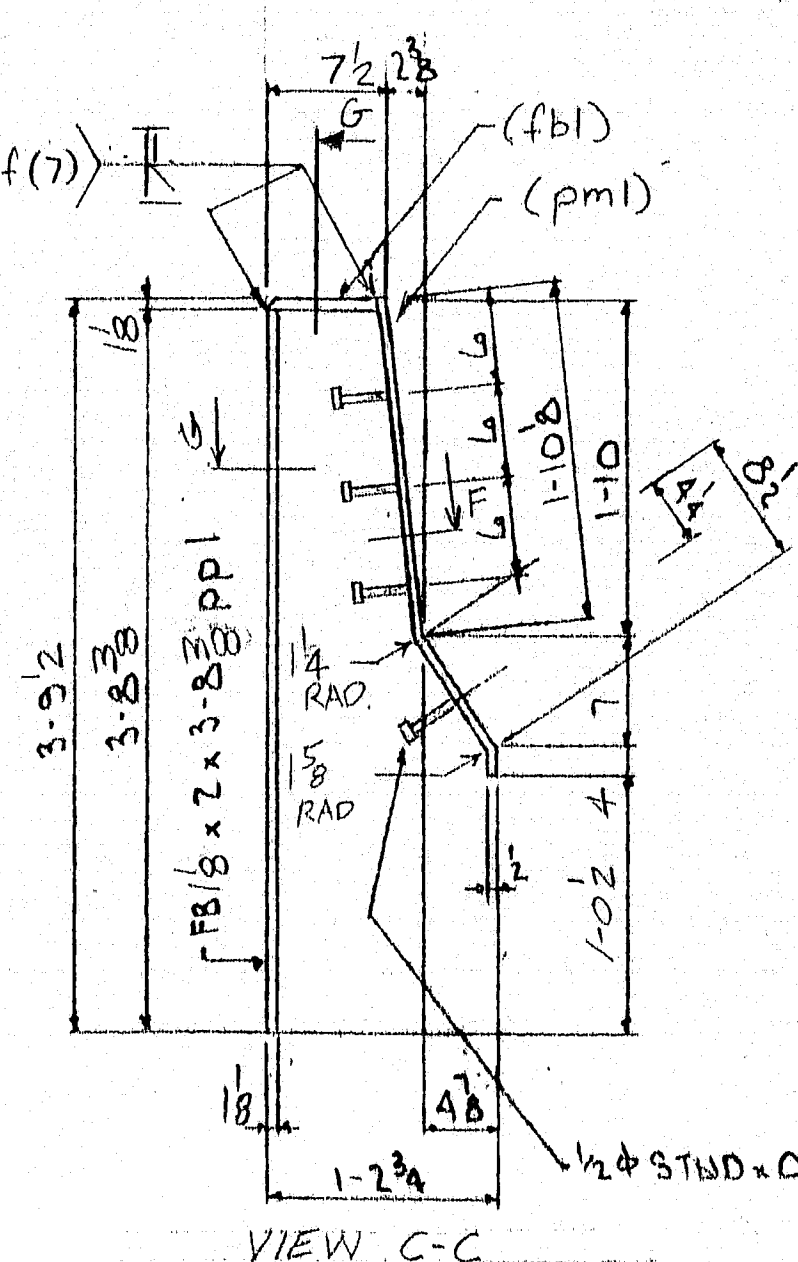
SECTION D-D



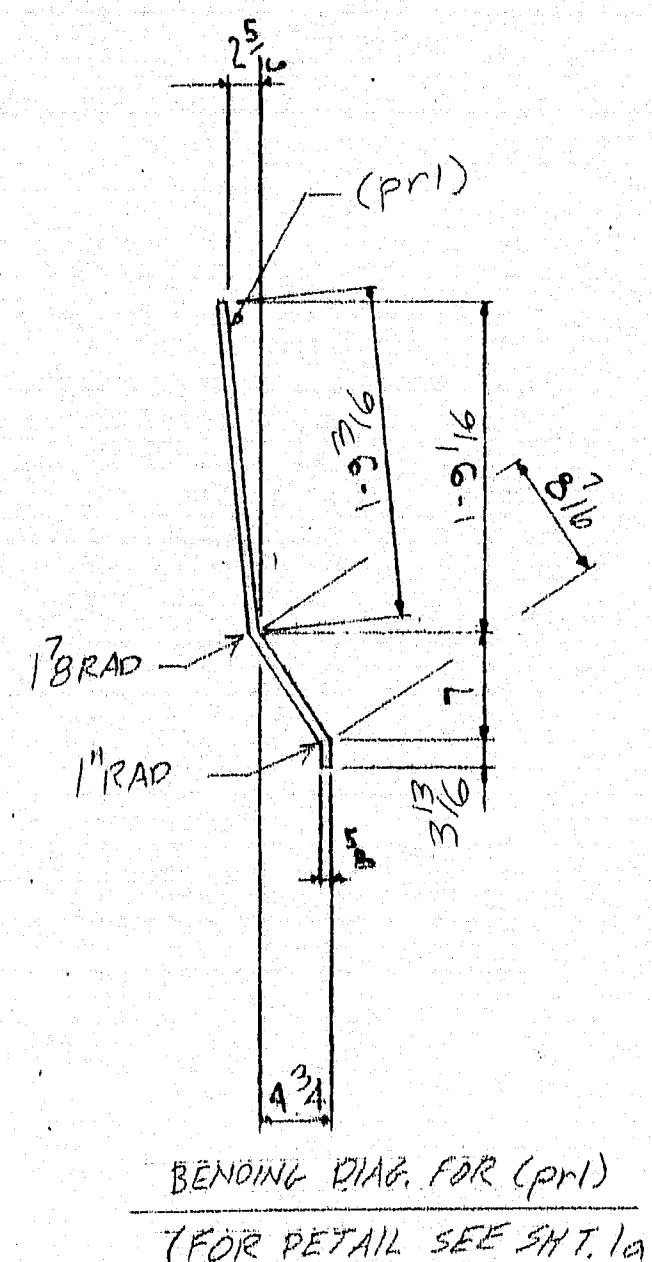
DETAIL (PFI)



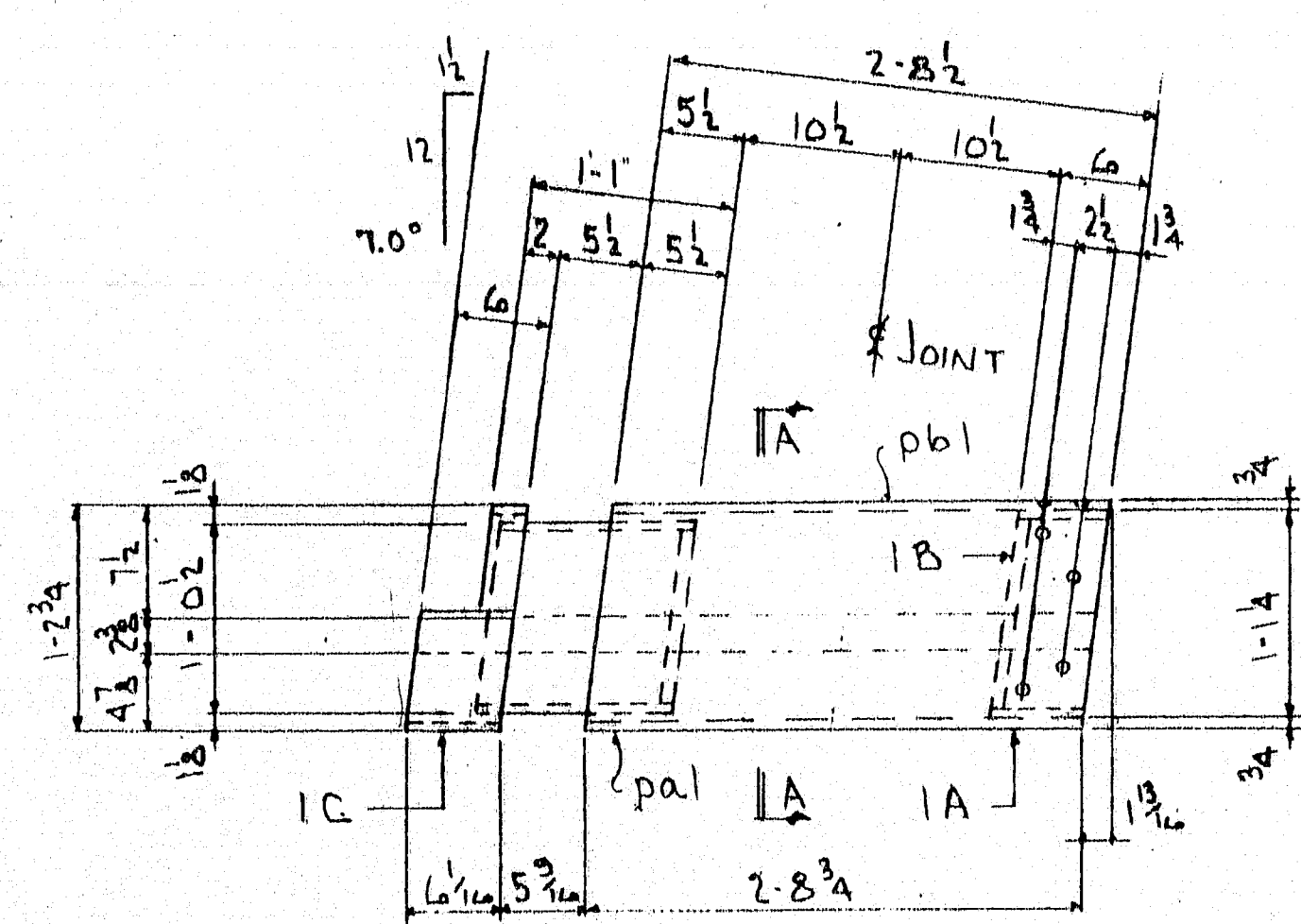
DETAIL (PKI)



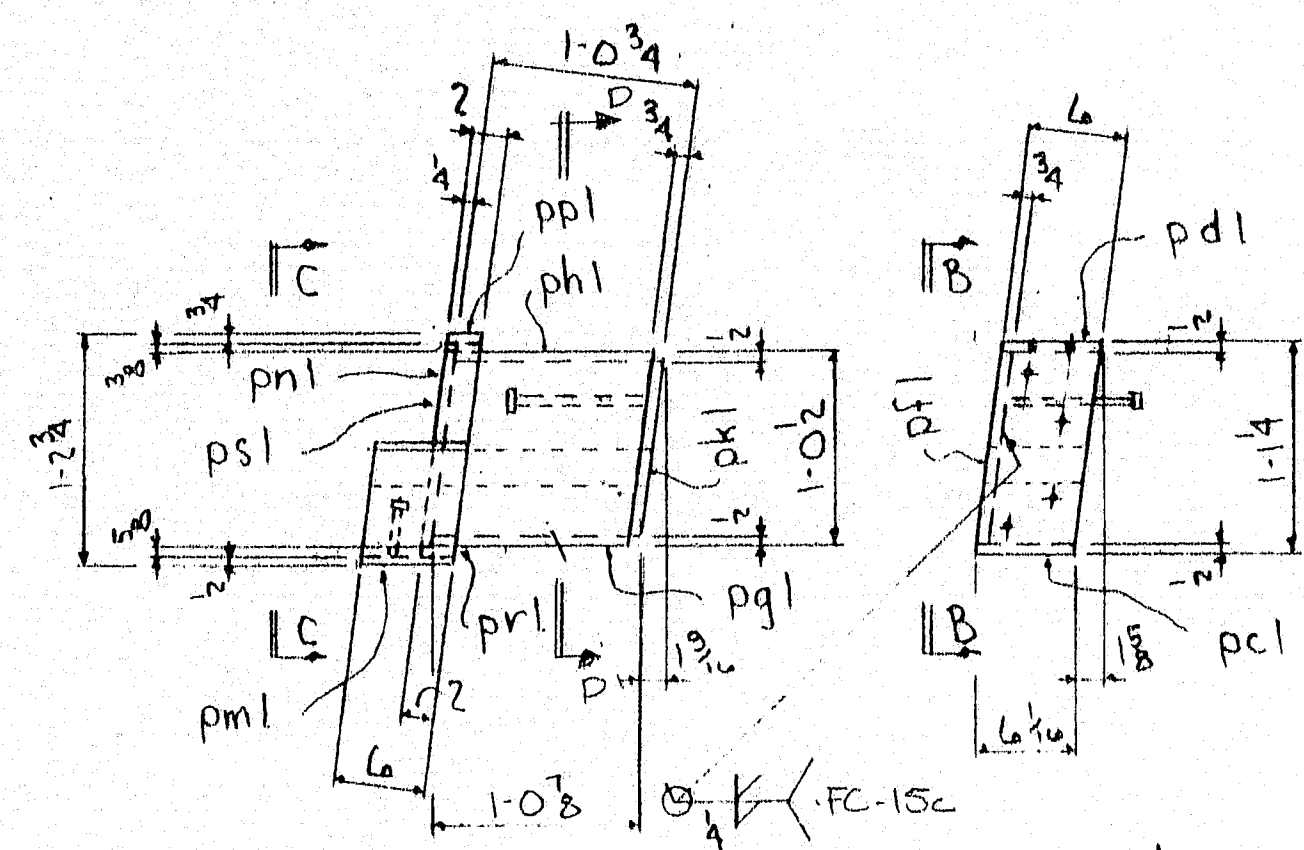
VIEW C-C



BENDING DIAG. FOR (PFI)
(FOR DETAIL SEE SHT. 1a)

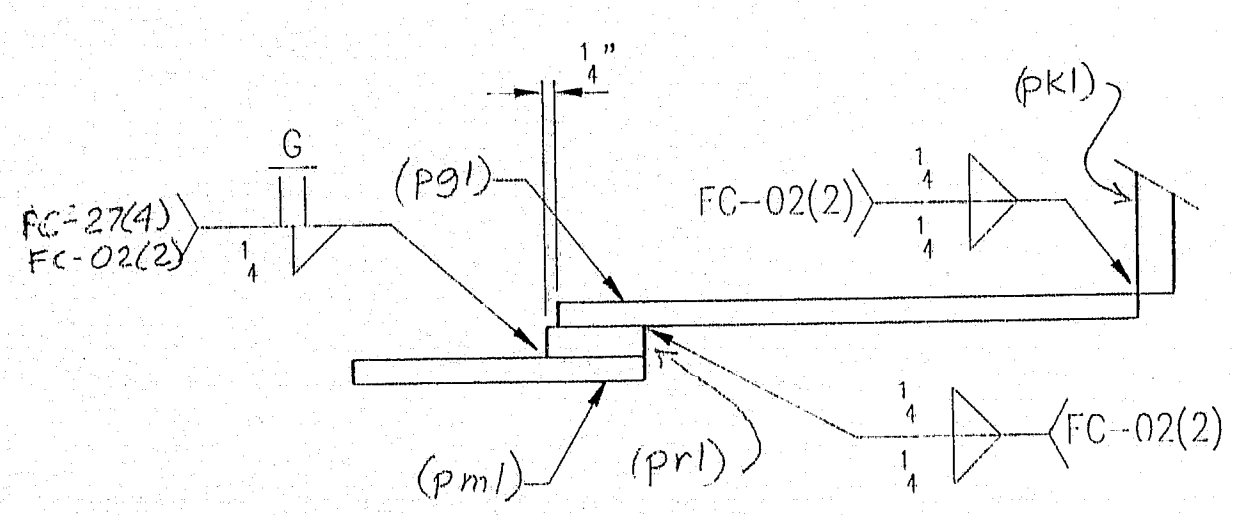


ONE ~ CURB R ~ 1A

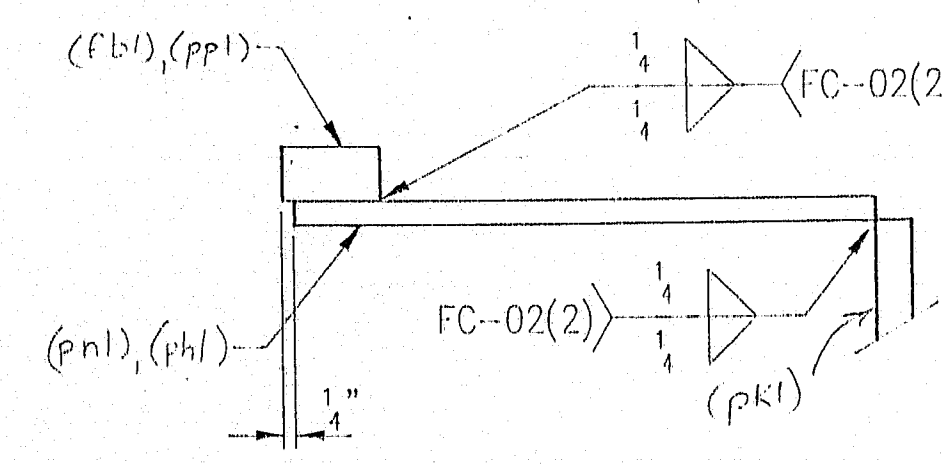


ONE ~ CURB R ~ 1B

ONE ~ CURB R ~ 1C



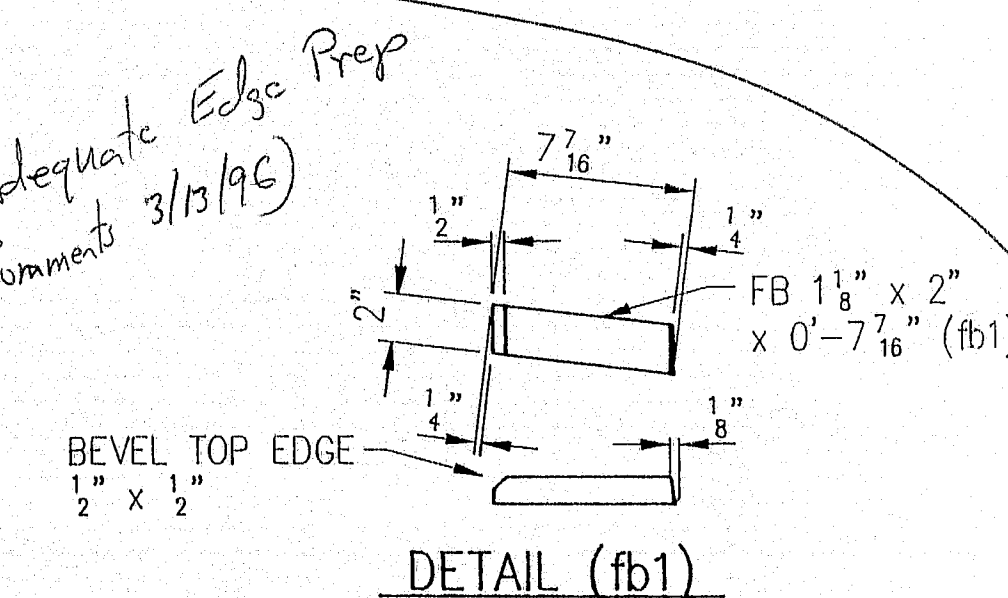
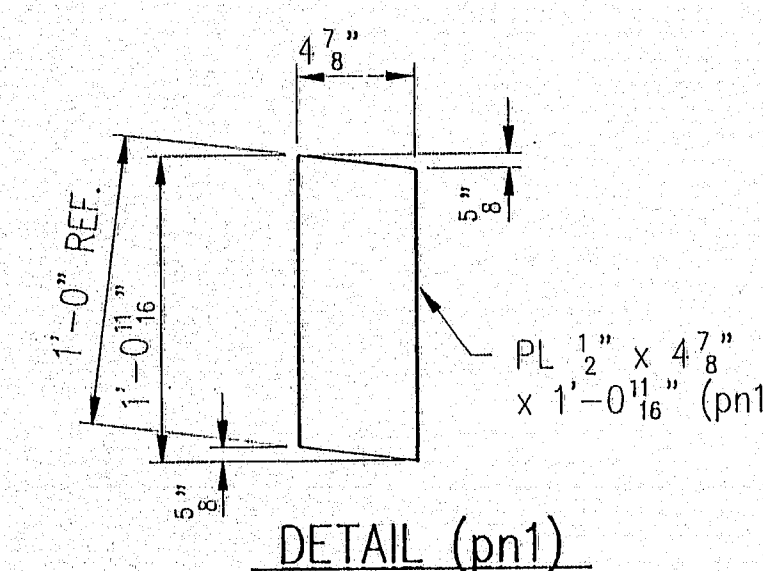
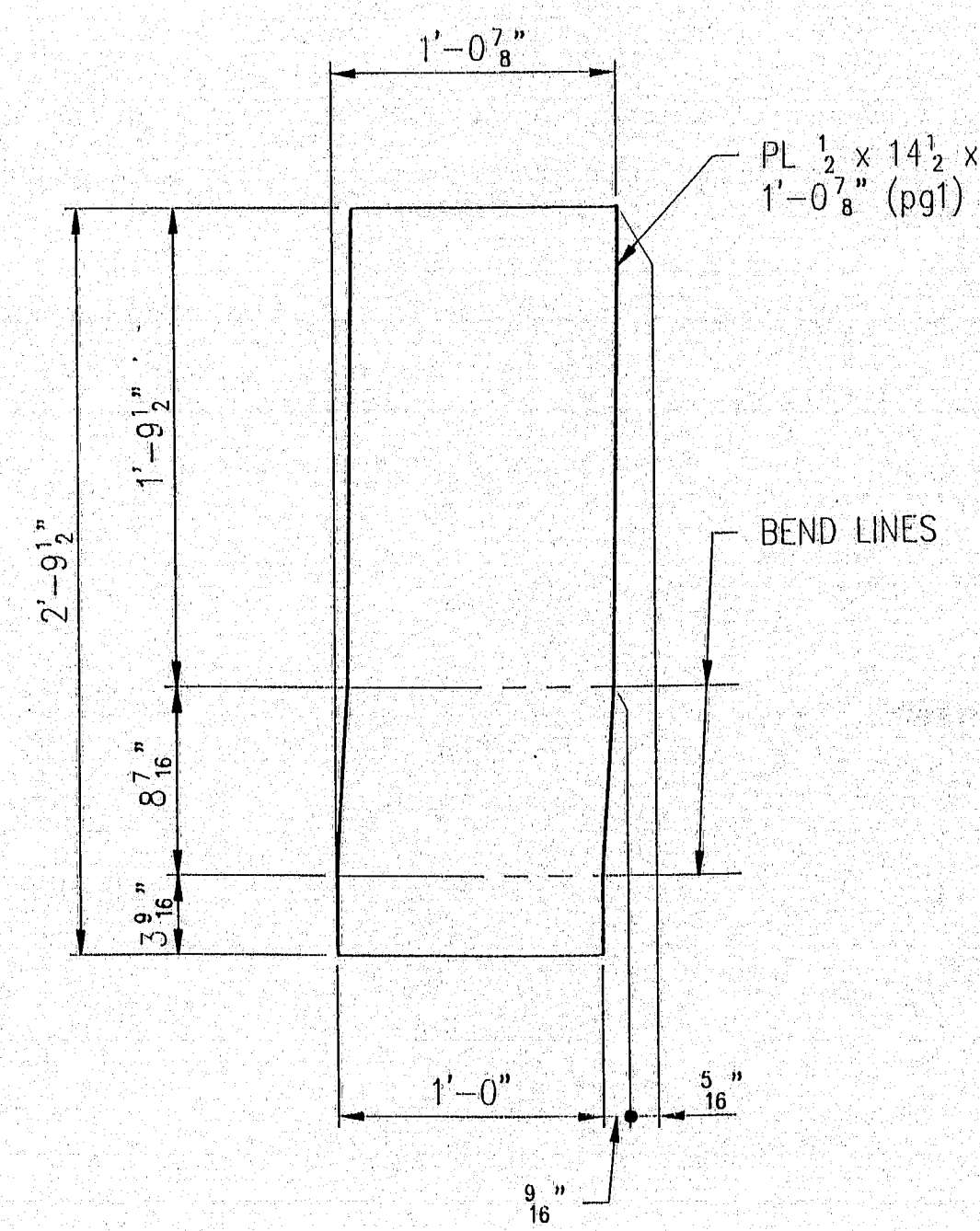
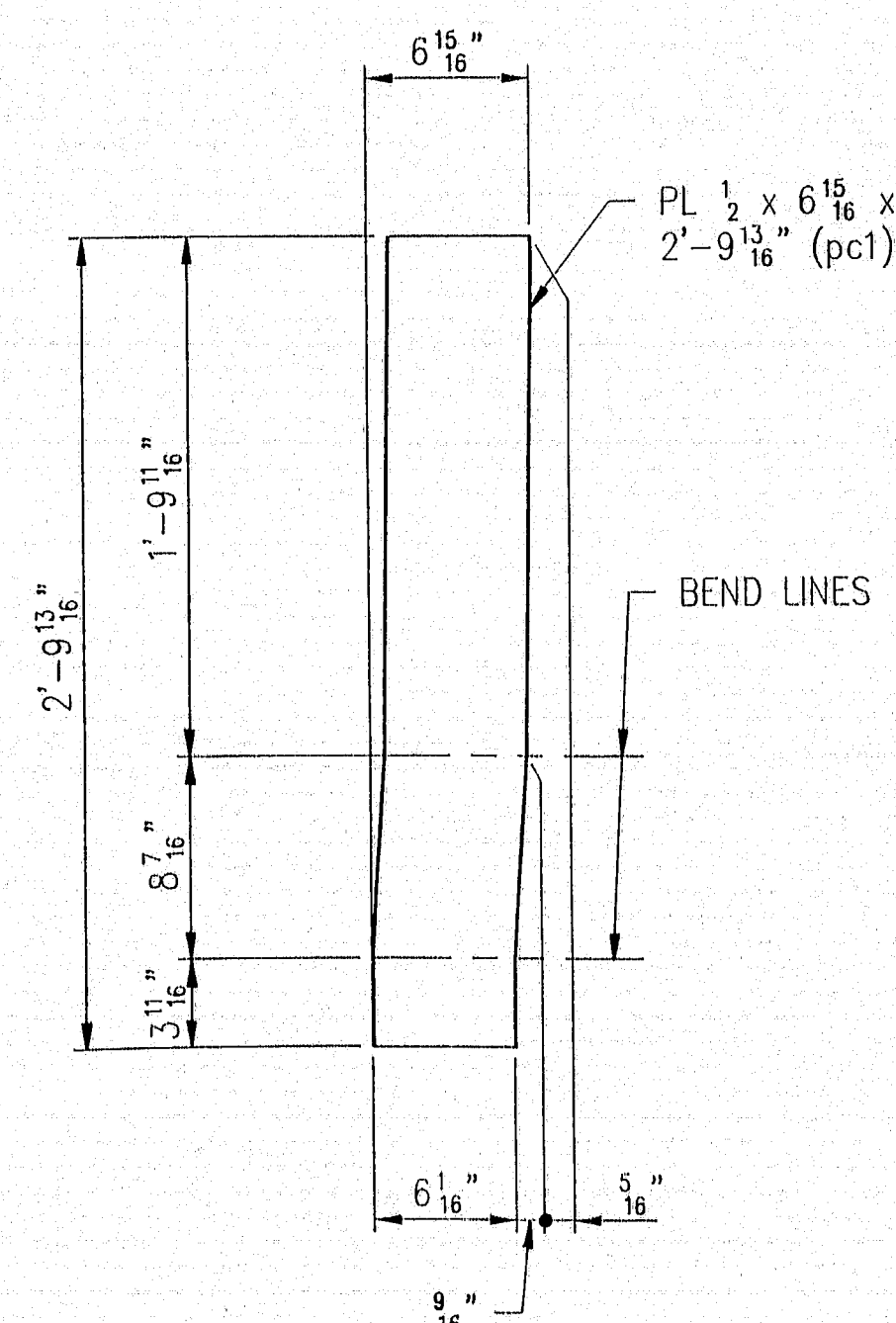
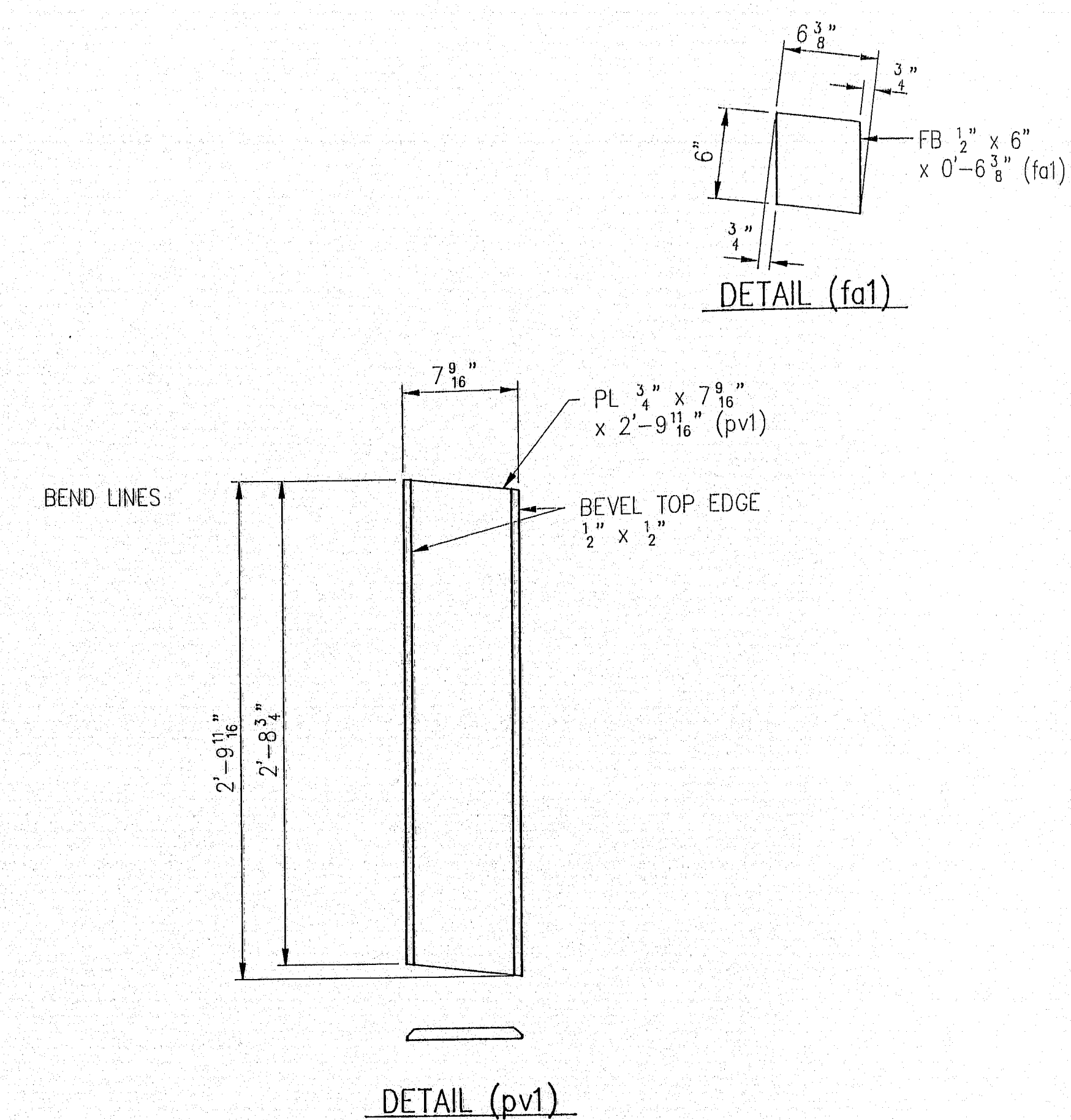
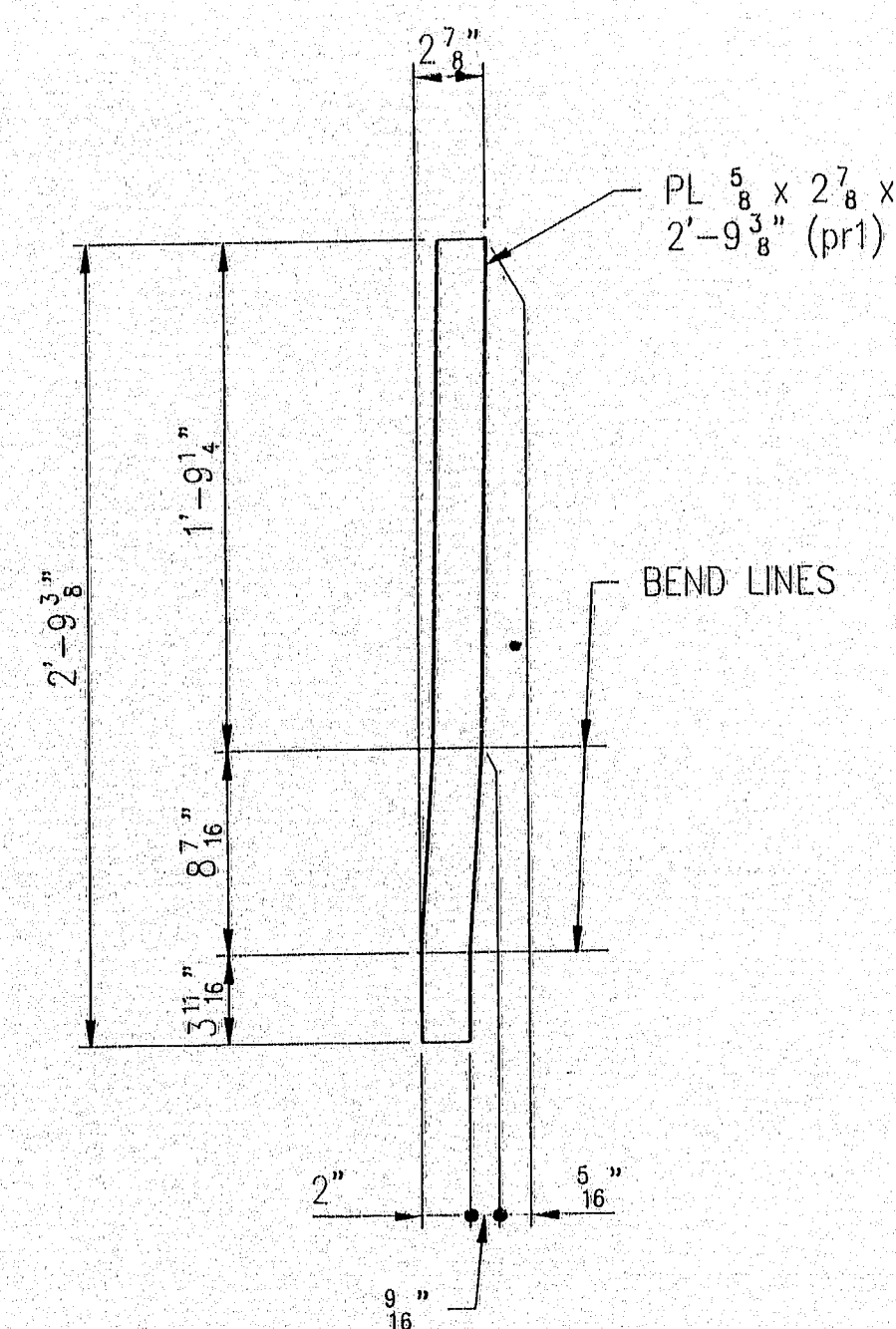
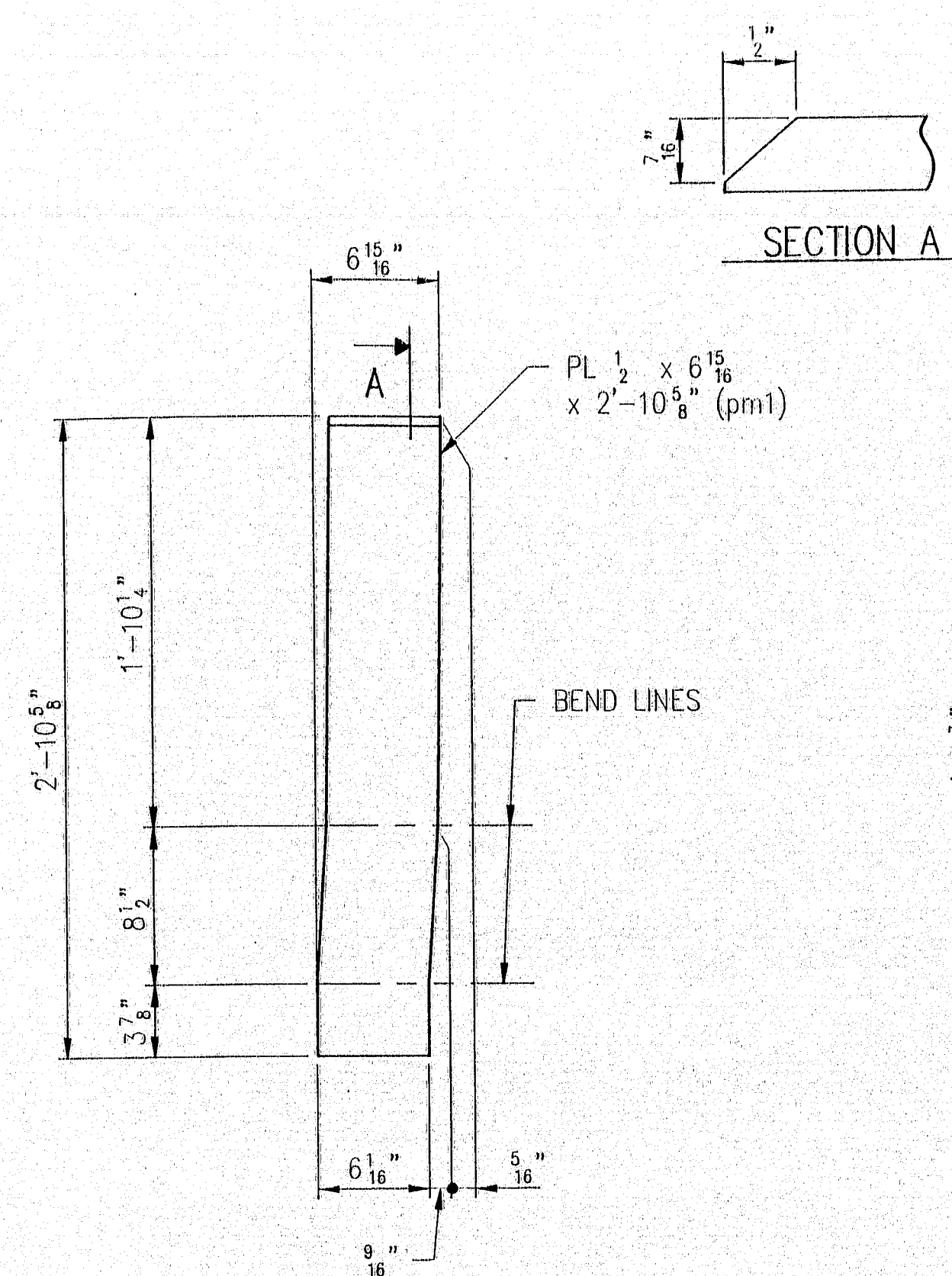
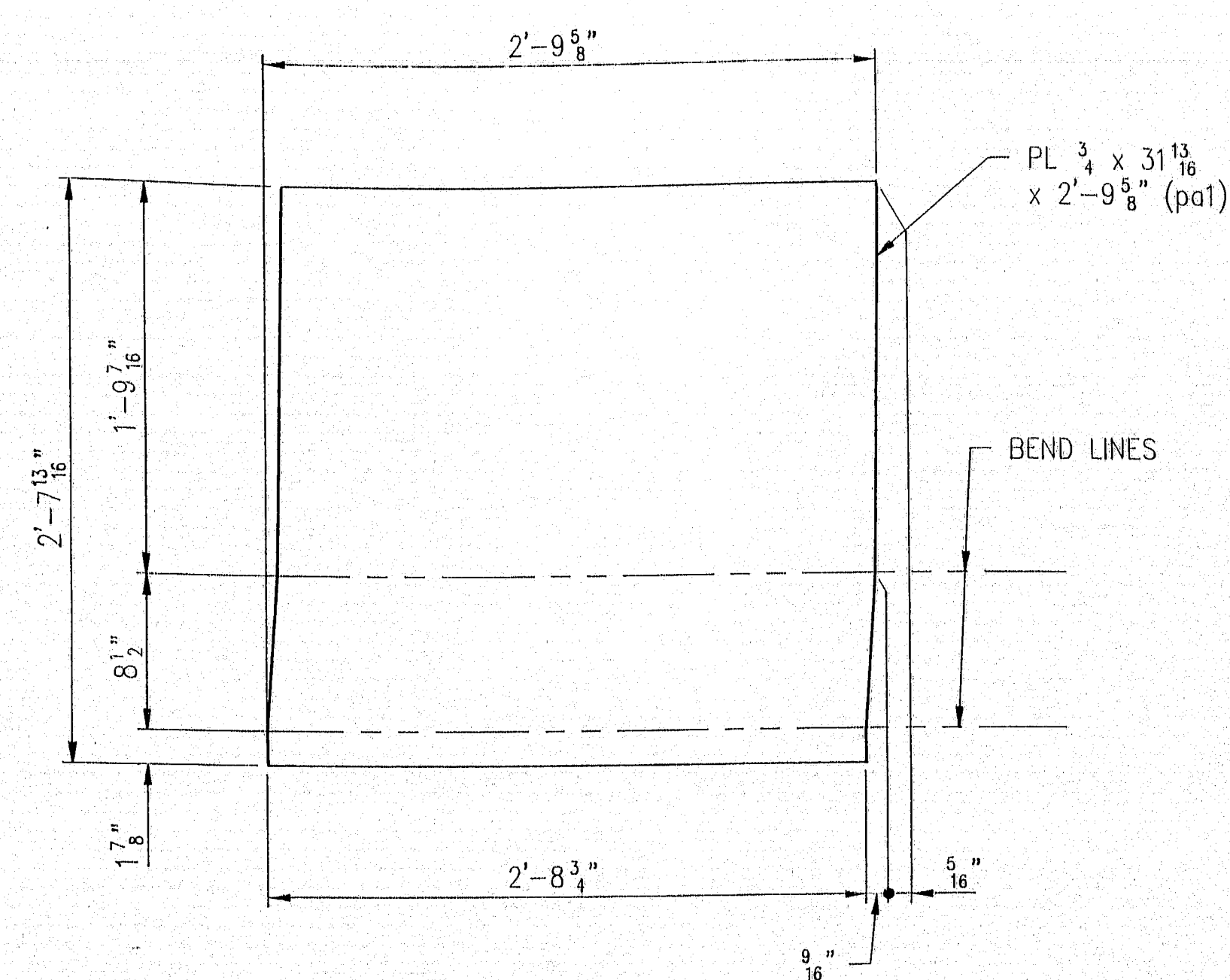
SECTION F



