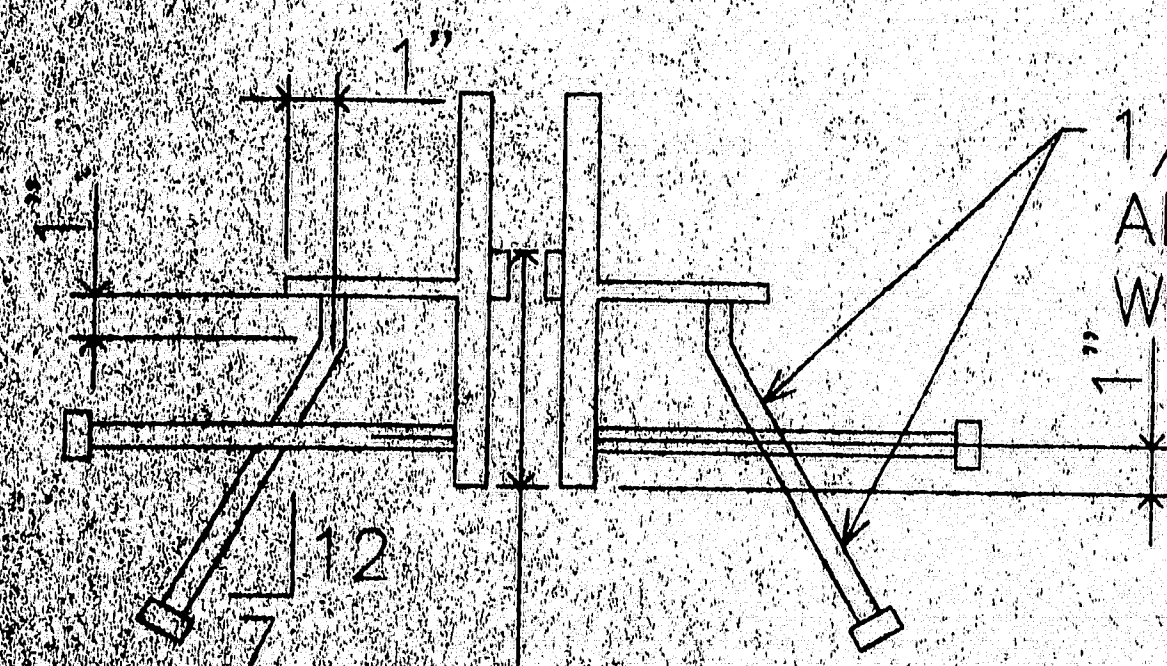
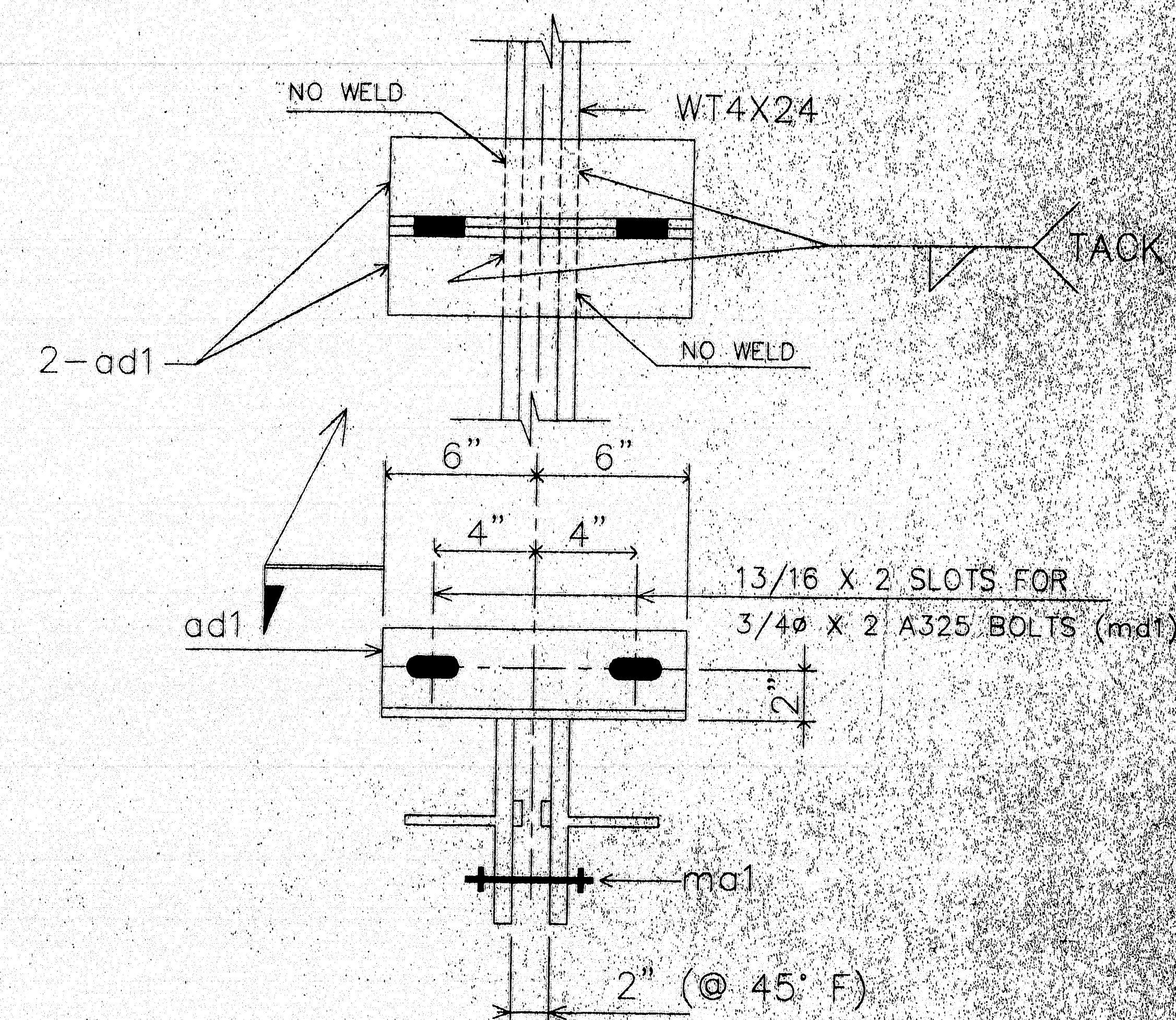


SECT. C-C

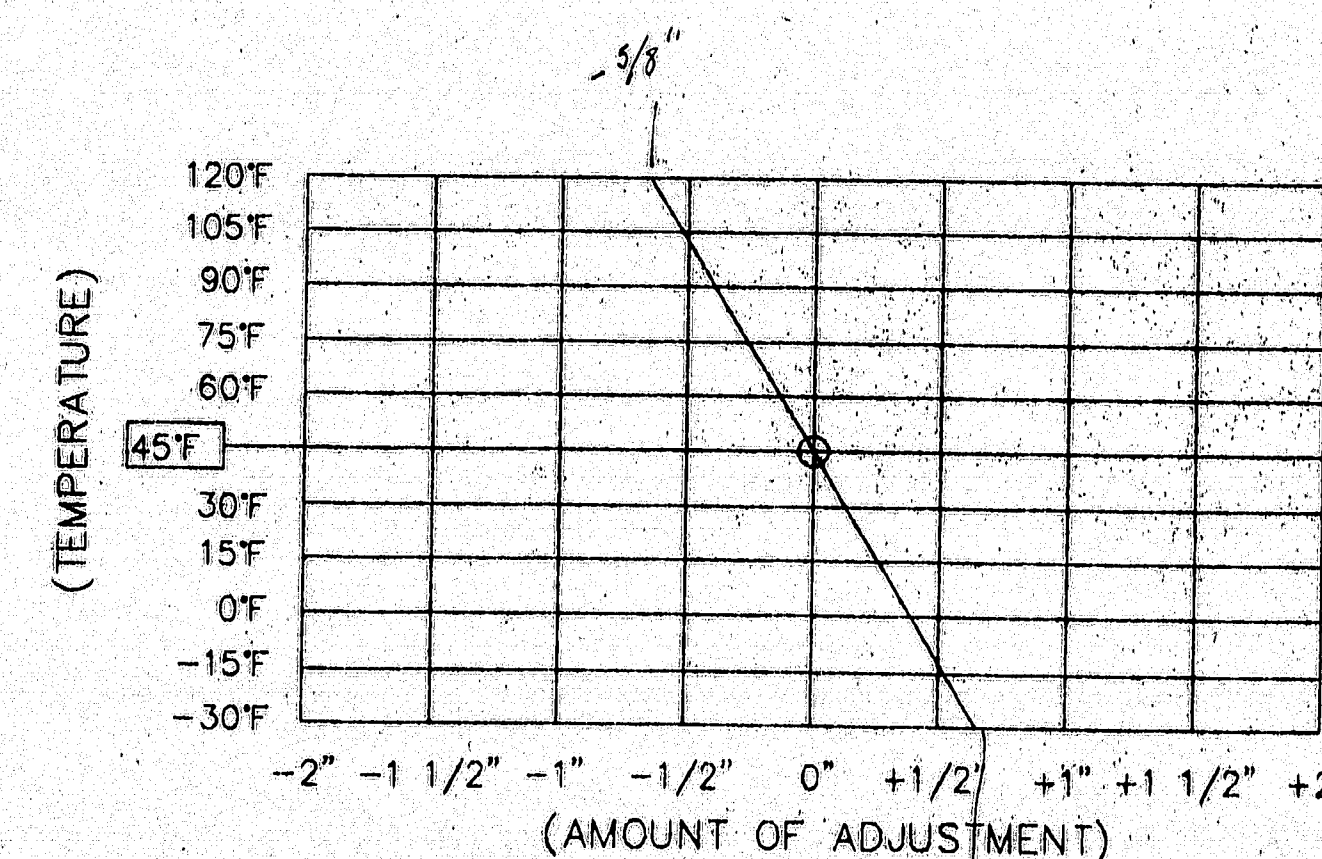


SECT. D-D



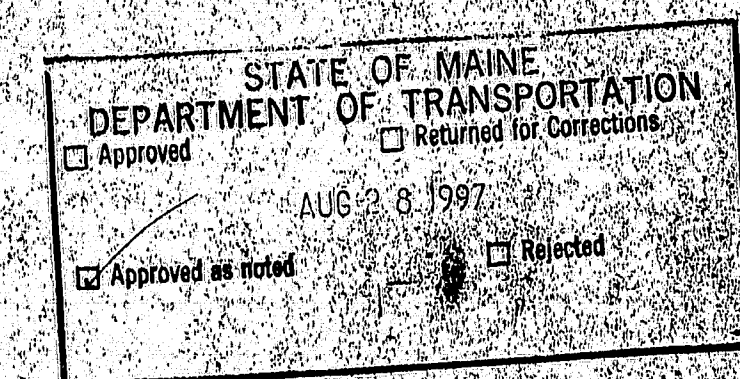
TEMPERATURE ADJUSTING DEVICE

NOTE:
SHOP PLACE ADJUSTING DEVICES AT APPROX. 5'-0" O/C
SHOP TO PRESET THE JOINT OPENING TO THE 45° F SETTING.
CONTRACTOR TO REFER TO THE DESIGN DWG'S & SPEC'S FOR
INSTALLATION INSTRUCTIONS.



COMP. SEAL ADJUSTMENT CHART

FIELD NOTE:
ADJUST JOINT OPENING FOR TEMPERATURE AT TIME
OF INSTALLATION. ADJUSTMENT IS TO BE MEASURED
PARALLEL TO THE WORKING LINE.



FOR APPROVAL
ONLY

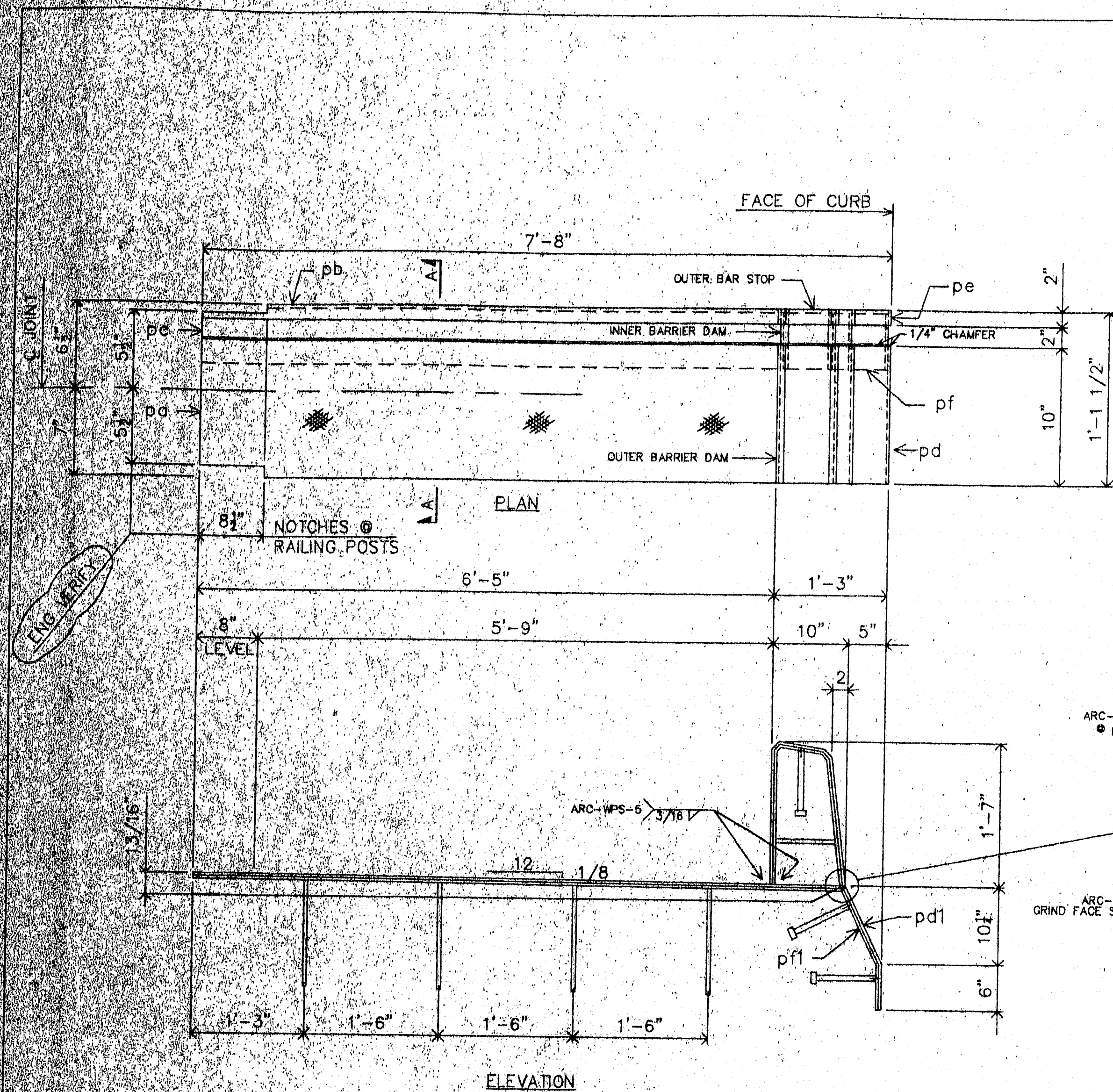
PROJ. NO. : BH-043-1(34)

ITEM NO. : 520.22

120-345

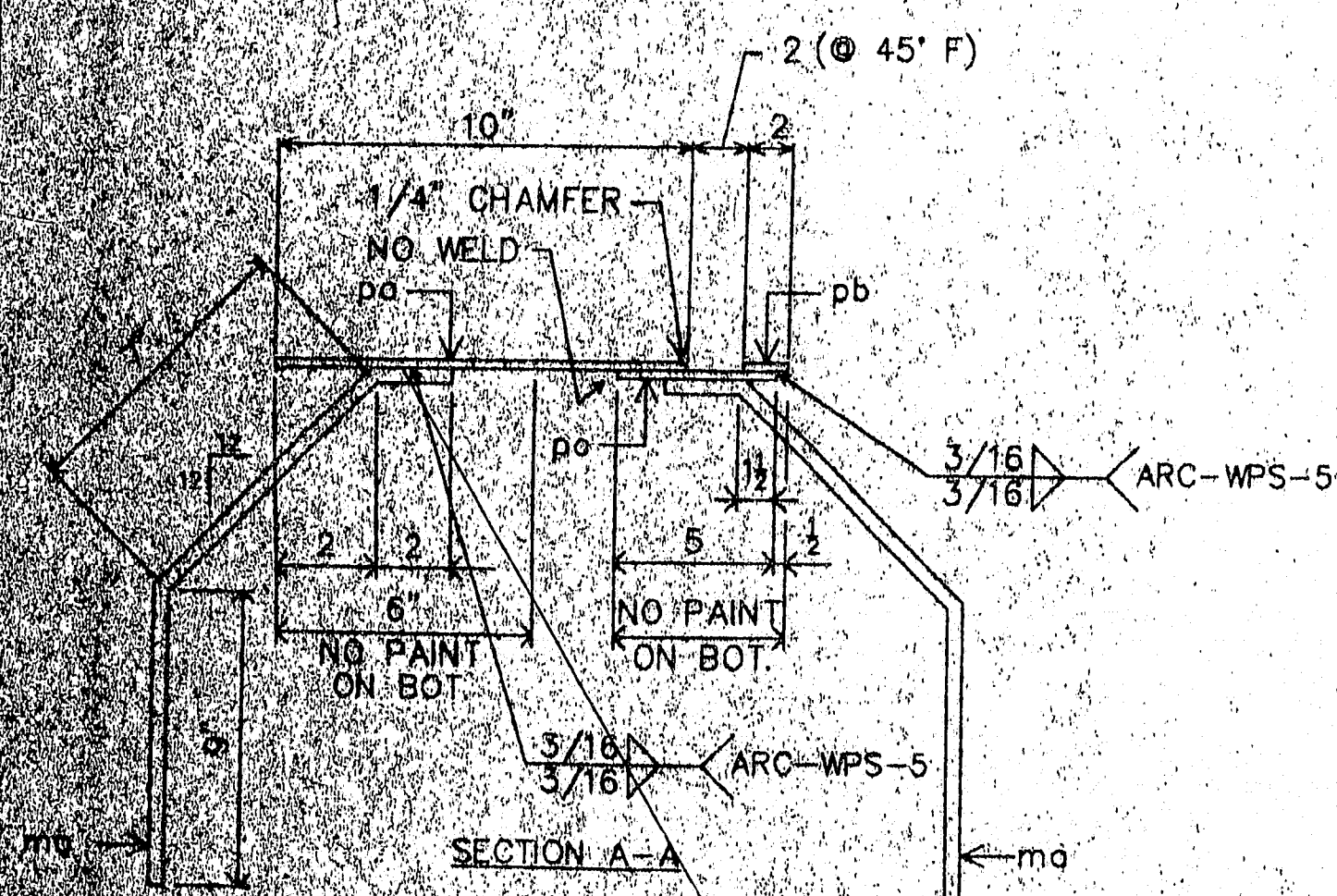
**A.R.C. ENTERPRISES
KINGFIELD, MAINE**

PROJECT: JOSHUA CHAMBERLAIN BRIDGE OVER THE PENOBSCOT RIVER, BANGOR-BREWSTER, ME			
SCALE: 1"	APPROVED BY:	DRAWING BY: <u>RS</u>	
DATE: <u>6/97</u>		CHKD BY:	
EXPANSION JOINT DETAIL @ PIER 1			
REED & REED		JOB NO <u>97-19</u>	DATE <u>6/97</u>

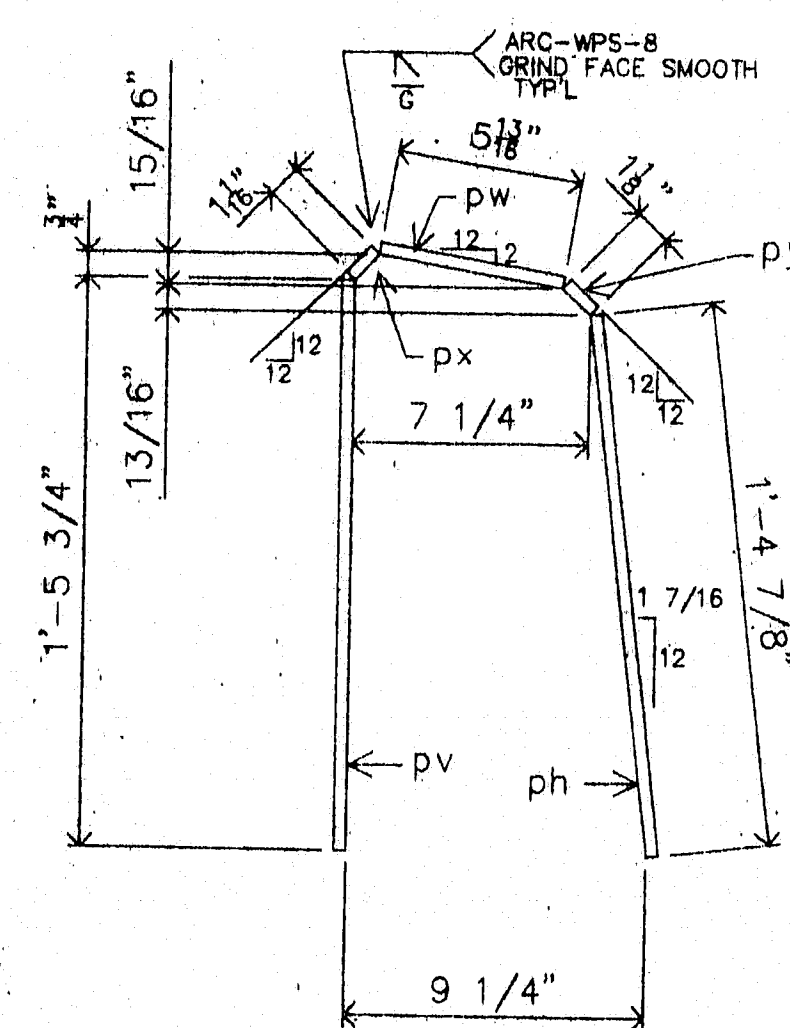


ONE-EXP. JOINT-A3 (AS SHOWN)