SECTION G

SHOP NOTES
1) SEE SHT. 6 FOR LOCATION OF CURB R.
2) CURB R's (1B) & (1C) ARE SHOP WELDED TO JOINT (GA). (1A) IS SHOP ATTACHED TO (1B).
3) FOR PL DETAILS SEE SHT. 1a.

REV.	DESCRIPTION	LENGTH	MARK	REMARKS	WGT.
1	ONE ~ CURB R ~ 1A	2-9 3/8	pa1	HOG / SHOP ATTACH TO GA	
2	R 3/4 x 3 11/16	3-8 3/4	pb1	SHAPE CUT & BEND	
3	R 3/4 x 3 3/4	2-8 3/4	pc1	SHAPE CUT	
4	PL 3/4 x 7 1/16	2-9 11/16	pr1	SHAPE CUT	
5	ONE ~ CURB R ~ 1B	2-9 11/16	pc1	HOG / WELD TO JOINT	
7	R 1/2 x 6 13/16	3-8 1/4	ph1	SHAPE CUT & BEND	
8	R 1/2 x 6 1/16	2-8	pf1	SHAPE CUT	
9	R 1/2 x 17 5/16	0-6 3/8	fa1	SHAPE CUT & BEND	
10	WS 1/2 x 0-8 3/8		sa1		
11	HN 1/2 SS		sc1		
12	HB 1/2 x 12 SS		sd1		
13	FB 1/2 x 6		fb1	HOG / WELD TO JOINT	
15	ONE ~ CURB R ~ 1C	2-9 1/2	pg1	SHAPE CUT & BEND	
16	R 1/2 x 12 7/8	3-7 7/8	ph1	SHAPE CUT	
17	R 3/4 x 11 3/16	2-7 5/8	pk1	SHAPE CUT	
18	R 1/2 x 6 13/16	2-10 5/8	pm1	SHAPE CUT & BEND	
19	FB 1/2 x 2	0-7 7/16	fb1		
20	FB 1/2 x 2	3-8 3/8	pr1	SHAPE CUT & BEND	
21	R 5/8 x 2 8	2-9 3/8	pr1	SHAPE CUT & BEND	
22	PL 1/2 x 4 7/8	1-0 1/16	pr1		
24	WS 1/2 x 0-3/8		sa1		
25	WS 1/2 x 0-3/8		sb1		
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38	GENERAL NOTES: 1.) MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH ME/DOT "STANDARD SPECIFICATIONS HIGHWAYS AND BRIDGES" APRIL 1995 AND THE SPECIAL PROVISIONS. 2.) WELDING SHALL BE PER ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE AS MODIFIED BY ME/DOT SPEC. 504.2C. THE WELD METAL ANALYSIS OF THE ELECTRODE USED SHALL NOT EXCEED 0.40% SILICON. 3.) STEEL SHALL CONFORM TO ASTM A101, GRADE 36. 4.) STUDS SHALL CONFORM TO AASHTO M169 (ASTM A108), GRADE 1010-1020, SEMI-KILLED OR FULLY-KILLED. TESTING OF THE STUDS SHALL BE PER ME/DOT SPEC. 505.04. 5.) FABRIC TROUGH SHALL BE IN ACCORDANCE WITH ME/DOT SPEC. 521.04. THE TROUGH SHALL BE TAGGED OR MARKED WITH THE MANUF. NAME, TRADE MARK & LOT #. A SAMPLE 3'-0" LONG SHALL BE SUBMITTED FOR TESTING. 6.) HIGH-STRENGTH BOLTS, NUTS, & WASHERS SHALL BE GALVANIZED PER ASTM A153 AND SHALL MEET ME/DOT SPEC. 713.02 FOR MATERIAL AND ROTATIONAL CAPACITY TEST. 7.) CLEAN STEEL PER SSPC-SP10. 8.) GALVANIZE STEEL SHAPES PER AASHTO M111-91 (ASTM A123). 9.) INSPECTION BY ME/DOT				
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					
REV. DESCRIPTION					DATE INT.
ANY AND ALL BACKCHARGES WILL BE REJECTED UNLESS WRITTEN CONSENT IS GIVEN BY LEWIS ENGINEERING COMPANY PRIOR TO ANY WORK PERFORMED FOR OUR ACCOUNT. SUCH REJECTION MEANS THAT INVOICES WILL NOT BE HONORED OR DEDUCTIONS FROM PAYMENT WILL BE CHARGED BACK.					
LEWIS ENGINEERING COMPANY 4201 NOREX DRIVE - CHASKA, MINNESOTA 55318 - (612) 388-3000					
PROJECT - DONALD V. CARTER BRIDGE OVER KENNEBEC RIVER					
STATE PROJECT - PIN 566.40					
FEDERAL PROJECT - DPB-0009 (002)					RELEASED FOR APPROVAL BY <i>BN</i> DATE 4-9-90
CUSTOMER - CIANBRO CORP.					
LOCATION - CITY OF WATerville / WINSLOW, ME					Drawn By <i>J.W.</i>
DESCRIPTION - EXP. DEVICE - FINGER JOINT DETAILS OF ABUT'S & PIER					Chk'd. By <i>J.P.</i>
SHEET NO. 1 OF 10					Job. No. : 3505-61



Typical - Adequate Edge Prep
Provide (See Comments 3/13/96)

SHOP DRAWING REVIEW
HOWARD, NEEDLES, TAMMEN & BERGENDOFF

Reviewed _____ for general compliance with American
specifications. Date _____ responsibility for correctness
of dimensions,
quantity and safety during
erection and removal with the Contractor.


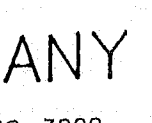
☐ No Exceptions Taken

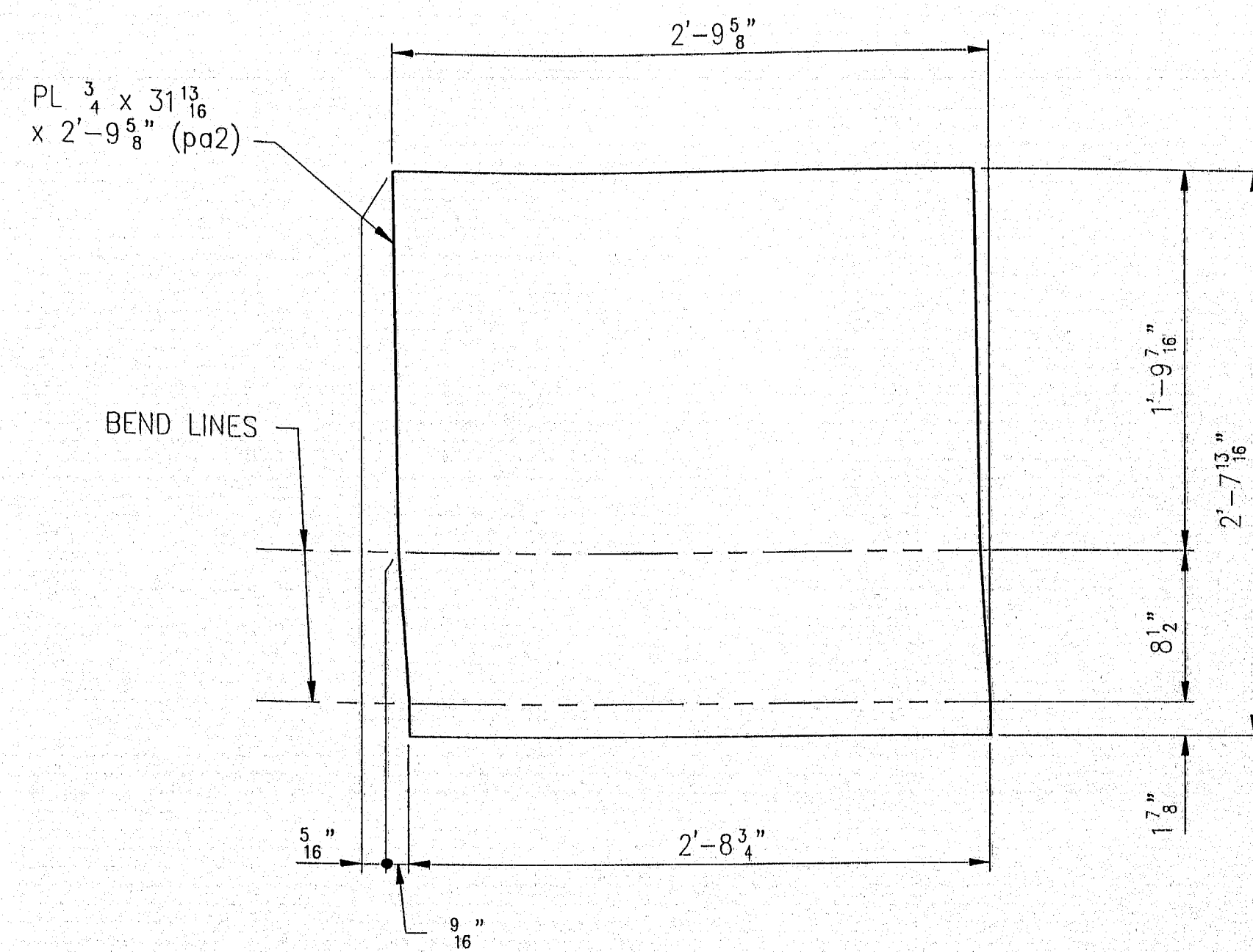
☒ Make Corrections Noted

☐ Amend and Resubmit

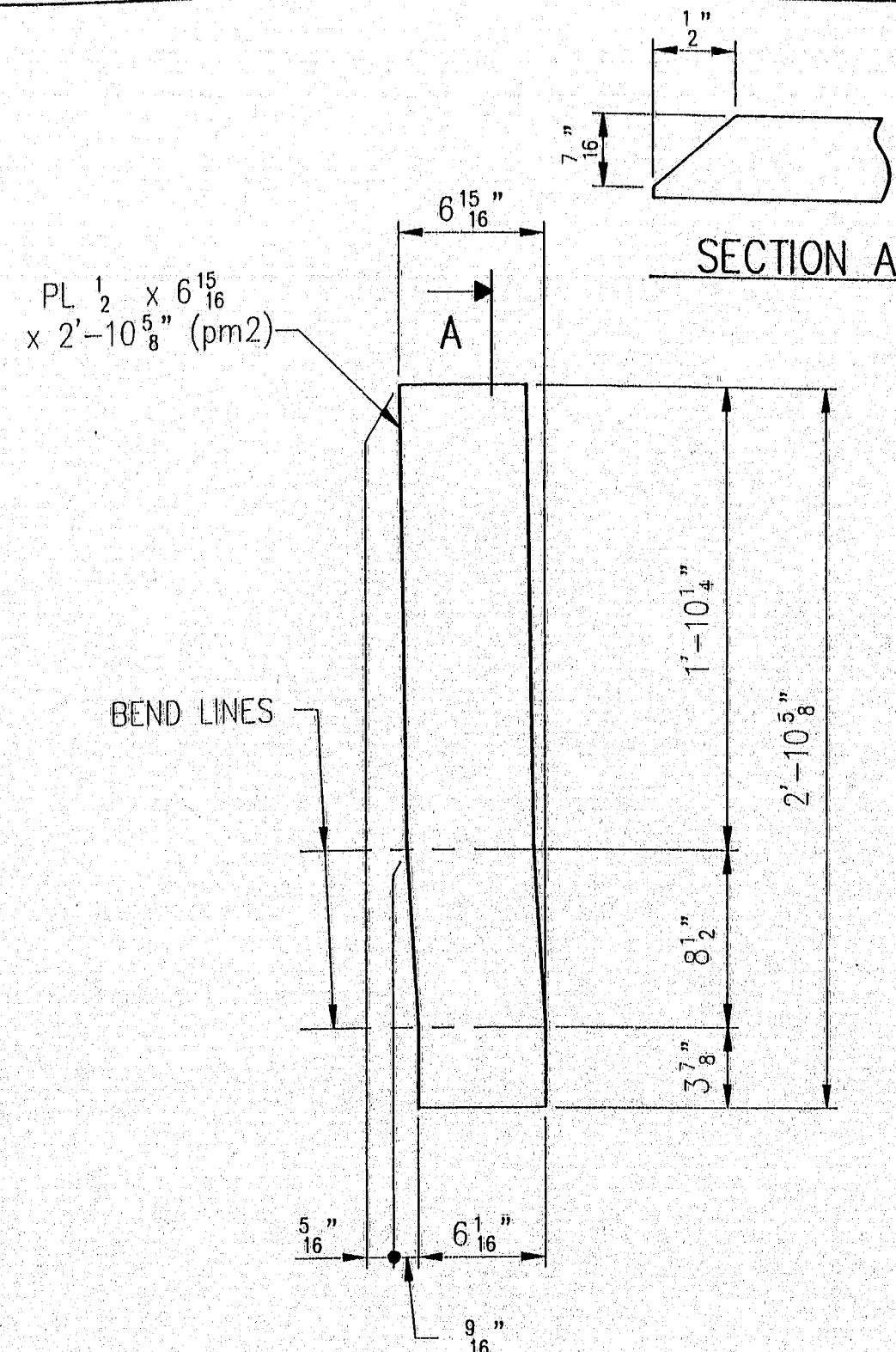
☒ Rejected - See Remarks

By Dune Date 5-14-96

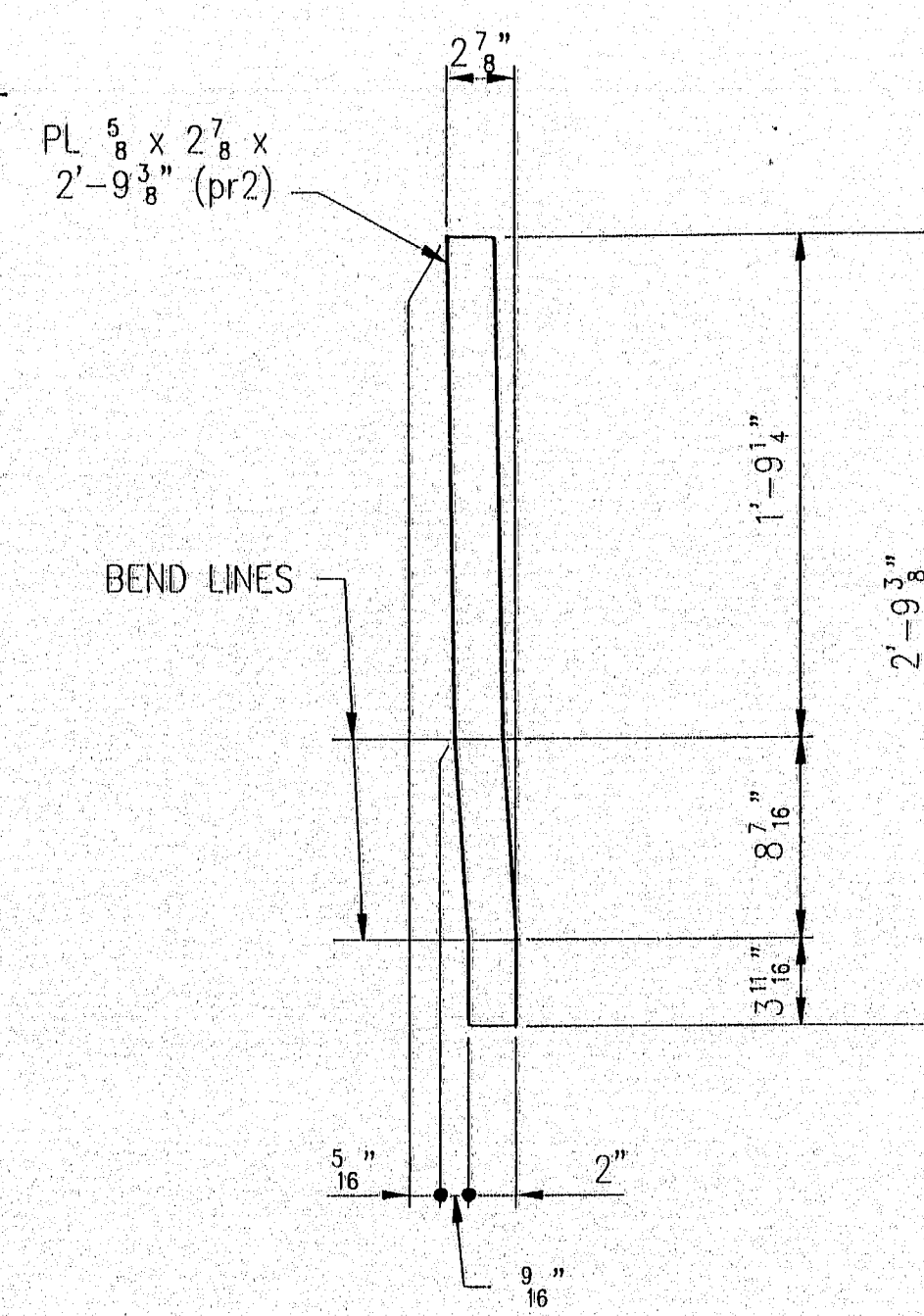
REV.	DESCRIPTION	DATE	IN
<p>ANY AND ALL BACKCHARGES WILL BE REJECTED UNLESS WRITTEN CONSENT IS GIVEN BY LEWIS ENGINEERING COMPANY PRIOR TO ANY WORK PERFORMED FOR OUR ACCOUNT. SUCH REJECTION MEANS THAT INVOICES WILL NOT BE HONORED OR DEDUCTIONS FROM PAYMENT WILL BE CHARGED BACK.</p>			
<div style="display: flex; justify-content: space-around; align-items: center;">  <div style="text-align: center;"> <h2 style="margin: 0;">LEWIS ENGINEERING COMPANY</h2> <p style="margin: 5px 0;">4201 NOREX DRIVE — CHASKA, MINNESOTA 55318 — (612) 368-3000</p> </div>  </div>			
PROJECT	— DONALD V. CARTER BRIDGE OVER KENNEBEC RIVER		
STATE PROJECT	— PIN 566.40		
FEDERAL PROJECT	— DPB-0009(002)	RELEASED FOR APPROVAL BY <u> RN </u> DATE <u> 4-19-96 </u>	
CUSTOMER	— CIANBRO CORP.		
LOCATION	— CITY OF WATERVILLE/WINSLOW, ME		
DESCRIPTION	— EXPANSION DEVICE BARRIER DETAILS		
SHEET No. 1a OF 10		Job. No. : 3505-61	



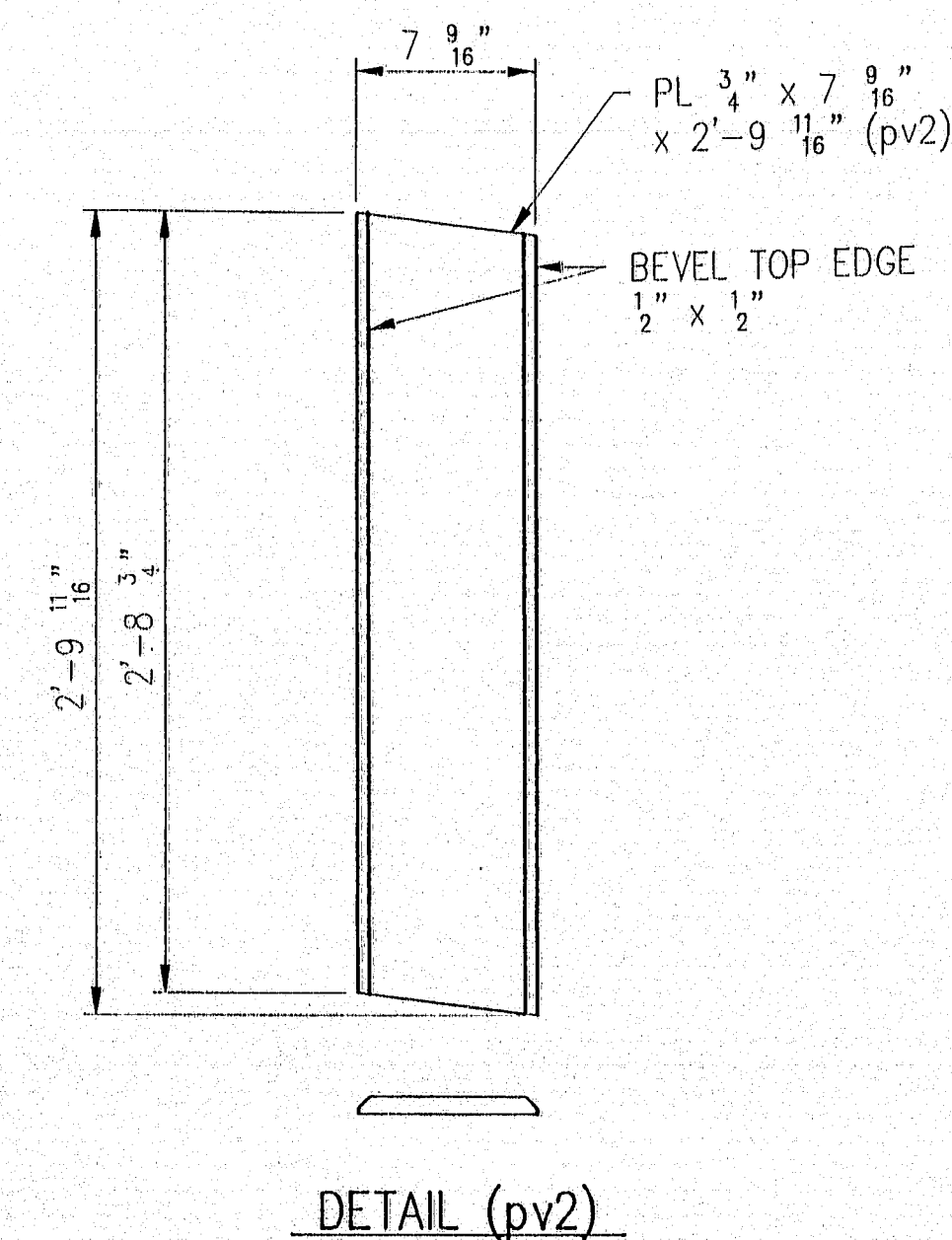
DETAIL PL (pa2)



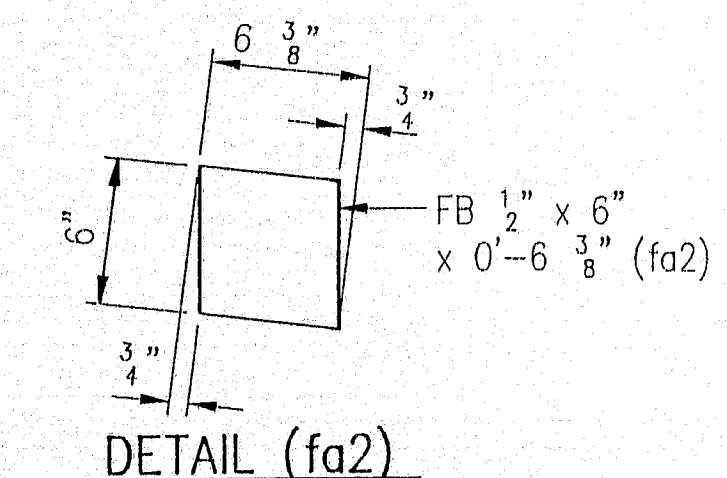
DETAIL PL (pm2)



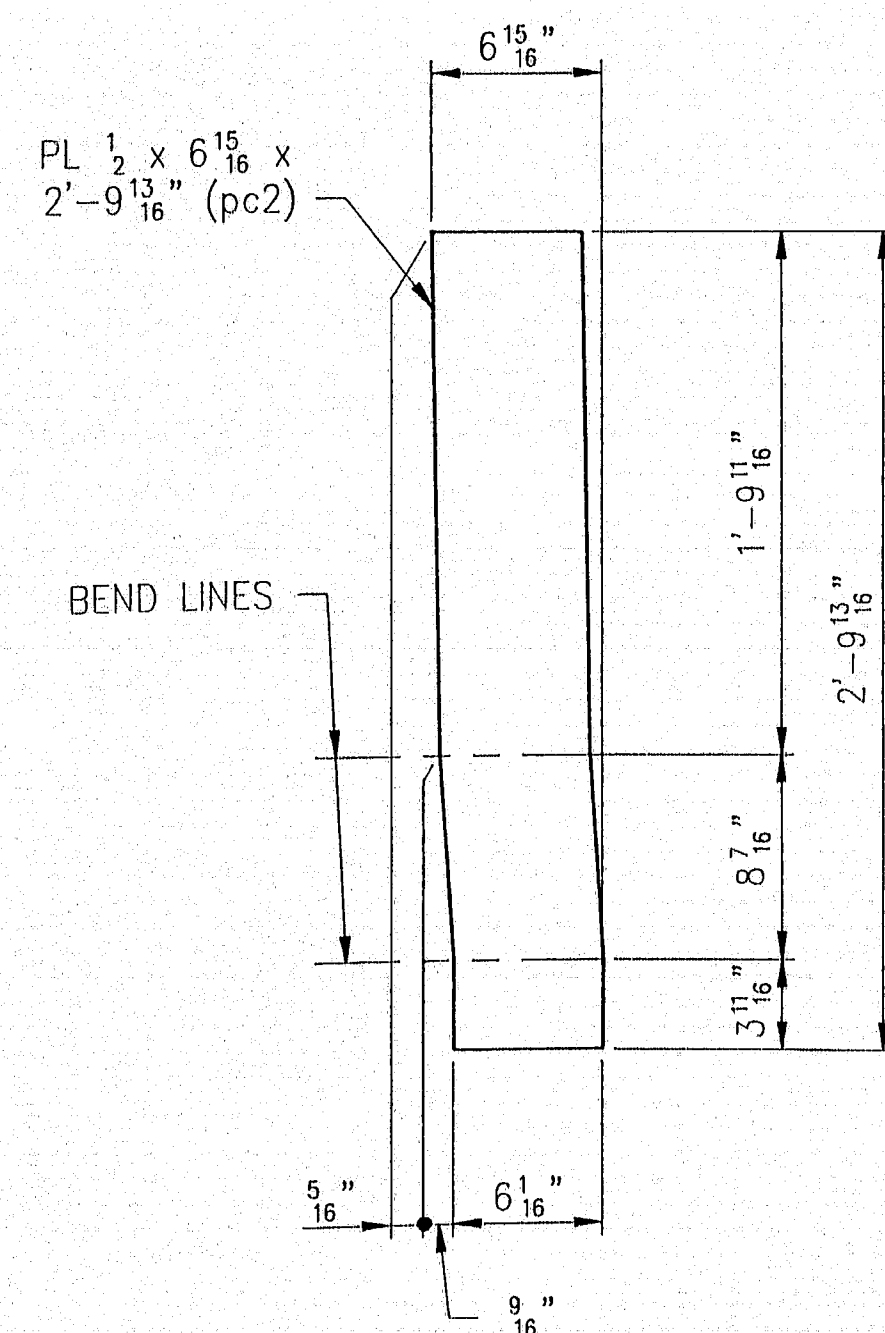
DETAIL PL (pr2)