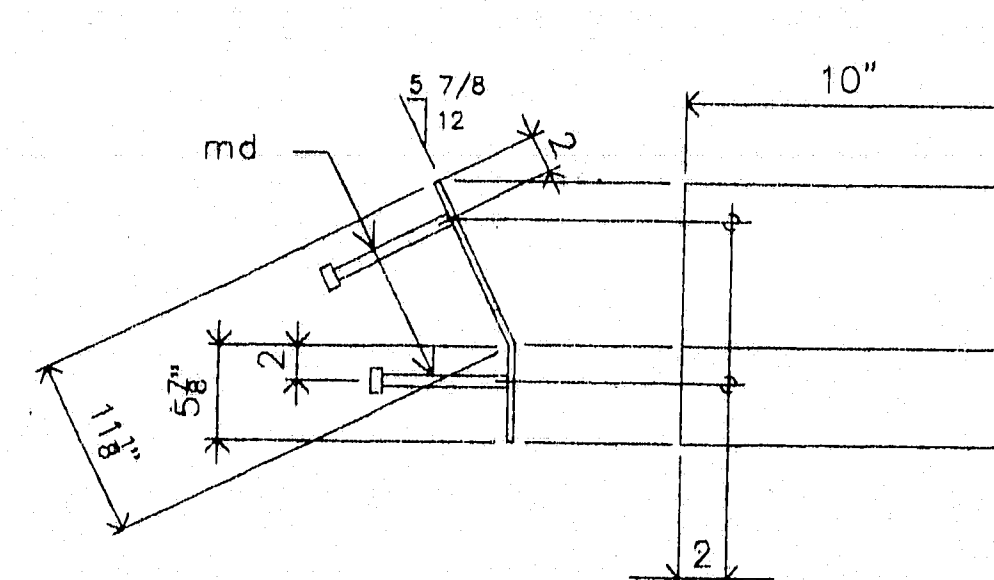
ONE-EXP. JOINT-B3 (OPP. HAND)



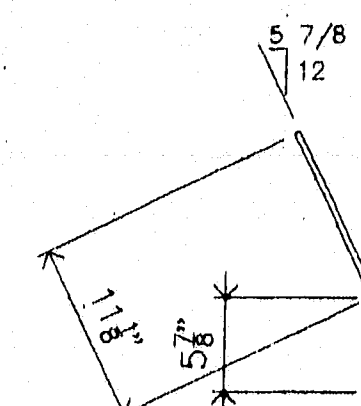
Submit LRP
For the well
including elevated
temperature Reinforcing
For welding Reinforcing
Steel for AWS D1.4



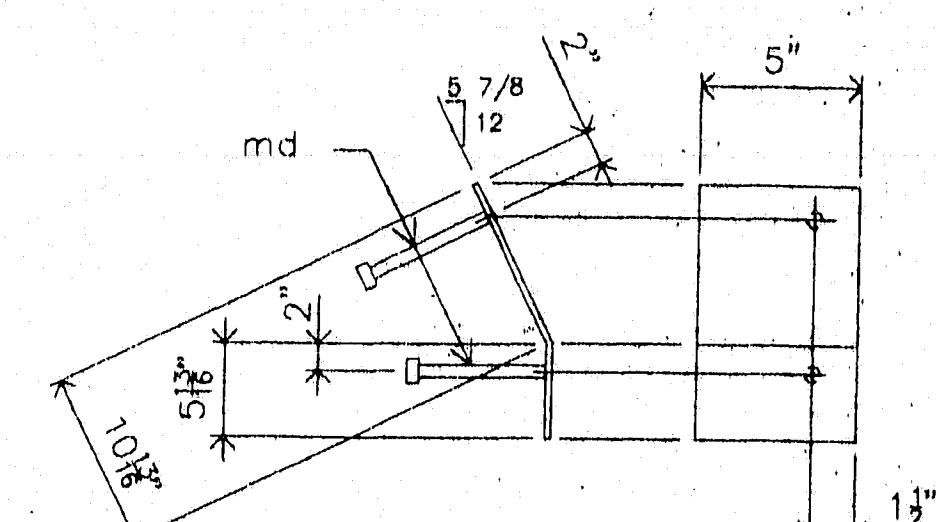
DETAIL @ OUTER BAR STOP



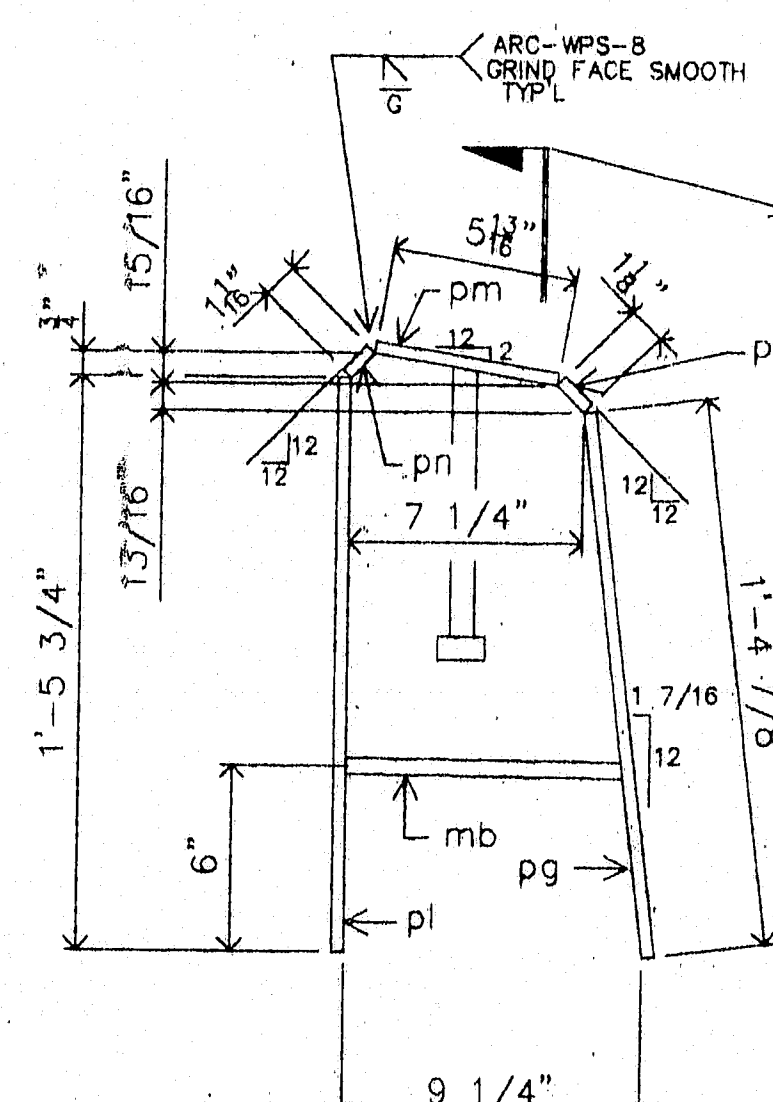
DETAIL @ pd



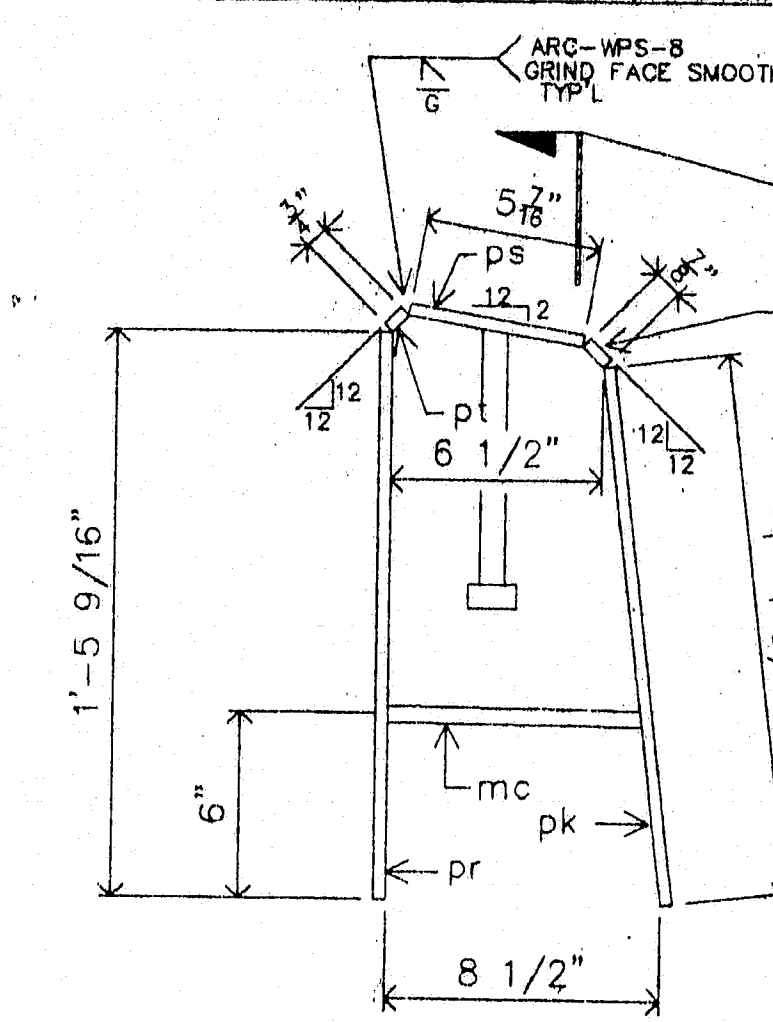
DETAIL @ pe



DETAIL @ pf
(BEND TO FIT INSIDE pd)



DETAIL @ OUTER BARRIER DAM



DETAIL @ INNER BARRIER DAM

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
Approved ☒ Returned for Corrections ☐
AUG 28 1997
Approved as noted ☐ Rejected ☐

MATERIALS LIST

MK	QTY	DESCRIPTION
A3	1	EXPANSION DEVICE ASSEMBLY
B3	1	EXPANSION DEVICE ASSEMBLY
pc3	2	CHK'D PL 3/8" x 10" x 7'-2 3/4" BEND/SHP'D
pb3	2	PL 3/8" x 2" x 7'-2 3/4" BEND/SHP'D 1L-1R
pe3	2	PL 3/8" x 5" x 7'-2 1/2" BEND
pd3	2	PL 3/8" x 10" x 1'-5" BEND 1L-1R
pe3	2	PL 3/8" x 2" x 1'-5" BEND
pf3	2	PL 3/8" x 5" x 1'-4 5/8" BEND
pg3	2	PL 3/8" x 10" x 1'-4 7/8" BEND 1L-1R
ph3	2	PL 3/8" x 2" x 1'-4 7/8" BEND
pk3	2	PL 3/8" x 5" x 1'-4 3/4" BEND
pl3	2	PL 3/8" x 10" x 1'-5 3/4" 1L-1R
pm3	2	PL 3/8" x 5 13/16" x 0'-10" 1L-1R
pn3	2	PL 3/8" x 1 1/16" x 0'-10" 1L-1R
pp3	2	PL 3/8" x 1 1/8" x 0'-10" 1L-1R
pr3	2	FB 3/8" x 2" x 1'-5 3/4"
ps3	2	FB 3/8" x 2" x 0'-5 13/16"
pt3	2	FB 3/8" x 2" x 0'-1 1/16"
pu3	2	PL 3/8" x 2" x 0'-1 1/8"
pv3	2	PL 3/8" x 5" x 1'-5 9/16"
pw3	2	PL 3/8" x 5" x 0'-5 7/16"
px3	2	PL 3/8" x 3/4" x 0'-5"
py3	2	PL 3/8" x 7/8" x 0'-5"
ma3	16	#6 REBAR x 1'-6" BEND AB15 GR 60
mb3	2	#6 REBAR x 1'-5" AB15 GR 60
mc3	2	#6 REBAR x 1'-3 1/2" AB15 GR 60
md3	12	1/2" x 0'-8" CONC STUDS

PROJ. NO. : BH-043-1(34)
ITEM NO. 520.22

MATL: A36 UN HOLES: AS NOTED
WELD: PER PROCEDURES NOTED
PREP: SP6
FINISH: 3 COATS ZINC RICH PRIMER
3 WDET PER COAT

FOR APPROVAL ONLY

120-346

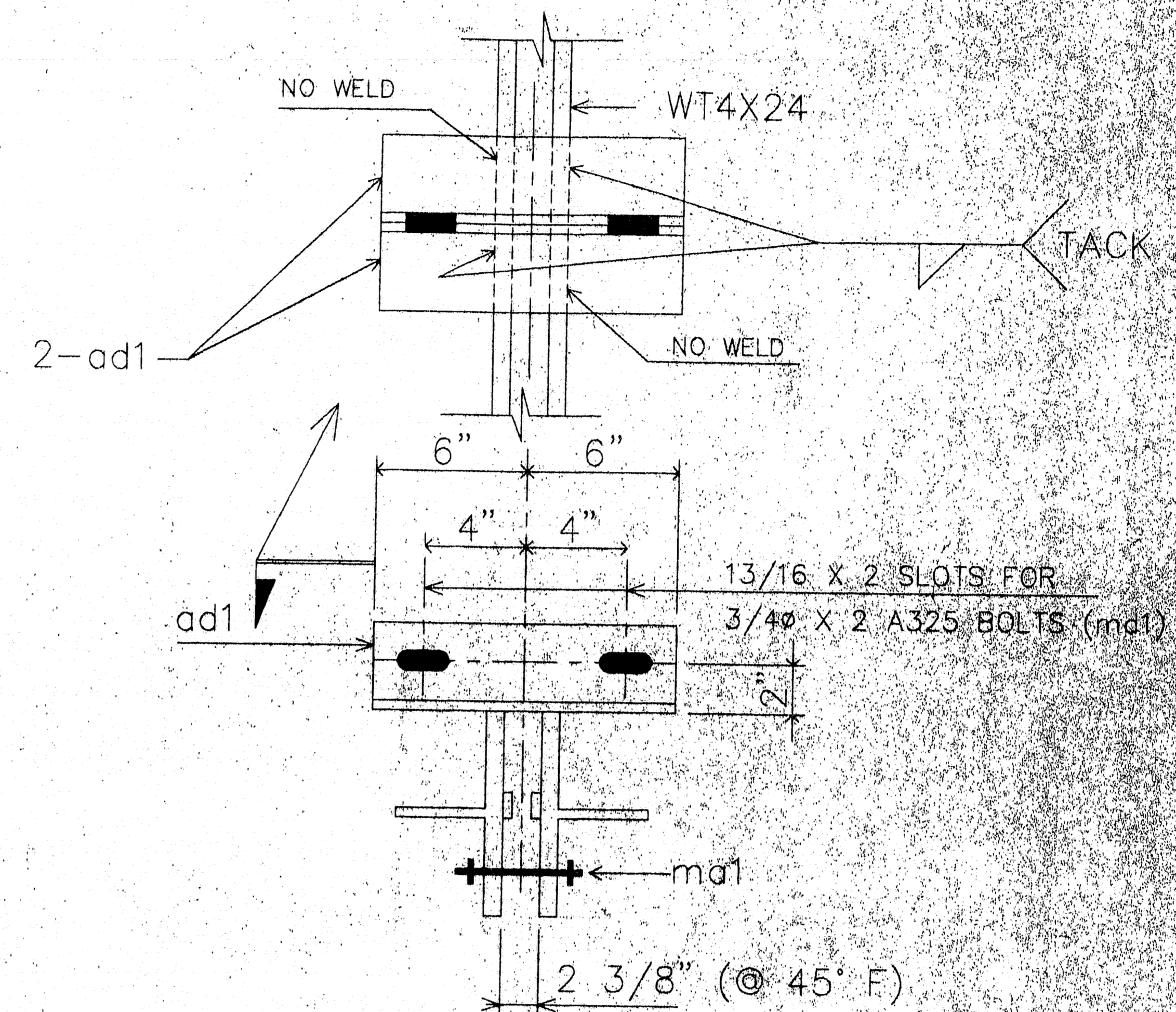
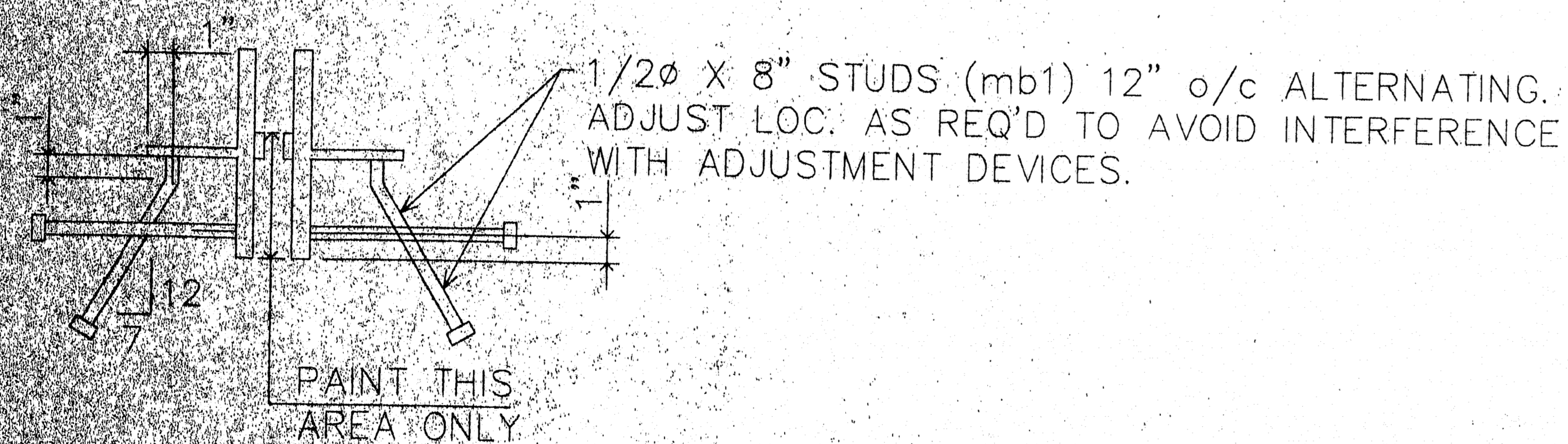
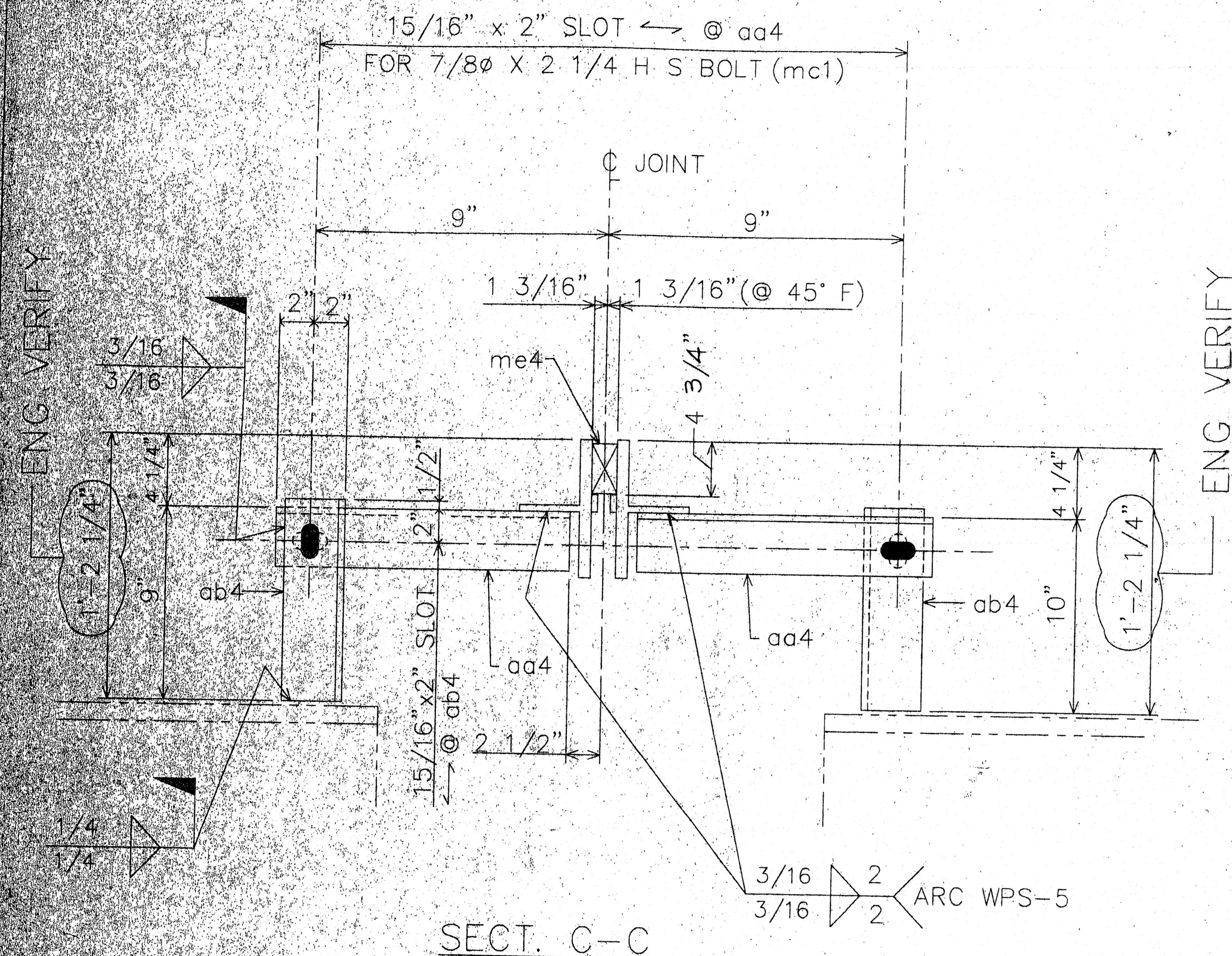
A.R.C. ENTERPRISES
KINGFIELD, MAINE

PROJECT: JOSHUA CHAMBERLAIN BRIDGE OVER THE
PENOBSCOT RIVER, BANGOR-BREWER, ME
SCALE: 1" = 1'-0" APPROVED BY: ☐ DRAWN BY: BB
DATE: 8/97 CHECKED BY: ☐
SIDEWALK DAM DETAIL @ PIER
REED & REED JOB NO. 87-49 DWG. NO. 4

* Prefer - Get Price on
Galvanizing Assembly.

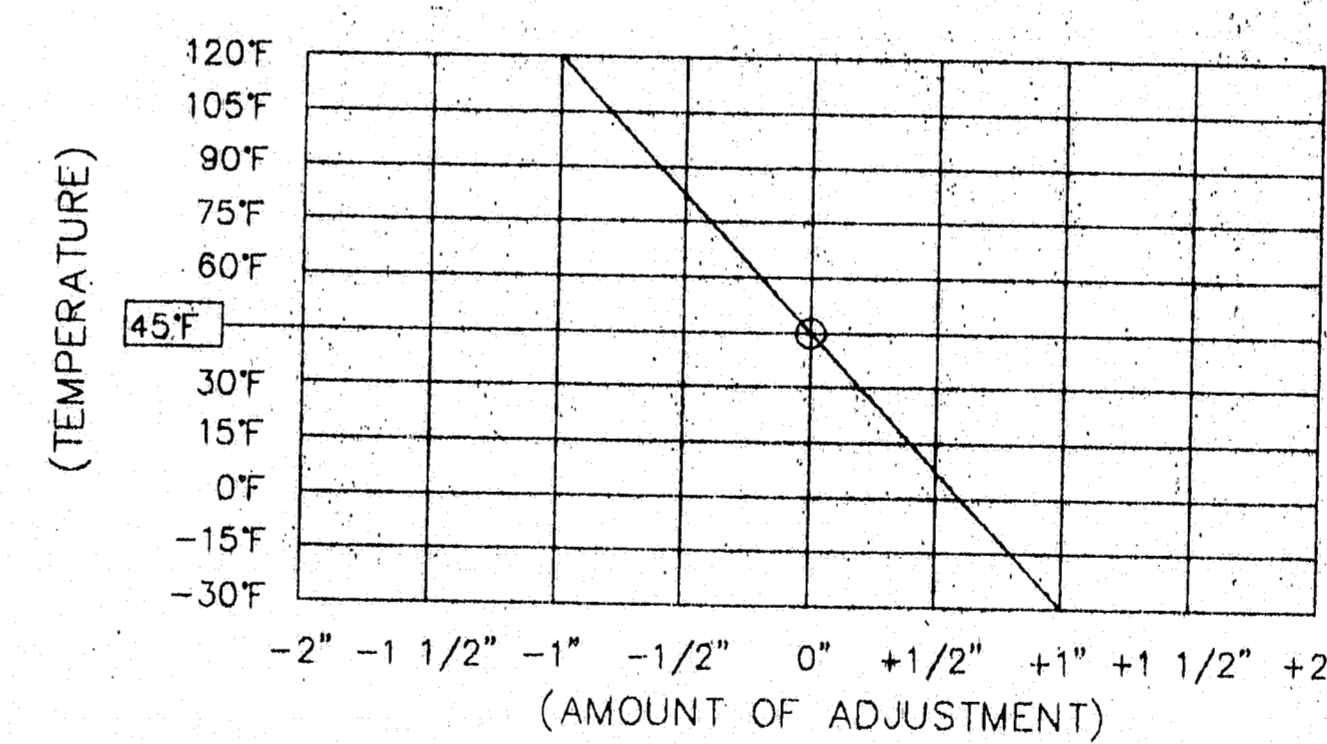
or
Use different Paint System.
Use Nipent List:
Typical Systems:
Carboline
Wasser & Long
Kaiser
1) Shellac Rich Primer
2) Zinc Rich Epoxy
3) Urethane.

Substitute a Flatbar of
Appropriate size and
Strength and use an
existing Fillet weld procedure.



TEMPERATURE ADJUSTING DEVICE

NOTE:
SHOP PLACE ADJUSTING DEVICES AT APPROX. 5'-0" O/C.
SHOP TO PRESET THE JOINT OPENING TO THE 45° F. SETTING.
CONTRACTOR TO REFER TO THE DESIGN DWG'S & SPEC'S FOR
INSTALLATION INSTRUCTIONS.



COMP. SEAL ADJUSTMENT CHART

FIELD NOTE:
ADJUST JOINT OPENING FOR TEMPERATURE AT TIME
OF INSTALLATION. ADJUSTMENT IS TO BE MEASURED
PARALLEL TO THE WORKING LINE.

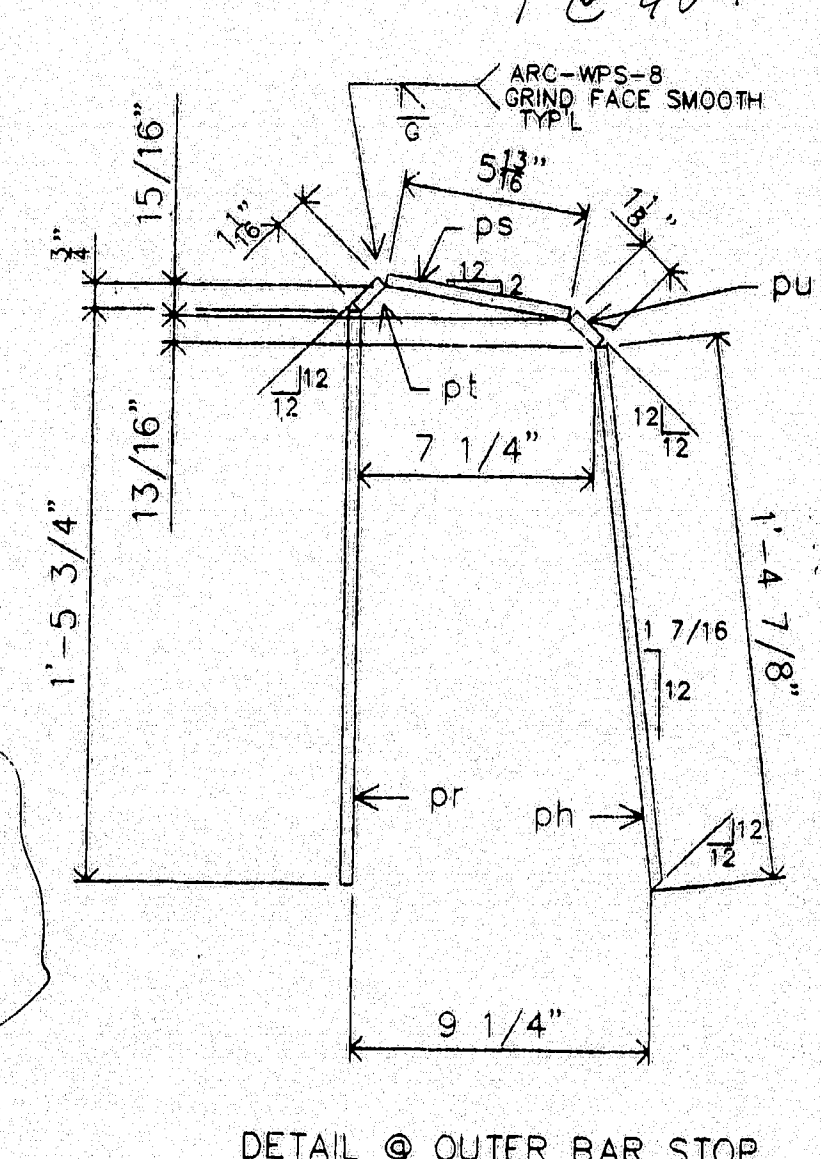
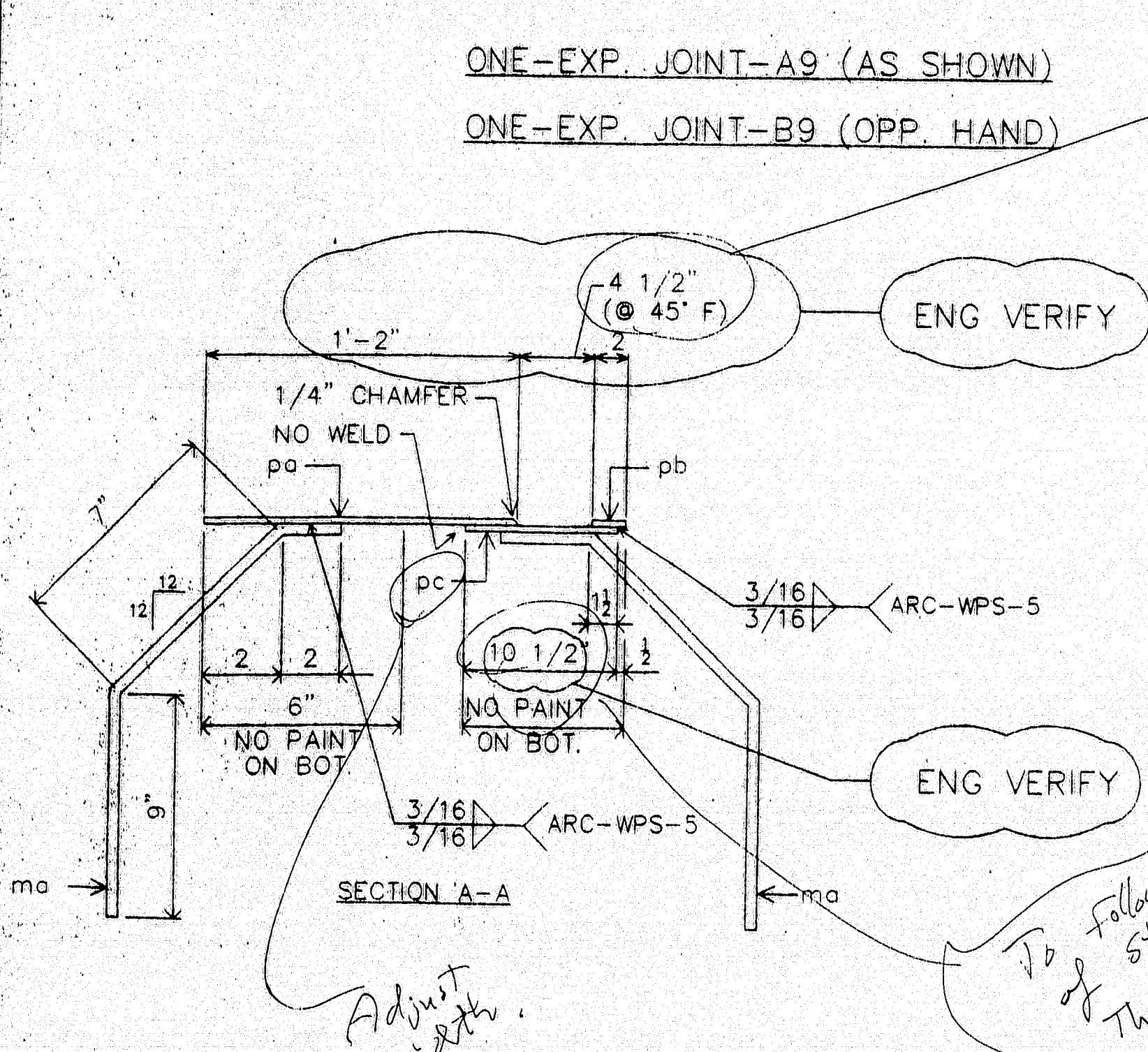
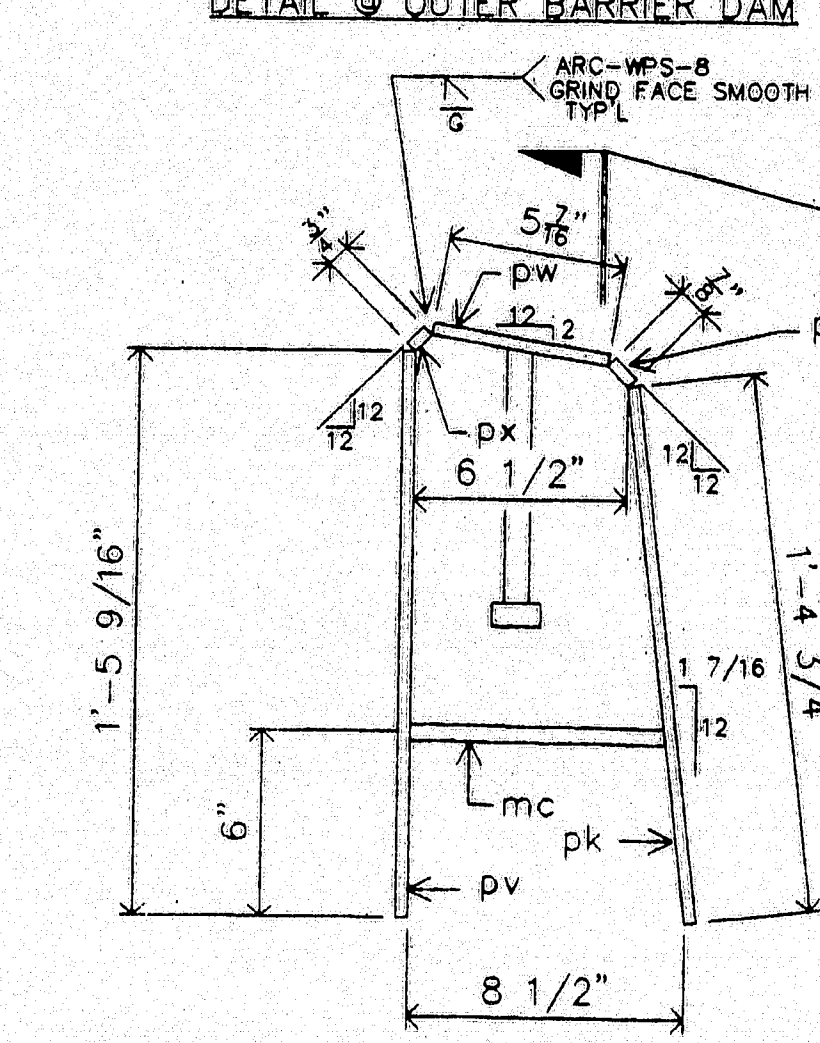
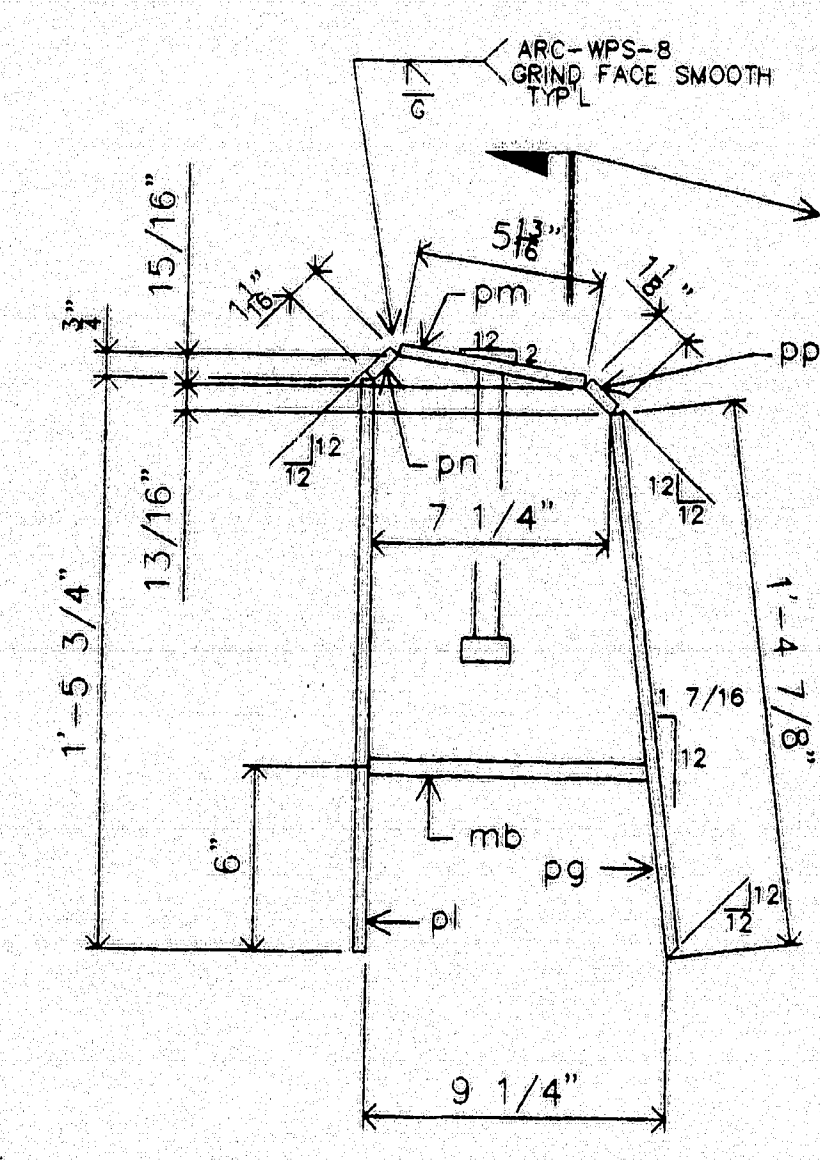
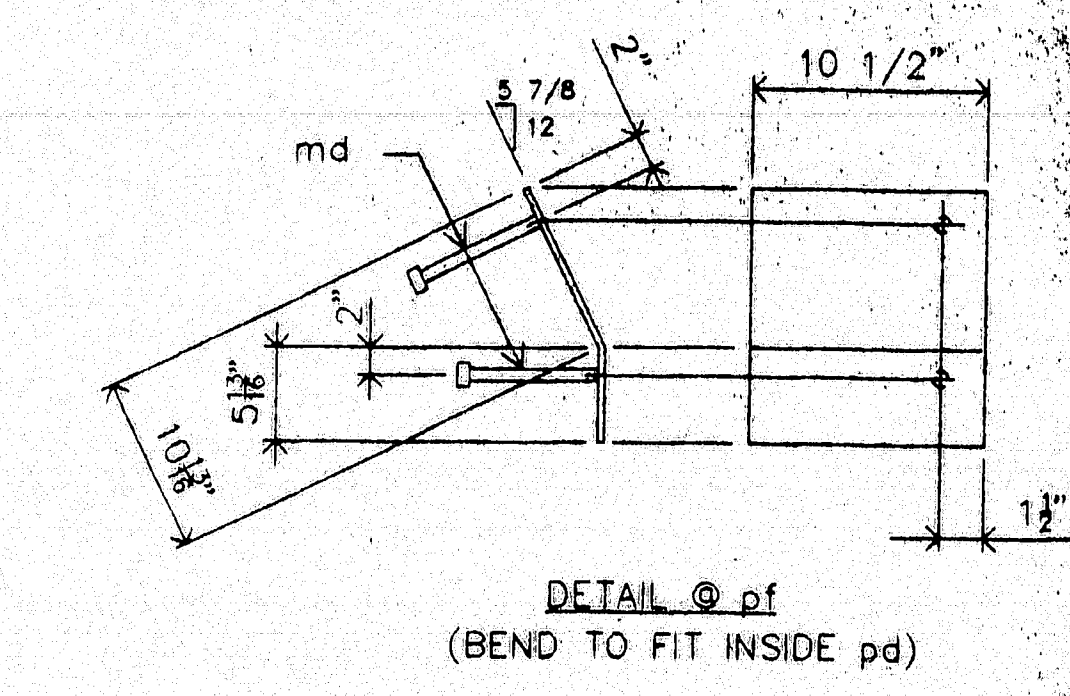
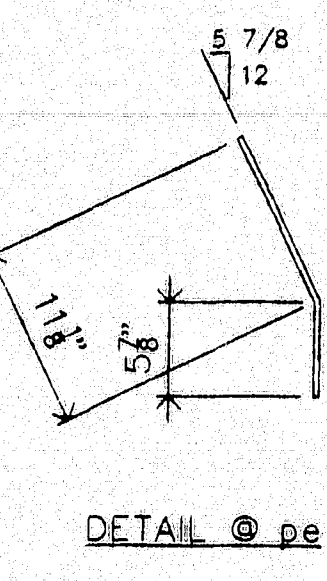
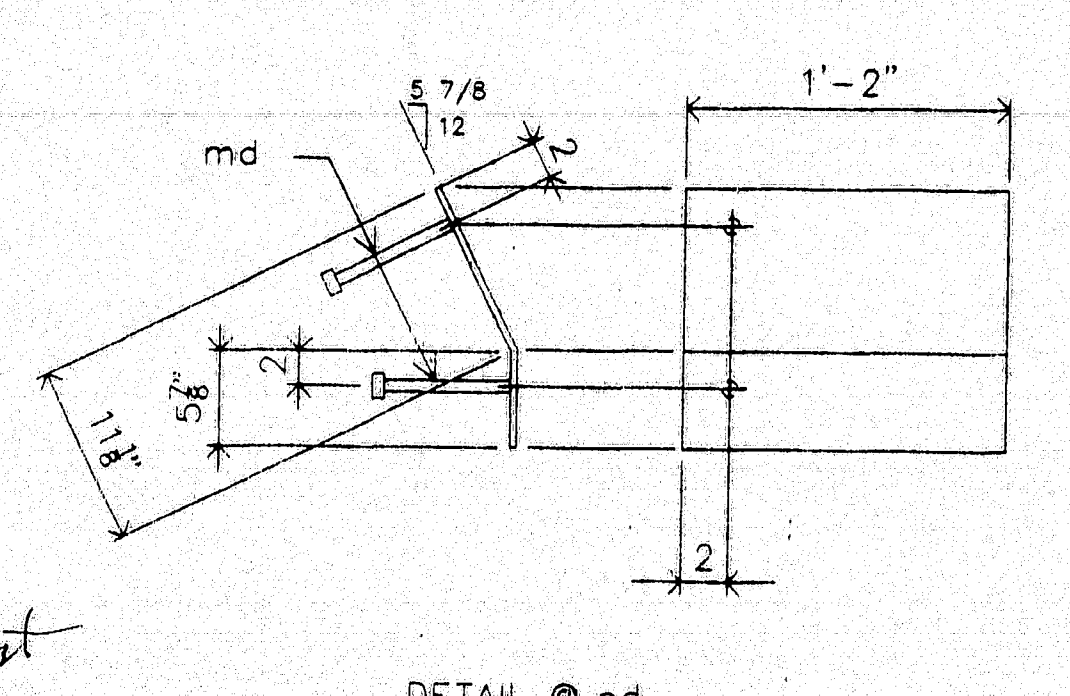
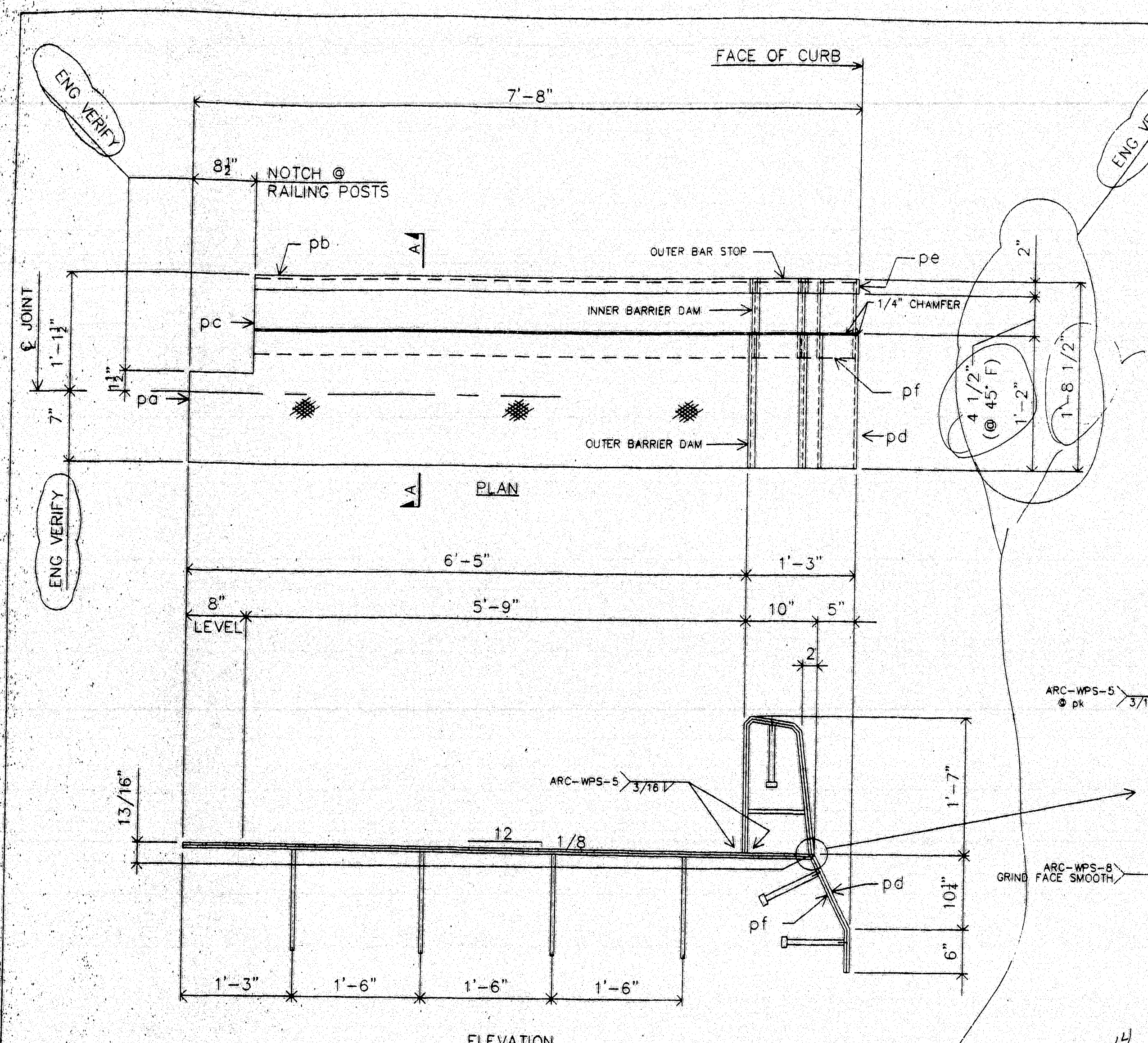
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Returned for Corrections
AUG 28 1997	
<input checked="" type="checkbox"/> Approved as noted	<input type="checkbox"/> Rejected