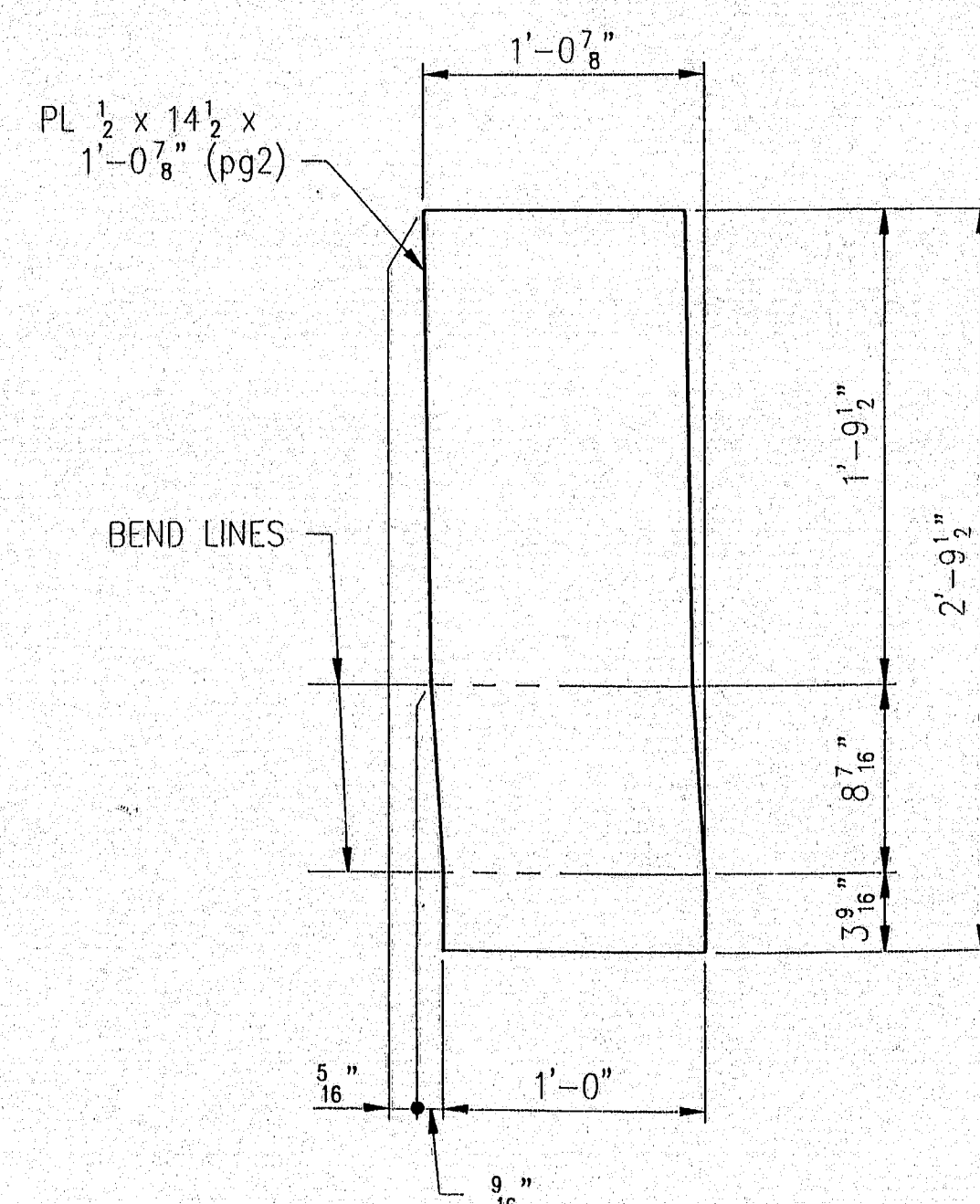
DETAIL (pv2)



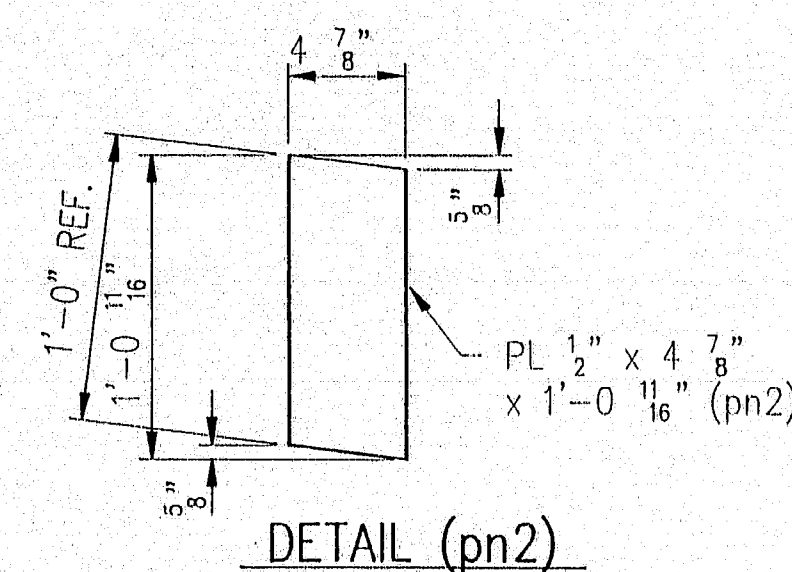
DETAIL (fa2)



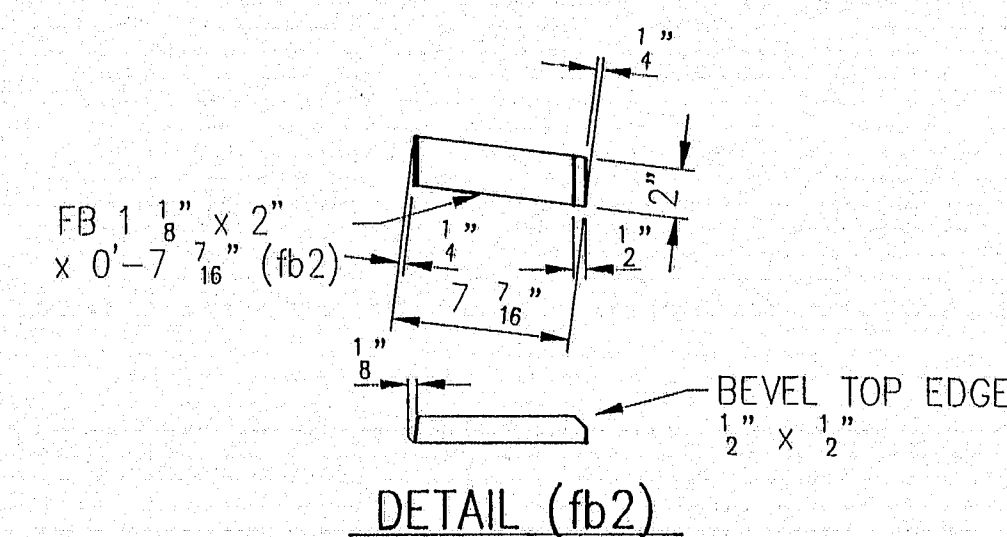
DETAIL PL (pc2)



DETAIL PL (pg2)



DETAIL (pn2)



DETAIL (fb2)

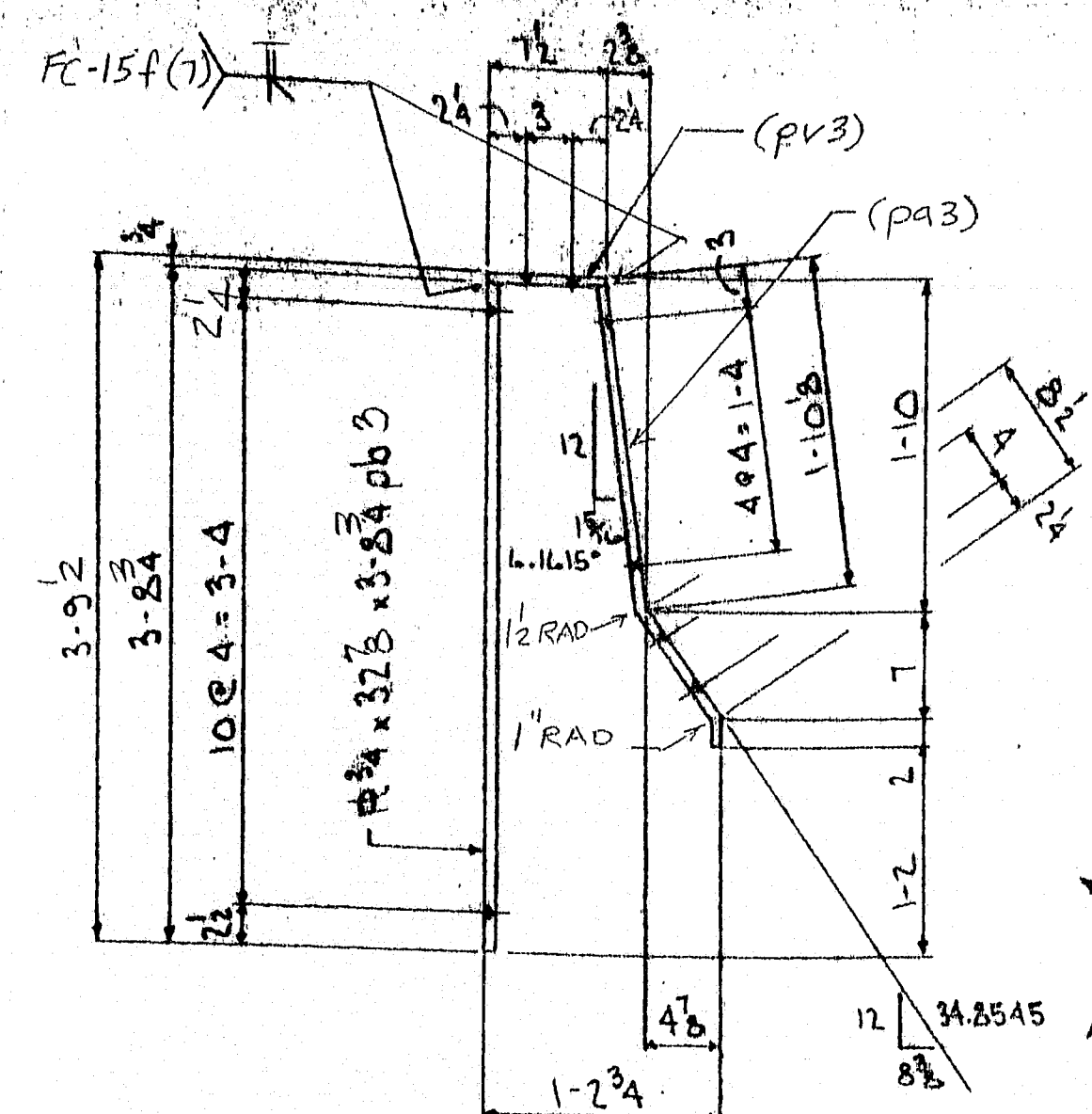
SHOP DRAWING REVIEW
 HOWARD, NEEDLES, TAMMEN, & BERGENDOFF
 Review is for general compliance with contract documents. Not responsible for correctness of dimensions, quantities and safety during fabrication and erection and contact with the Contractor.
☐ No Exceptions Taken
☒ Make Corrections Noted
☐ Amend and Resubmit
☐ Rejected - See Remarks
 By: *[Signature]* Date: 5-14-96

See Sheet 1a

NOTE: WORK THIS SHEET WITH SHEET 2.

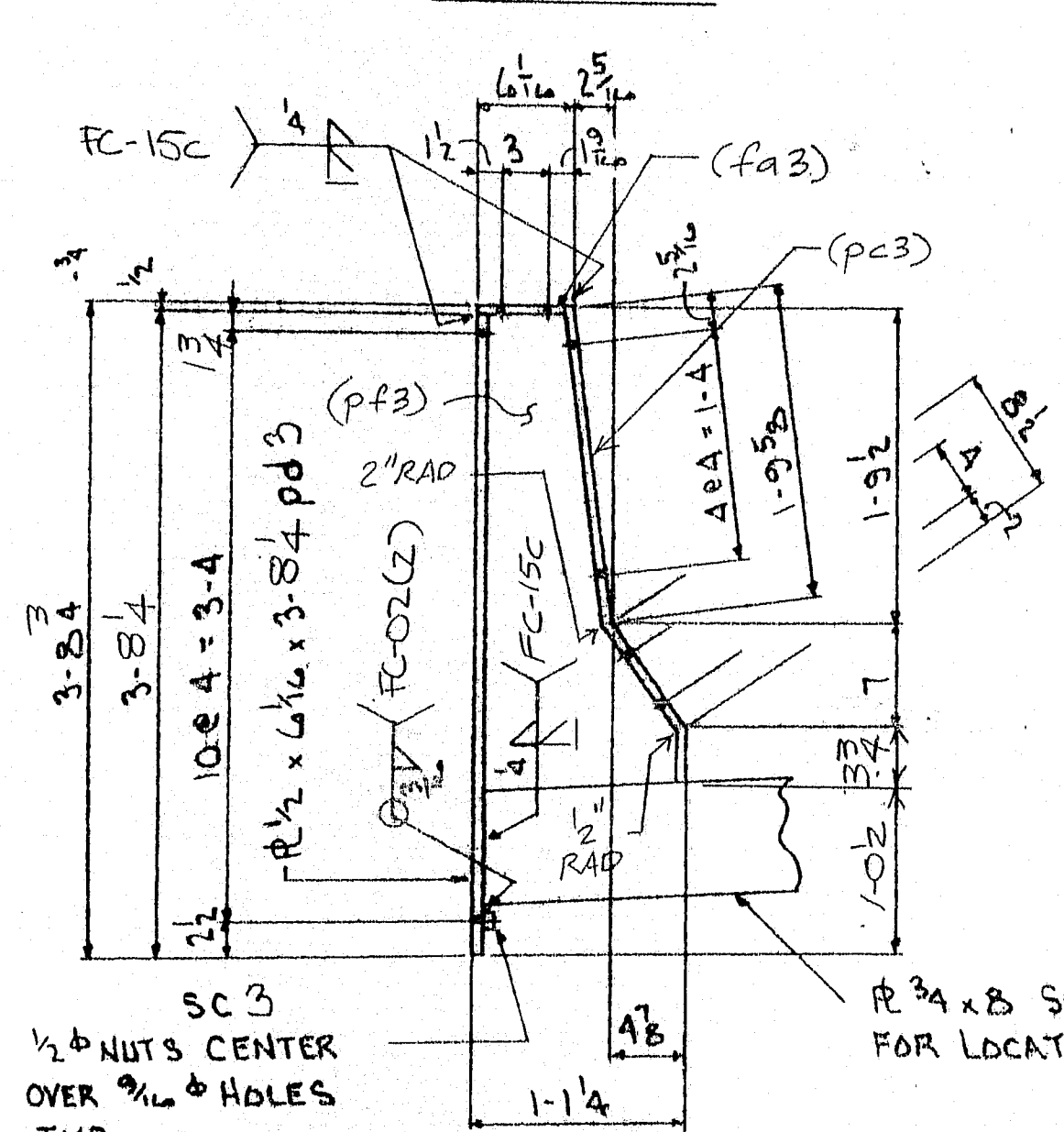
123-112

REV.	DESCRIPTION	DATE	INT.
ANY AND ALL BACKCHARGES WILL BE REJECTED UNLESS WRITTEN CONSENT IS GIVEN BY LEWIS ENGINEERING COMPANY PRIOR TO ANY WORK PERFORMED FOR OUR ACCOUNT. SUCH REJECTION MEANS THAT INVOICES WILL NOT BE HONORED OR DEDUCTIONS FROM PAYMENT WILL BE CHARGED BACK.			
LEWIS ENGINEERING COMPANY 4201 NOREX DRIVE - CHASKA, MINNESOTA 55318 - (612) 368-3000			
PROJECT	DONALD V. CARTER BRIDGE OVER KENNEBEC RIVER		
STATE PROJECT	PIN 566.40		
FEDERAL PROJECT	DPB-0009(002)		
CUSTOMER	CIANBRO CORP.		
LOCATION	CITY OF WATERVILLE/WINSLOW, ME		
DESCRIPTION	EXPANSION DEVICE BARRIER DETAILS		
RELEASED FOR APPROVAL BY: <i>[Signature]</i> DATE: 4-19-96			Drawn By: <i>JDK</i> Chk'd. By: <i>SCS</i> Date: 2-2-96
SHEET NO. 2a OF 10			Job. No.: 3505-61

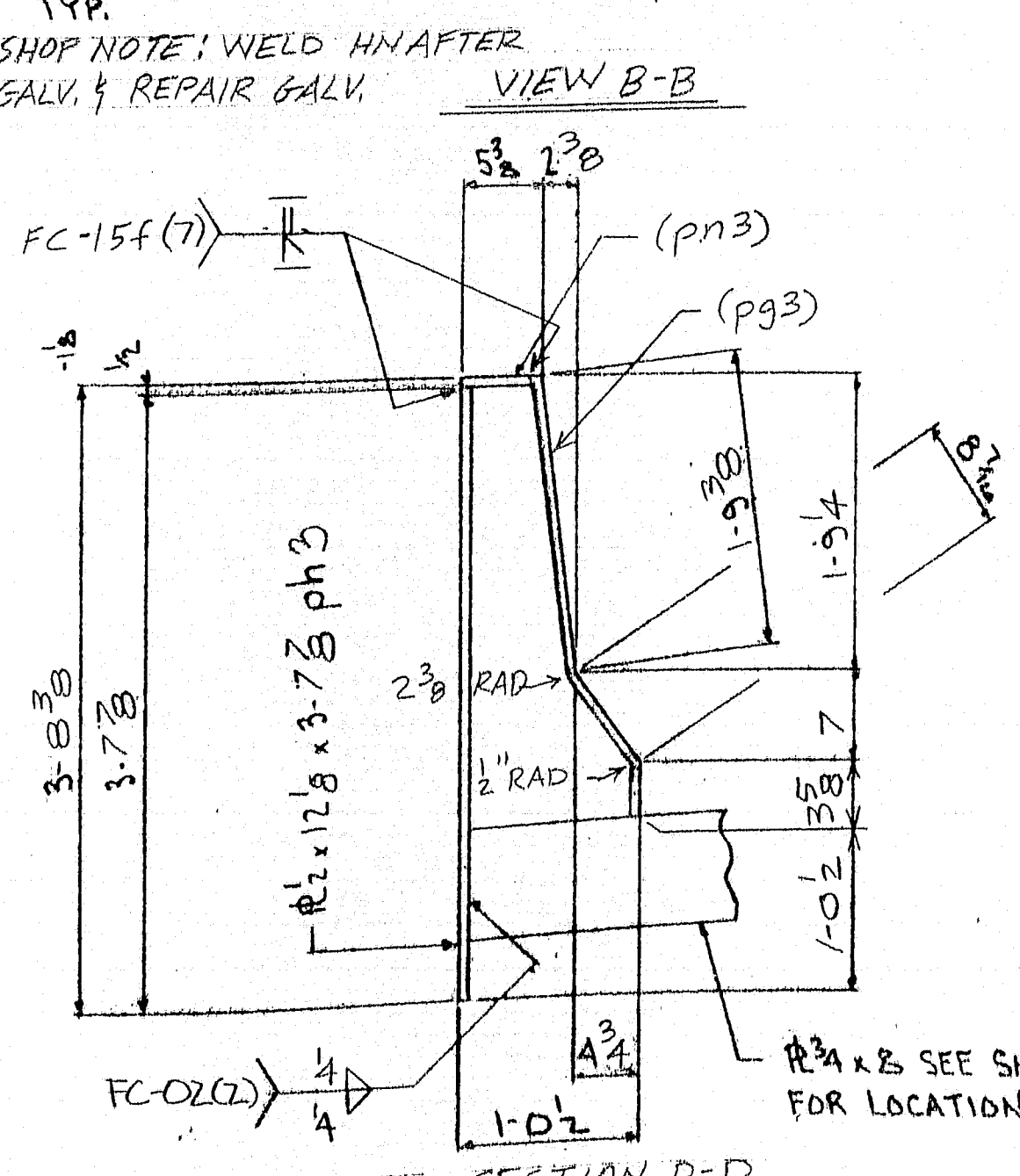


SECTION AA

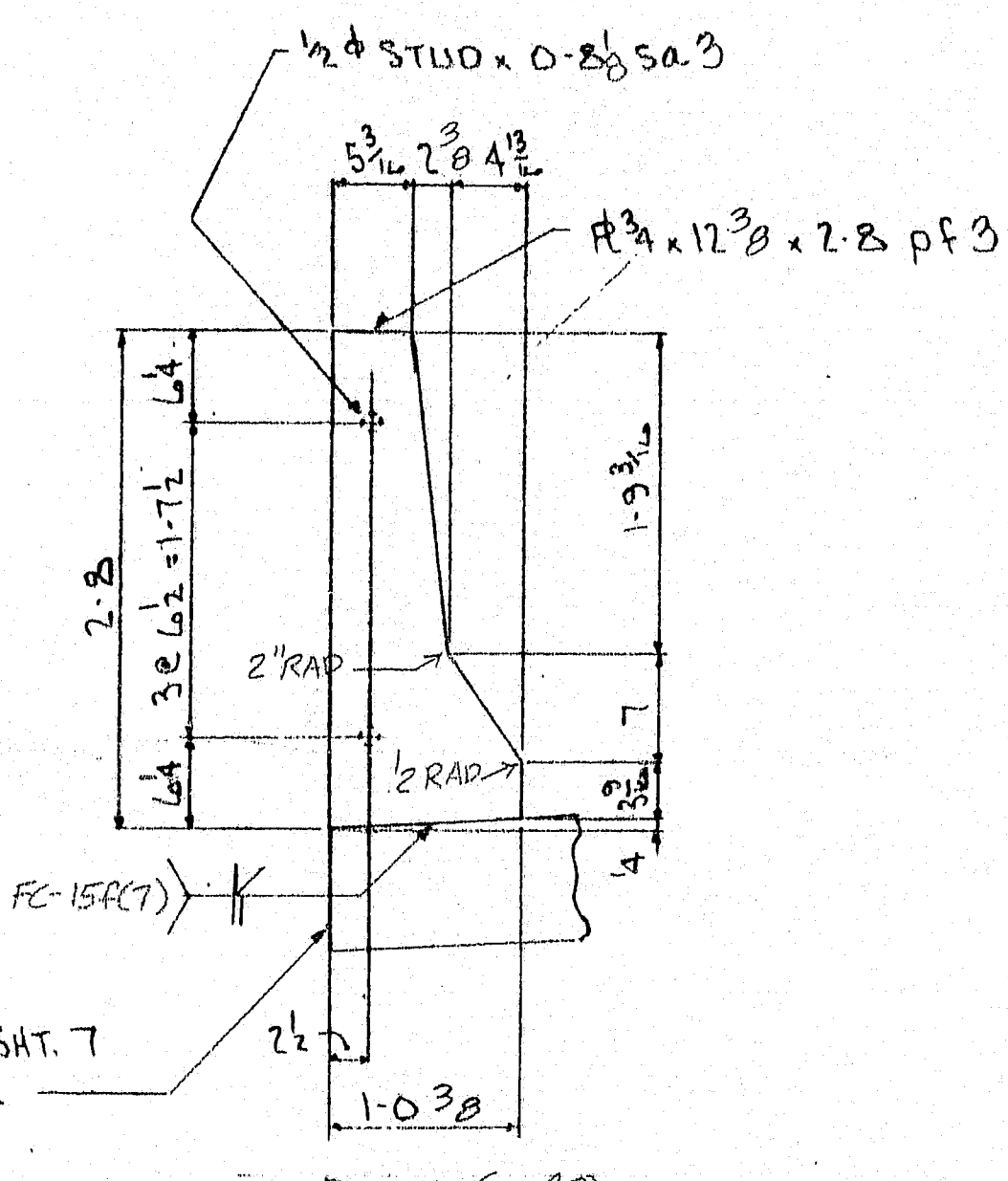
NOTE:
ALL HOLES ARE ALT. SPN'S
9/16" Ø HOLES
CFSK 1/16" BELOW FLUSH
BOLT 3A TO 3B WITH H8 1/2 x 1/2 SS (Sd3)
(MATCH DR W/ PC3 & PA3)



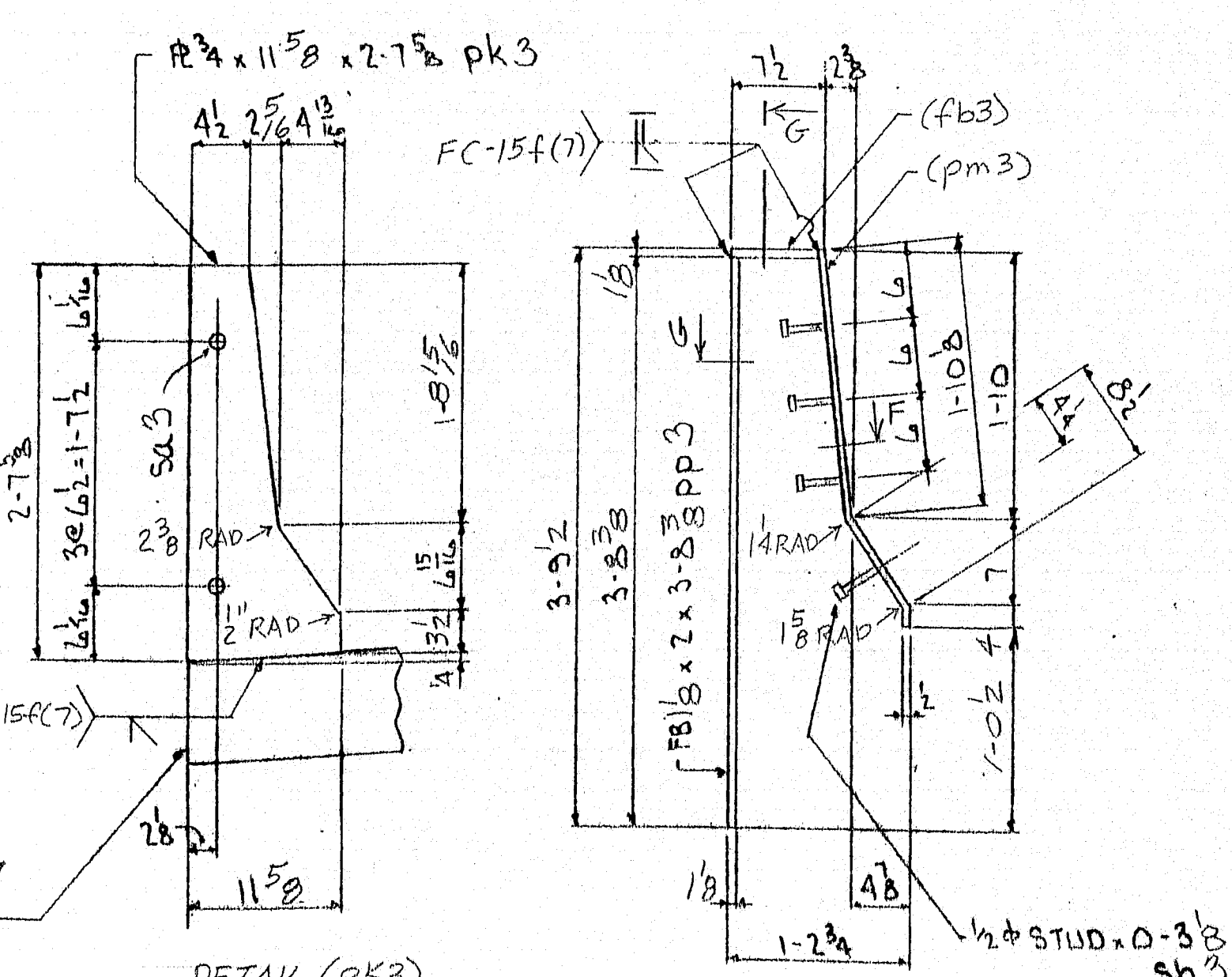
VIEW B-B



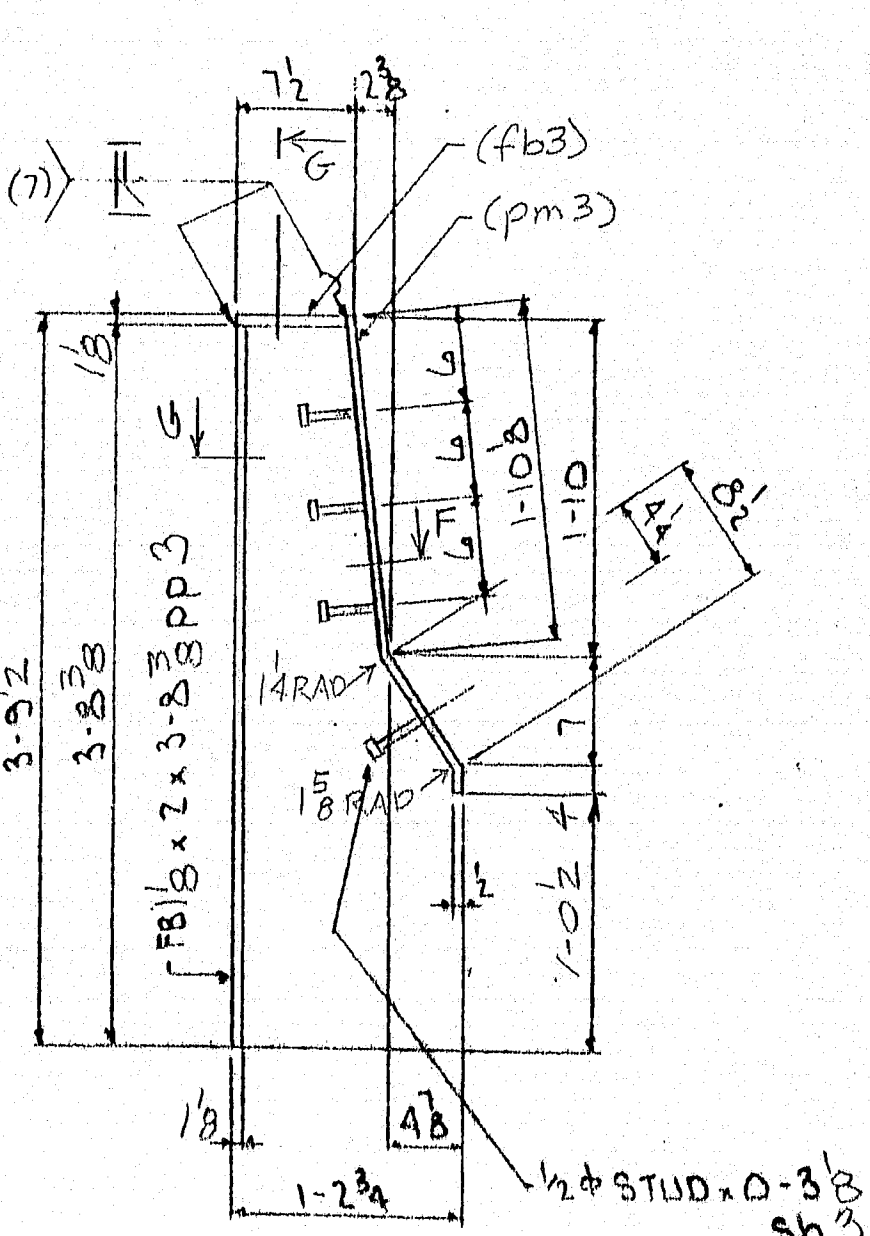
SECTION D-D



DETAIL (PF3)

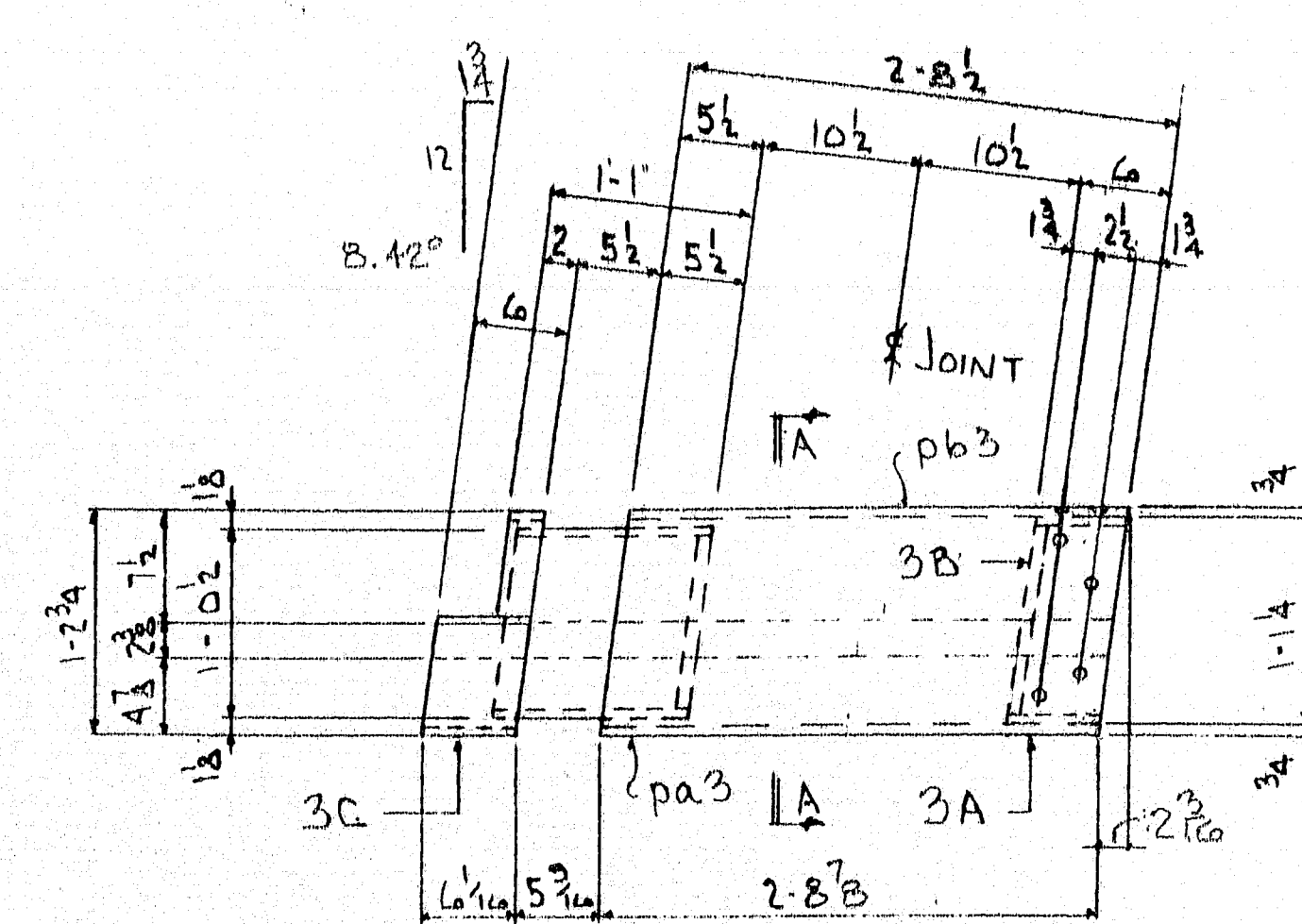


DETAIL (PK3)