FOR APPROVAL
ONLY

PROJ. NO. BH-043-1(34)
ITEM NO. 520.22

120-348

A.R.C. ENTERPRISES KINGFIELD, MAINE			
PROJECT: JOSHUA CHAMBERLAIN BRIDGE OVER THE PENOBSCOT RIVER, BANGOR-BREWER, ME			
SCALE: 1/4"	APPROVED BY:	DRAWN BY:	BB
DATE: 6/97		DRWD. BY:	
EXPANSION JOINT DETAIL @ PIER 4			
REED & REED	308 NO. 97-49	DWG. NO. 11	



MATERIALS LIST		
MK	QTY	DESCRIPTION
A22	1	EXPANSION DEVICE ASSEMBLY
B22	1	EXPANSION DEVICE ASSEMBLY
pa22	2	CHK'D PL 3/8 x 14 x 7'-2 3/4" BEND/SHP'D 1L-1R
pb22	2	PL 3/8 x 2 x 7'-2 3/4" BEND/SHP'D 1L-1R
pc22	2	PL 3/8 x 10 1/2 x 7'-2 1/2" BEND
pd22	2	PL 3/8 x 14 x 1'-5" BEND 1L-1R
pe22	2	PL 3/8 x 2 x 1'-5" BEND
pf22	2	PL 3/8 x 10 1/2 x 1'-4 5/8" BEND
pg22	2	PL 3/8 x 14 x 1'-4 7/8" B1E 1L-1R
ph22	2	PL 3/8 x 2 x 1'-4 7/8" B1E
pk22	2	PL 3/8 x 10 1/2 x 1'-4 3/4"
pl22	2	PL 3/8 x 14 x 1'-5 3/4" 1L-1R
pm22	2	PL 3/8 x 5 13/16 x 1'-2" 1L-1R
pn22	2	PL 3/8 x 1 1/16 x 1'-2" 1L-1R
pp22	2	PL 3/8 x 1 1/8 x 1'-2" 1L-1R
pr22	2	FB 3/8 x 2 x 1'-5 3/4"
ps22	2	FB 3/8 x 2 x 0'-5 13/16"
pt22	2	FB 3/8 x 2 x 0'-1 1/16"
pu22	2	PL 3/8 x 2 x 0'-1 1/8"
pv22	2	PL 3/8 x 10 1/2 x 1'-5 9/16"
pw22	2	PL 3/8 x 5 7/16 x 0'-10 1/2"
px22	2	PL 3/8 x 3/4 x 0'-10 1/2"
py22	2	PL 3/8 x 7/8 x 0'-10 1/2"
ma22	16	#6 REBAR x 1'-6" BEND A615,GR. 60
mb22	2	#6 REBAR x 0'-8 1/2" A615,GR. 60
mc22	2	#6 REBAR x 0'-7 3/4" A615,GR. 60
md22	12	1/2" x 0'-8" CONC STUDS
PROJ. NO. BH-043-1(34)		
ITEM NO. 520.22		

MATL: A36 UN HOLES: AS NOTED
 WELD: PER PROCEDURES NOTED
 PREP: SP6
 FINISH: 3 COATS ZINC RICH PRIMER
 3 MDFT PER COAT

120-349
 FOR APPROVAL ONLY

A.R.C. ENTERPRISES KINGFIELD, MAINE	
PROJECT: JOSHUA CHAMBERLAIN BRIDGE OVER THE PENOBSCOT RIVER, BANGOR-BREWER, ME	
SCALE: ~	APPROVED BY: BB
DATE: 7/97	CHKD BY:
SIDEWALK DAM DETAIL @ PIER 11	
REED & REED	JOB NO. 97-49 DWG. NO. 22

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Returned for Corrections
AUG 21 1997	
<input checked="" type="checkbox"/> Approved as noted	<input type="checkbox"/> Rejected

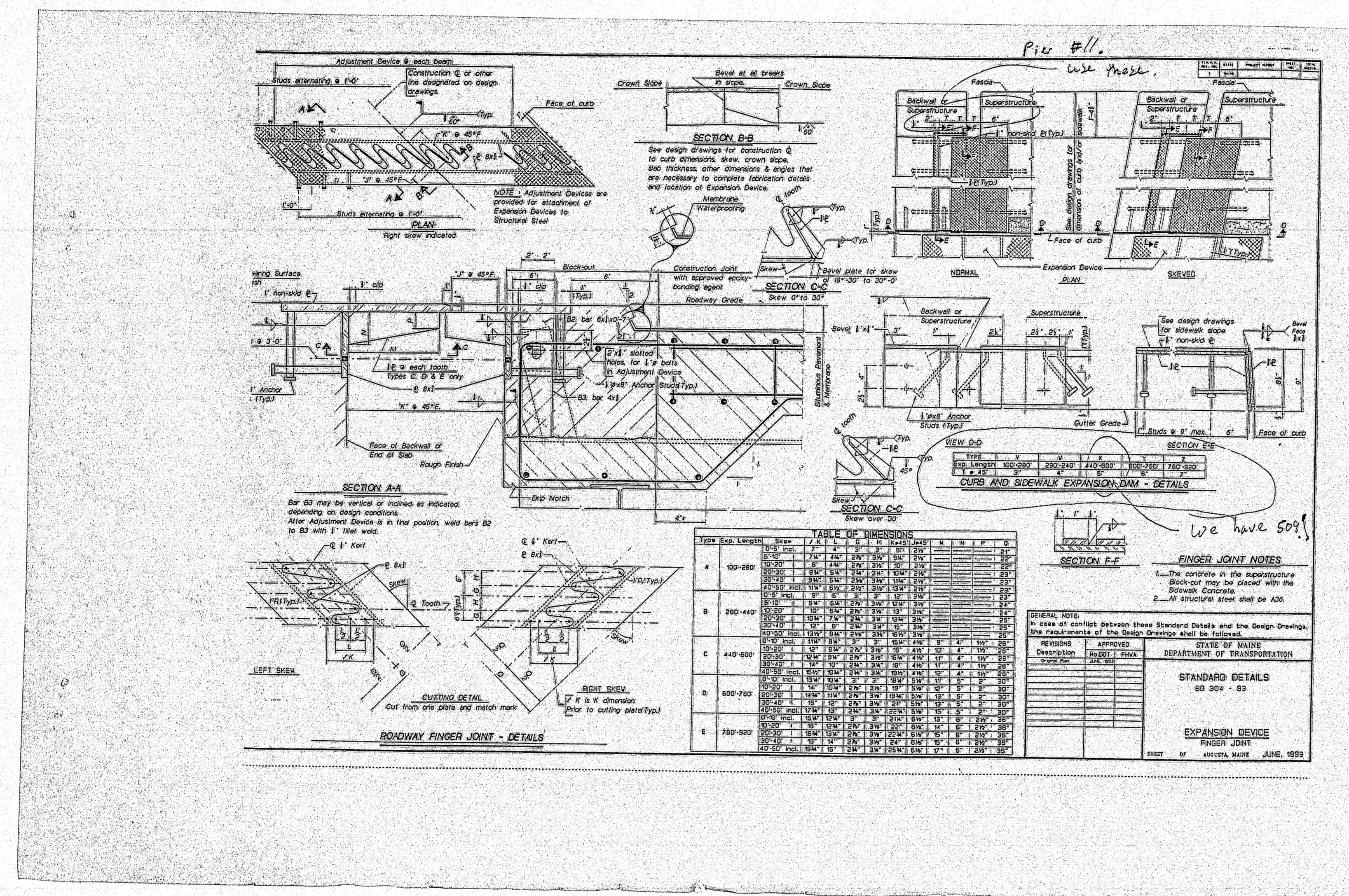
See Sheet
15 For
Comments

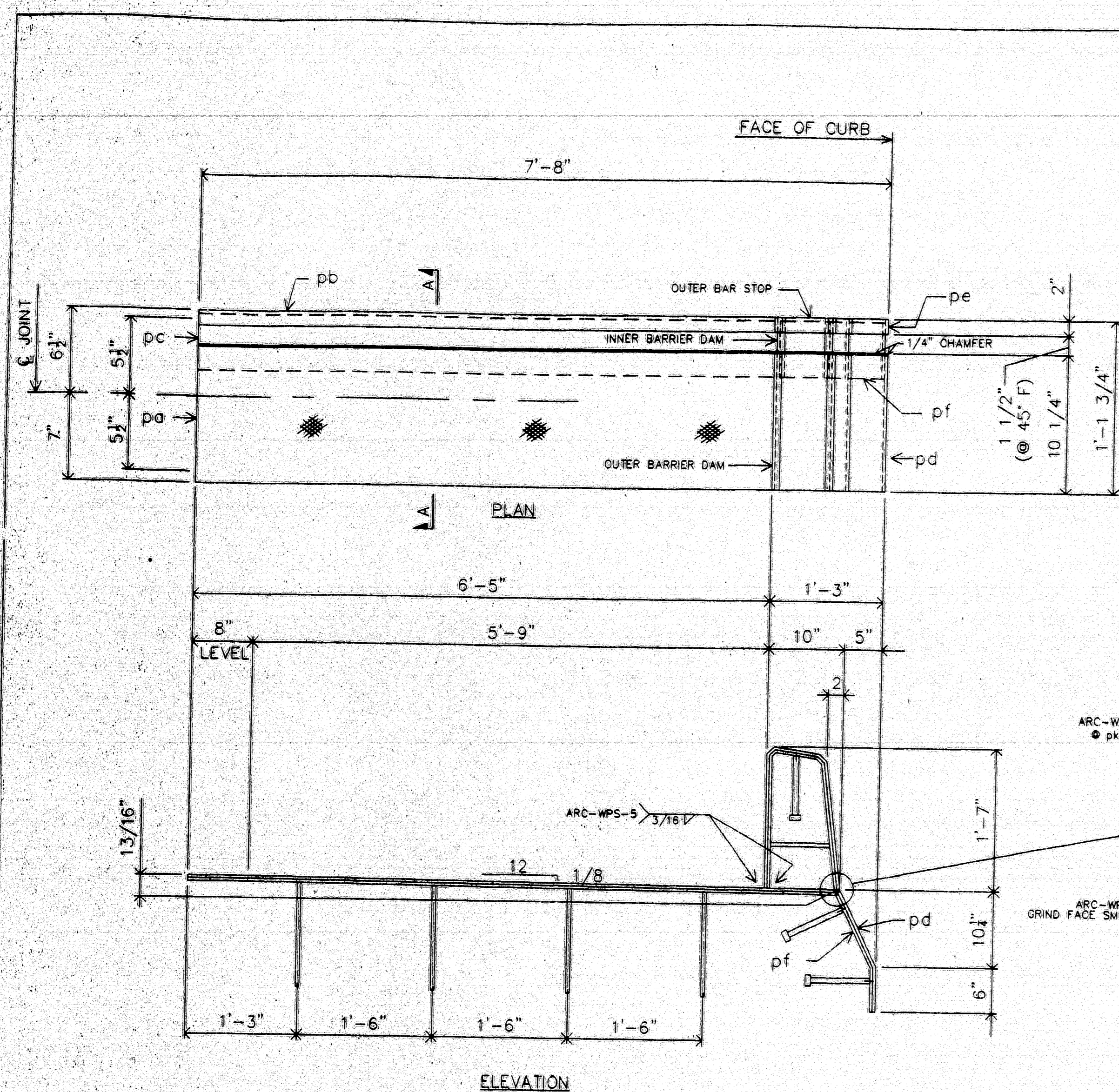
SHOP NOTE:
OUTER BARRIER & OUTER BAR STOP
TO BE FABRICATED TO FIT OVER THE
INNER BARRIER UNIT.

Expansion Length - Pier #14 @ 35' x 38'
 Pier #10 @ 30' x 29.25'
 509.25'
 Std Detail BD-304-93
 T @ 45° From 440' to 600'
 Length is 5"

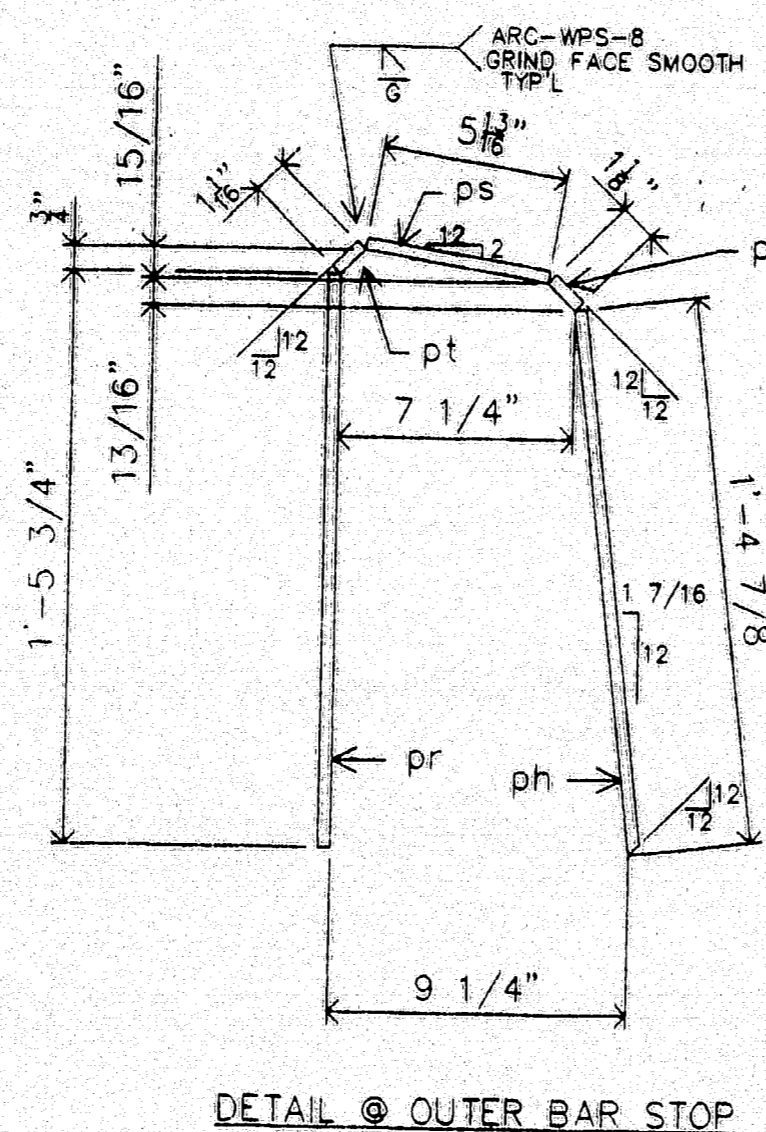
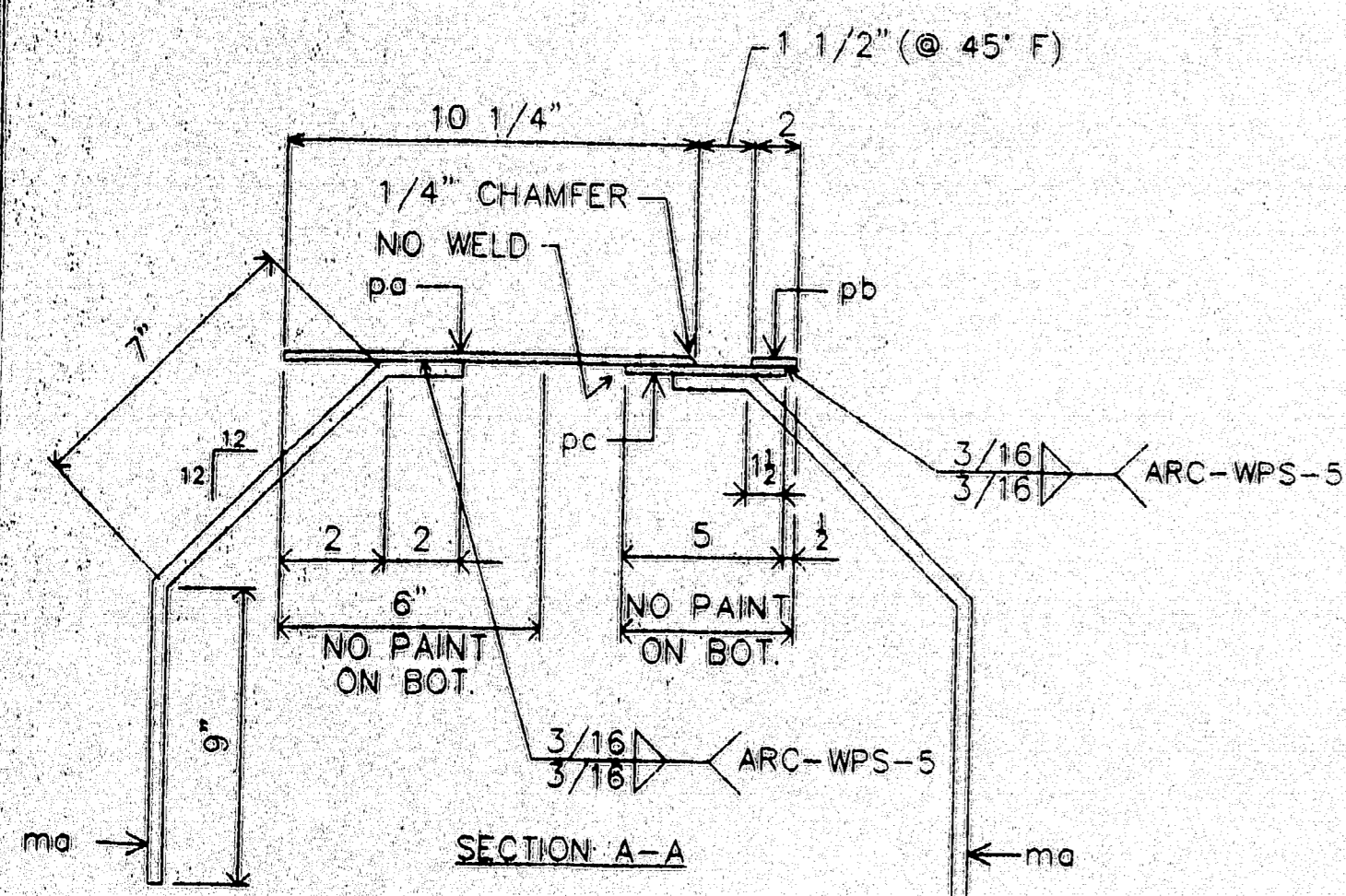
To follow example
of Std Detail
This should be 11"

ONE-EXP. JOINT-A9 (AS SHOWN)
 ONE-EXP. JOINT-B9 (OPP. HAND)

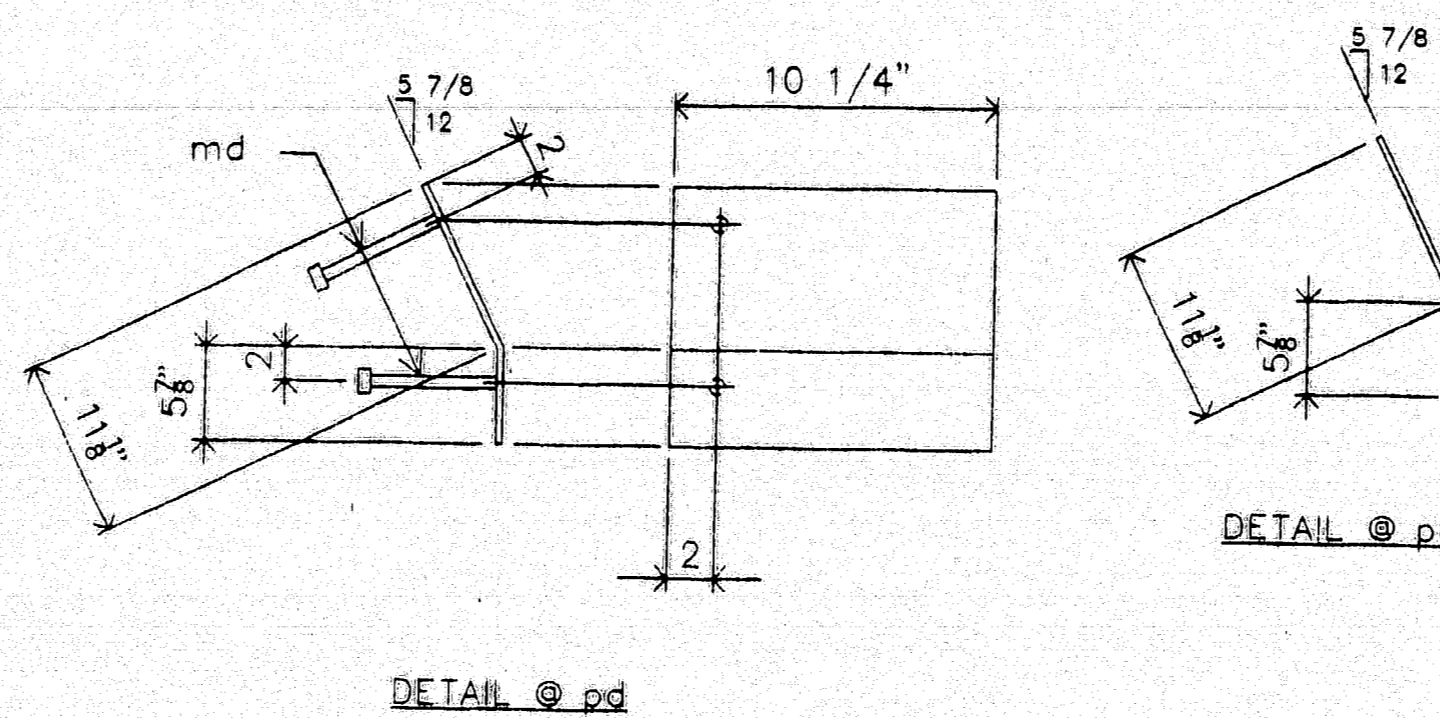




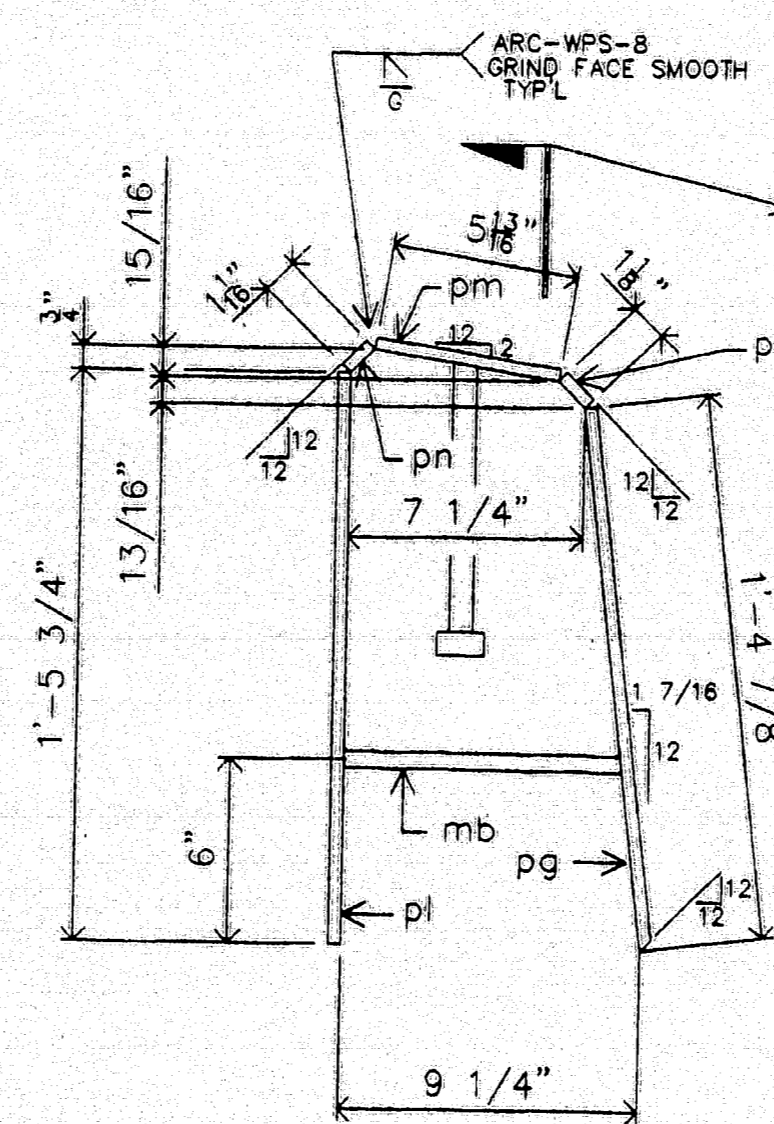
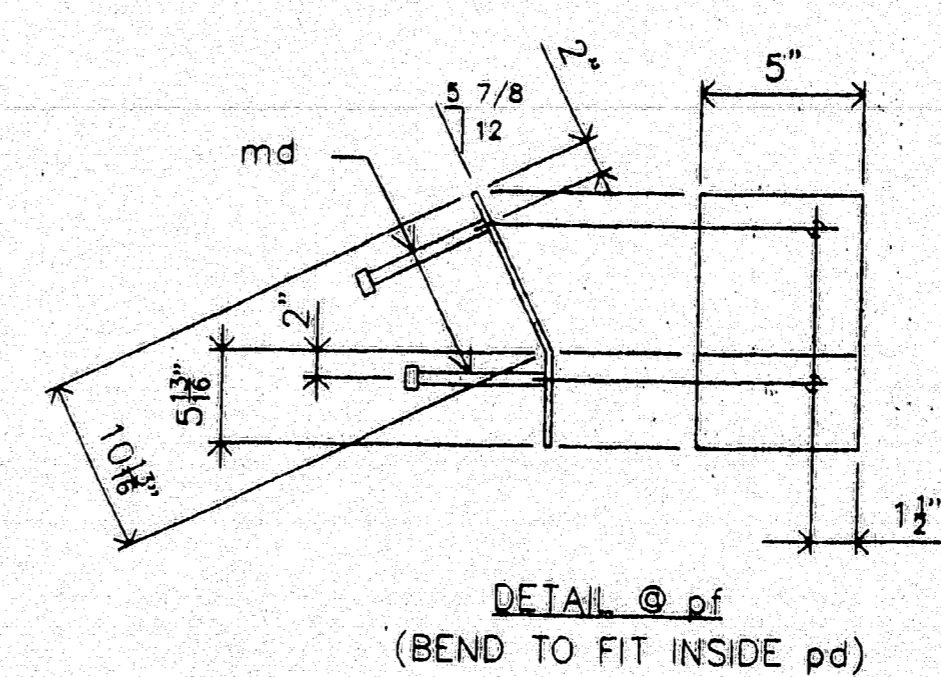
ONE-EXP. JOINT-A21 (AS SHOWN)
ONE-EXP. JOINT-B21 (OPP. HAND)



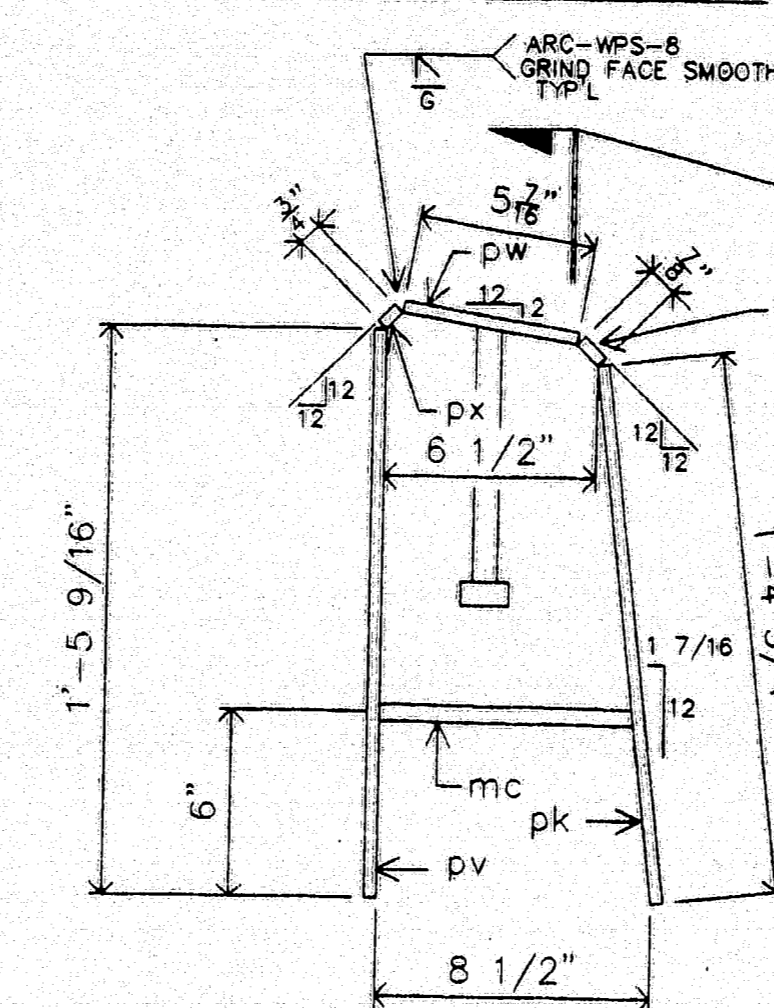
DETAIL @ OUTER BAR STOP



DETAIL @ pd



DETAIL @ OUTER BARRIER DAM



DETAIL @ INNER BARRIER DAM

SHOP NOTE:
OUTER BARRIER & OUTER BAR STOP
TO BE FABRICATED TO FIT OVER THE
INNER BARRIER UNIT.

See Sht 15
for Comments.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AUG 21 1997
Approved as noted
Approved
Returned for Corrections
Rejected

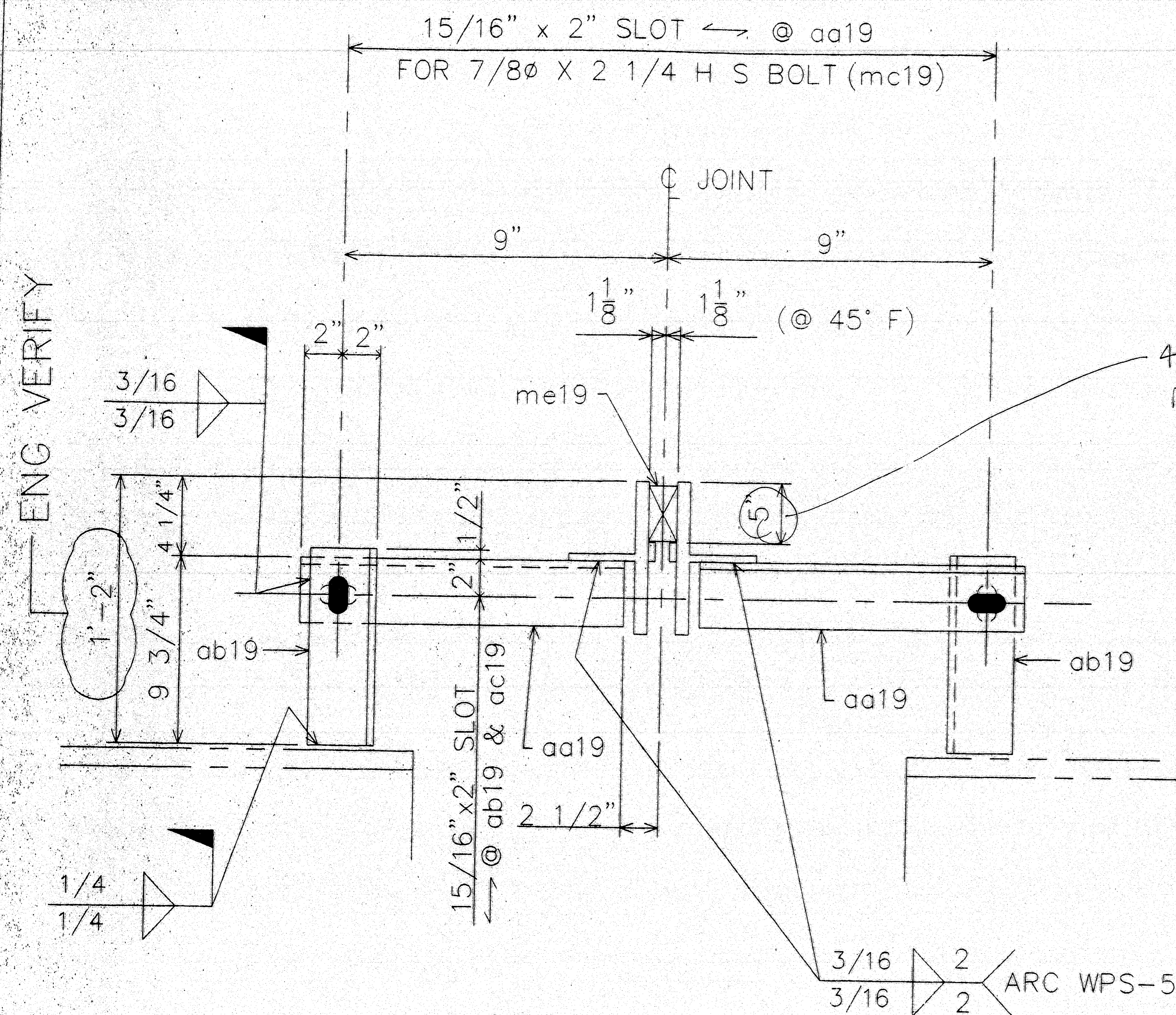
MATERIALS LIST

MK	QTY	DESCRIPTION
A21	1	EXPANSION DEVICE ASSEMBLY
B21	1	EXPANSION DEVICE ASSEMBLY
pa21	2	CHK'D PL 3/8 X 10 1/4 X 7'-2 3/4 BEND SHPD
pb21	2	PL 3/8 X 2 X 7'-2 3/4 BEND SHPD 1L-1R
pc21	2	PL 3/8 X 5 X 7'-2 1/2 BEND
pd21	2	PL 3/8 X 10 1/4 X 1'-5 BEND 1L-1R
pe21	2	PL 3/8 X 2 X 1'-5 BEND
pf21	2	PL 3/8 X 5 X 1'-4 5/8 BEND
pg21	2	PL 3/8 X 10 1/4 X 1'-4 7/8 BIE 1L-1R
ph21	2	PL 3/8 X 2 X 1'-4 7/8 BIE
pk21	2	PL 3/8 X 5 X 1'-4 3/4
pl21	2	PL 3/8 X 10 1/4 X 1'-5 3/4 1L-1R
pm21	2	PL 3/8 X 5 13/16 X 0'-10 1/4 1L-1R
pn21	2	PL 3/8 X 1 1/16 X 0'-10 1/4 1L-1R
pp21	2	PL 3/8 X 1 1/8 X 0'-10 1/4 1L-1R
pr21	2	FB 3/8 X 2 X 1'-5 3/4
ps21	2	FB 3/8 X 2 X 0'-5 13/16
pt21	2	FB 3/8 X 2 X 0'-1 1/16
pu21	2	PL 3/8 X 2 X 0'-1 1/8
pv21	2	PL 3/8 X 5 X 1'-5 9/16
pw21	2	PL 3/8 X 5 X 0'-5 7/16
px21	2	PL 3/8 X 3/4 X 0'-5
py21	2	PL 3/8 X 7/8 X 0'-5
ma21	16	#6 REBAR X 1'-6 BEND A615, GR 60
mb21	2	#6 REBAR X 0'-8 1/2 A615, GR 60
mc21	2	#6 REBAR X 0'-7 3/4 A615, GR 60
md21	12	1/2 X 0'-8 CONC STUDS
PROJ. NO. BH-043-1(34)		
ITEM NO. 520.22		

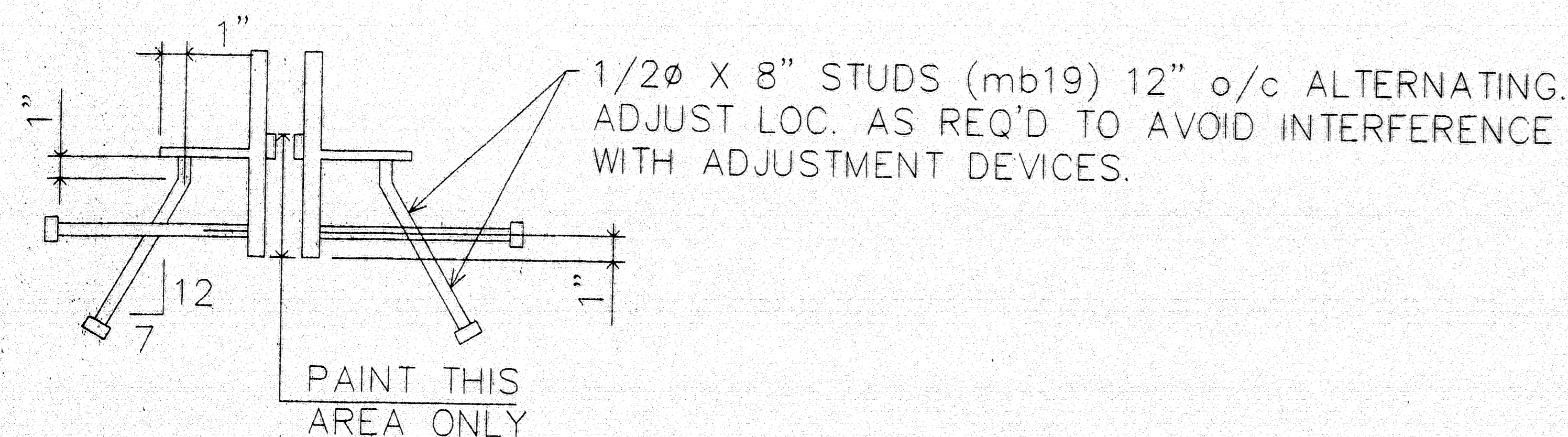
MATL: A36 UN HOLES AS NOTED
WELD: PER PROCEDURES NOTED
PREP: SP6
FINISH: 3 COATS ZINC RICH PRIMER
3 MDFT PER COAT.

120-350
FOR APPROVAL
ONLY

A.R.C. ENTERPRISES
KINGFIELD, MAINE
PROJECT: JOSHUA CHAMBERLAIN BRIDGE OVER THE
PENOBSCOT RIVER, BANGOR-BREWERY, ME
SCALE: 1"=1'-0" APPROVED BY: [Signature] DRAWN BY: [Signature]
DATE: 7/97 CHKD BY: [Signature]
SIDEWALK DAM DETAIL @ HINGE SPAN 9
REED & REED, INC. JOB NO. 97-49 DWG. NO. 21