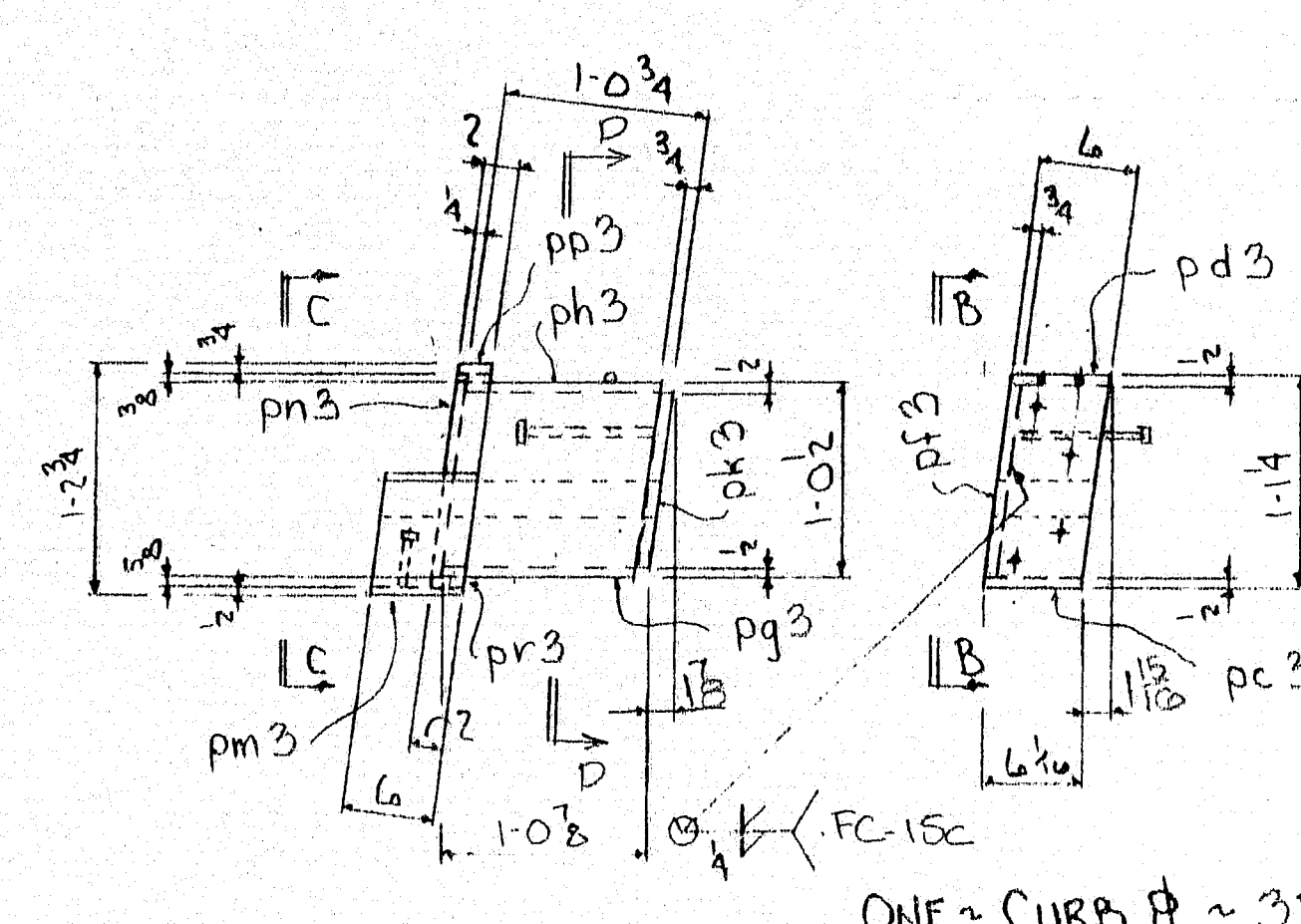


VIEW C-C

SHOP DRAWING REVIEW
HOWARD, NEEDLES, TAMMEN, & BERGENDOFF
Review is for general compliance with contract documents. Shop drawings are the responsibility of the contractor. The reviewer's responsibility is to check for compliance with contract documents. No Exemptions Taken
☒ Make Corrections Noted
☐ Amend and Resubmit
☐ Rejected - See Remarks
Date 5-14-96

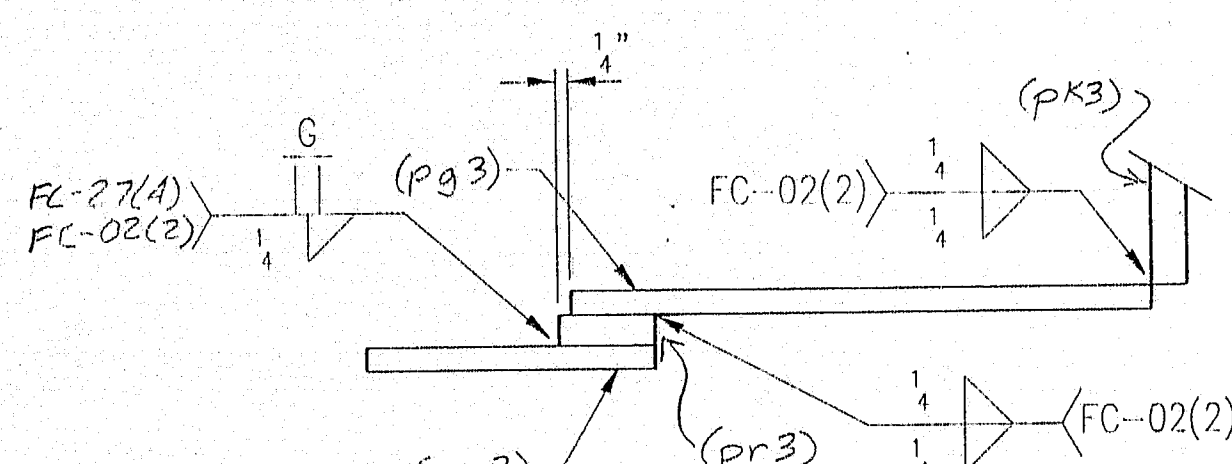


ONE ~ CURB R ~ 3A

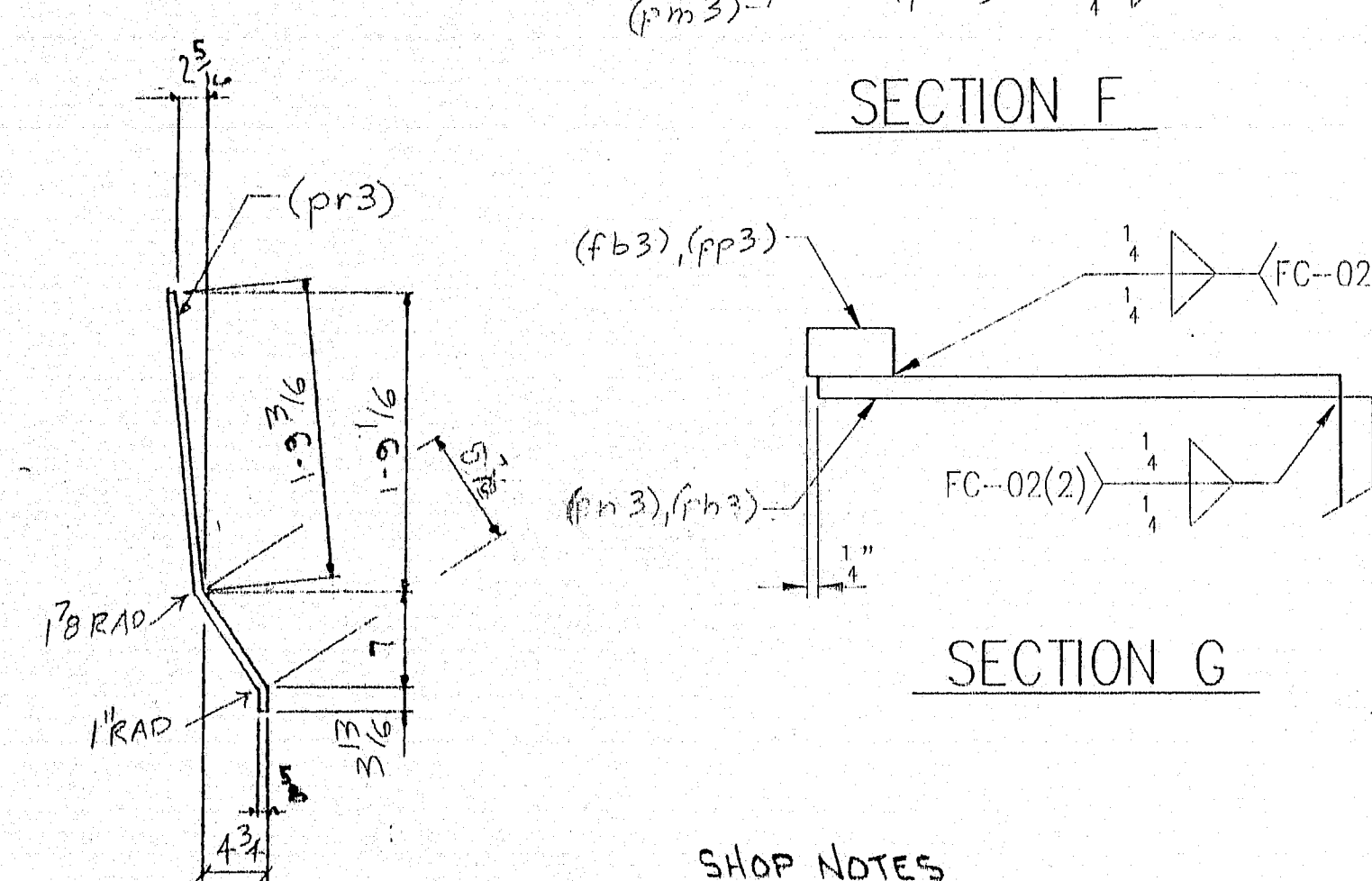


ONE ~ CURB R ~ 3B

ONE ~ CURB R ~ 3C



SECTION F



SECTION G

SHOP NOTES
1.) SEE SHT. 7 FOR LOCATION OF CURB R.
2.) SEE SHT. 1 FOR SHOP NOTES.
3.) CURB R's (3B) & (3C) ARE SHOP WELDED TO JOINT (TA). (3A) IS SHOP ATTACHED TO (3B).
4.) SEE SHT. 3a FOR DETAILS

REV.	DESCRIPTION	LENGTH	MK	REMARKS	WGHT.
1	ONE ~ CURB R ~ 3A			HOG' SHOP ATTACH TO TA	
2	R 3/4 x 3 1/2	2-9 1/2	PA3	SHAPE CUT & BEND	
3	R 3/4 x 3 1/2	3-8 3/4	PA3	SHAPE CUT	
4	PL 3/4 x 7 1/2	2-10	PV3	SHAPE CUT	
5					
6	ONE ~ CURB R ~ 3B			HOG' WELD TO JOINT	
7	R 1/2 x 7 1/2	2-9 1/2	PC3	SHAPE CUT & BEND	
8	R 1/2 x 6 1/2	3-8 1/4	PA3	SHAPE CUT	
9	R 3/4 x 12 1/2	2-8	PA3	SHAPE CUT	
10	WS 1/2 x 0-8 1/2		SA3		
11	HN 1/2 x 5 1/2		SC3		
12	HB 1/2 x 1 1/2 SS		SD3		
13	FB 1/2 x 6	0-6 1/2	FA3		
14	ONE ~ CURB R ~ 3C			HOG' WELD TO JOINT	
15	R 1/2 x 13 1/2	2-9 1/2	PA3	SHAPE CUT & BEND	
16	R 1/2 x 12 1/2	3-7 3/4	PA3	SHAPE CUT	
17	R 3/4 x 11 1/2	2-7 5/8	PA3	SHAPE CUT	
18	R 1/2 x 7 1/2	2-10 5/8	PM3	SHAPE CUT & BEND	
19	PL 1/2 x 4 7/8	1-0 3/8	PN3		
20	FB 1/2 x 7	3-8 3/8	PP3		
21	R 5/8 x 3 1/2	2-9 5/8	PR3	SHAPE CUT & BEND	
22	FB 1/2 x 2	0-7 1/2	FB3		
23					
24					
25	WS 1/2 x 0-3 1/2		SA3		
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					

123-113 DATE INT.

ANY AND ALL BACKCHARGES WILL BE REJECTED UNLESS WRITTEN CONSENT IS GIVEN BY LEWIS ENGINEERING COMPANY PRIOR TO ANY WORK PERFORMED FOR OUR ACCOUNT. SUCH REJECTION MEANS THAT INVOICES WILL NOT BE HONORED OR DEDUCTIONS FROM PAYMENT WILL BE CHARGED BACK.

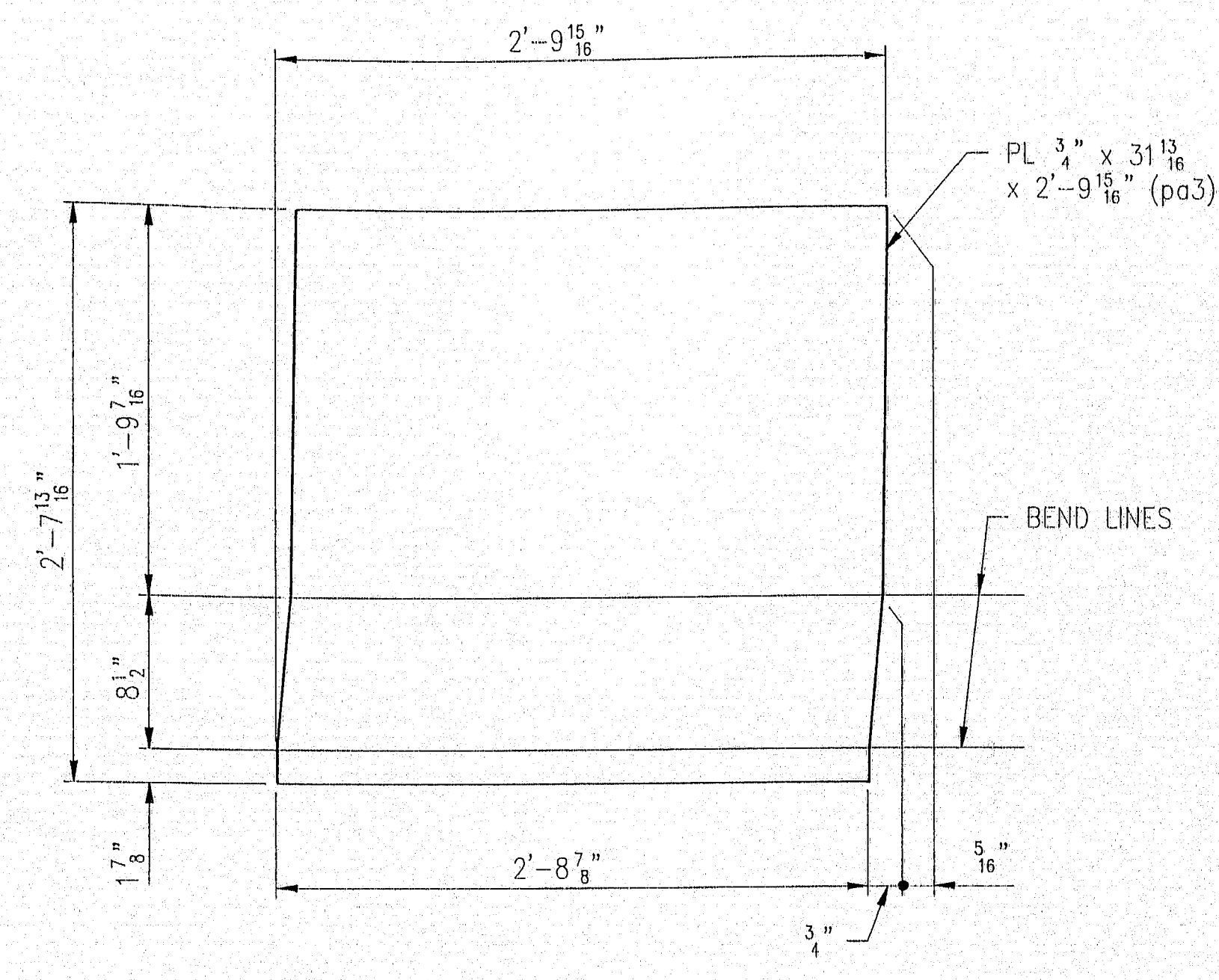
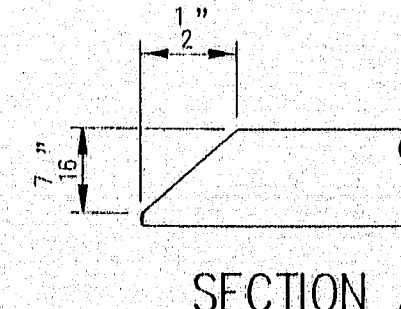
LEWIS ENGINEERING COMPANY
4201 NOREX DRIVE - CHASKA, MINNESOTA 55318 - (612) 368-3000

PROJECT - DONALD V. CARTER BRIDGE OVER KENNEBEC RIVER
STATE PROJECT - PIN 566.40
FEDERAL PROJECT - DPB-0009 (002)
CUSTOMER - CIAMBRO CORP.
LOCATION - CITY OF WATerville / WINSLOW, ME
DESCRIPTION - EXP. DEVICE - FINGER JOINT DETAILS @ ABUT'S. & PIER

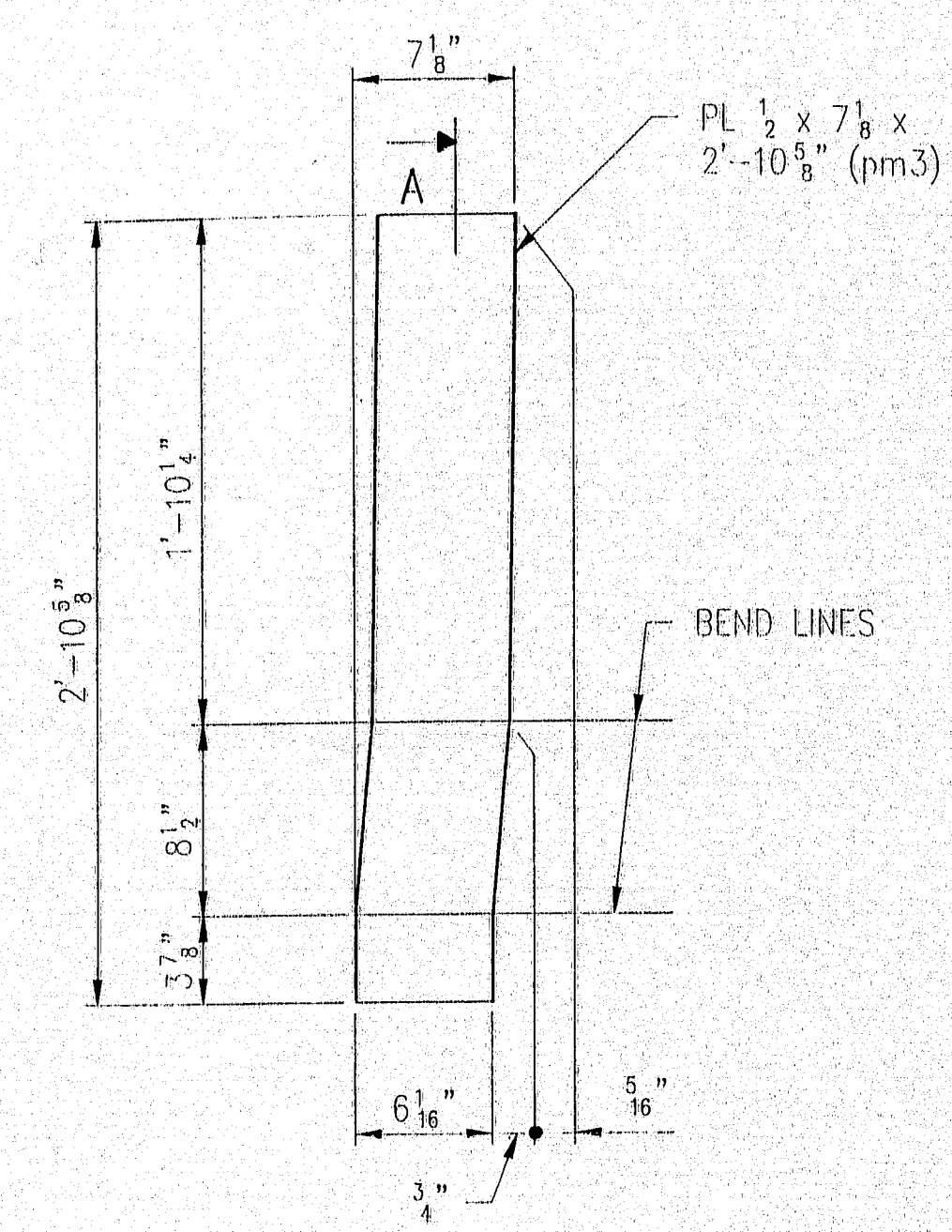
RELEASED FOR APPROVAL
BY: [Signature] DATE: 4-19-96

Drawn By: [Signature]
Chk'd. By: J.P.
Date: 10-24-96

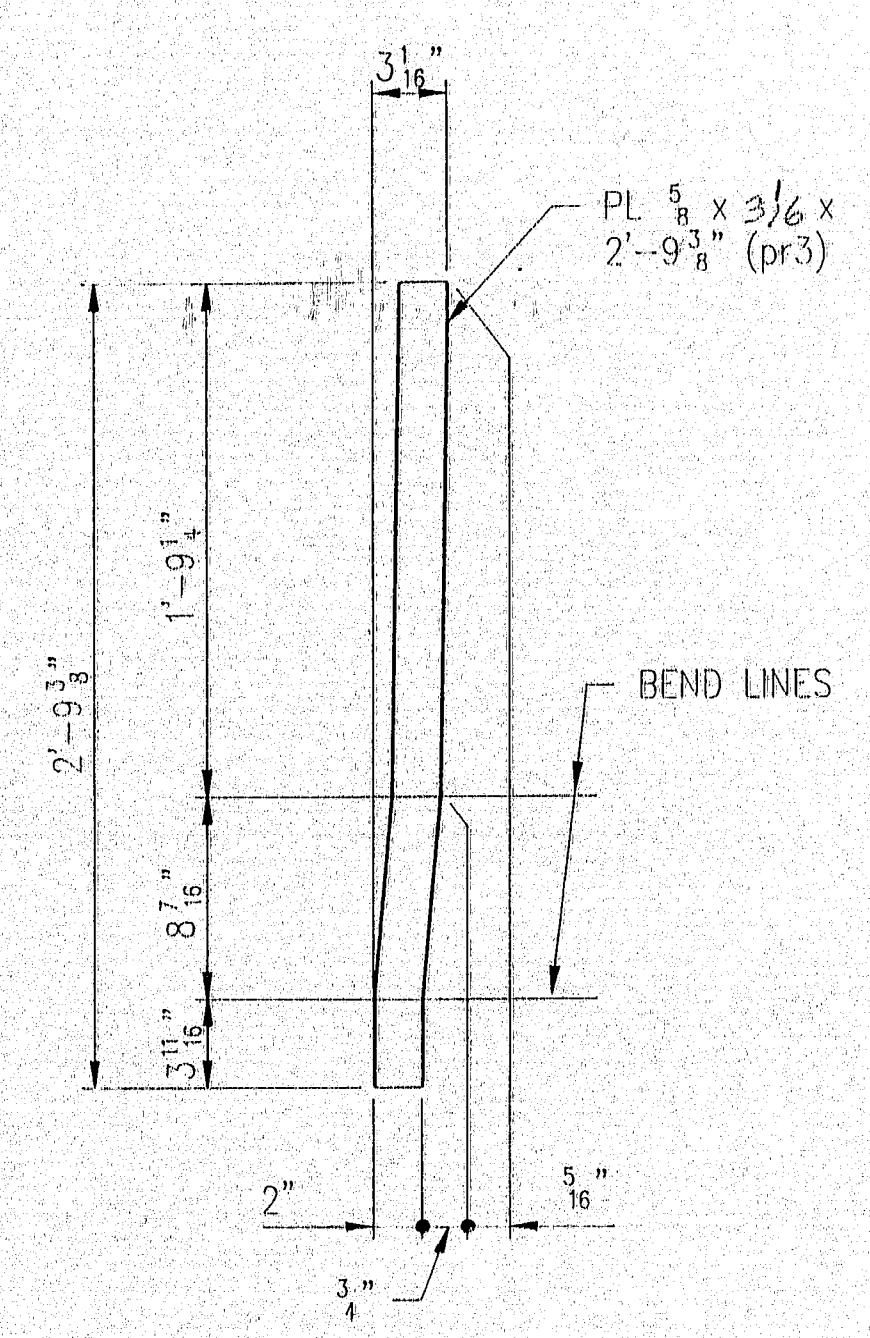
SHEET NO. 3 OF 10 Job. No.: 3505-661



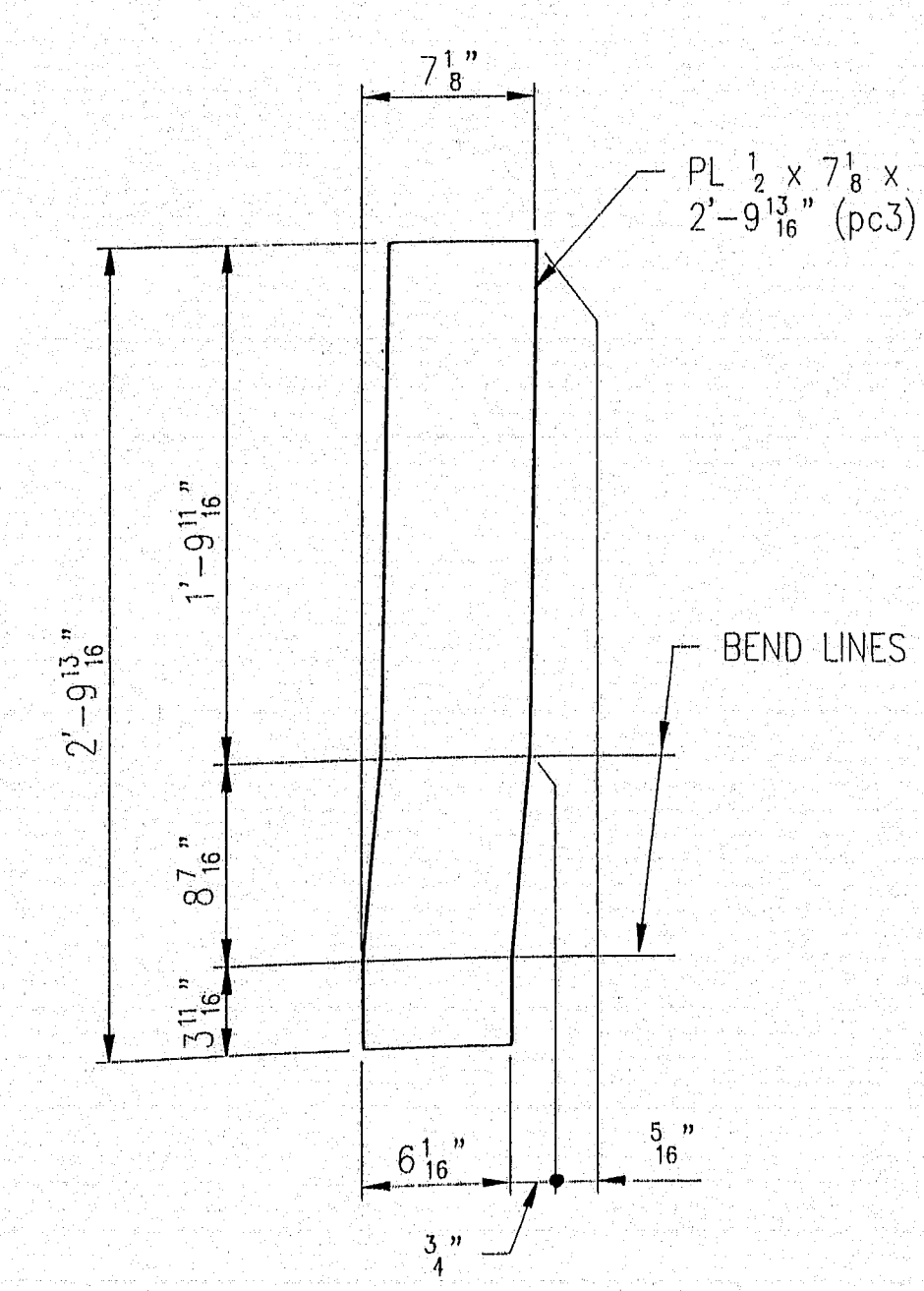
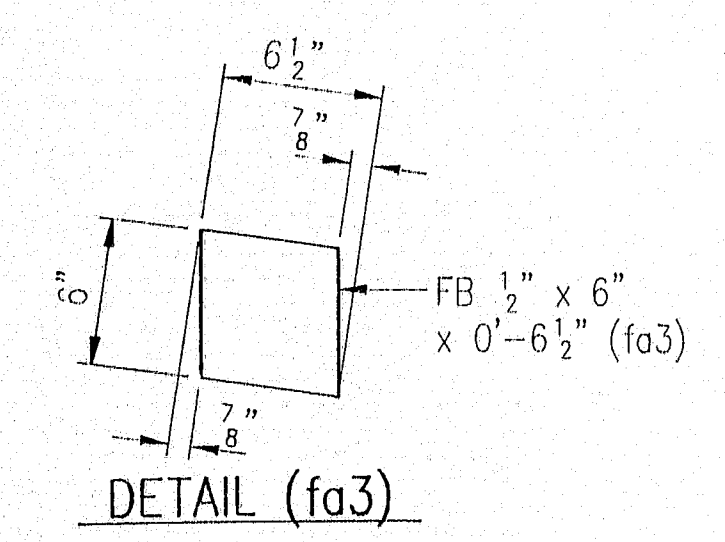
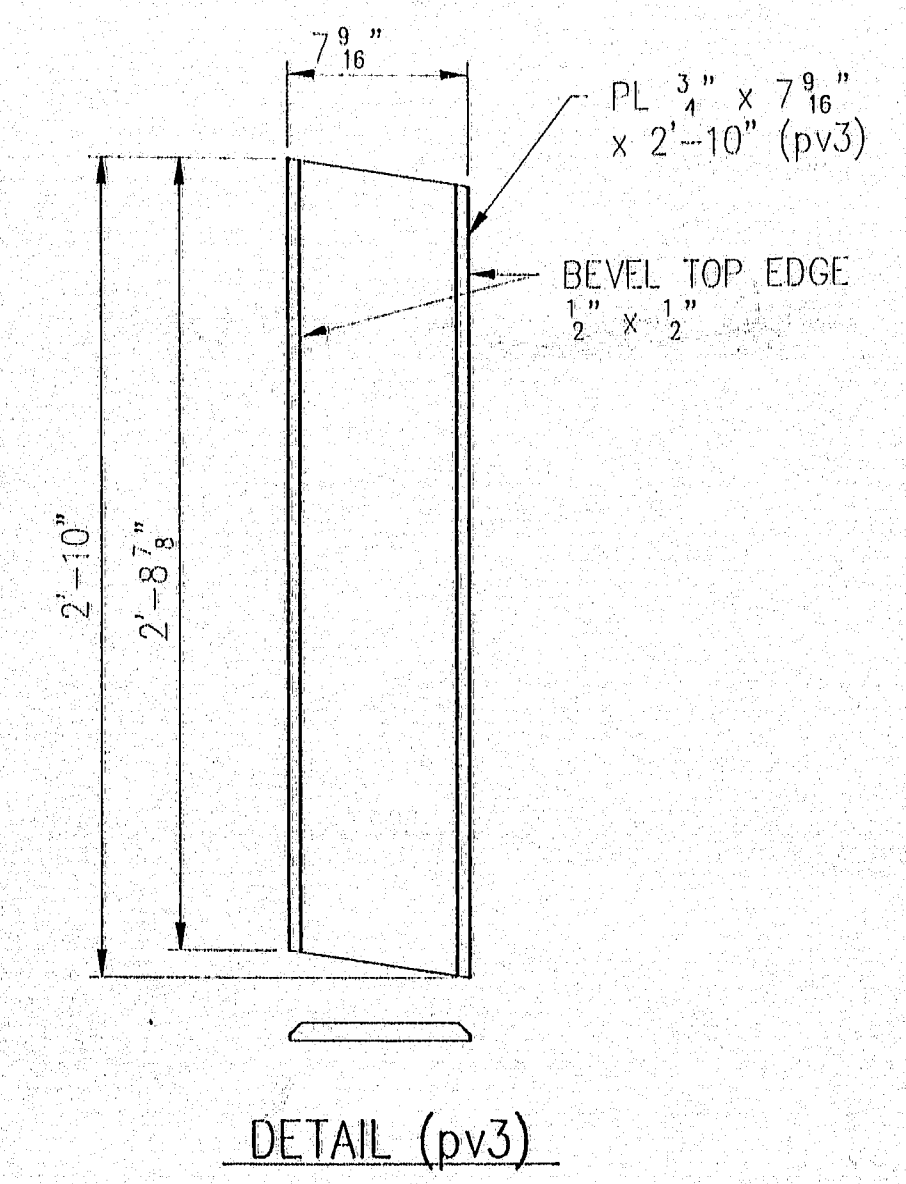
DETAIL PL (pa3)



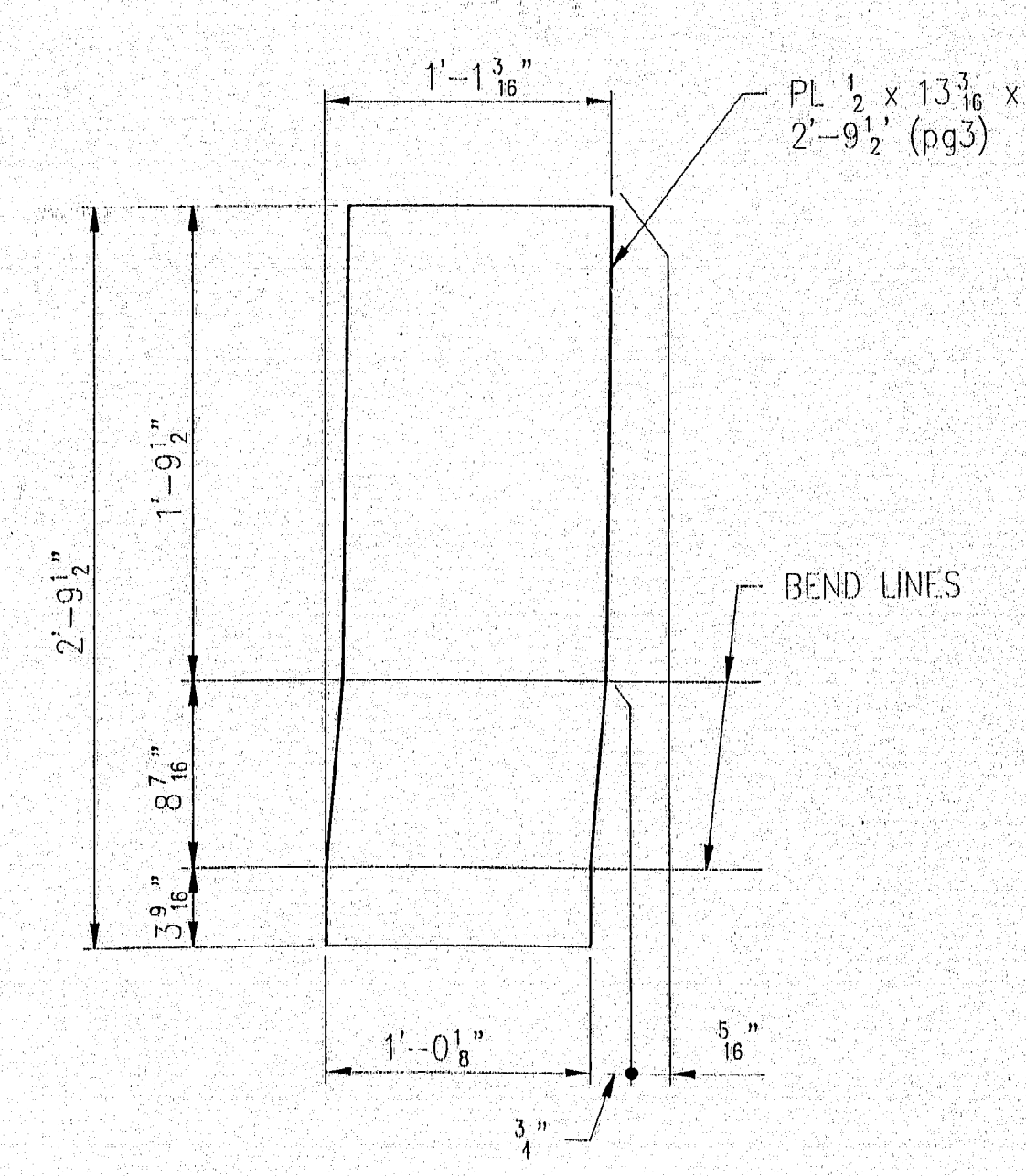
DETAIL PL (pm3)



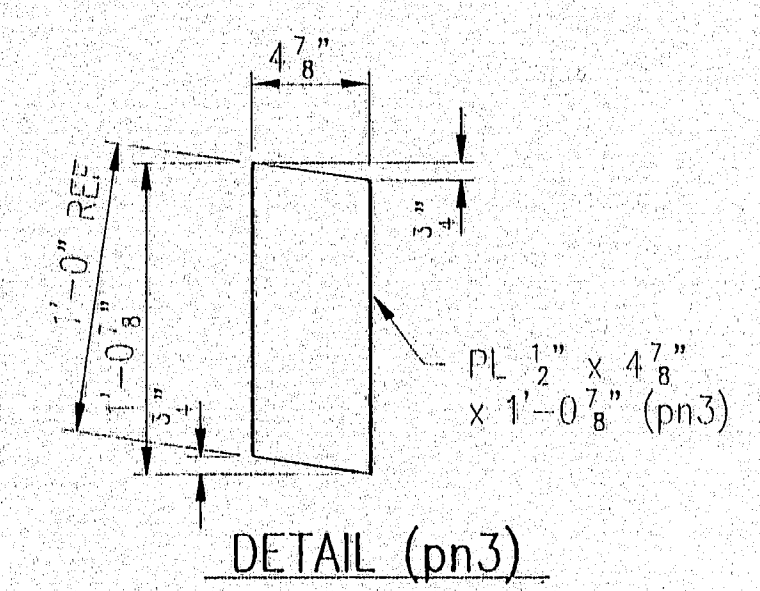
DETAIL PL (pr3)



DETAIL PL (pc3)

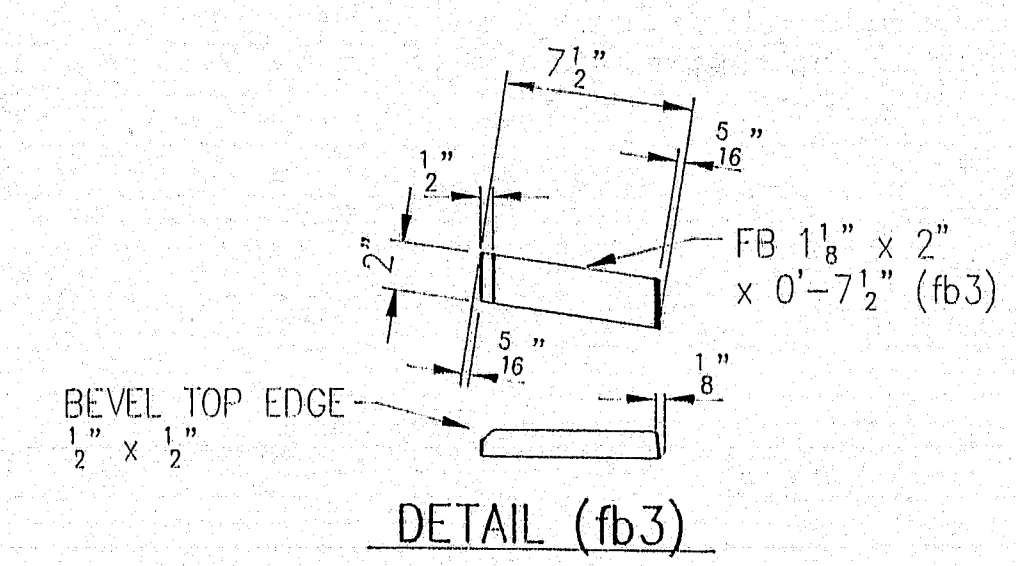


DETAIL PL (pg3)



DETAIL (pn3)

SHOP DRAWING REVIEW
 HOWARD, NEEDLES, TAMMEN, & BERGENSDORF
 Review is for general compliance with contract specifications. Review does not constitute a warranty of design, materials, quantities and safety during fabrication and erection and shall remain with the contractor.
☐ No Exceptions Taken
☒ Make Corrections Noted
☐ Amend and Resubmit
☐ Rejected - See Remarks
 By *DWB* Date *2-19-96*

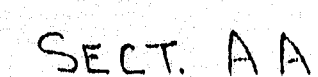


NOTE: WORK THIS SHEET WITH SHEET 3.