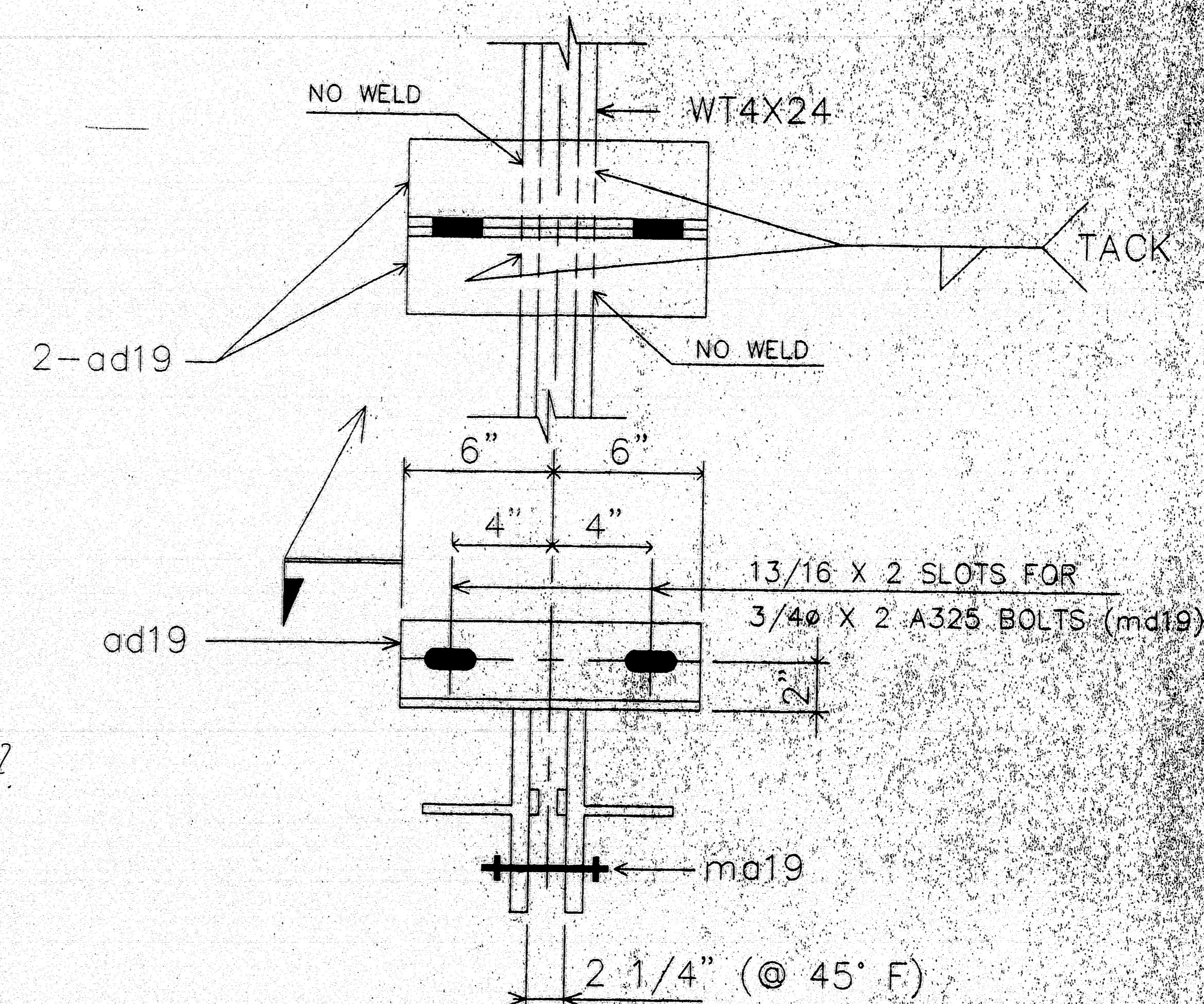


SECT. C-C



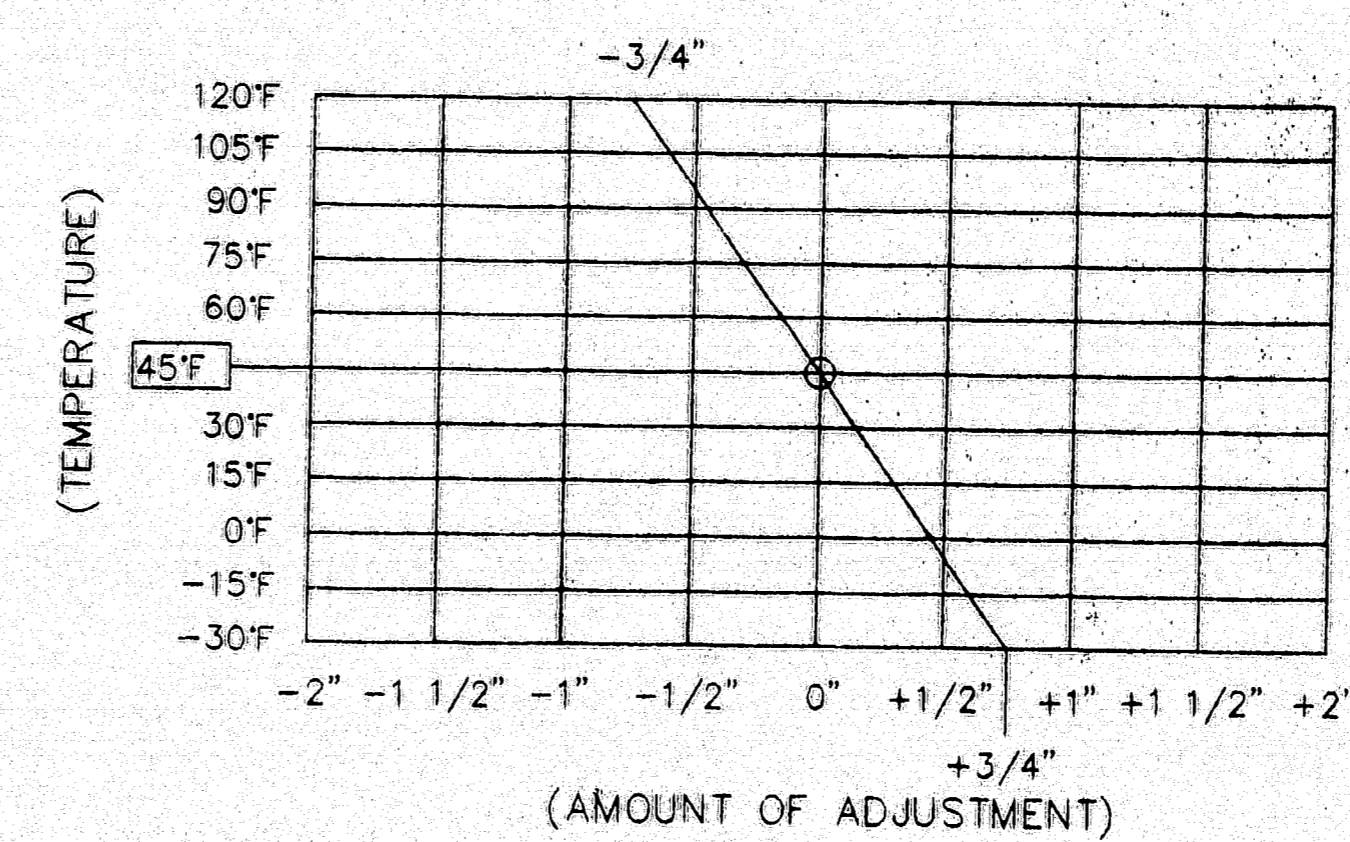
SECT. D-D

4"??
My sales info shows a
WA 350 to be 3 1/2"
in nominal height
sta Detail BD-301-93
indicates a typical
section leaves a 1/2"
clear between top of
seal and top of flange.
3 1/2" + 1/2" = 4"??



TEMPERATURE ADJUSTING DEVICE

NOTE:
SHOP PLACE ADJUSTING DEVICES AT APPROX. 5'-0" O/C.
SHOP TO PRESET THE JOINT OPENING TO THE 45°F SETTING.
CONTRACTOR TO REFER TO THE DESIGN DWG'S & SPEC'S FOR
INSTALLATION INSTRUCTIONS.



COMP. SEAL ADJUSTMENT CHART

FIELD NOTE:
ADJUST JOINT OPENING FOR TEMPERATURE AT TIME
OF INSTALLATION. ADJUSTMENT IS TO BE MEASURED
PARALLEL TO THE WORKING LINE.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Returned for Corrections
AUG 21 1997	
<input checked="" type="checkbox"/> Approved as noted	<input type="checkbox"/> Rejected

FOR APPROVAL
ONLY

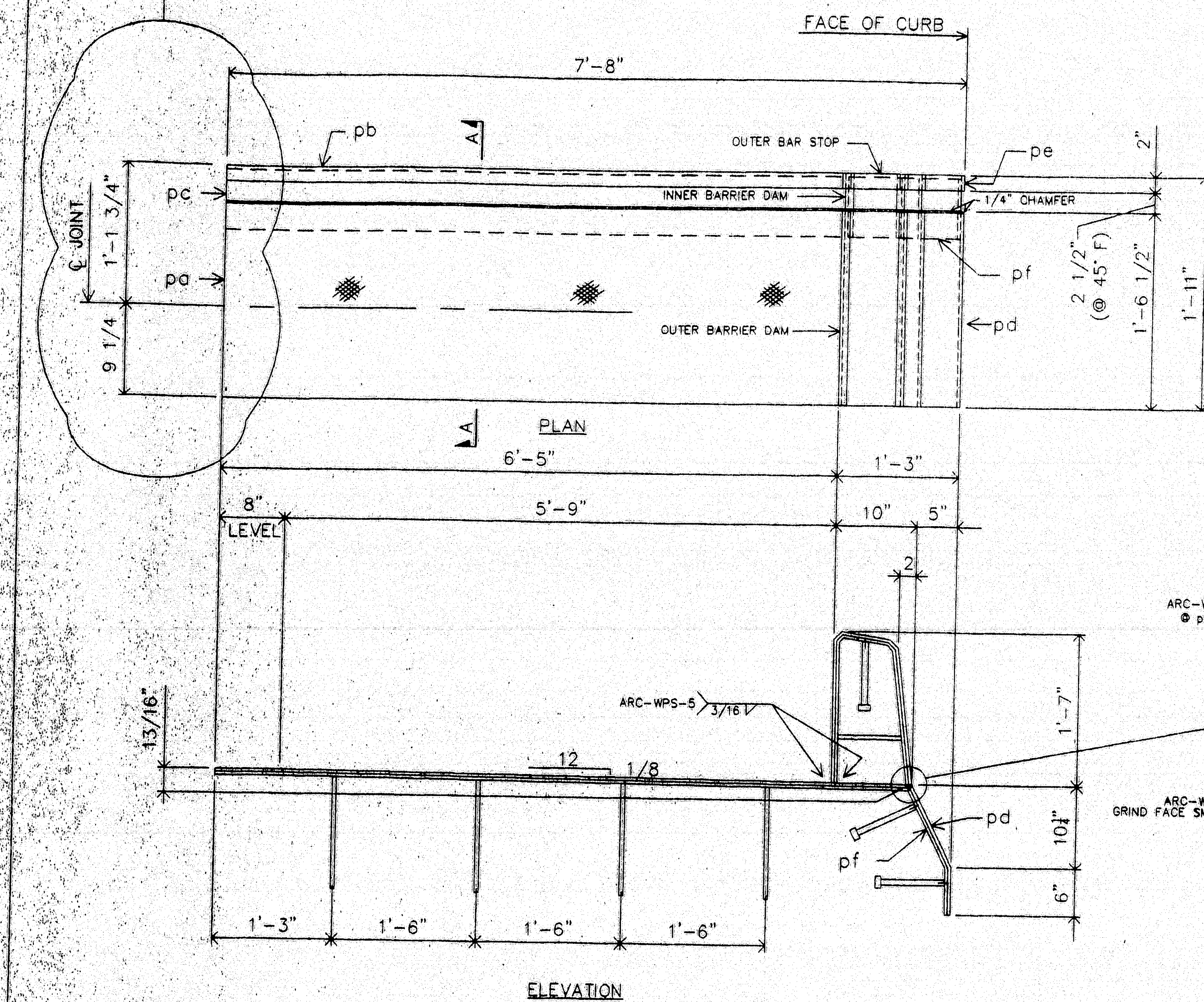
PROJ. NO. : BH-043-1(34)
ITEM NO. : 520.22

120-351

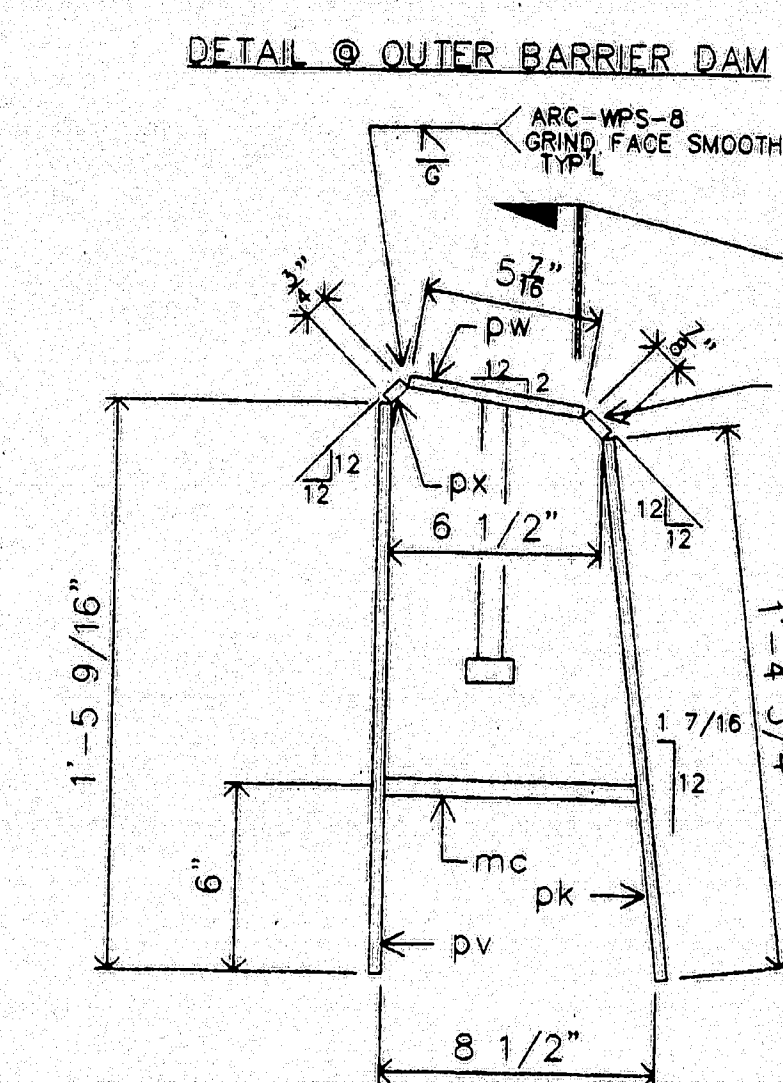
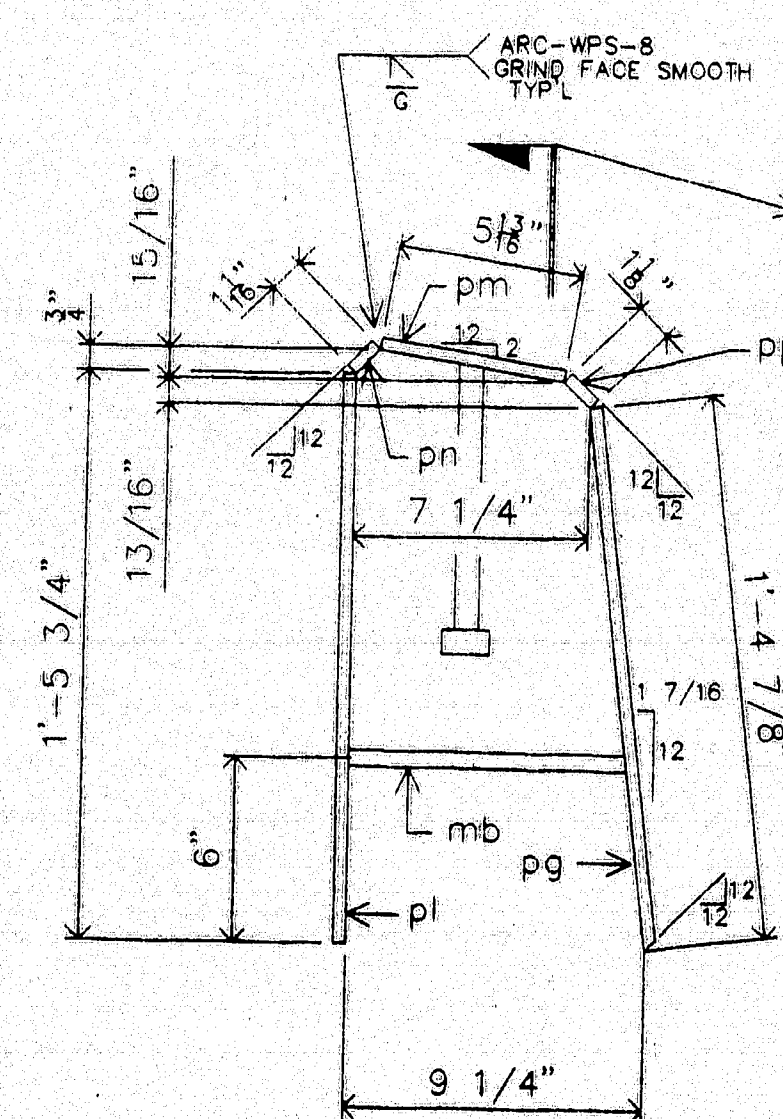
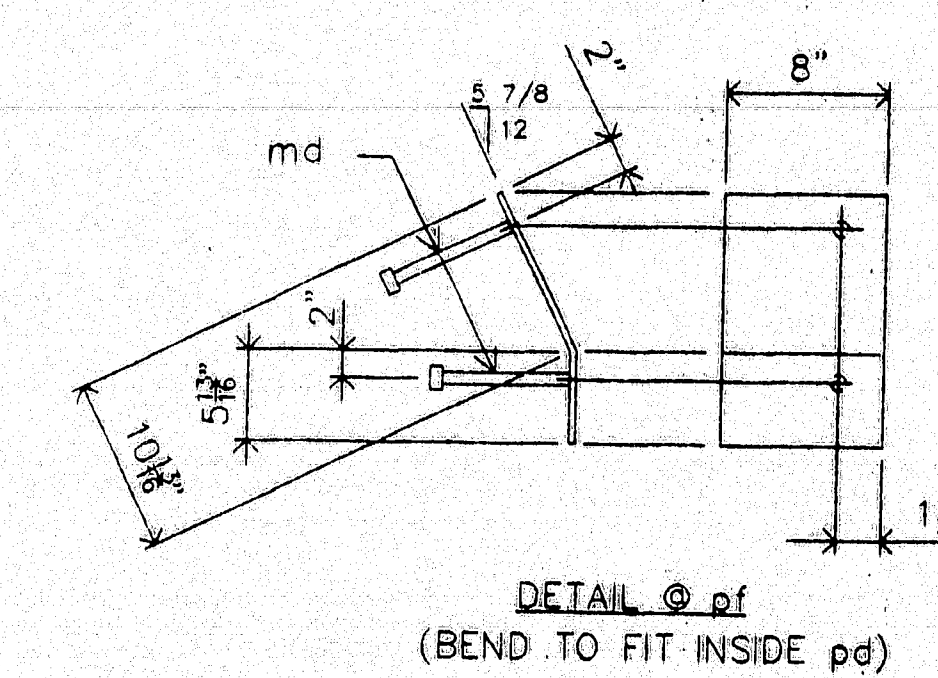
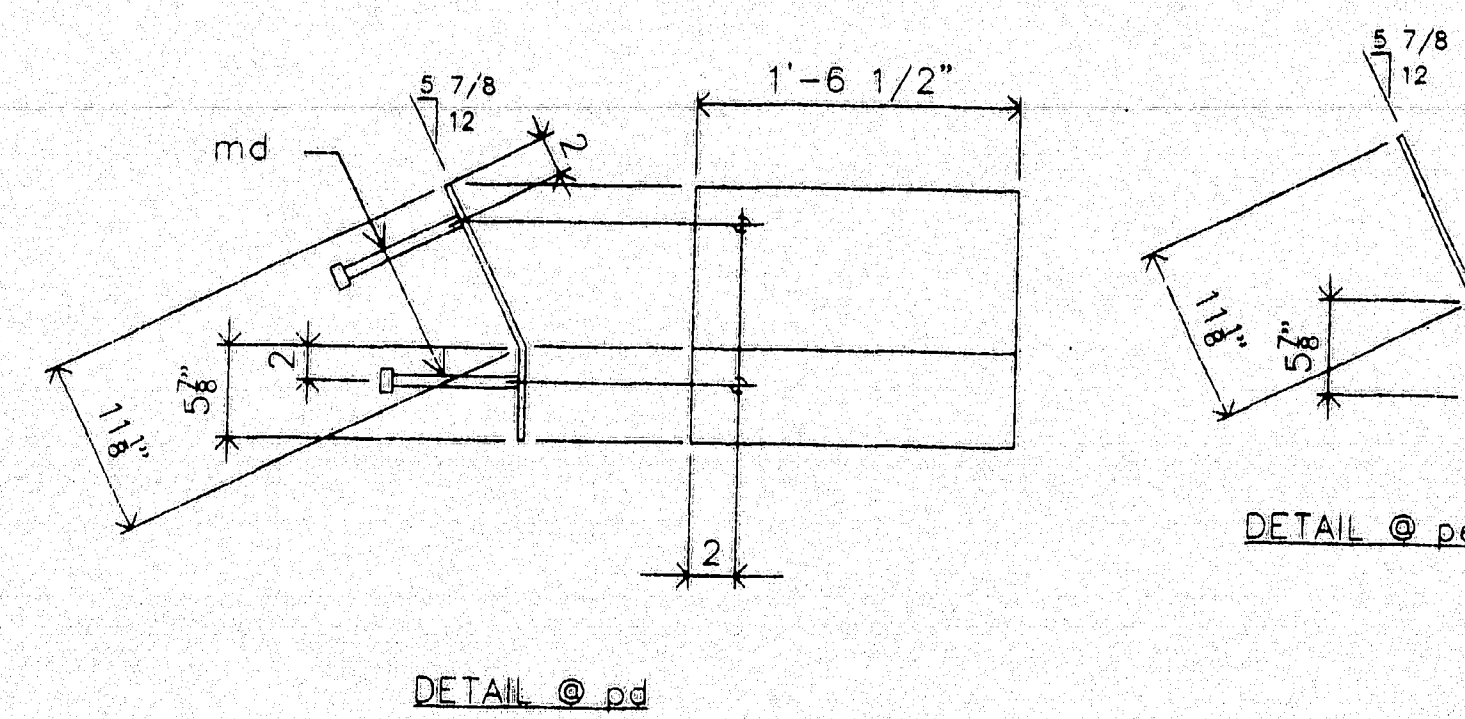
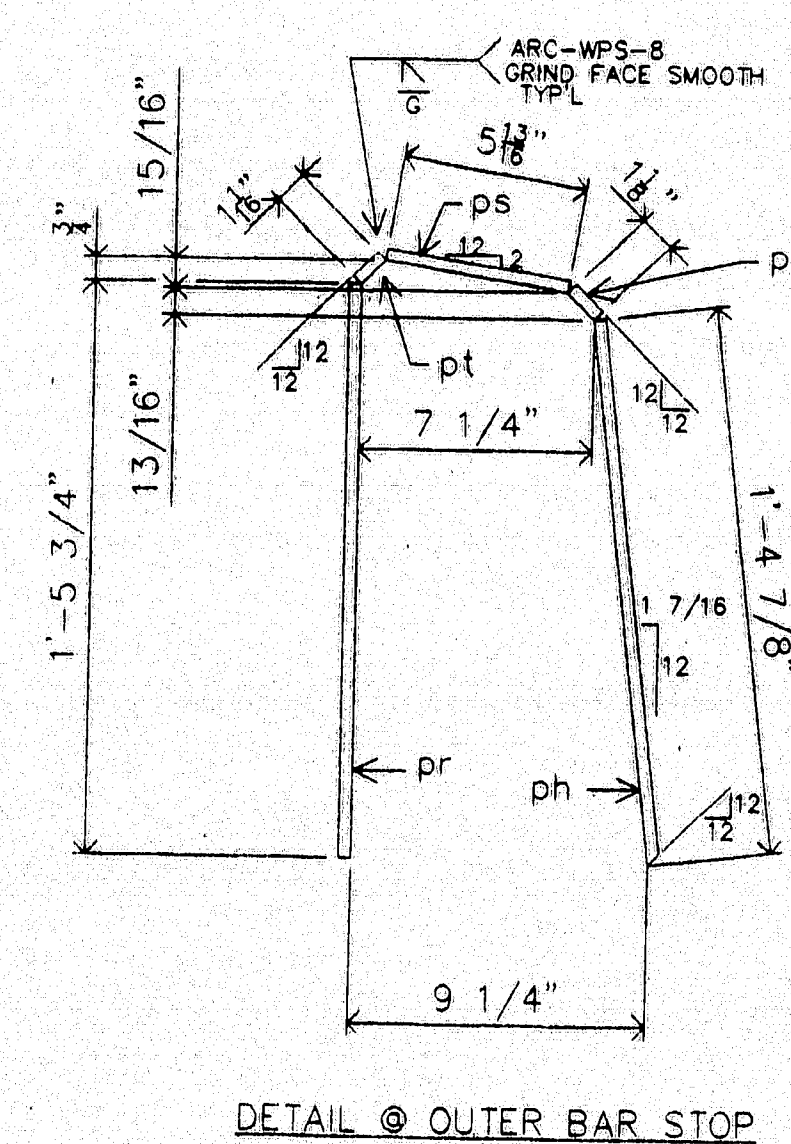
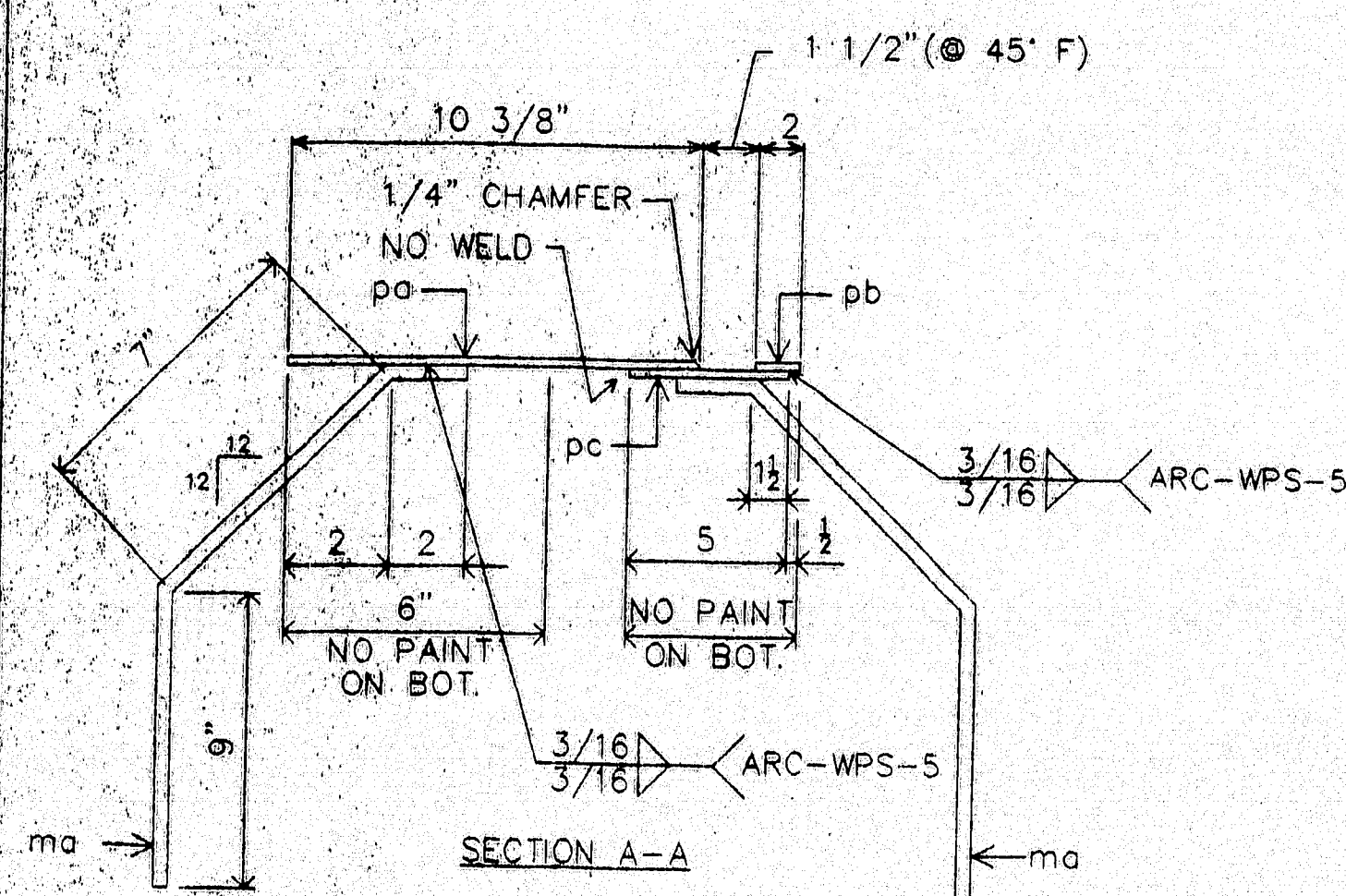
A.R.C. ENTERPRISES
KINGFIELD, MAINE

PROJECT: JOSHUA CHAMBERLAIN BRIDGE OVER THE PENOBSCOT RIVER, BANGOR-BREWER, ME			
SCALE: 1\"/>			

ENG./GC
PLEASE PROVIDE INFO. ON HOW
TO NOTCH DAM @ RAIL POSTS.



ONE-EXP. JOINT-A18 (AS SHOWN)
ONE-EXP. JOINT-B18 (OPP. HAND)



SHOP NOTE:
OUTER BARRIER & OUTER BAR STOP
TO BE FABRICATED TO FIT OVER THE
INNER BARRIER UNIT.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AUG 11 1997
Approved as noted
Returned for Corrections
Rejected

See Comments
on Set 15

MATERIALS LIST

MK	QTY	DESCRIPTION
A18	1	EXPANSION DEVICE ASSEMBLY
B18	1	EXPANSION DEVICE ASSEMBLY
pa18	2	CHK'D PL 3/8 x 18 1/2 x 7'-2 3/4 BEND/SHP'D 1L-1R
pb18	2	PL 3/8 x 2 x 7'-2 3/4 BEND/SHP'D 1L-1R
pc18	2	PL 3/8 x 8 x 7'-2 1/2 BEND
pd18	2	PL 3/8 x 17 x 1'-6 1/2 BEND 1L-1R
pe18	2	PL 3/8 x 2 x 1'-5 BEND
pf18	2	PL 3/8 x 8 x 1'-4 5/8 BEND
pg18	2	PL 3/8 x 16 7/8 x 1'-6 1/2 B1E 1L-1R
ph18	2	PL 3/8 x 2 x 1'-4 7/8 B1E 1L-1R
pk18	2	PL 3/8 x 8 x 1'-4 3/4
pl18	2	PL 3/8 x 17 3/4 x 1'-6 1/2 1L-1R
pm18	2	PL 3/8 x 5 13/16 x 1'-6 1/2 1L-1R
pn18	2	PL 3/8 x 1 1/16 x 1'-6 1/2 1L-1R
pp18	2	PL 3/8 x 1 1/8 x 1'-6 1/2 1L-1R
pr18	2	FB 3/8 x 2 x 1'-5 3/4
ps18	2	FB 3/8 x 2 x 0'-5 13/16
pt18	2	FB 3/8 x 2 x 0'-1 1/16
pu18	2	PL 3/8 x 2 x 0'-1 1/8
pv18	2	PL 3/8 x 8 x 1'-5 9/16
pw18	2	PL 3/8 x 5 7/16 x 0'-8
px18	2	PL 3/8 x 3/4 x 0'-8
py18	2	PL 3/8 x 7/8 x 0'-8

ma18	16	#6 REBAR x 1'-6 BEND A615, GR 60
mb18	2	#6 REBAR x 0'-8 1/2 A615, GR 60
mc18	2	#6 REBAR x 0'-7 3/4 A615, GR 60
md18	12	1/2 x 0'-8 CONC STUDS

PROJ. NO. BH-043-1(34)
ITEM NO. 520.21

MATL: A36 UN
WELD: PER PROCEDURES NOTED
PREP: SP6
FINISH: 3 COATS ZINC RICH PRIMER
3 MDFT PER COAT

120-353 FOR APPROVAL ONLY

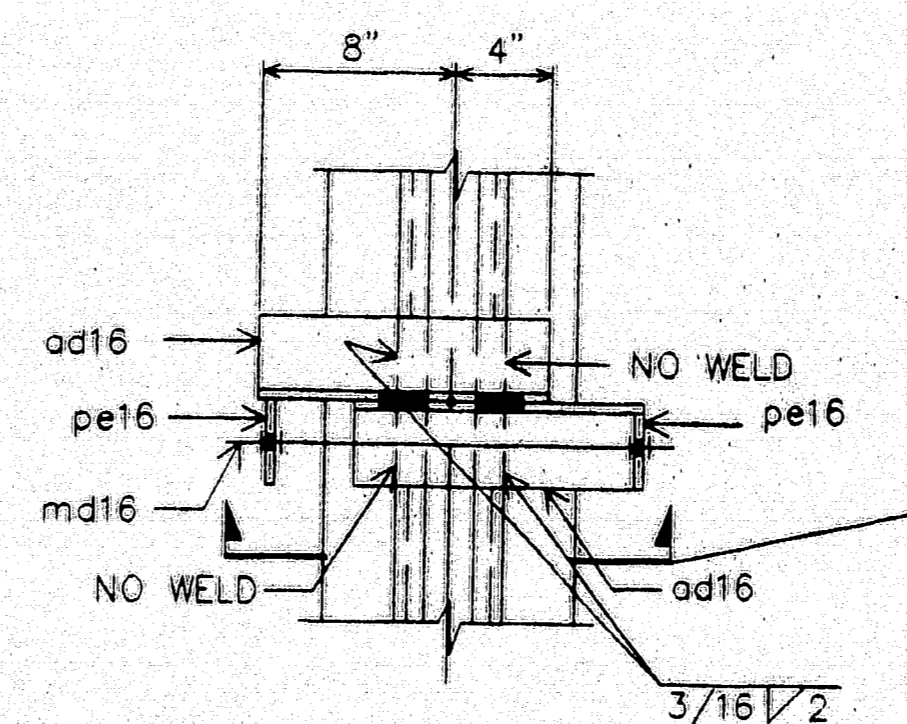
A.R.C. ENTERPRISES
KINGFIELD, MAINE

PROJECT: JOSHUA CHAMBERLAIN BRIDGE OVER THE
PENOBSCOT RIVER, BANGOR-BREWER, ME

SCALE: ~ APPROVED BY: DRAWN BY: BB
DATE: 7/97 CHKD BY:

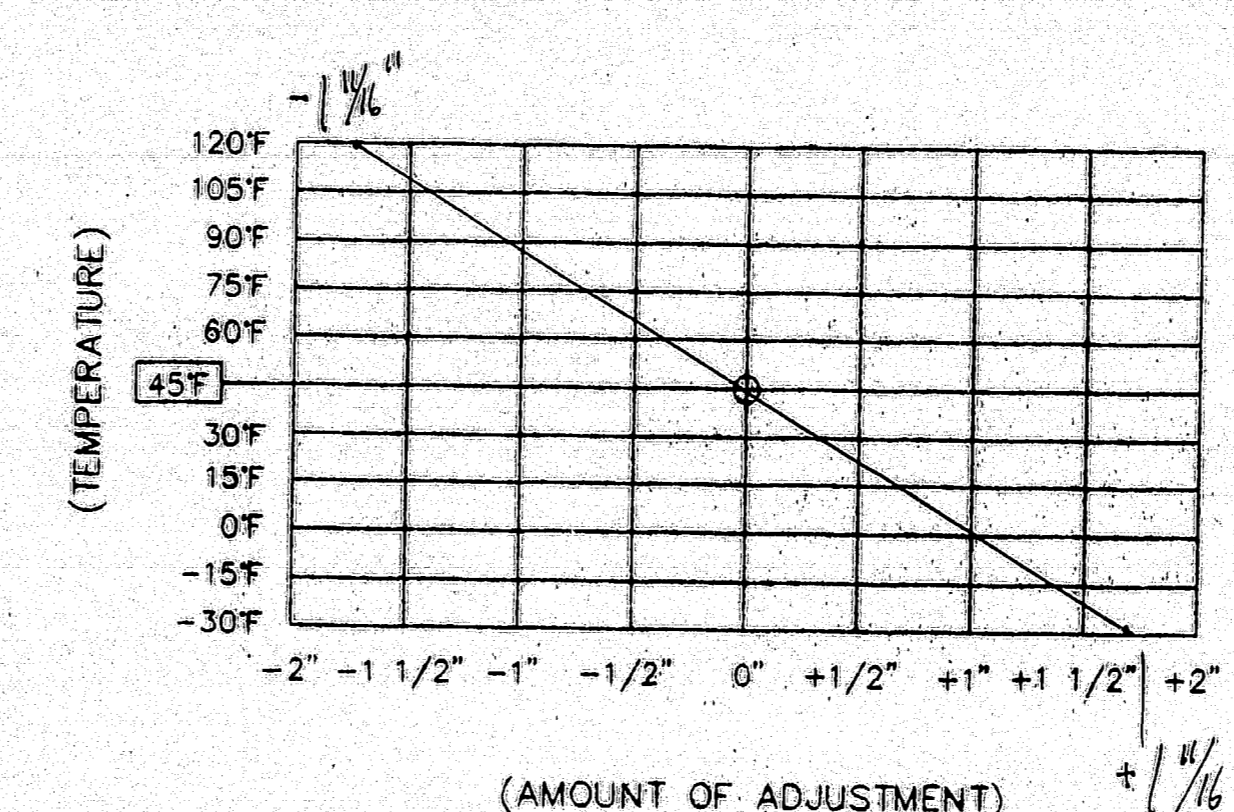
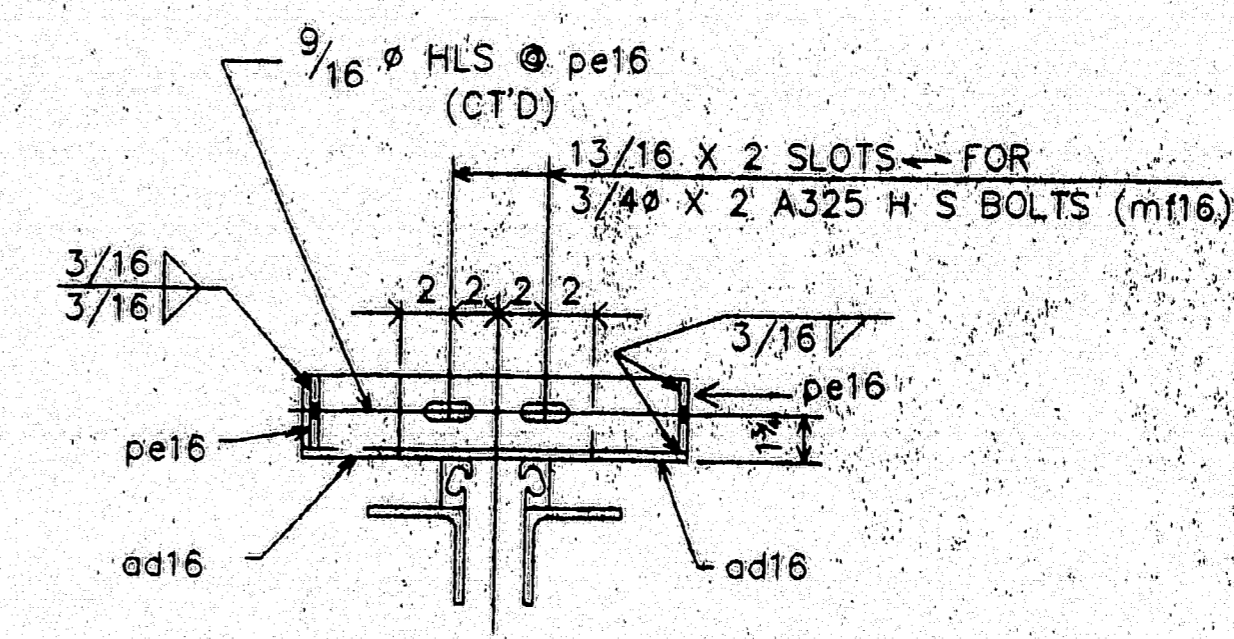
SIDEWALK DAM DETAIL @ ABUT. # 2

REED & REED JOB NO. 97-49 DWG. NO. 316



PLAN

TEMP. ADJUSTING & SHIPPING DEVICE



TEMPERATURE ADJUSTMENT CHART

FIELD NOTE:
ADJUST JOINT OPENING FOR TEMPERATURE AT TIME OF INSTALLATION.

NOTES:

- SHOP TO PLACE ADJUSTING & SHIPPING DEVICES ON EXP. JOINT AFTER PAINTING & SEAL INSTALLATION AT APPROX. 5'-0" O/C.
- PRESET THE OPENING TO THE 45°F SETTING SHOWN ON PLANS.
- CONTRACTOR TO REFER TO DESIGN DWG'S & SPECS FOR INSTALLATION INSTRUCTIONS.
- CONTRACTOR TO TOUCH-UP PAINT AFTER REMOVAL OF SHIPPING DEVICES.

ENG. PLEASE PROVIDE THE AMOUNT OF MOVEMENT FOR THIS JOINT. NOT SHOWN ON DESIGN DWGS.

Sheet 23 of 49 Design Dwg:
Note 2 says use BD 302-93.

BD 302-93, Note 4 depicts Formula:
Correction per 10°F = $\frac{0.0125 \times L (\text{exp})}{15}$

Sheet 8 of 49 Design Dwg:

Distance is appx. Pier 14 to Brewer Abut.

Sta 38+08
Sta 35+38
270 feet

$$\text{Correction} = \frac{0.0125 \times (270)}{15} = 0.225$$

45° to -30° is 75°... 50° 7.5 X 0.225 = 1.6875 each side of 45°F.

∴ = 1 1/16"

STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Returned for Corrections
AUG 21 1997	
<input checked="" type="checkbox"/> Approved as noted	<input type="checkbox"/> Rejected