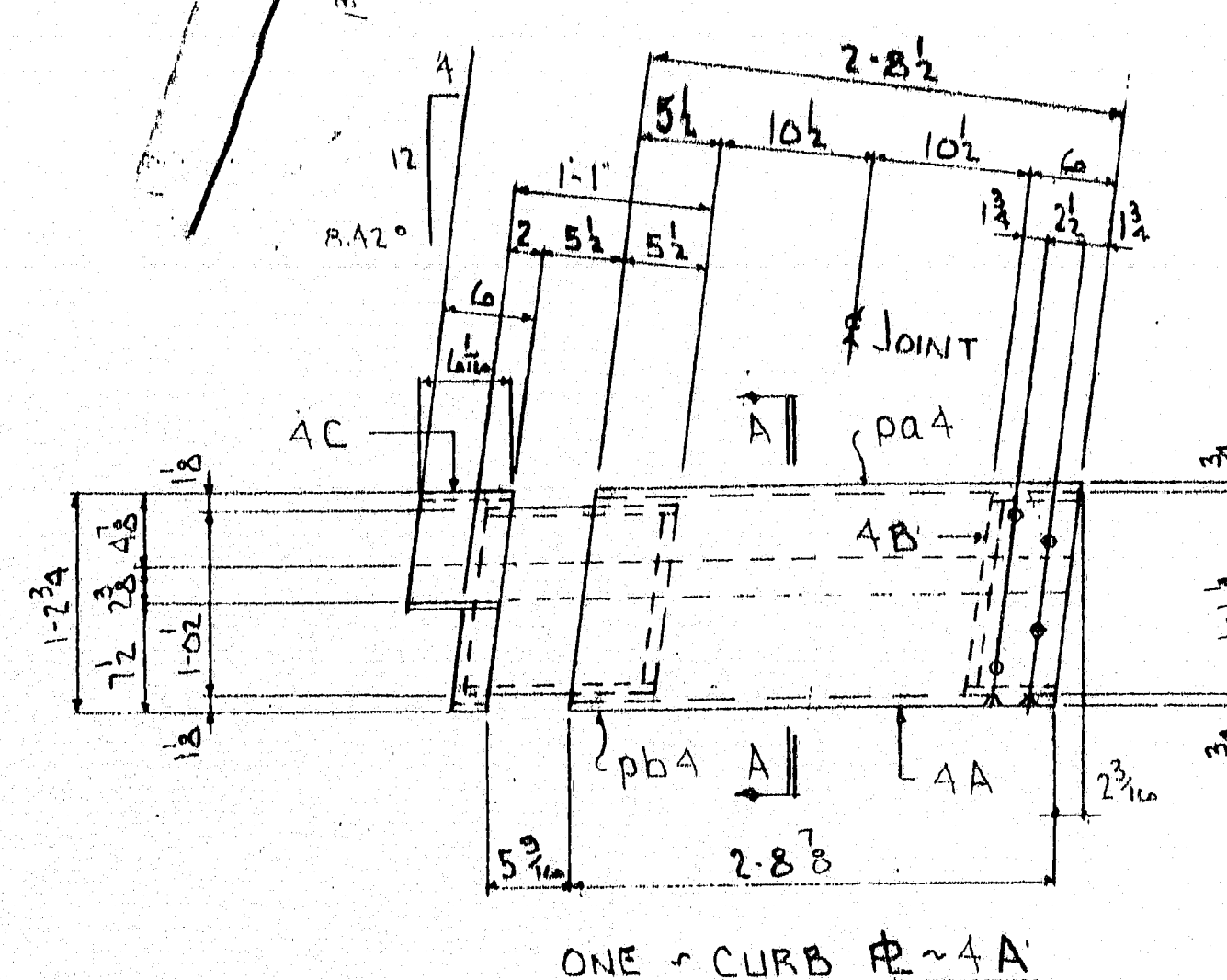
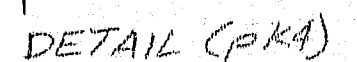
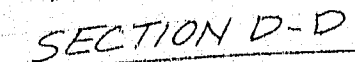
112-114

REV.	DESCRIPTION	DATE	INT.
ANY AND ALL BACKCHARGES WILL BE REJECTED UNLESS WRITTEN CONSENT IS GIVEN BY LEWIS ENGINEERING COMPANY PRIOR TO ANY WORK PERFORMED FOR OUR ACCOUNT. SUCH REJECTION MEANS THAT INVOICES WILL NOT BE HONORED OR DEDUCTIONS FROM PAYMENT WILL BE CHARGED BACK.			
LEWIS ENGINEERING COMPANY 4201 NOREX DRIVE - CHASKA, MINNESOTA 55318 - (612) 368-3000			
PROJECT	DONALD V. CARTER BRIDGE OVER KENNEBEC RIVER		
STATE PROJECT	PIN 566.40		
FEDERAL PROJECT	DPB-0009(002)	RELEASED FOR APPROVAL BY <i>KN</i> DATE <i>4-9-96</i>	
CUSTOMER	CIAMBRO CORP.		
LOCATION	CITY OF WATERVILLE/WINSLOW, ME		
DESCRIPTION	EXPANSION DEVICE BARRIER DETAILS		
SHEET NO. 3 of 10		Job. No. : 3505-61	

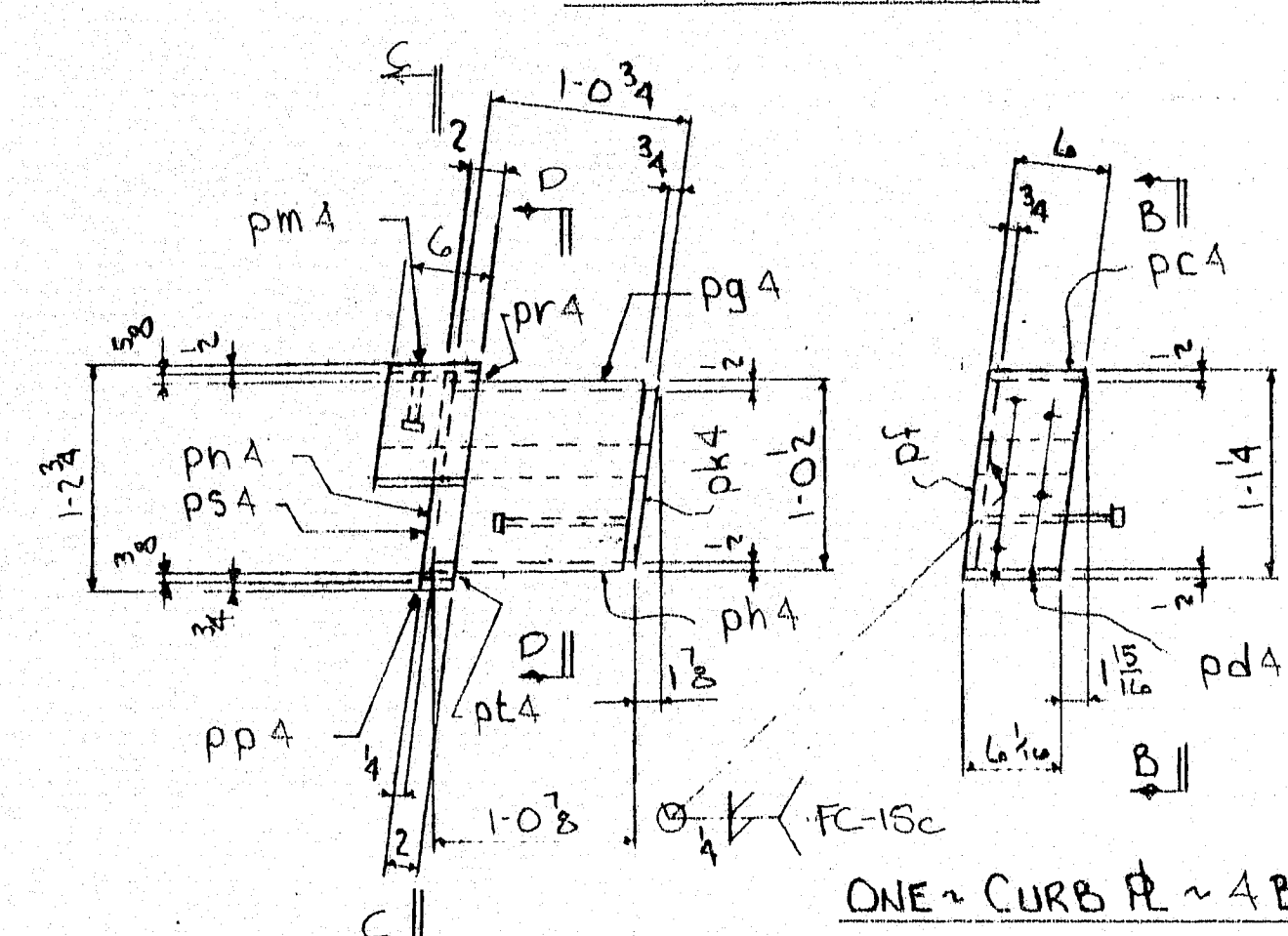
Drawn By *JDK*
 Chk'd. By *SCS*
 Date: *2-2-96*



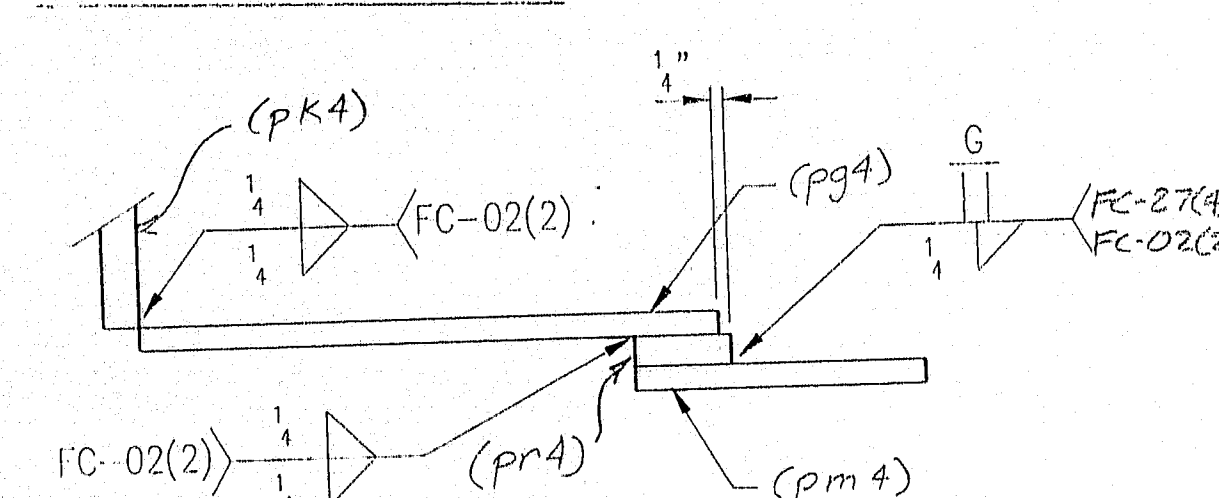
NOTE:
ALL HOLES ARE ALT. SPA'S
9/16" ϕ HOLES
CTSK 1/16" BELOW FLUSH
BOLT. 4A TO 4B WITH HB 1/2 ϕ x 1/2 SS (Std 4)
(MATERIAL DR W/PCA 3/4 1A)



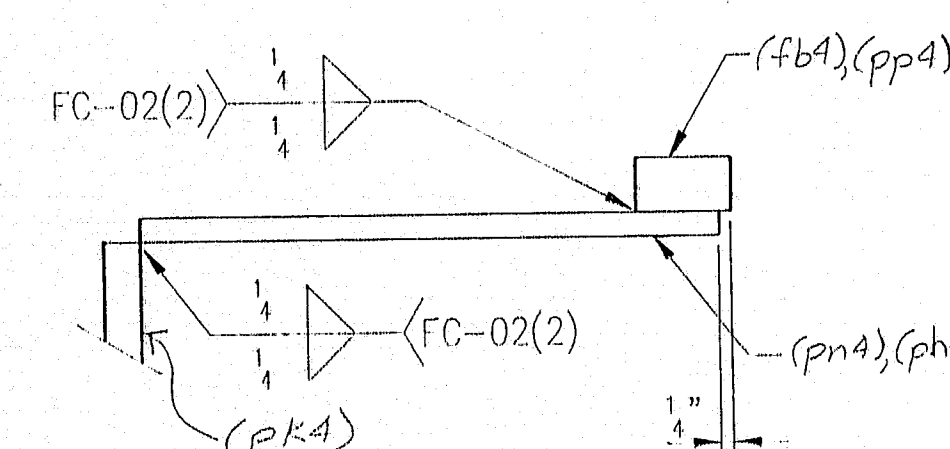
ONE ~ CURB $\Phi \sim 4A$



ONE ~ CURB Φ ~ 4C



SECTION F



SECTION G

SHOP NOTES

- 1.) SEE SHT. 7 FOR LOCATION OF CURB R.
- 2.) SEE SHT. 1 FOR SHOP NOTES.
- 3.) CURB R's (4B) & (4C). ARE SHOP WELDED TO JOINT (7B). (3A) IS SHOP ATTACHED TO (3B).
- 4.) SEE SHT. 4a FOR DETAILS.

LINE	NO. REV'D	DESCRIPTION	LENGTH	MK	REMARKS	WGT.
1		ONE ~ CURB R ~ 4A			HOG SHOP ATTACH TO 7B	
2	1	R 3/4 x 13 1/6	2-9 15/16	PA4	SHAPE CUT & BEND	
3	1	R 3/4 x 32 5/8	3-8 3/4	PA4		
4	1	FL 3/4 x 7 9/16	2-10	PVA	SHAPE CUT	
5						
6		ONE ~ CURB R ~ 4B			HOG/WELD TO JOINT	
7	1	R 1/2 x 7 1/6	2-9 13/16	PA4	SHAPE CUT & BEND	
8	1	R 1/2 x 6 1/8	3-8 1/4	PA4		
9	1	R 3/4 x 17 3/8	2-8	PA4	SHAPE CUT	
10	4	WS 1/2 x 0-8 3/8		SA4		
11	20	HN 1/2 x SS		SA4		
12	20	HB 1/2 x 1 1/2 SS		SA4		
13	1	FB 1/2 x 6	0-6 1/2	FA4		
14		ONE ~ CURB R ~ 4C			HOG/WELD TO JOINT	
15	1	R 1/2 x 13 3/6	2-9 1/2	PA4	SHAPE CUT & BEND	
16	1	R 1/2 x 17 1/8	3-7 7/8	PA4		
17	1	R 3/4 x 11 5/8	2-7 5/8	PA4	SHAPE CUT	
18	1	R 1/2 x 17 1/8	2-10 5/8	PA4	SHAPE CUT & BEND	
19	1	FL 1/2 x 4 7/8	1-0 7/8	PA4		
20	1	FB 1/8 x 2	3-8 3/8	PA4		
21	1	R 5/8 x 3 1/6	2-9 5/8	PA4	SHAPE CUT & BEND	
22	1	FB 1/8 x 2	0-7 1/2	FA4		
23						
24	4			SA4		
25	4	WS 1/2 x 0-3 1/8		SA4		
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						

REV. DESCRIPTION

ANY AND ALL BACKCHARGES WILL BE REJECTED UNLESS WRITTEN CONSENT IS GIVEN BY LEWIS ENGINEERING COMPANY PRIOR TO ANY WORK PERFORMED FOR OUR ACCOUNT. SUCH REJECTION MEANS THAT INVOICES WILL NOT BE HONORED OR DEDUCTIONS FROM PAYMENT WILL BE CHARGED BACK TO THE CLIENT.

123-115

DATE

PROJECT - DONALD V. CARTER BRIDGE OVER KENNEBEC RIVER

STATE PROJECT - PIN 566.40

FEDERAL PROJECT - DPB-0009 (002)

CUSTOMER - CIANBRO CORP.

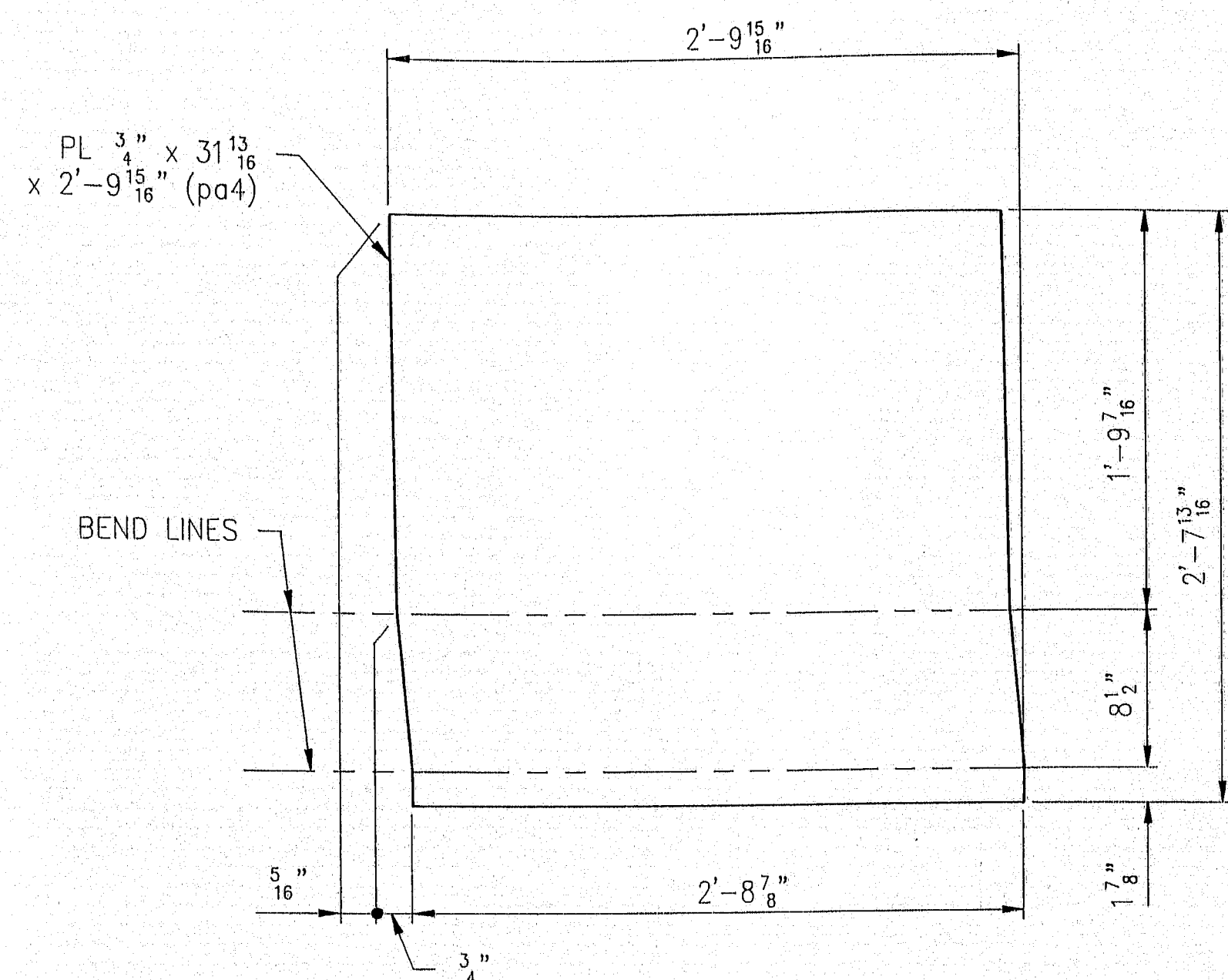
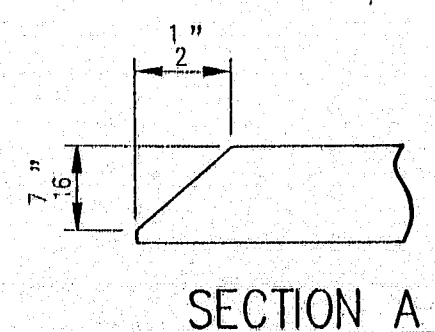
LOCATION - CITY OF WATERTOWN / WINSLOW, ME

DESCRIPTION - EXP. DEVICE-FINGER JOINT DETAILS @ ABUTTS & PIER

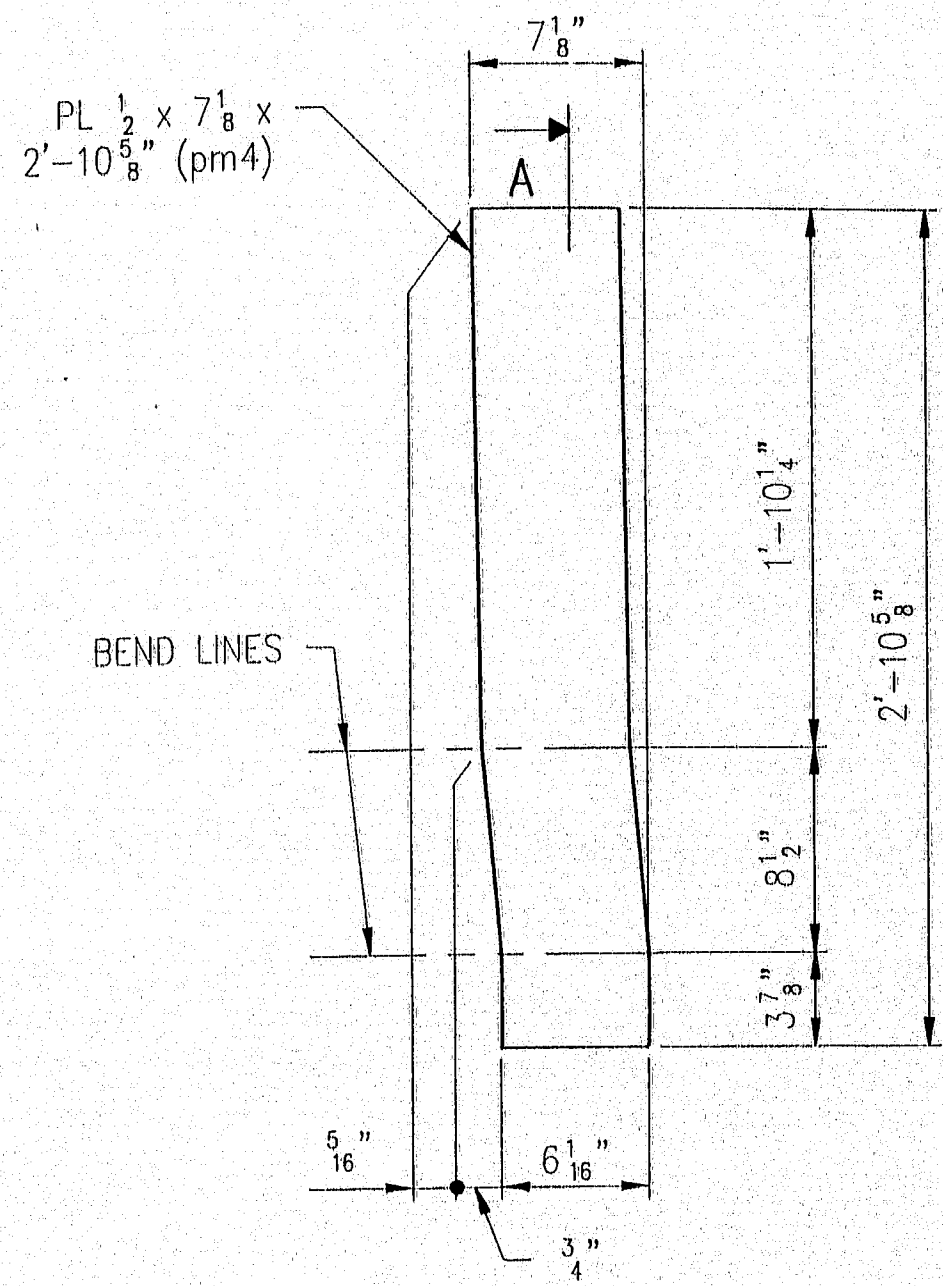
RELEASED FOR APPROVAL BY *[Signature]* DATE 4-19-96

SHEET NO. 4 OF 10

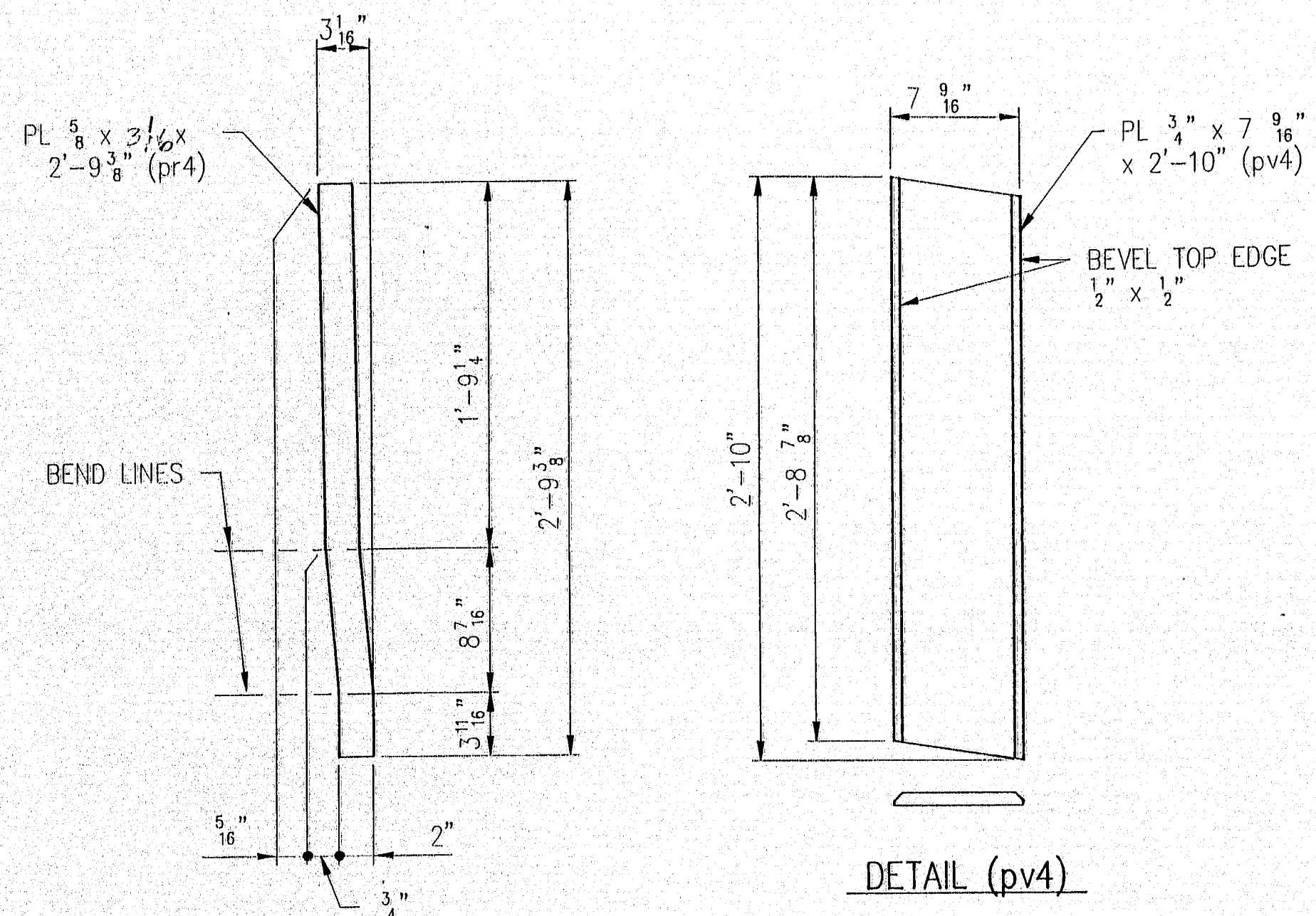
Job. No. : 3505-6



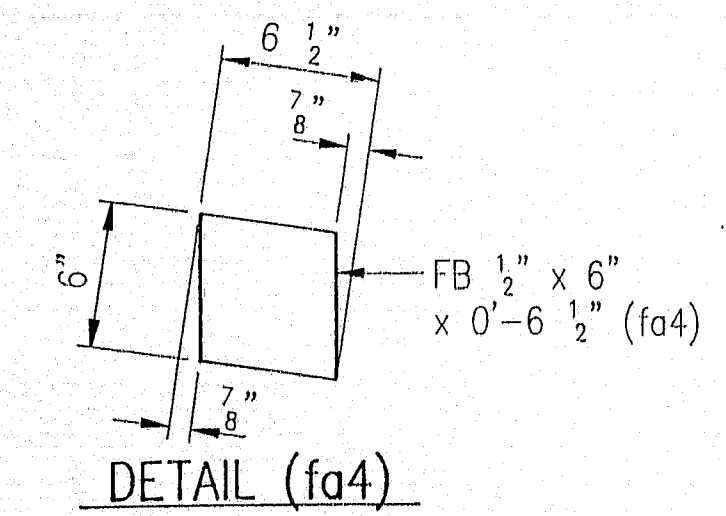
DETAIL PL (pq4)



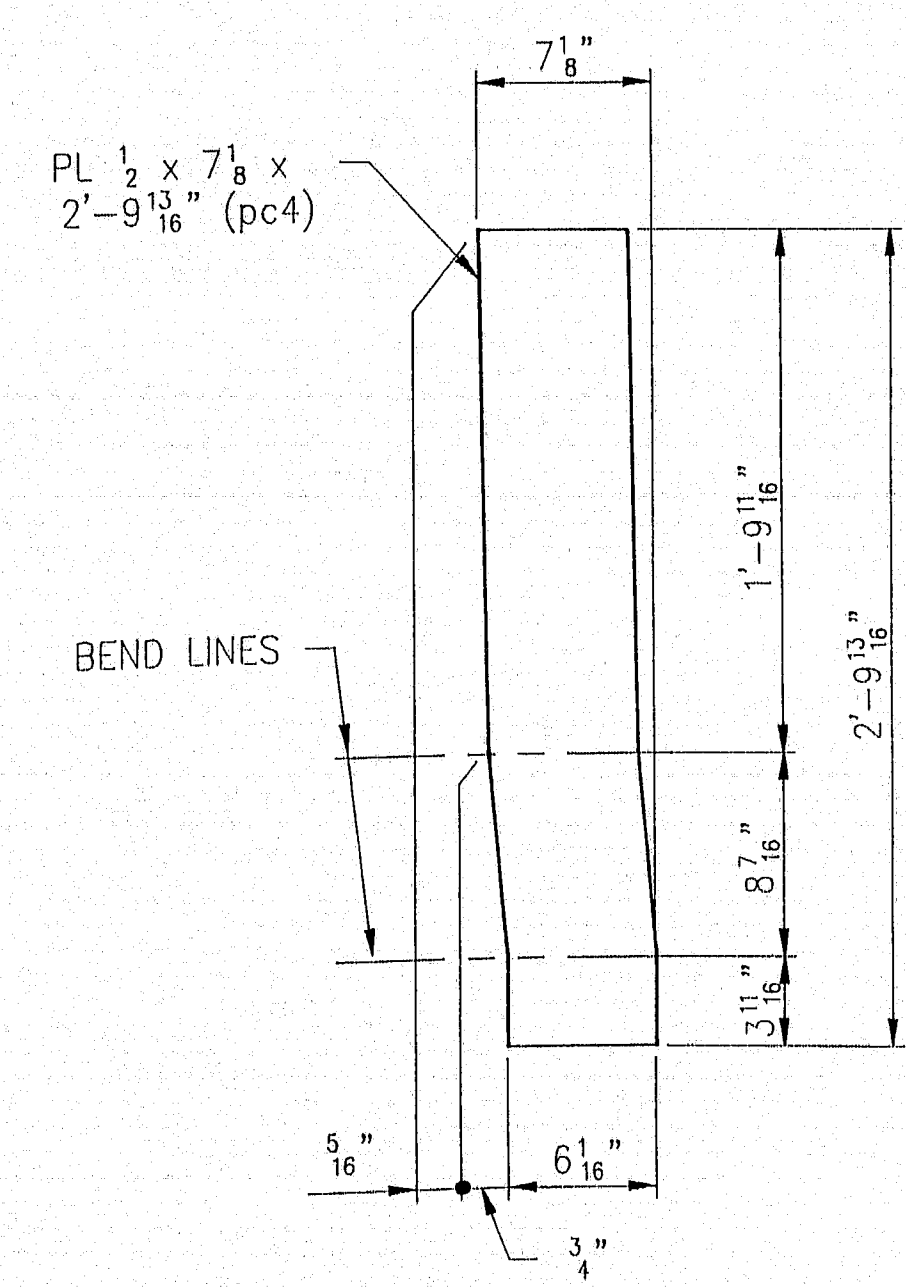
DETAIL PL (pm4)



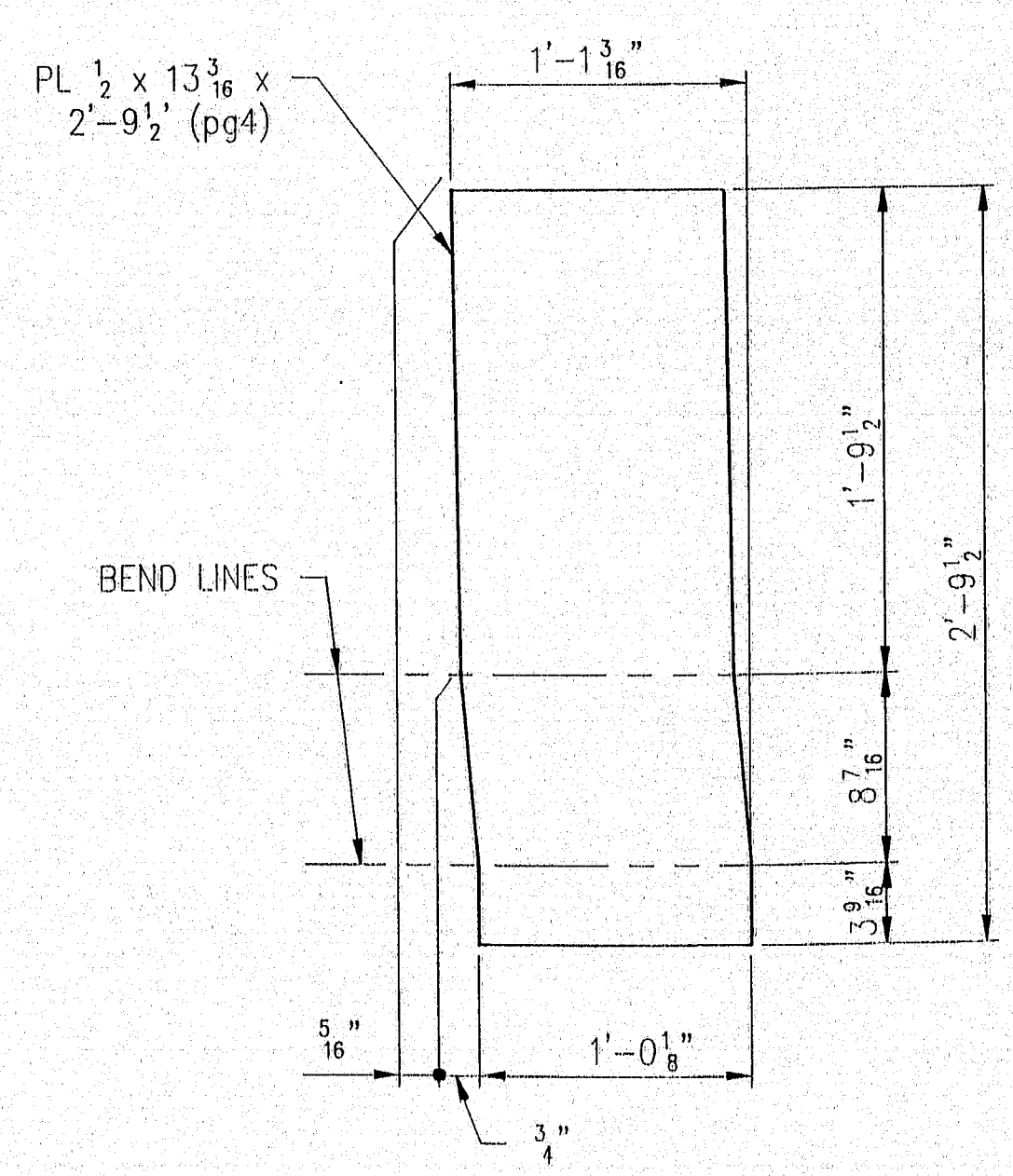
DETAIL PL (pr4)



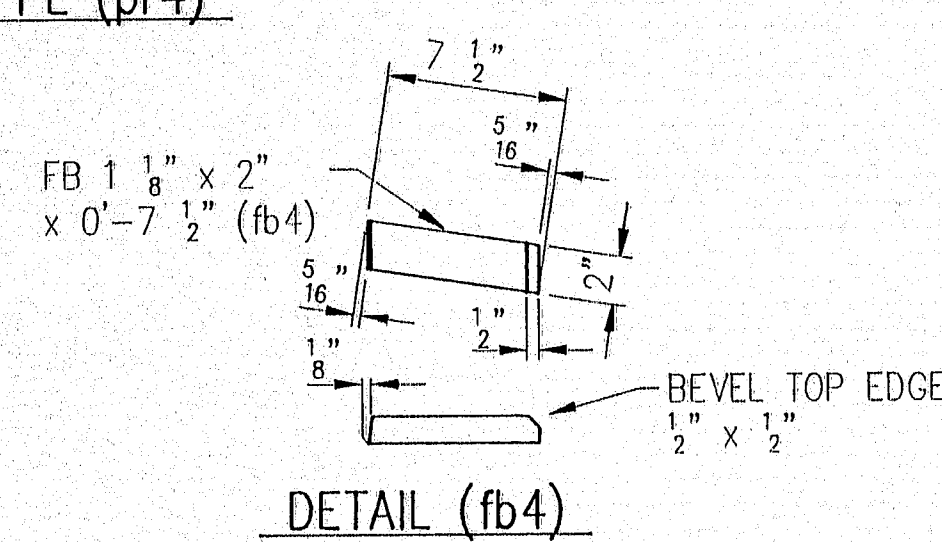
DETAIL (fa4)



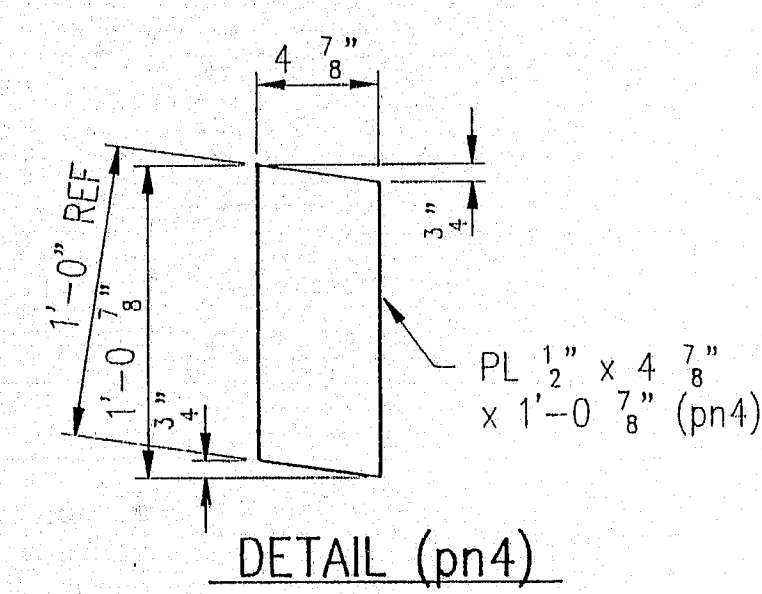
DETAIL PL (pc4)



DETAIL PL (pg4)



DETAIL (fb4)



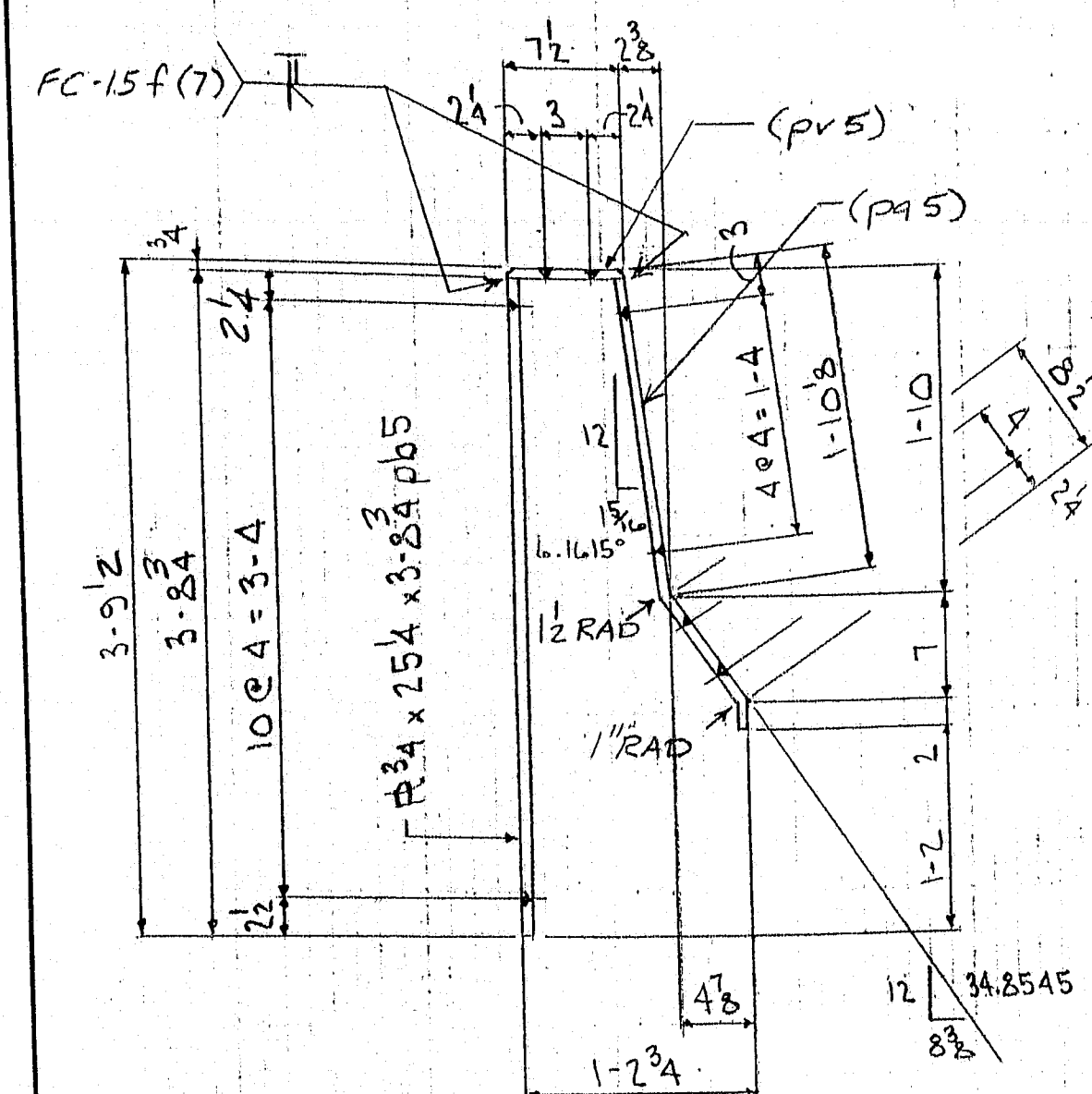
DETAIL (pn4)

SHOP DRAWING REVIEW
HOWARD, NEEDLES, TAMMEN, & BERGENDOFF
Review for general compliance with contract documents. Make necessary corrections at discretion of design engineer and submit during construction and coordinate with the Contractor.
☐ No Exceptions Taken
☒ Make Corrections Noted
☐ Amend and Resubmit
☐ Rejected - See Remarks
By: *[Signature]* Date: 5-14-96
See Sheet 1a

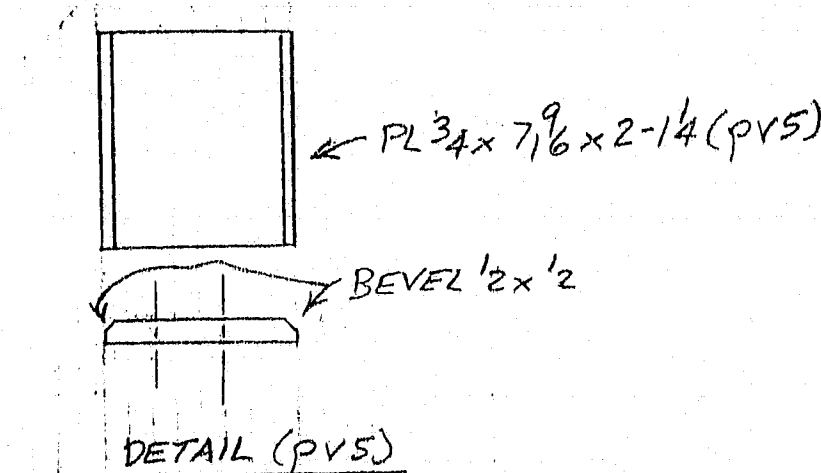
NOTE: WORK THIS SHEET WITH SHEET 4.

123-116

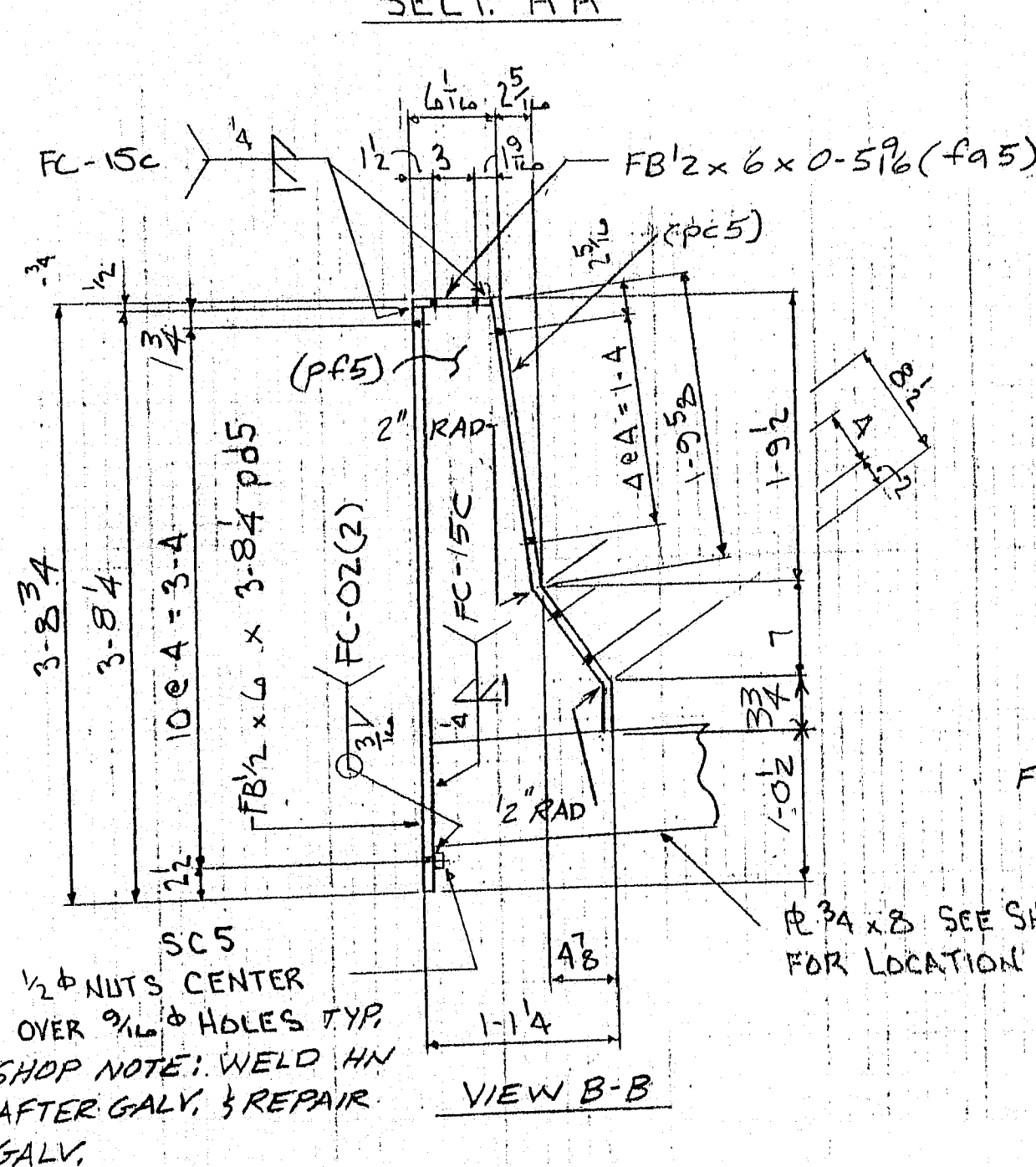
REV.	DESCRIPTION	DATE	INT.
<p>ANY AND ALL BACKCHARGES WILL BE REJECTED UNLESS WRITTEN CONSENT IS GIVEN BY LEWIS ENGINEERING COMPANY PRIOR TO ANY WORK PERFORMED FOR OUR ACCOUNT. SUCH REJECTION MEANS THAT INVOICES WILL NOT BE HONORED OR DEDUCTIONS FROM PAYMENT WILL BE CHARGED BACK.</p>			
<p>LEWIS ENGINEERING COMPANY 4201 NOREX DRIVE - CHASKA, MINNESOTA 55318 - (612) 368-3000</p>			
PROJECT	DONALD V. CARTER BRIDGE OVER KENNEBEC RIVER		
STATE PROJECT	PIN 566.40		
FEDERAL PROJECT	DPB-0009(002)	RELEASED FOR APPROVAL BY: <i>[Signature]</i> DATE: 4-19-96	
CUSTOMER	CIAMBRO CORP.		
LOCATION	CITY OF WATERVILLE/WINSLOW, ME		
DESCRIPTION	EXPANSION DEVICE BARRIER DETAILS		
		Drawn By: JOK	
		Chk'd. By: <i>[Signature]</i>	
		Date: 2-2-96	
SHEET NO. 4a OF 10		Job. No.: 3505-61	



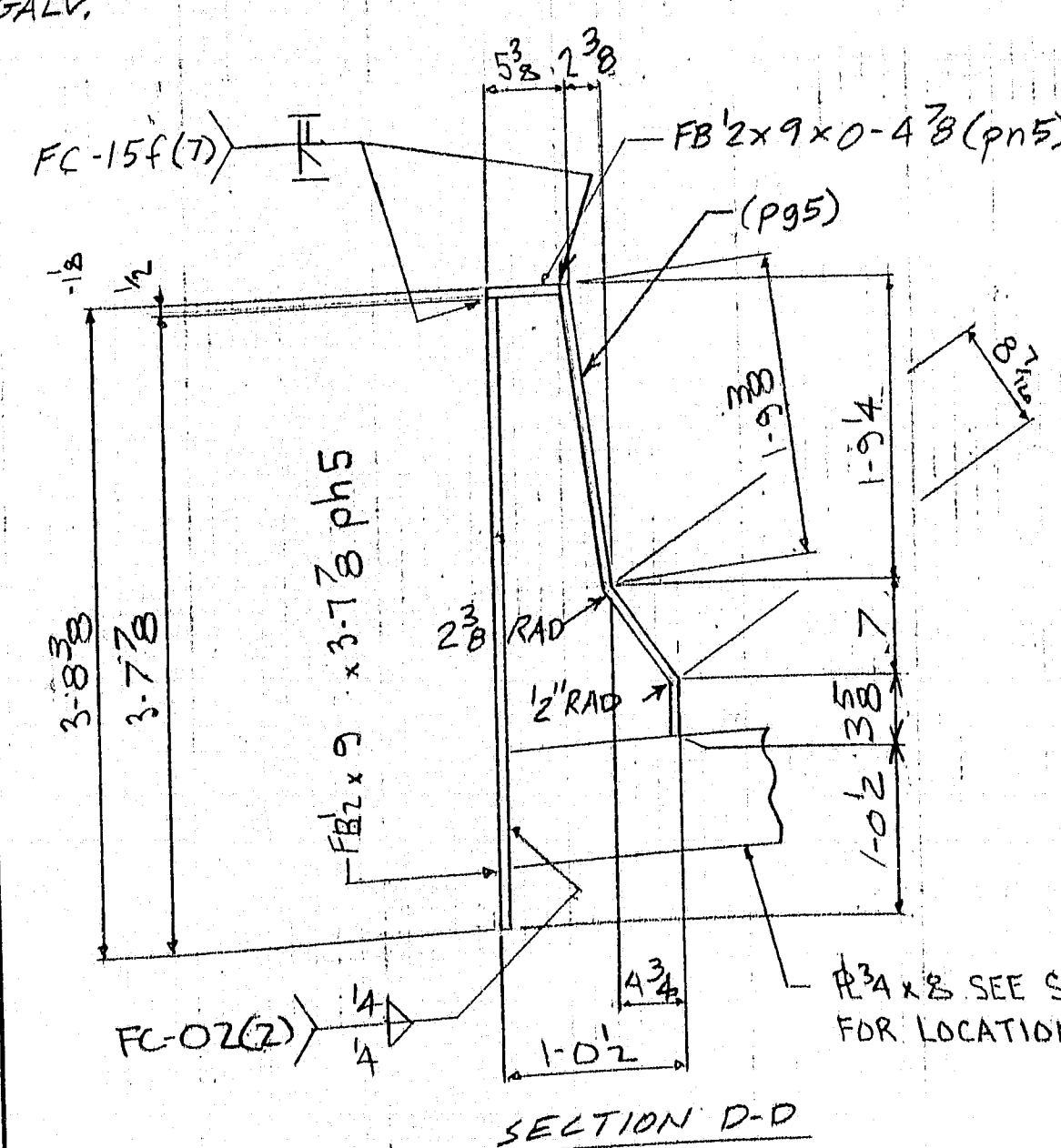
SECTION AA



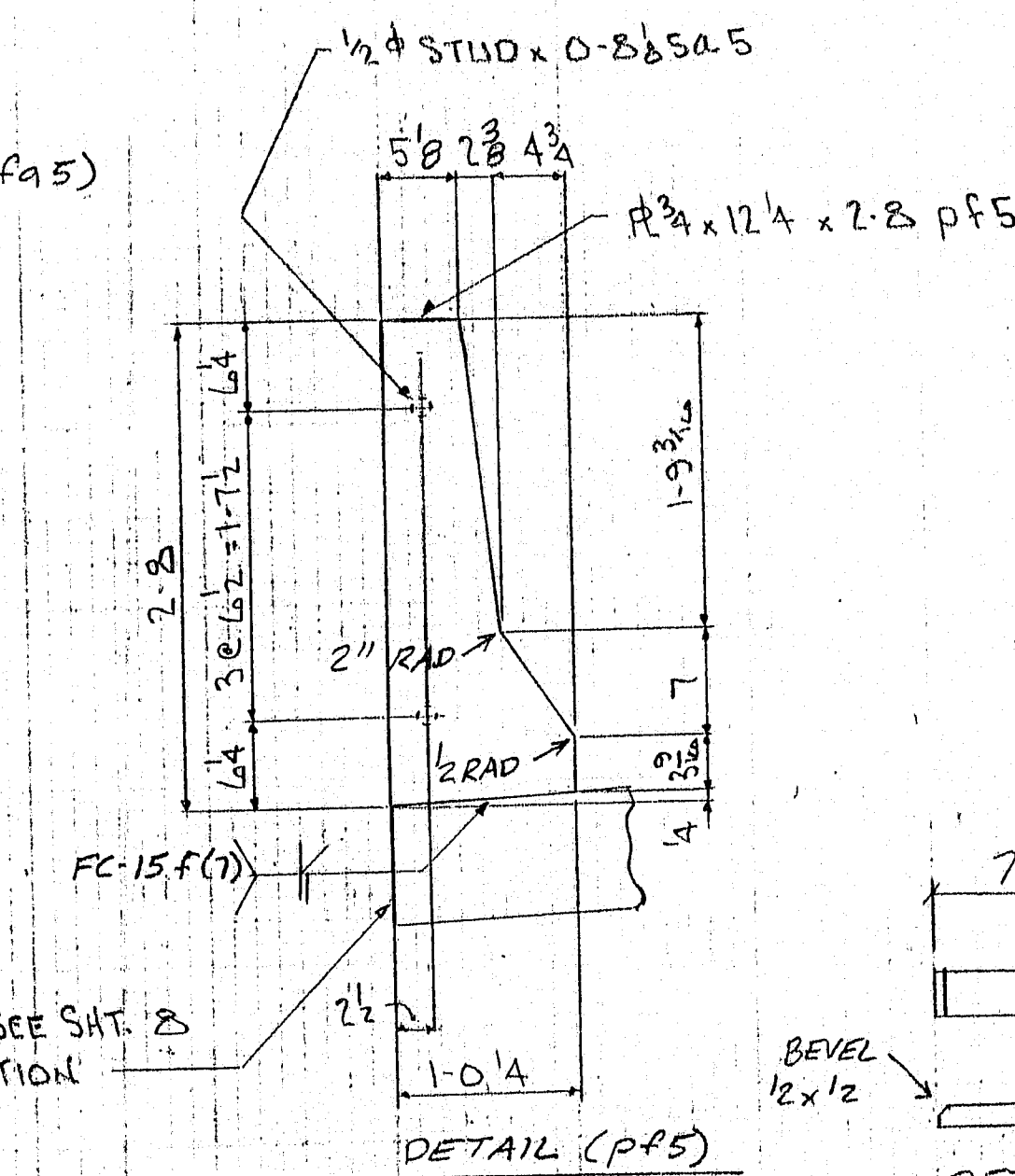
NOTE:
ALL HOLES ARE ALT. SPAN'S
9/16" Ø HOLES
CUTS 1/16" BELOW FLUSH
BOLT 5A TO 5B WITH HB 1/2 x 1/2 SS (SD5)
(MATCH DR. W/ PCS 3 & 4S)



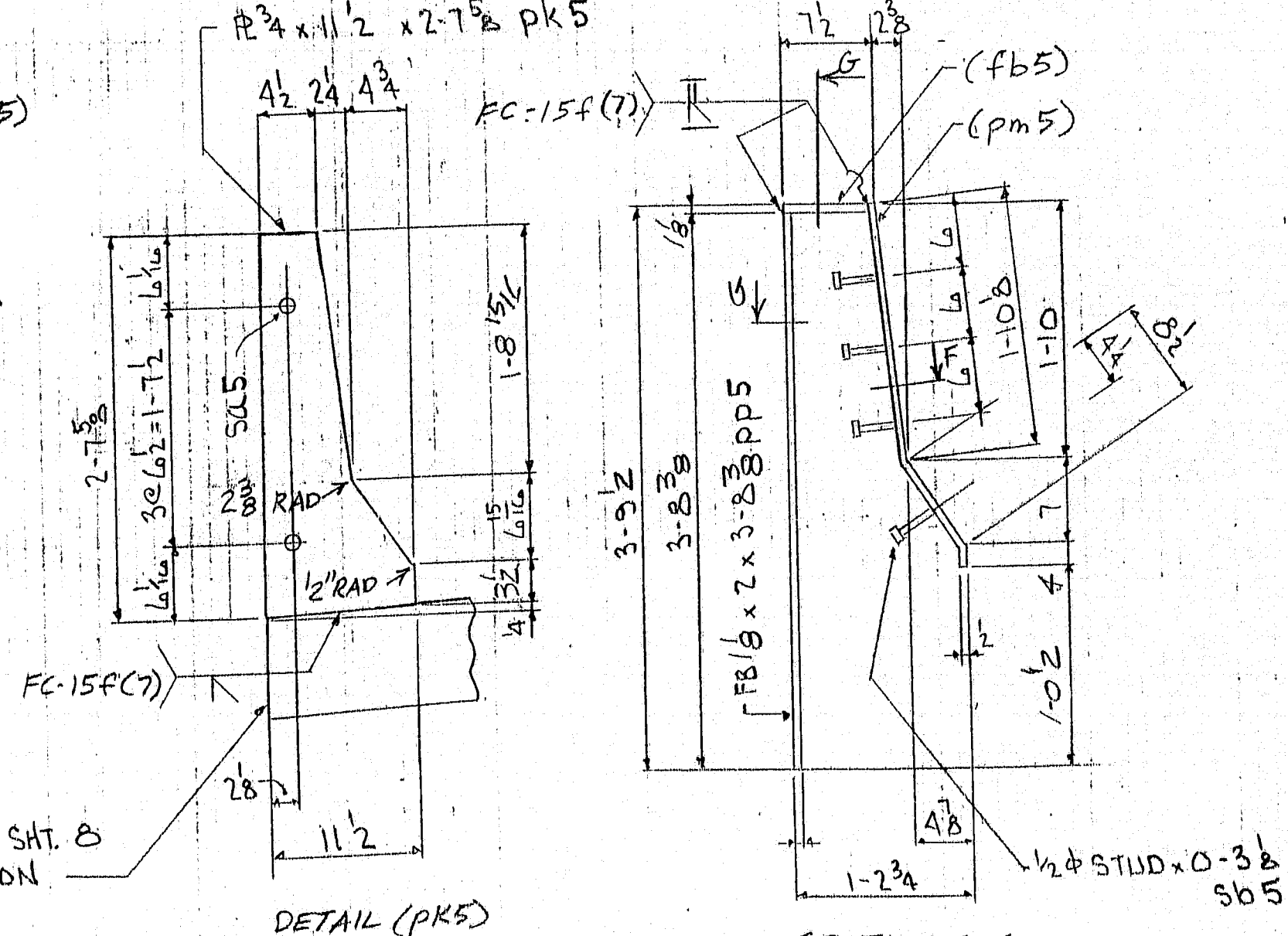
VIEW B-B



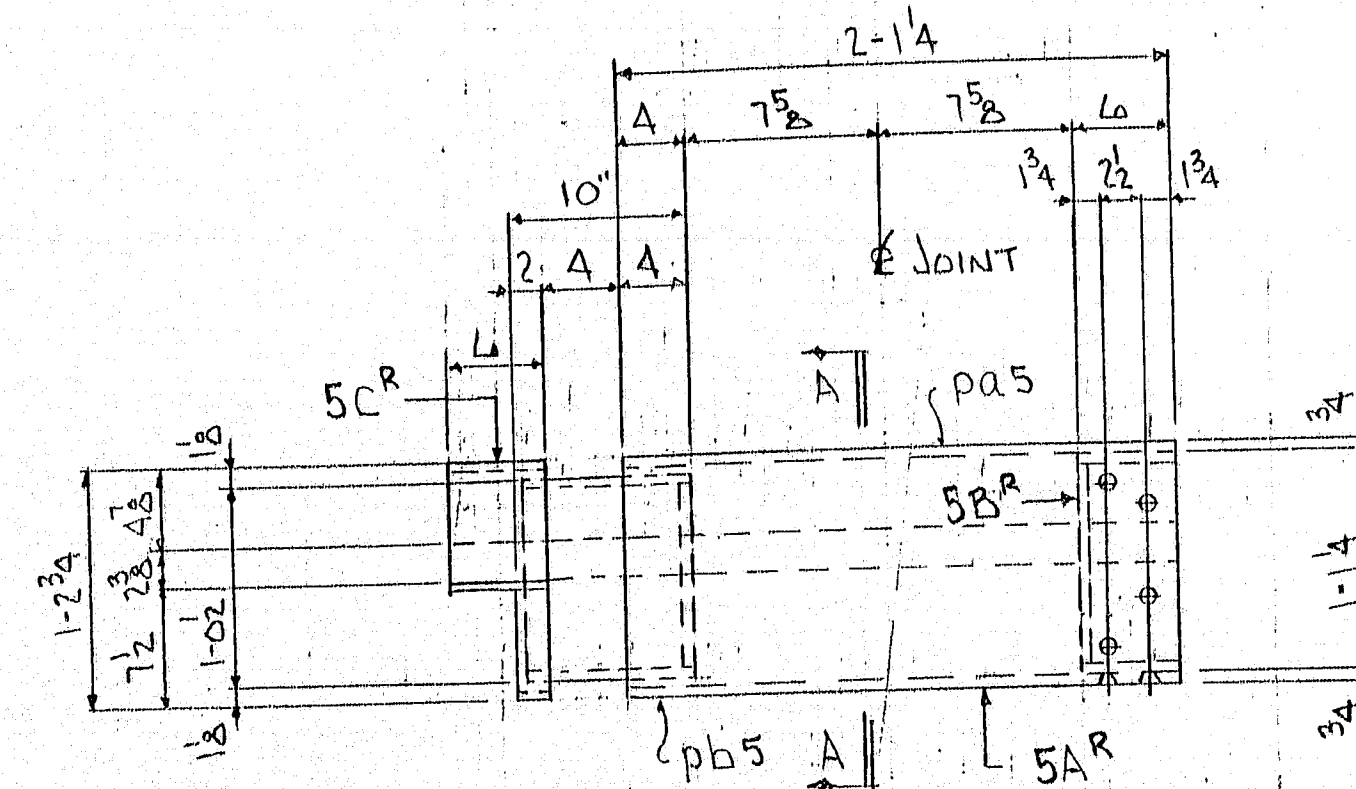
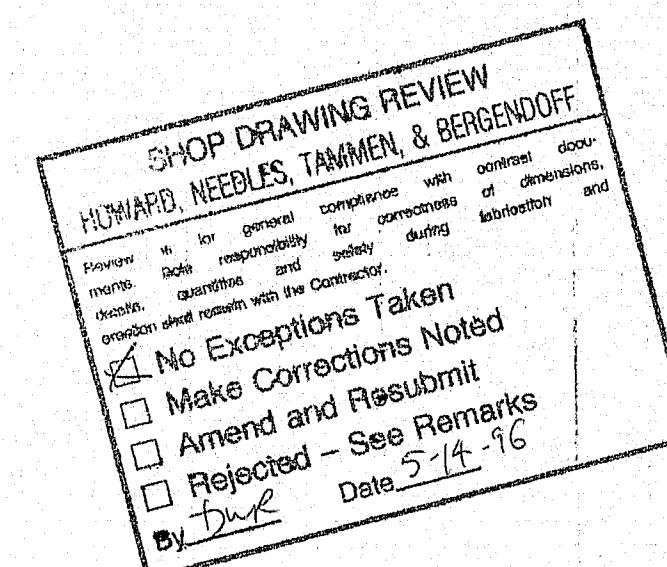
SECTION D-D



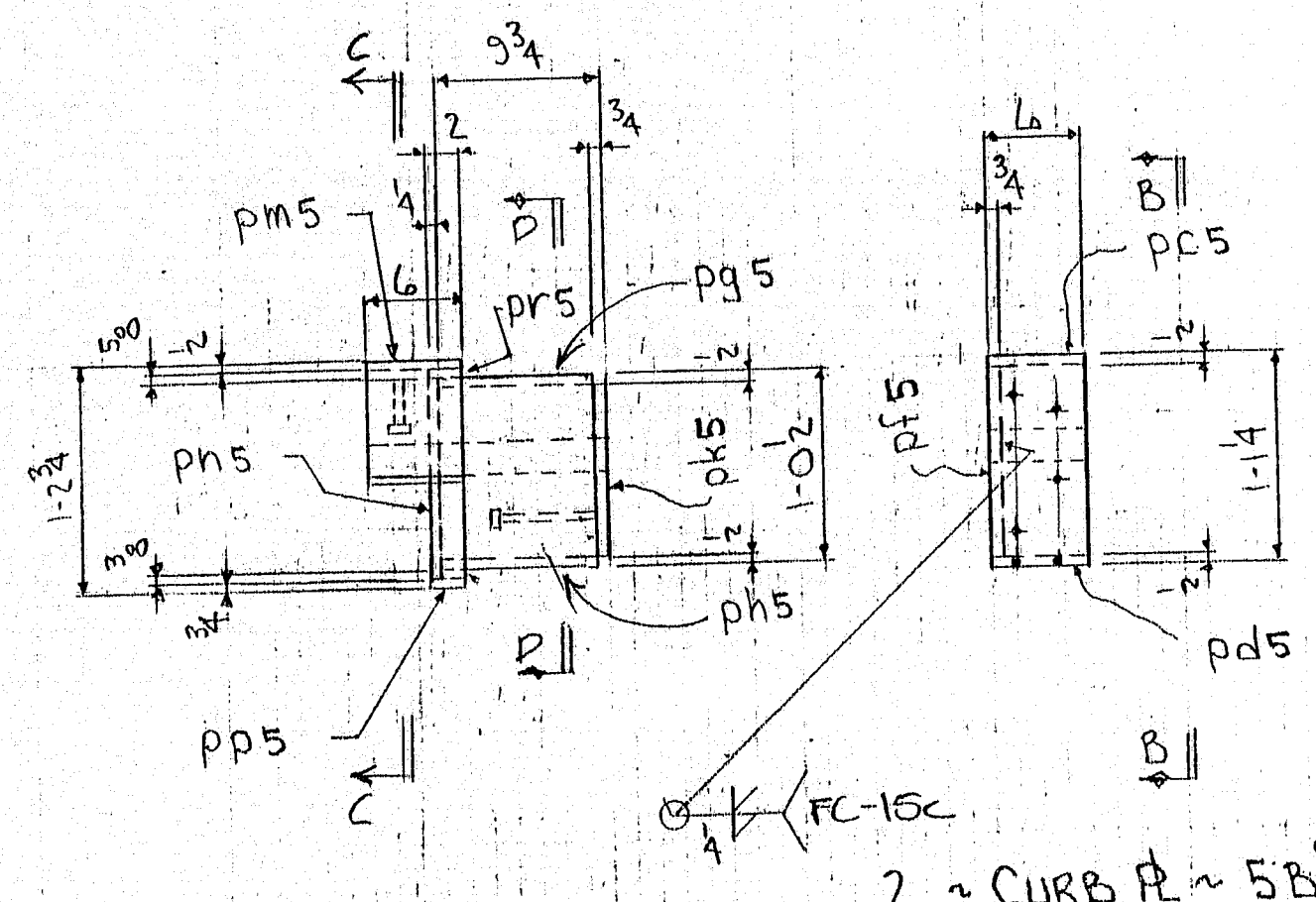
DETAIL (PF5)



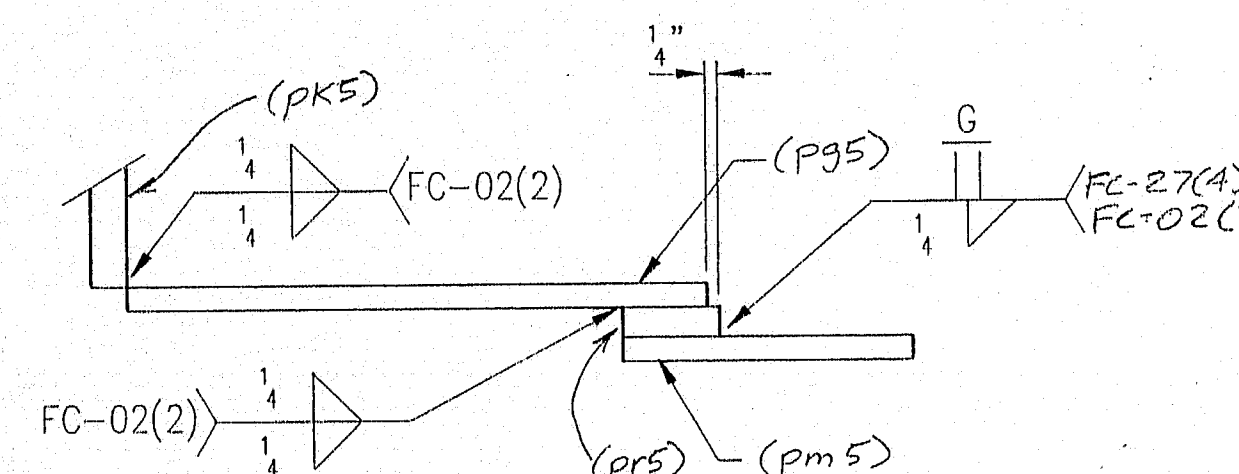
SECTION C-C



SECTION E



SECTION F



SECTION G

BENDING DIAG. FOR (PR5)
(FOR DETAIL SEE SHT. 5a)

SHOP NOTES
1.) SEE SHT. 8 FOR LOCATION
OF CURB R.
2.) SEE SHT. 1 FOR SHOP NOTES.
3.) CURB R. (5B) (5C) ARE
SHOP WELDED TO JOINTS (8A & 8B).
(5A) IS SHOP ATTACHED TO (5B).
4.) SEE SHT. 5a FOR DETAILS.

REV.	DESCRIPTION	LENGTH	WK	REMARKS	WGHT.
1	2 ~ CURB R ~ 5A	2-7 1/2	ps	HOG SHOP ATTACH TO BASE	
2	2 ~ CURB R ~ 5B	2-7 1/2	ps	BEND	
3	2 ~ CURB R ~ 5C	2-7 1/2	ps		
4	2 ~ CURB R ~ 5D	2-7 1/2	ps		
5	2 ~ CURB R ~ 5E	2-7 1/2	ps		
6	2 ~ CURB R ~ 5F	2-7 1/2	ps		
7	2 ~ CURB R ~ 5G	2-7 1/2	ps		
8	2 ~ CURB R ~ 5H	2-7 1/2	ps		
9	2 ~ CURB R ~ 5I	2-7 1/2	ps		
10	2 ~ CURB R ~ 5J	2-7 1/2	ps		
11	2 ~ CURB R ~ 5K	2-7 1/2	ps		
12	2 ~ CURB R ~ 5L	2-7 1/2	ps		
13	2 ~ CURB R ~ 5M	2-7 1/2	ps		
14	2 ~ CURB R ~ 5N	2-7 1/2	ps		
15	2 ~ CURB R ~ 5O	2-7 1/2	ps		
16	2 ~ CURB R ~ 5P	2-7 1/2	ps		
17	2 ~ CURB R ~ 5Q	2-7 1/2	ps		
18	2 ~ CURB R ~ 5R	2-7 1/2	ps		
19	2 ~ CURB R ~ 5S	2-7 1/2	ps		
20	2 ~ CURB R ~ 5T	2-7 1/2	ps		
21	2 ~ CURB R ~ 5U	2-7 1/2	ps		
22	2 ~ CURB R ~ 5V	2-7 1/2	ps		
23	2 ~ CURB R ~ 5W	2-7 1/2	ps		
24	2 ~ CURB R ~ 5X	2-7 1/2	ps		
25	2 ~ CURB R ~ 5Y	2-7 1/2	ps		
26	2 ~ CURB R ~ 5Z	2-7 1/2	ps		
27	2 ~ CURB R ~ 5A	2-7 1/2	ps		
28	2 ~ CURB R ~ 5B	2-7 1/2	ps		
29	2 ~ CURB R ~ 5C	2-7 1/2	ps		
30	2 ~ CURB R ~ 5D	2-7 1/2	ps		
31	2 ~ CURB R ~ 5E	2-7 1/2	ps		
32	2 ~ CURB R ~ 5F	2-7 1/2	ps		
33	2 ~ CURB R ~ 5G	2-7 1/2	ps		
34	2 ~ CURB R ~ 5H	2-7 1/2	ps		
35	2 ~ CURB R ~ 5I	2-7 1/2	ps		
36	2 ~ CURB R ~ 5J	2-7 1/2	ps		
37	2 ~ CURB R ~ 5K	2-7 1/2	ps		
38	2 ~ CURB R ~ 5L	2-7 1/2	ps		
39	2 ~ CURB R ~ 5M	2-7 1/2	ps		
40	2 ~ CURB R ~ 5N	2-7 1/2	ps		
41	2 ~ CURB R ~ 5O	2-7 1/2	ps		
42	2 ~ CURB R ~ 5P	2-7 1/2	ps		
43	2 ~ CURB R ~ 5Q	2-7 1/2	ps		
44	2 ~ CURB R ~ 5R	2-7 1/2	ps		
45	2 ~ CURB R ~ 5S	2-7 1/2	ps		
46	2 ~ CURB R ~ 5T	2-7 1/2	ps		
47	2 ~ CURB R ~ 5U	2-7 1/2	ps		
48	2 ~ CURB R ~ 5V	2-7 1/2	ps		
49	2 ~ CURB R ~ 5W	2-7 1/2	ps		
50	2 ~ CURB R ~ 5X	2-7 1/2	ps		
51	2 ~ CURB R ~ 5Y	2-7 1/2	ps		
52	2 ~ CURB R ~ 5Z	2-7 1/2	ps		
53	2 ~ CURB R ~ 5A	2-7 1/2	ps		
54	2 ~ CURB R ~ 5B	2-7 1/2	ps		
55	2 ~ CURB R ~ 5C	2-7 1/2	ps		
56	2 ~ CURB R ~ 5D	2-7 1/2	ps		
57	2 ~ CURB R ~ 5E	2-7 1/2	ps		
58	2 ~ CURB R ~ 5F	2-7 1/2	ps		
59	2 ~ CURB R ~ 5G	2-7 1/2	ps		
60	2 ~ CURB R ~ 5H	2-7 1/2	ps		

REV. 13-17 DATE INT.

ANY AND ALL BACKCHARGES WILL BE REJECTED UNLESS WRITTEN CONSENT IS GIVEN BY LEWIS ENGINEERING COMPANY PRIOR TO ANY WORK PERFORMED FOR OUR ACCOUNT. SUCH REJECTION MEANS THAT INVOICES WILL NOT BE HONORED OR DEDUCTIONS FROM PAYMENT WILL BE CHARGED BACK.

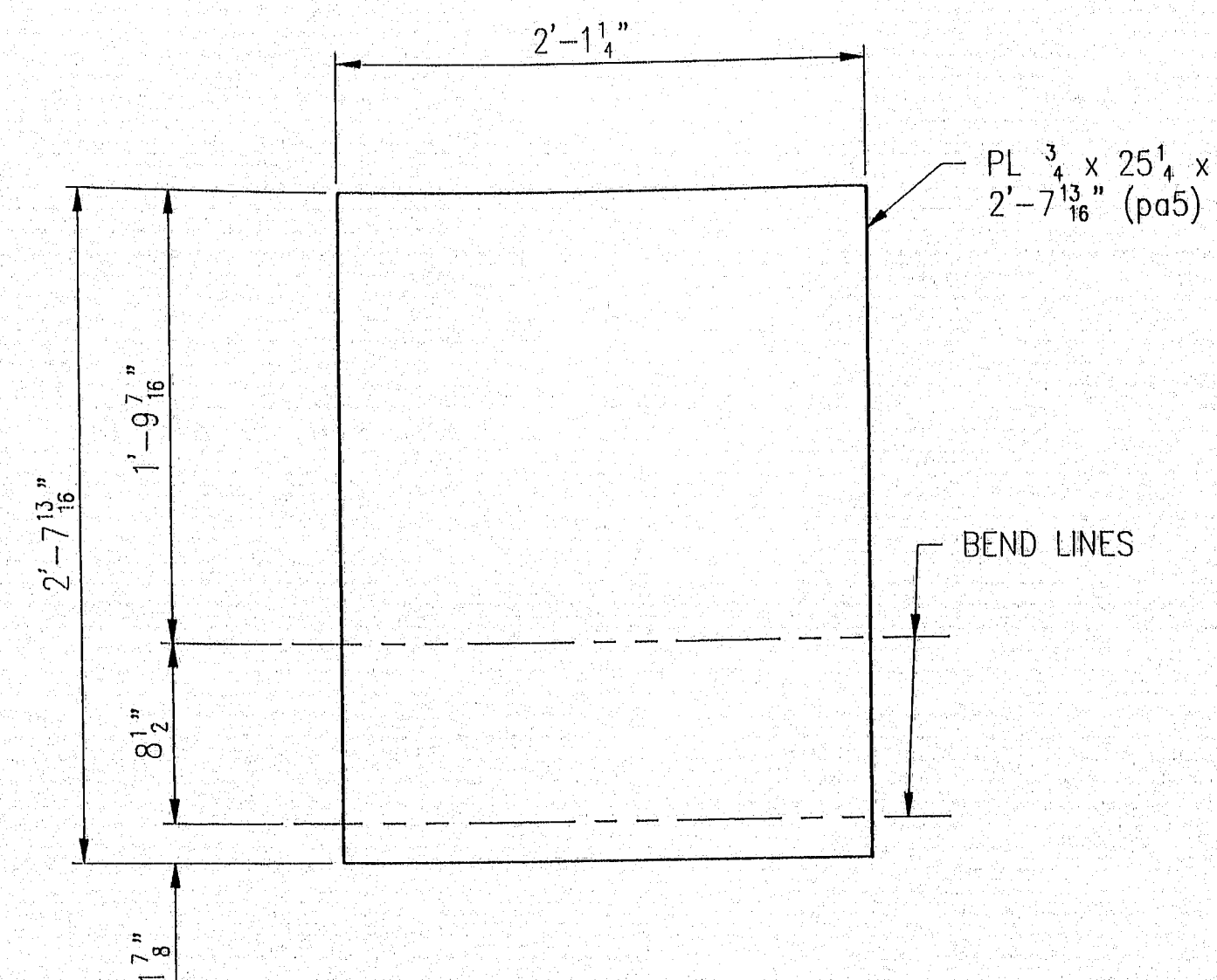
LEWIS ENGINEERING COMPANY
4201 NOREX DRIVE - CHASKA, MINNESOTA 55318 - (612) 368-3000

PROJECT - DONALD V. CARTER BRIDGE OVER KENNEBEC RIVER
STATE PROJECT - PIN 566.40
FEDERAL PROJECT - DPB-0009 (002)
CUSTOMER - CIANBRO CORP.
LOCATION - CITY OF WATERTOWN (WINSLOW, ME)
DESCRIPTION - EXP. DEVICE-FINGER JOINT DETAILS & PIER

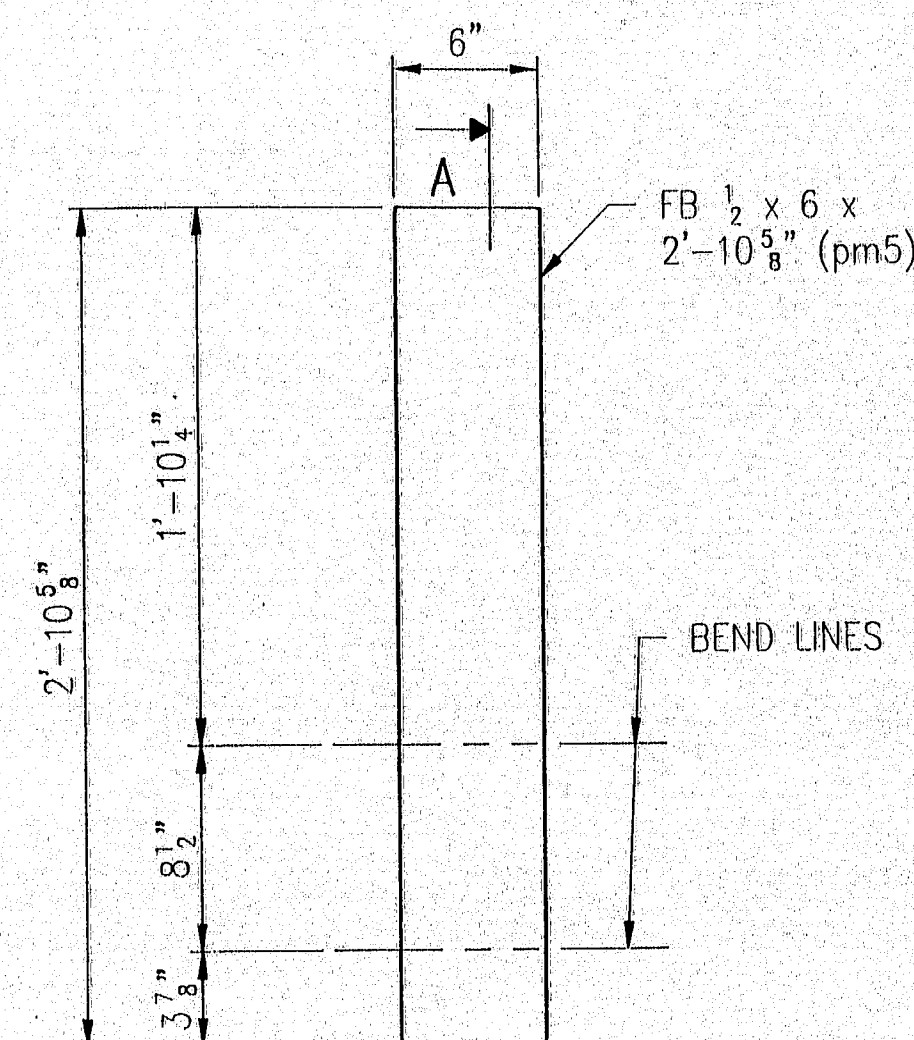
RELEASED FOR APPROVAL
BY *RN* DATE 4-19-96

Drawn By *T.W.*
Chk'd. By *J.P.*
Date: 10-24-95

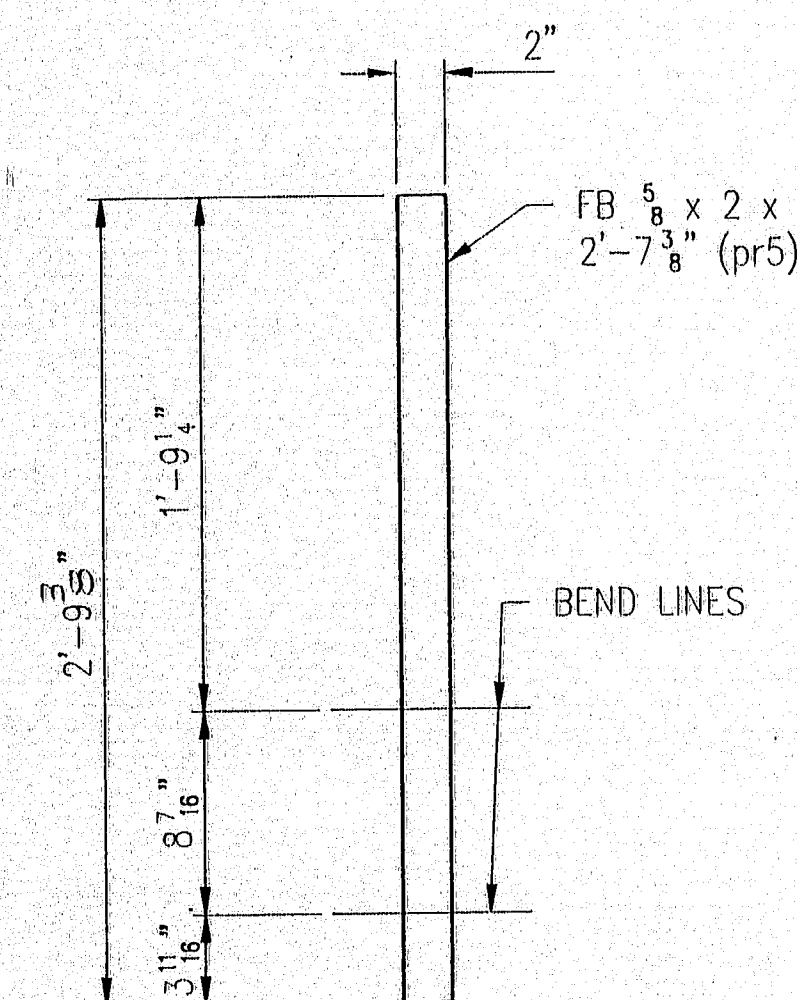
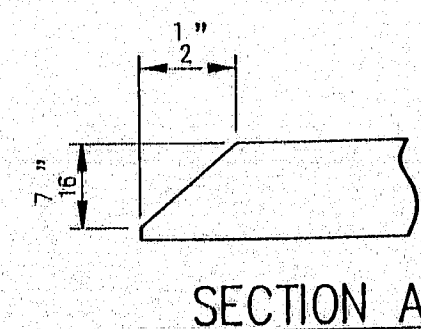
SHEET NO. 5 OF 10 Job. No. : 3505-61



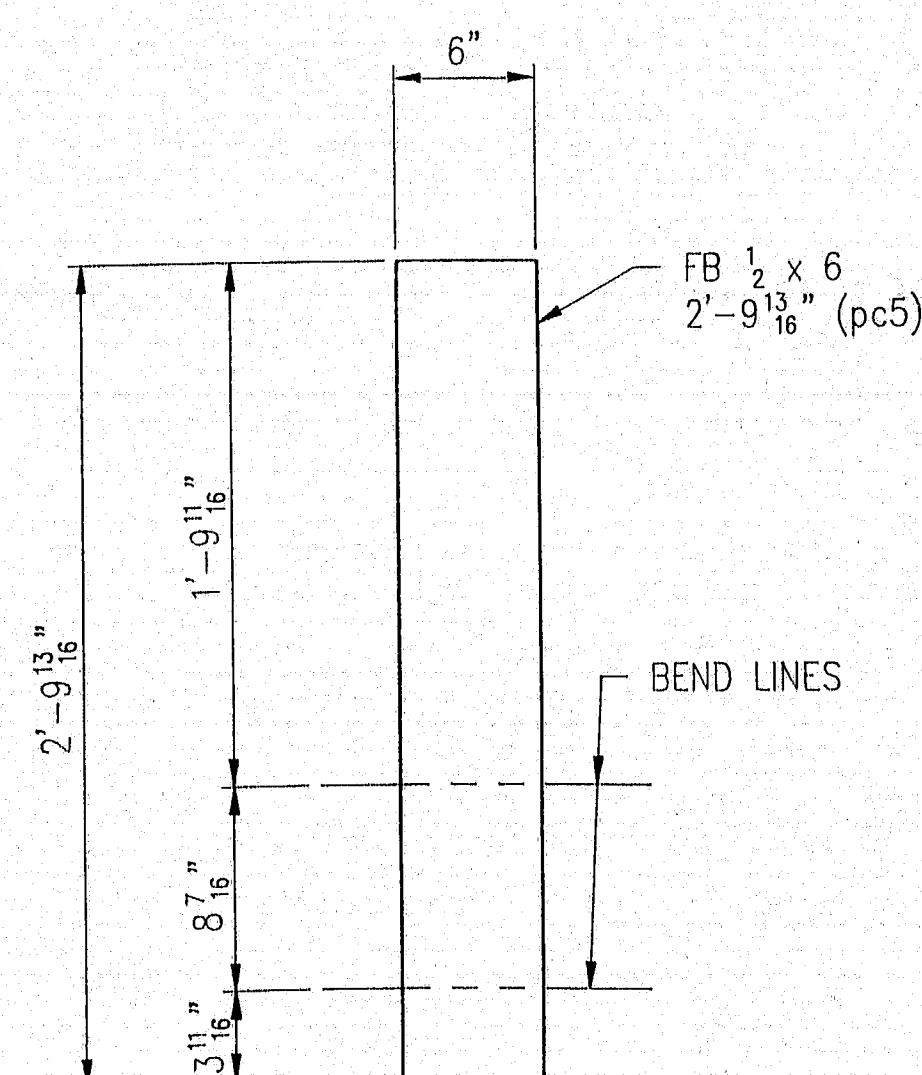
DETAIL PL (pa5)



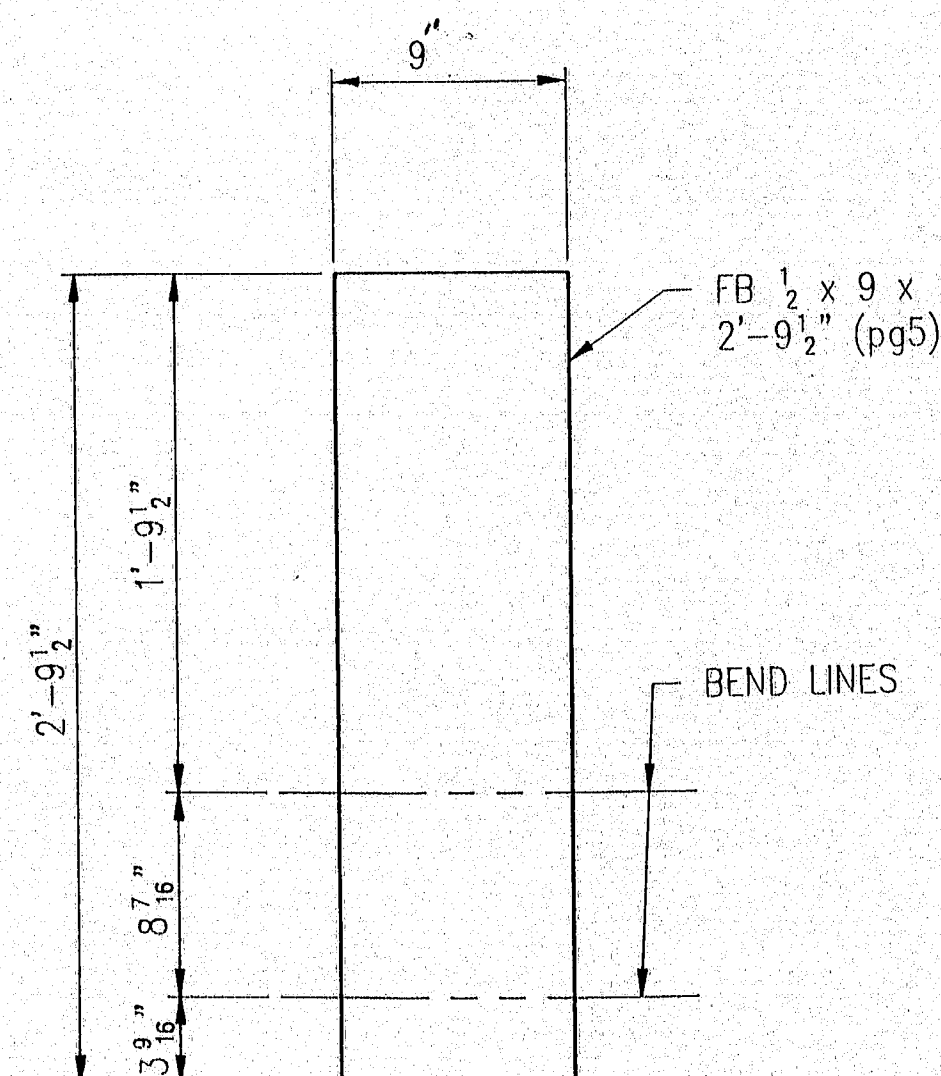
DETAIL PL (pm5)



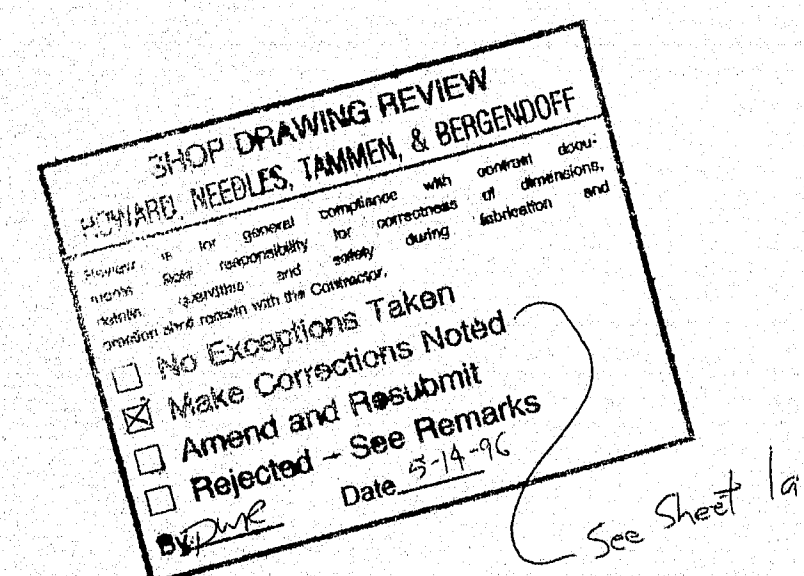
DETAIL PL (pr5)



DETAIL PL (pc5)



DETAIL PL (pg5)

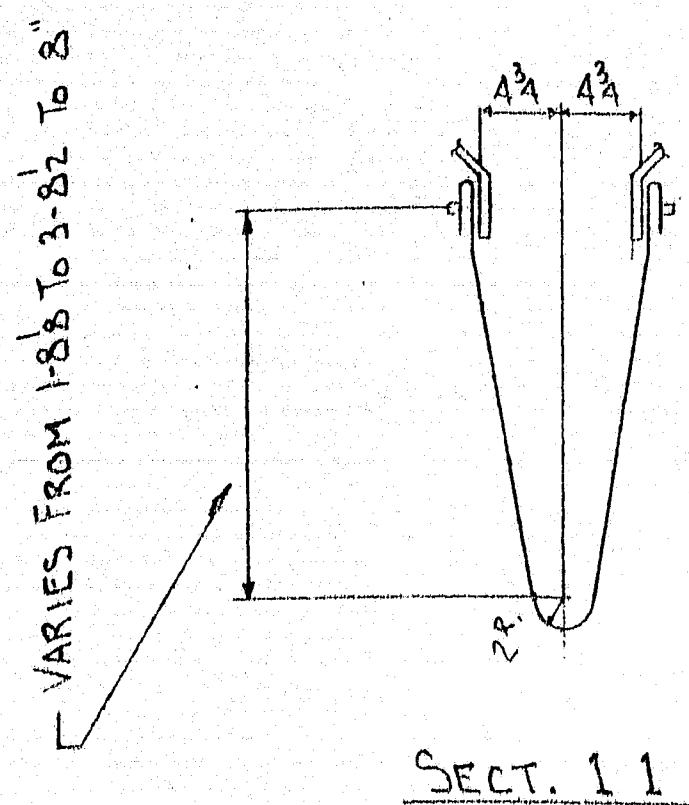
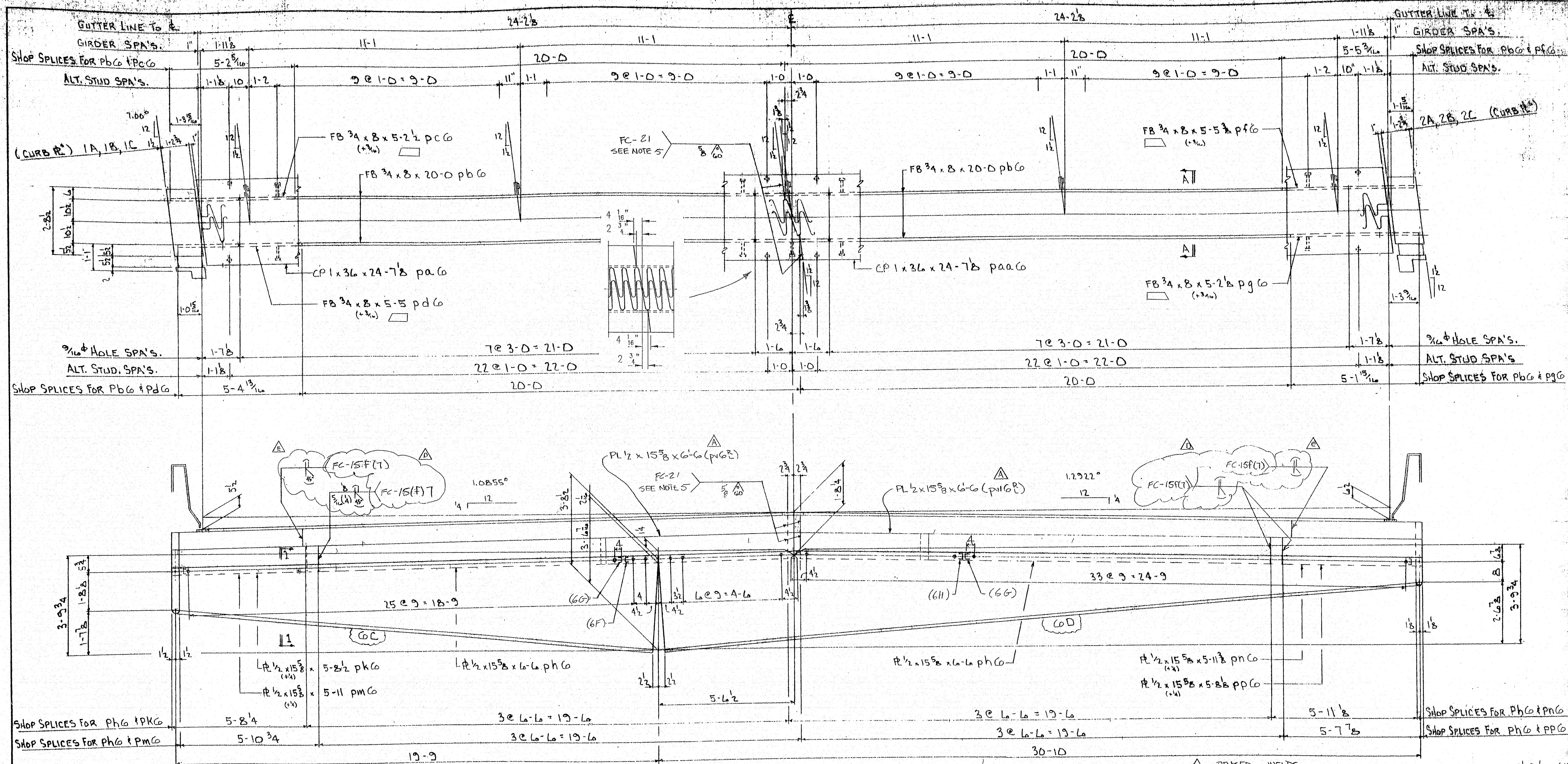


NOTE: WORK THIS SHEET WITH SHEET 5.

123-118

REV.	DESCRIPTION	DATE	INT.
<p>ANY AND ALL BACKCHARGES WILL BE REJECTED UNLESS WRITTEN CONSENT IS GIVEN BY LEWIS ENGINEERING COMPANY PRIOR TO ANY WORK PERFORMED FOR OUR ACCOUNT. SUCH REJECTION MEANS THAT INVOICES WILL NOT BE HONORED OR DEDUCTIONS FROM PAYMENT WILL BE CHARGED BACK.</p>			
<p>LEWIS ENGINEERING COMPANY 4201 NOREX DRIVE - CHASKA, MINNESOTA 55318 - (612) 368-3000</p>			
PROJECT	DONALD V. CARTER BRIDGE OVER KENNEBEC RIVER		
STATE PROJECT	PIN 566.40		
FEDERAL PROJECT	DPB-0009(002)	RELEASED FOR APPROVAL BY [signature] DATE 4-19-96	
CUSTOMER	CIANBRO CORP.		
LOCATION	CITY OF WATERTVILLE/WINSLOW, ME		
DESCRIPTION	EXPANSION DEVICE BARRIER DETAILS		
SHEET NO. 5a of 10		Job. No. : 3505-61	

Drawn By JOK
Chk'd. By SCS
Date: 2-2-96

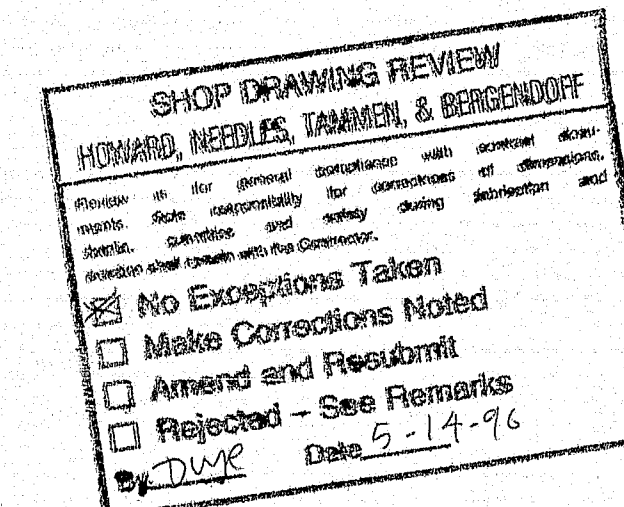


ONE ~ EXP. JOINT ~ COA
ONE ~ TROUGH ~ COC

- SHOP NOTES:
- 1) WORK THIS SHT. WITH SHT. COA.
 - 2) SEE SHT'S 1 & 2 FOR LOCATION AND SHOP WELDING OF CURB R'S.
 - 3) SEE SHT. 1 FOR SHOP NOTES.
 - 4) SERPENTINE CUT TO BE ONE UNINTERRUPTED CUT FROM GUTTER TO GUTTER. SHOP CUT AT LOCATION SHOWN AT 4.
 - 5) SHOP SPlice JOINT AFTER GALV. REPAIR GALV AFTER WELDING.

FIELD NOTE
1) EXP. JOINTS & TROUGH THIS SHT. ARE FOR ABUT. 1 LOOKING UPSTATION

ONE ~ EXP. JOINT ~ COB
ONE ~ TROUGH ~ COD

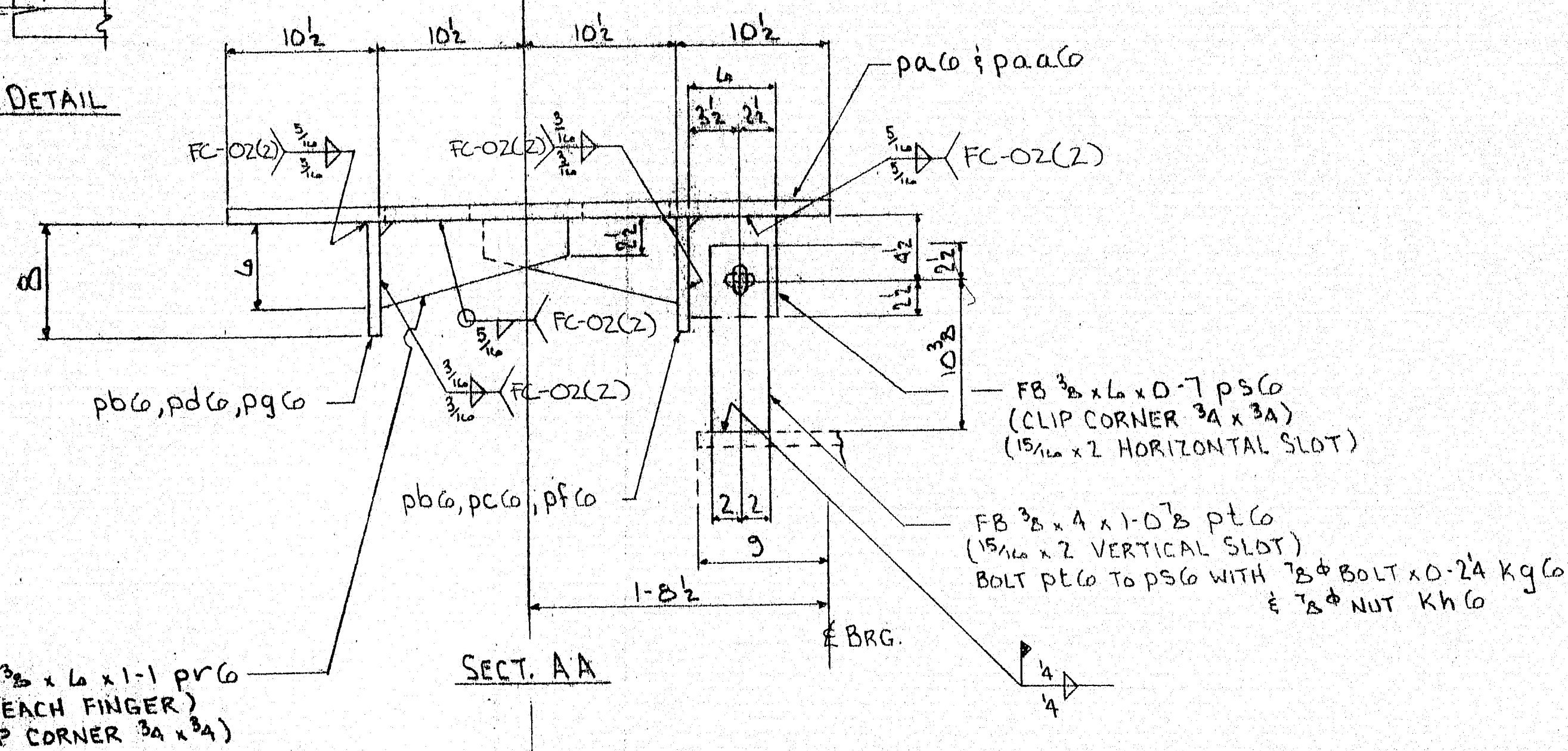


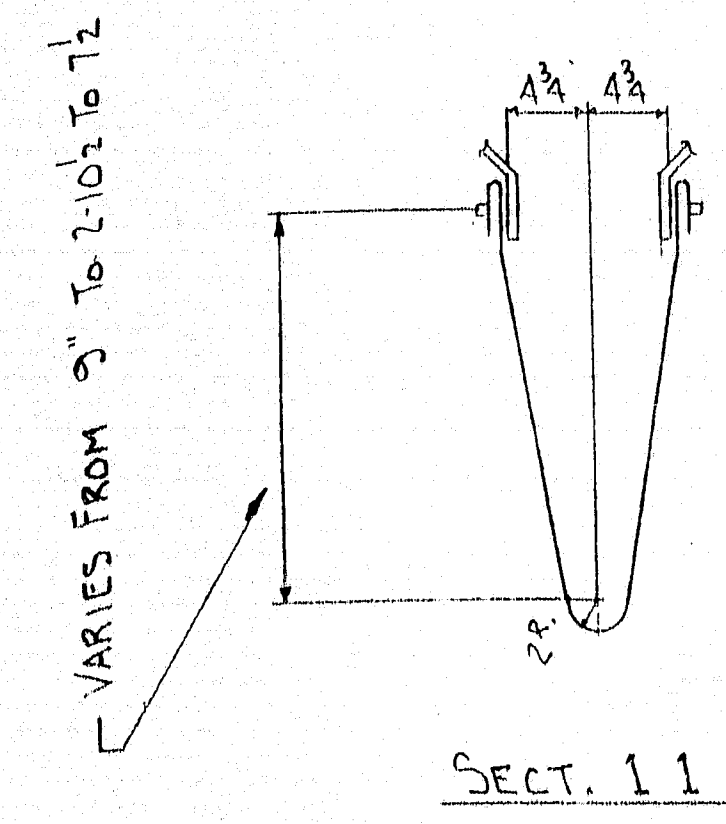
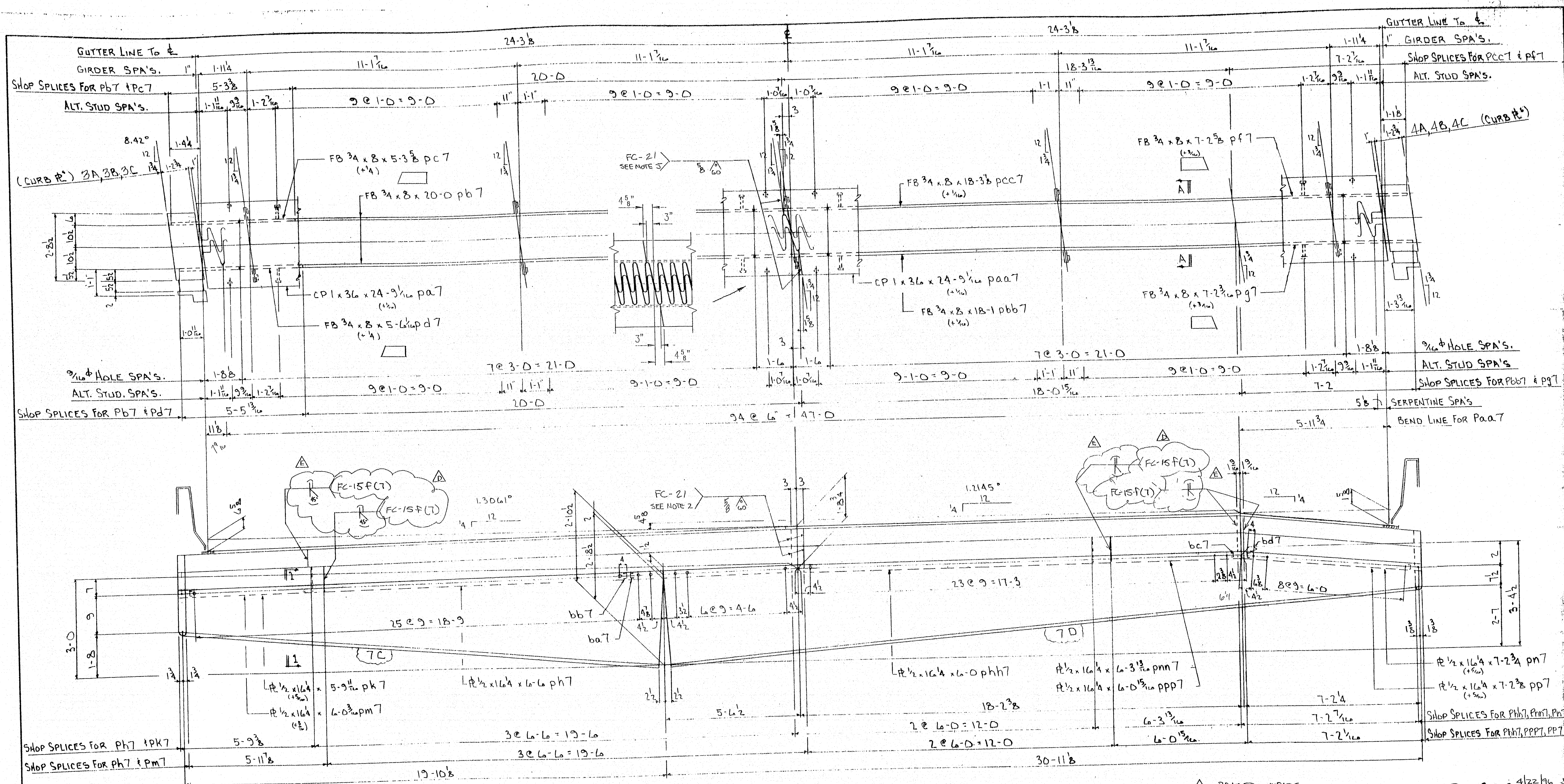
- △ REVISED WELDS
- △ REVISED WELDS
- △ ADDED MKS (PVG) & (PVG)

123-119

REV.	DESCRIPTION	DATE	INT.
1	AND ALL BACKCHARGES WILL BE REJECTED UNLESS WRITTEN CONSENT IS GIVEN BY LEWIS ENGINEERING COMPANY PRIOR TO ANY WORK PERFORMED FOR OUR ACCOUNT. SUCH REJECTION MEANS THAT INVOICES WILL NOT BE HONORED OR DEDUCTIONS FROM PAYMENT WILL BE CHARGED BACK.	4/22/96 JK	
<p>LEWIS ENGINEERING COMPANY 4201 NOREX DRIVE - CHASKA, MINNESOTA 55318 - (612) 360-3000</p> <p>PROJECT - DONALD V. CARTER BRIDGE OVER KENNEBEC RIVER</p> <p>STATE PROJECT - PIN 566.40</p> <p>FEDERAL PROJECT - DPB-0009(002)</p> <p>CUSTOMER - CIANBRO CORP.</p> <p>LOCATION - CITY OF WATERTOWN / WINSLOW, ME</p> <p>DESCRIPTION - EXP. DEVICE - FINGER JOINT DETAILS @ ABUTS & PIER</p> <p>Drawn By T.W. Chk'd. By J.P. Date: 10-24-95</p>			
SHEET NO. 6 OF 10		Job. No.: 3505-4a	

TIP OF FINGER
FINGER DETAIL





ONE ~ EXP. JOINT ~ 7A
ONE ~ TROUGH ~ 7C

- SHOP NOTES:
- 1) WORK THIS SHT. WITH SHT. 7A.
 - 2) SEE SHT'S 3 & 4 FOR LOCATION AND SHOP WELDING OF CURB R'S.
 - 3) SEE SHT. 1 FOR SHOP NOTES.
 - 4) SERPENTINE CUT TO BE ONE UNINTERRUPTED CUT FROM GUTTER TO GUTTER. SHOP CUT AT LOCATION SHOWN AT 4.
 - 5) SHOP SPlice JOINT AFTER GALV. REPAIR GALV. AFTER WELDING.

FIELD NOTE
1) EXP. JOINTS & TROUGH THIS SHT. ARE FOR PIER 60 LOOKING UPSTATION

ONE ~ EXP. JOINT ~ 7B
ONE ~ TROUGH ~ 7D

SHOP DRAWING REVIEW
HOWARD, NEEDLES, TAMMEN & BERGENDOFF

Review is for general compliance with contract documents. Shop drawings are not to be used for construction without approval of the Engineer. No Exceptions Taken

☒ No Exceptions Taken
☐ Make Corrections Noted
☐ Amend and Resubmit
☐ Rejected - See Remarks

By: *[Signature]* Date: 5-14-96

123-121

4/22/96 JK
1/2/96 SK

REV.	DESCRIPTION	DATE	INT.
1	REVISIONS WELDS		
2	REVISIONS WELDS		

ANY AND ALL BACKCHARGES WILL BE REJECTED UNLESS WRITTEN CONSENT IS GIVEN BY LEWIS ENGINEERING COMPANY PRIOR TO ANY WORK PERFORMED FOR OUR ACCOUNT. SUCH REJECTION MEANS THAT INVOICES WILL NOT BE HONORED OR DEDUCTIONS FROM PAYMENT WILL BE CHARGED BACK.

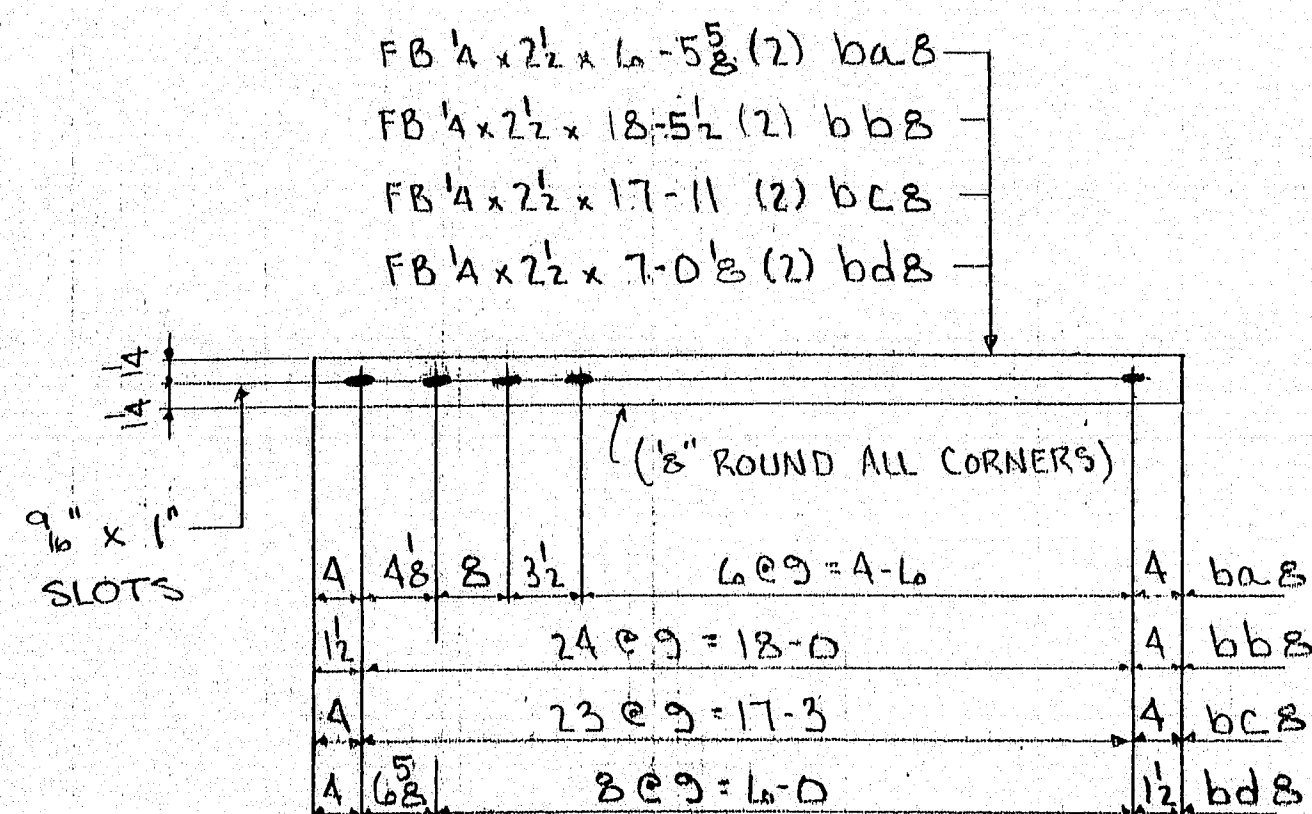
LEWIS ENGINEERING COMPANY
4201 NOREX DRIVE - CHASKA, MINNESOTA 55318 - (612) 368-3000

PROJECT - DONALD V. CARTER BRIDGE OVER KENNEBEC RIVER
STATE PROJECT - PIN 366.40
FEDERAL PROJECT - DPB-0009 (002)
CUSTOMER - CIANBRO CORP.
LOCATION - CITY OF WATerville / WINSLOW, ME
DESCRIPTION - EXP. DEVICE - FINGER JOINT DETAILS @ ABUTTS & PIER

RELEASED FOR APPROVAL
By: *[Signature]* DATE: 4-26-96

Drawn By: T.W.
Chkd. By: J.P.
Date: 10-24-95

SHEET NO. 7 OF 10 Job No.: 3505-61



SHOP DRAWING REVIEW
HOWARD, NEEDLES, TAMMEN, & BERGENDORF

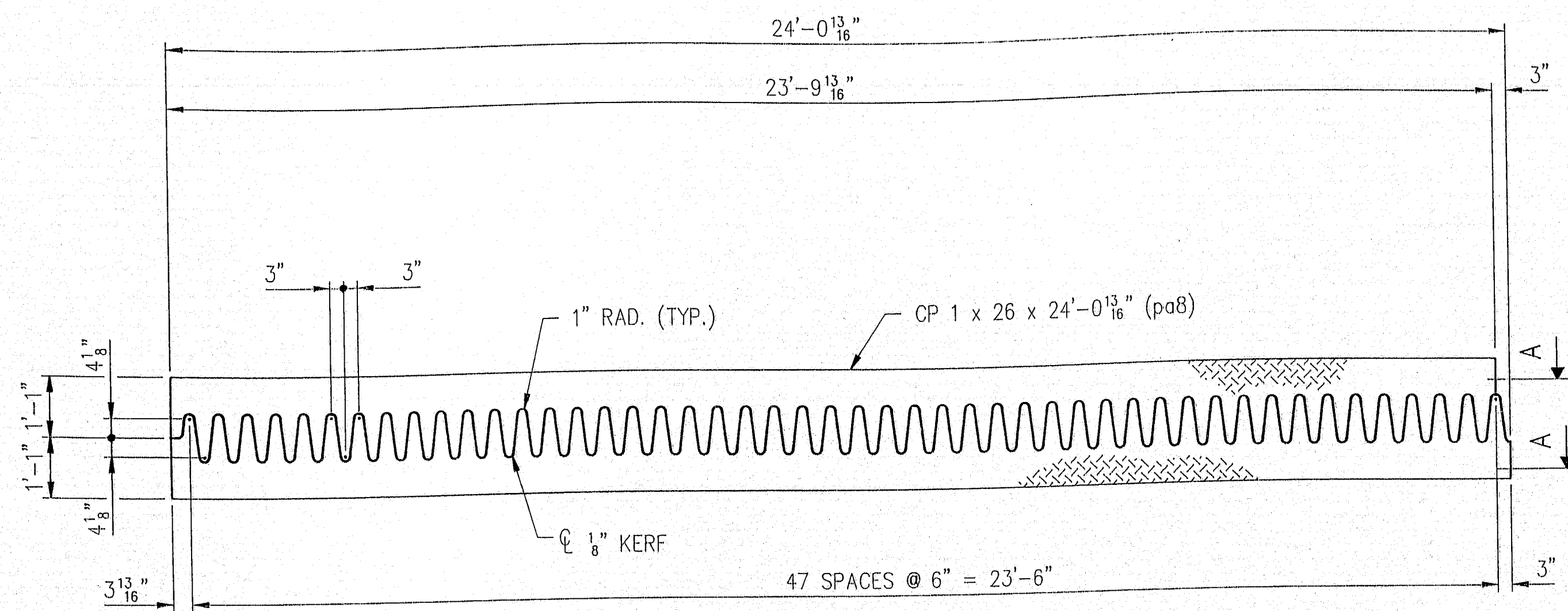
Review is for general compliance with contract documents.
 Significant discrepancies and omissions will require a letter of clarification from the Contractor.

☒ No Exceptions Taken
☐ Make Corrections Noted
☐ Amend and Resubmit
☐ Rejected - See Remarks

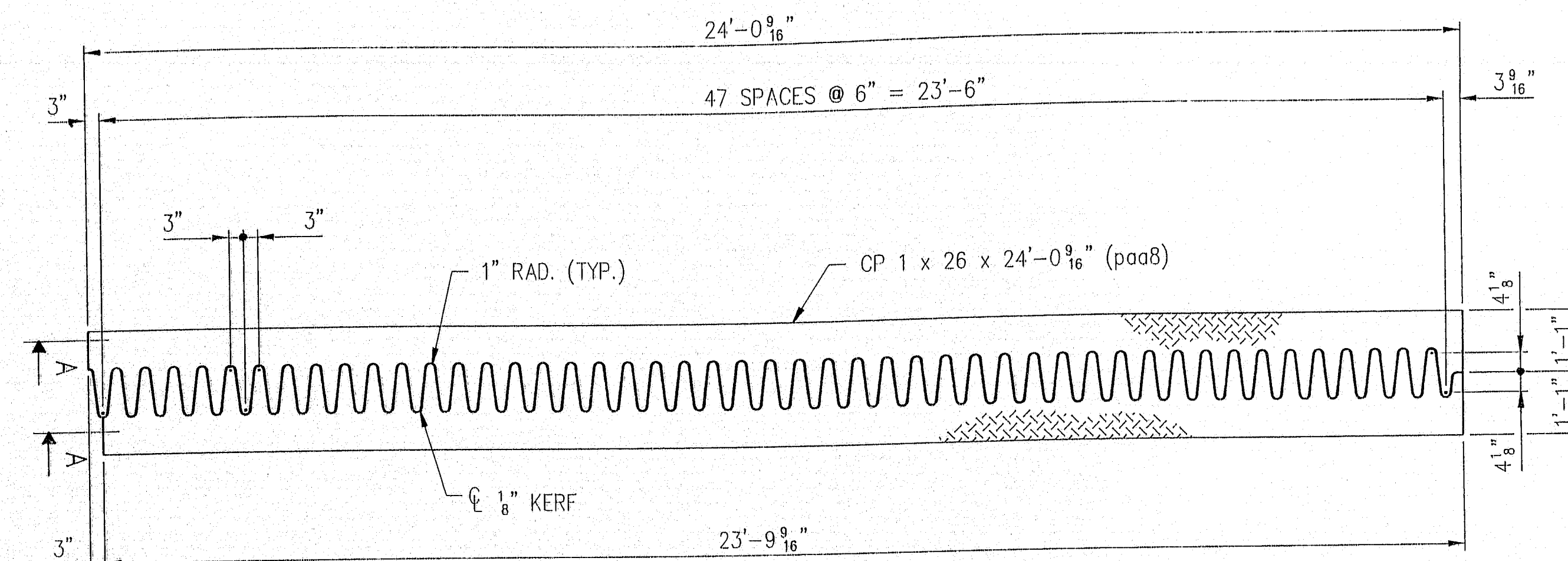
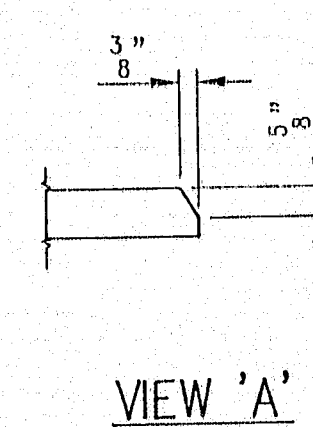
By dw Date 5-14-76

△ REVISED WELD 4/22/96 JK

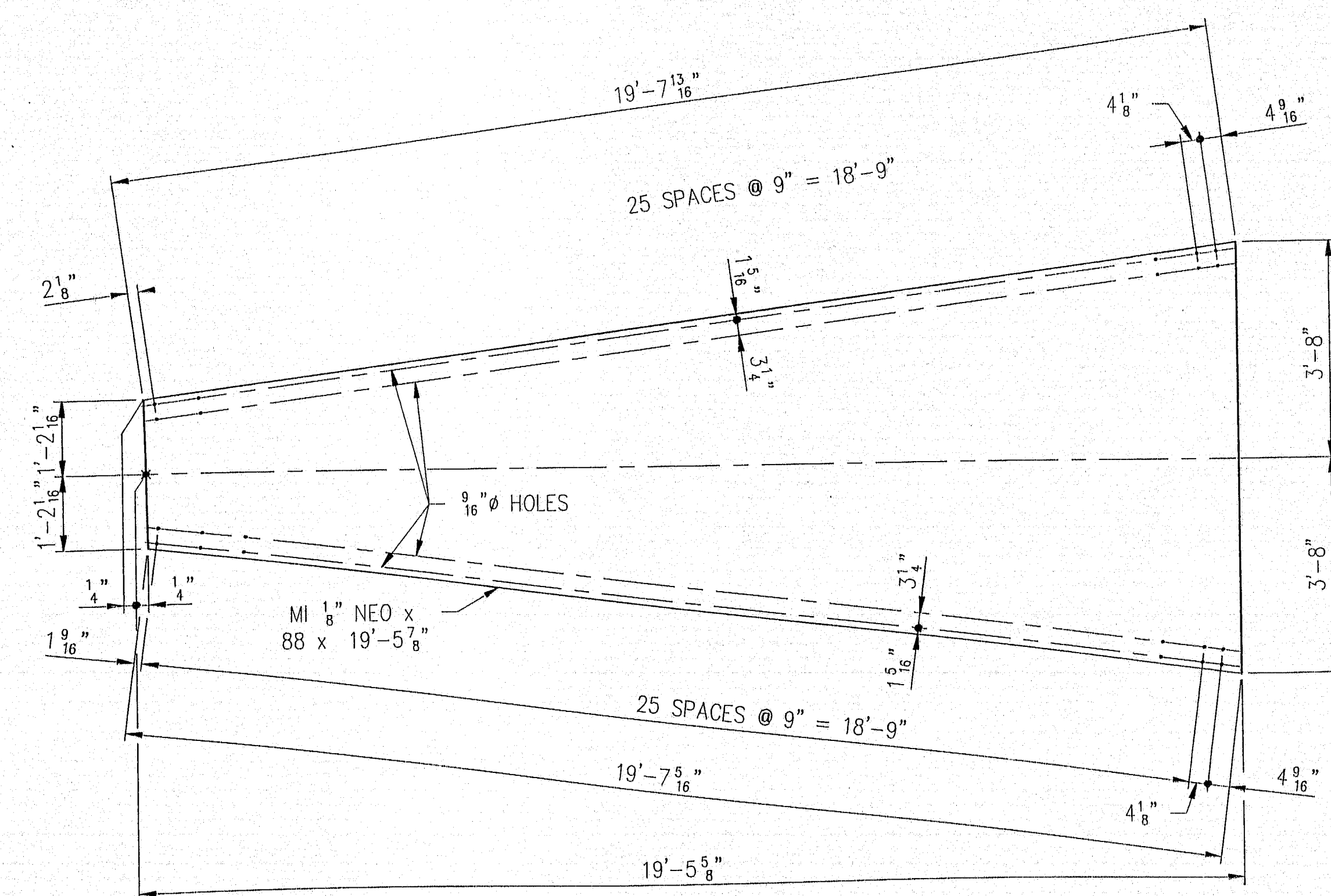
and Brunning, Inc. 79513 Form 75853



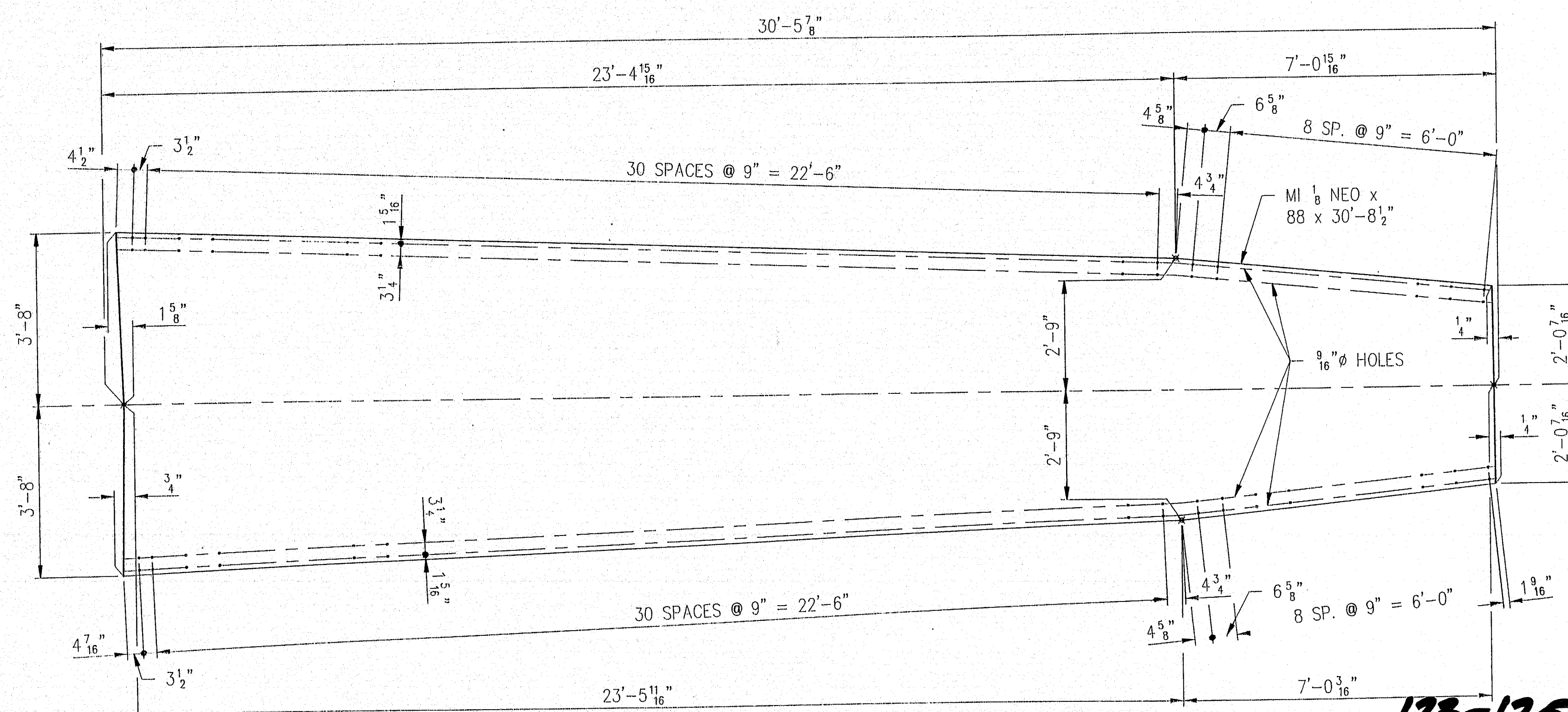
DETAIL PL (pa8)



DETAIL PL (pa8)



DETAIL TROUGH (8C)



DETAIL TROUGH (8D)

SHOP DRAWING REVIEW
HOWARD, NEEDLES, TAMMEN, & BERGENDOFF

For use by general contractor with permission of Lewis Engineering Company. This responsibility for correctness of dimensions, quantities and material during fabrication and erection shall remain with the Contractor.

☒ No Exceptions Taken
☐ Make Corrections Noted
☐ Amend and Resubmit
☐ Rejected - See Remarks

By: *[Signature]* Date: *12-14-96*

NOTE: WORK THIS SHEET WITH SHEETS 8 & 8a

123-125

REV.	DESCRIPTION	DATE	INT.
1	ANY AND ALL BACKCHARGES WILL BE REJECTED UNLESS WRITTEN CONSENT IS GIVEN BY LEWIS ENGINEERING COMPANY PRIOR TO ANY WORK PERFORMED FOR OUR ACCOUNT. SUCH REJECTION MEANS THAT INVOICES WILL NOT BE HONORED OR DEDUCTIONS FROM PAYMENT WILL BE CHARGED BACK.		

LEWIS ENGINEERING COMPANY
4201 NOREX DRIVE - CHASKA, MINNESOTA 55318 - (612) 368-3000

PROJECT — DONALD V. CARTER BRIDGE OVER KENNEBEC RIVER
STATE PROJECT — PIN 566.40
FEDERAL PROJECT — DPB-0009(002)
CUSTOMER — CIAMBRO CORP.
LOCATION — CITY OF WATERVILLE/WINSLOW, ME
DESCRIPTION — EXPANSION DEVICE DETAILS

RELEASED FOR APPROVAL
BY: *[Signature]* DATE: *4-19-96*

Drawn By: JOK
Chk'd. By: *[Signature]*
Date: *2/2/96*

SHEET NO. 8b OF 10 Job. No.: 3505-61