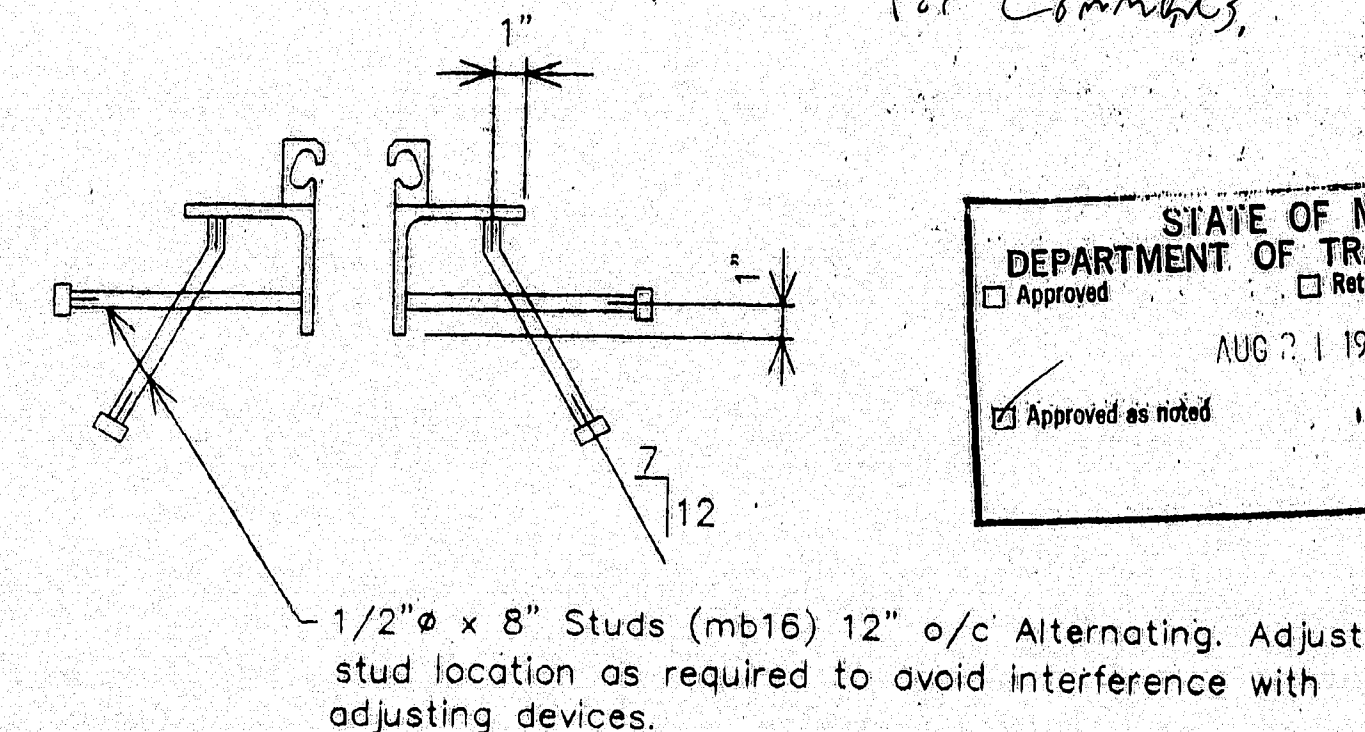
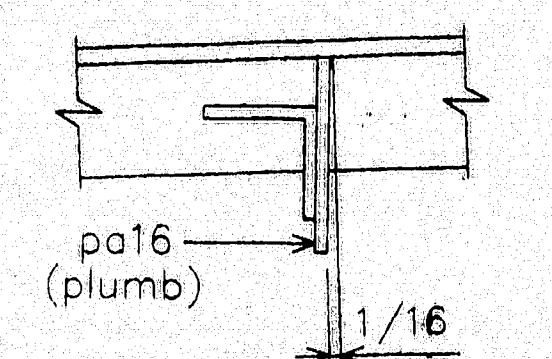
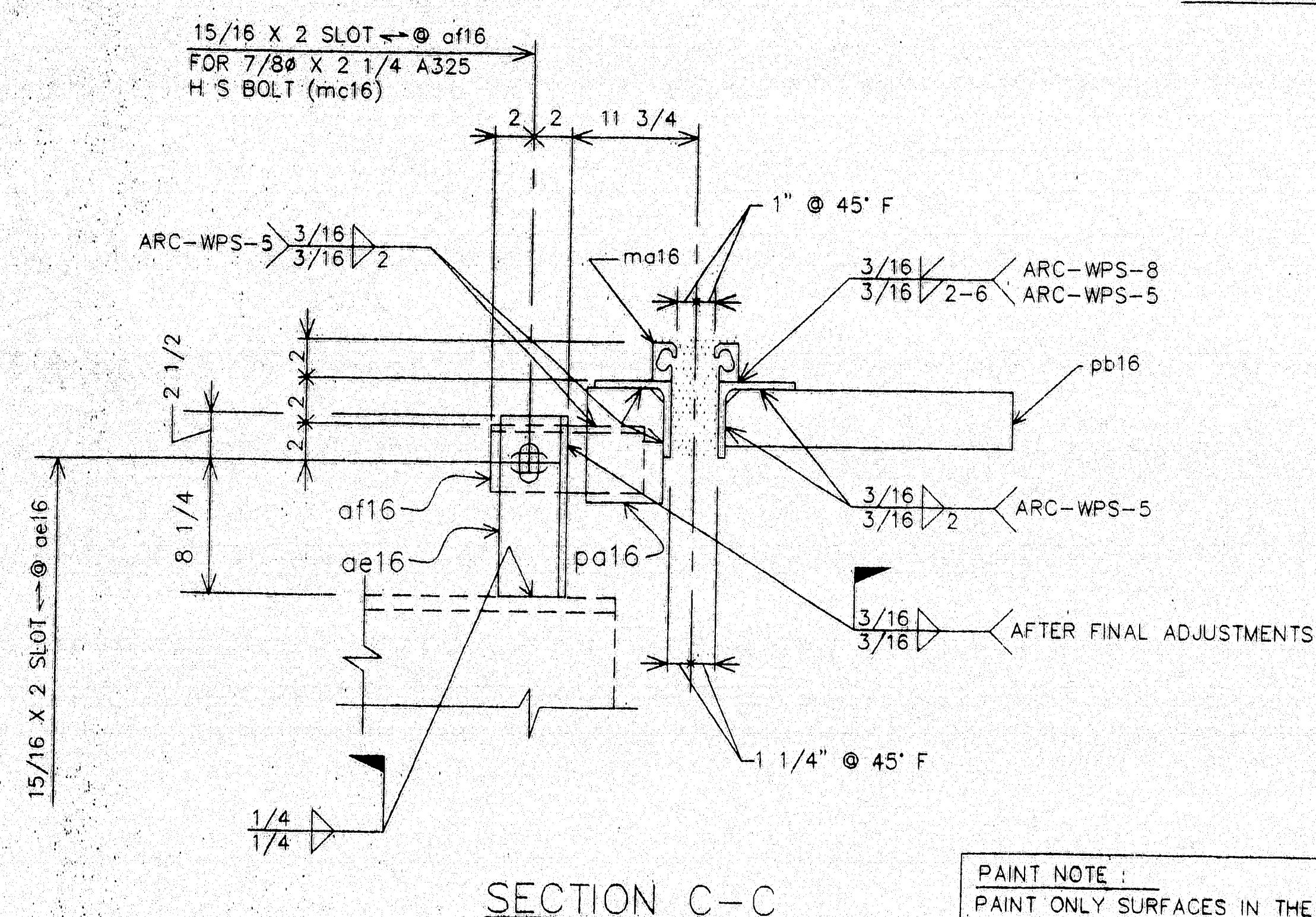
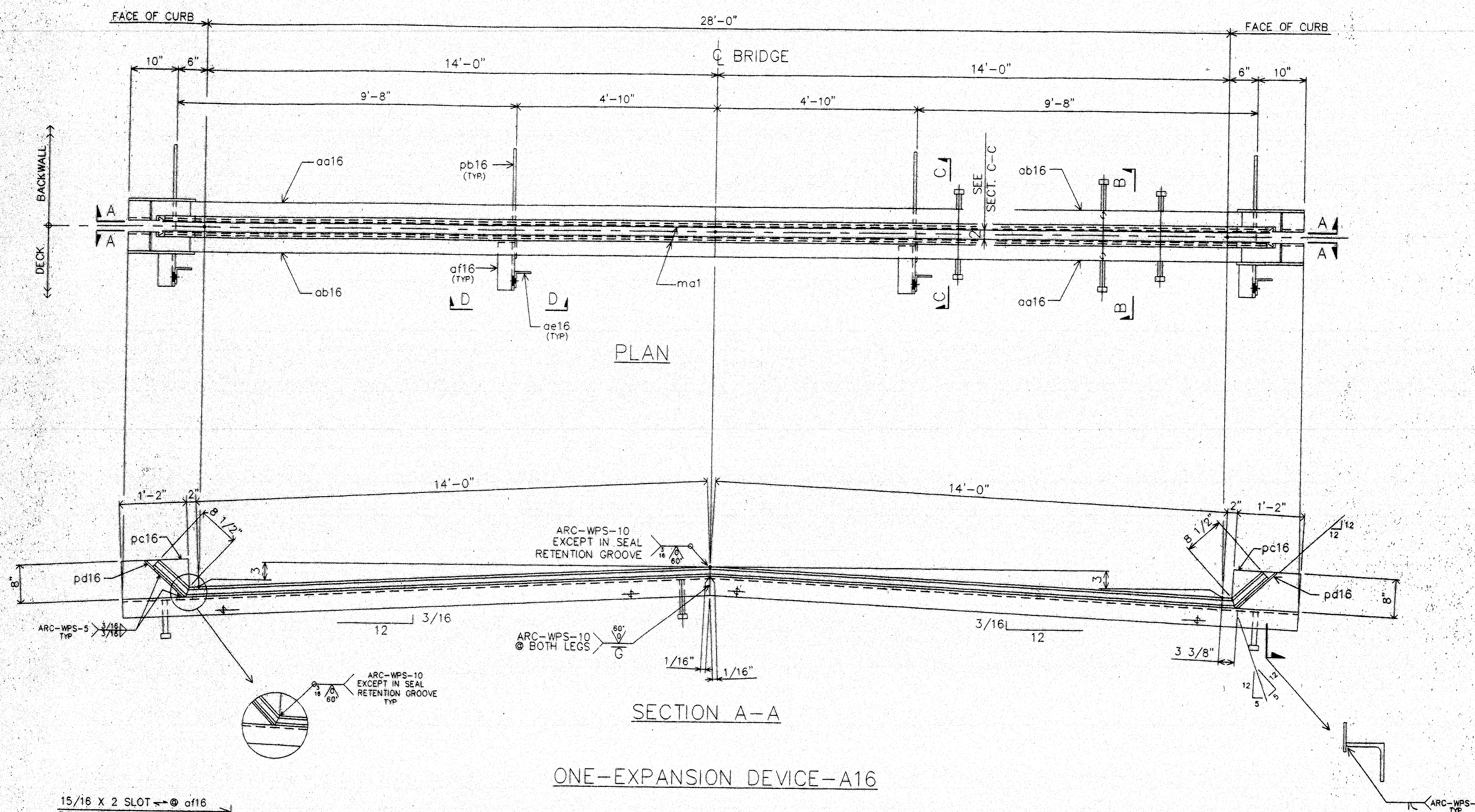
PROJ. NO.: BH-043-1(34)
ITEM NO. 520.21

MATL: A36 UN HOLES: AS NOTED
WELD: PER PROCEDURES NOTED
PREP: SP6
FINISH: 3 COATS ZINC RICH PRIMER
3 MDFT PER COAT

2 cuts ok. 120-354 FOR APPROVAL ONLY

A.R.C. ENTERPRISES	
KINGFIELD, MAINE	
PROJECT: JOSHUA CHAMBERLAIN BRIDGE OVER THE PENOBSCOT RIVER, BANGOR-BREWSTER, ME	
SCALE: ~	APPROVED BY: BB
DATE: 7/97	CHKD. BY:
EXPANSION JOINT DETAIL @ ABUT. # 2	
REED & REED	JOB NO. 97-49 DWG. NO. 17

WORK THIS DWG. W/ DWG. 16



SHOP NOTE
KICK pa16 IN OPPOSITE DIRECTION
ON OTHER SIDE OF CENTER LINE.

PAINT NOTE :
PAINT ONLY SURFACES IN THE SHADED AREAS.
NO PAINT IN THE AREA WHERE SEAL IS TO BE SEATED.

[illegible]

MATL: A36 UN HOLES: AS NOTED
WELD: PER PROCEDURES NOTED
PREP: SP6

FINISH:	3 COATS ZINC RICH PRIMER
	3 MDFT PER COAT

120-355
FOR APPROVAL
ONLY

A.R.C. ENTERPRISES
KINGFIELD, MAINE

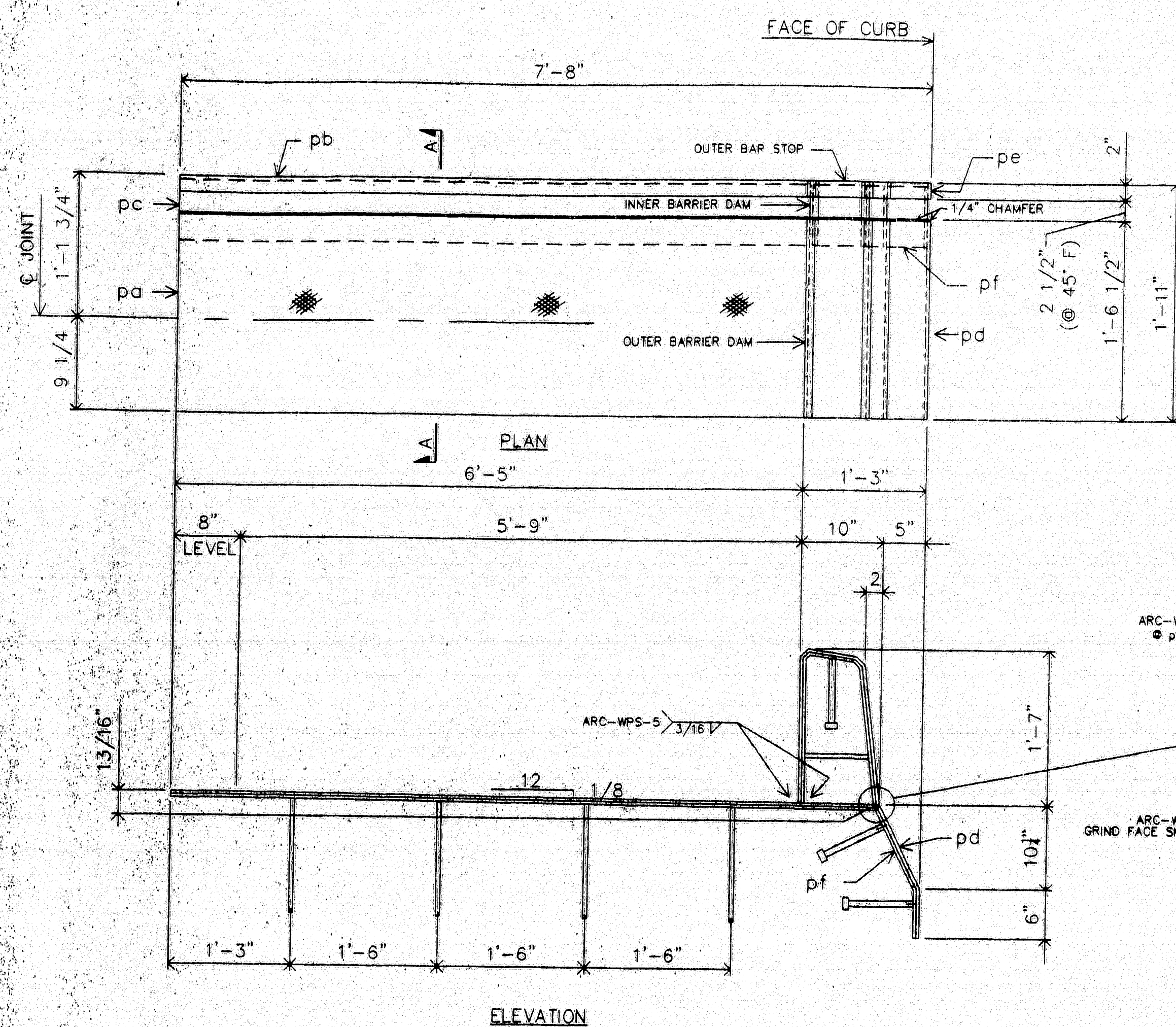
PROJECT: JOSHUA CHAMBERLAIN BRIDGE OVER THE
PENOBSCOT RIVER, BANGOR-BREWER, ME

SCALE: ~	APPROVED BY:	DRAWN BY: BB
DATE: 7/97		CHKD. BY:

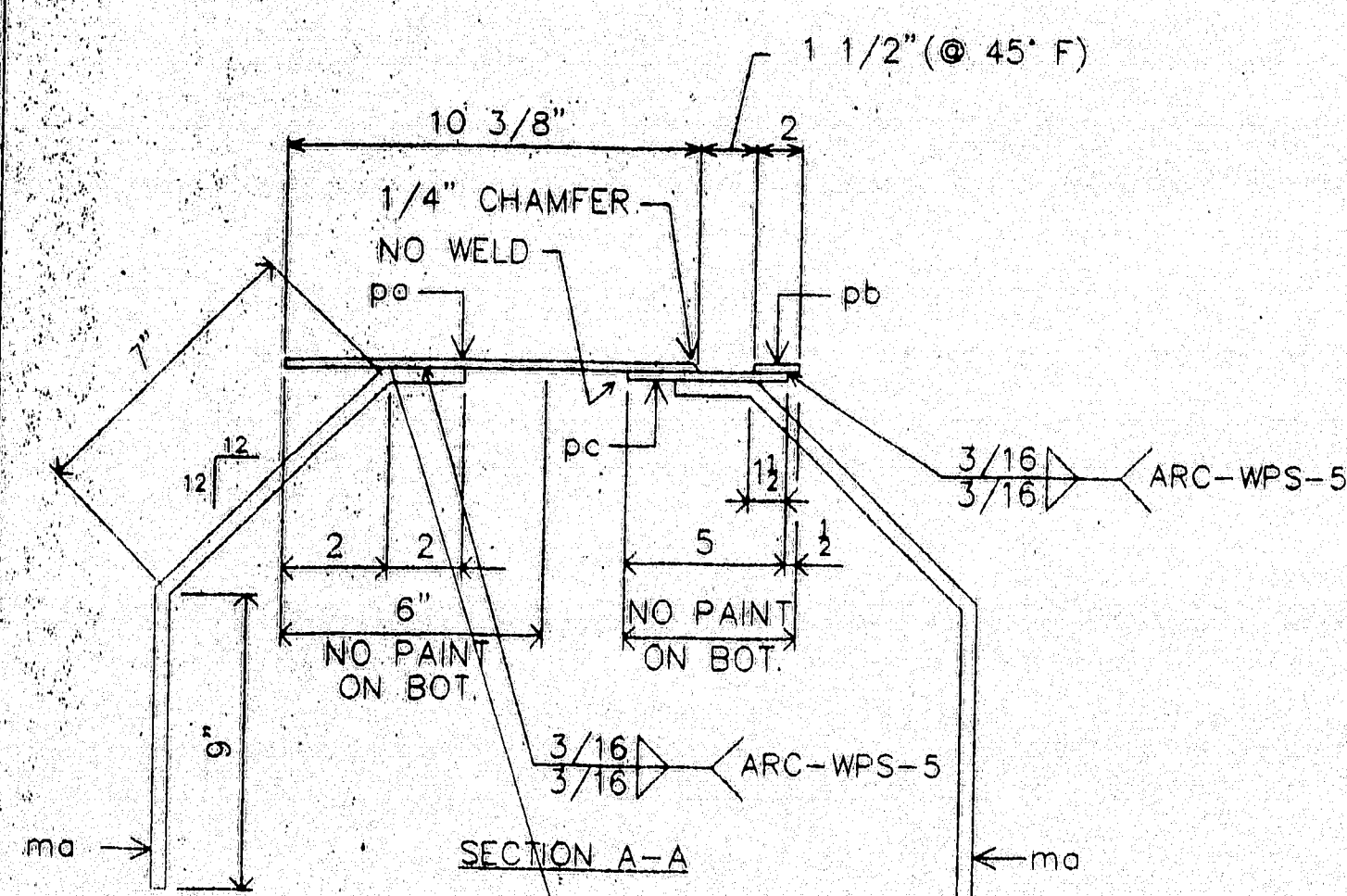
EXPANSION JOINT @ ABUT. # 2

REED, & REED	JOB NO. 97-49	DWG. NO.
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WORK THIS DWG W/ DWG 17

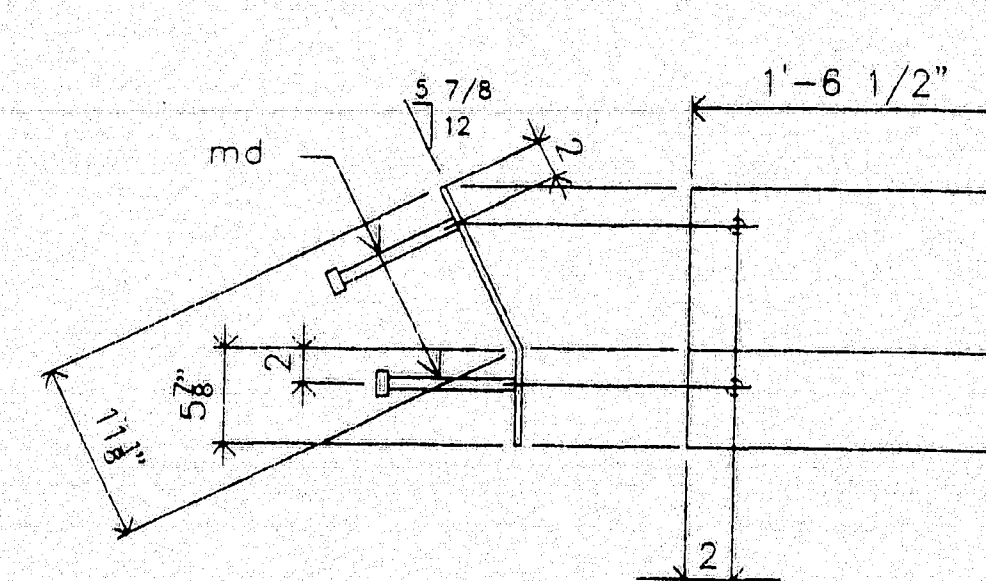


ONE-EXP. JOINT-A15 (AS SHOWN)
ONE-EXP. JOINT-B15 (OPP. HAND)

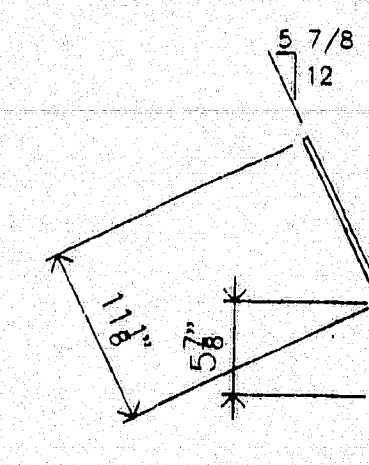


Submit WPS for this weld including elevated temperature requirements for welding Reinforcing Steel AWS D1.4.

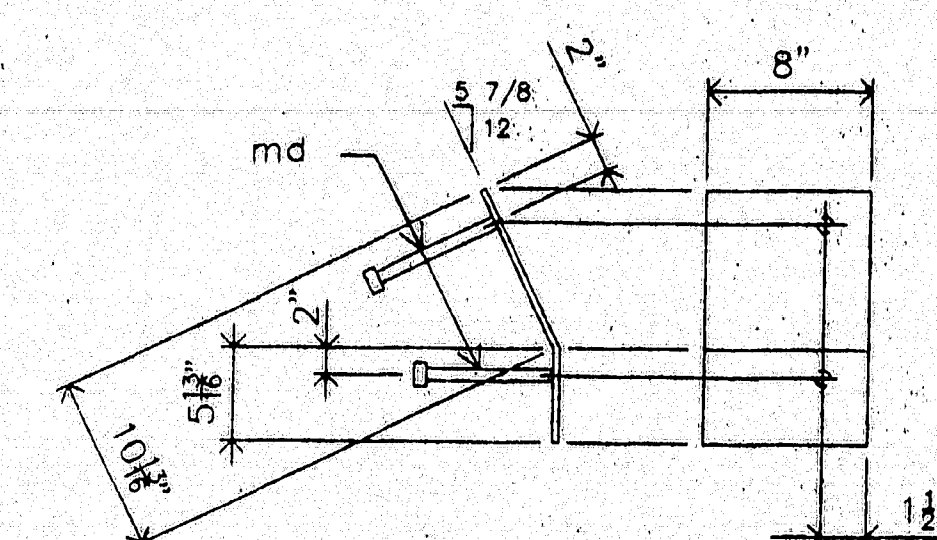
Substitute a flat bar of appropriate size and strength and use an existing fillet WPS.



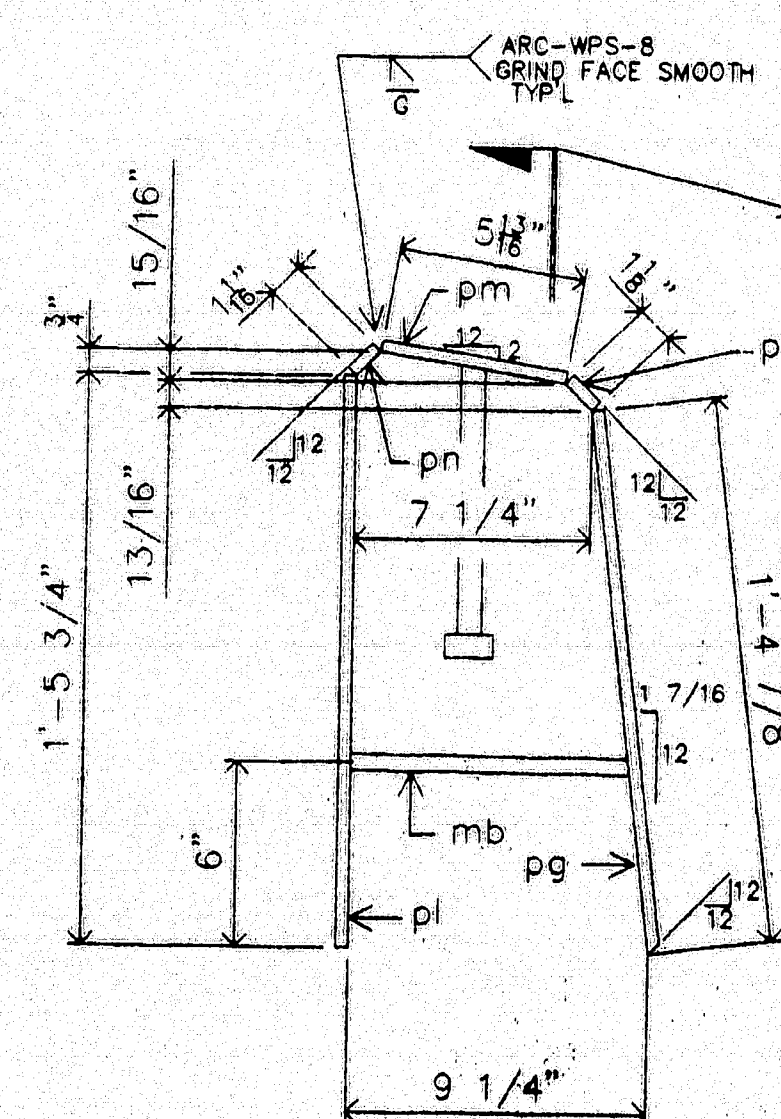
DETAIL @ pd



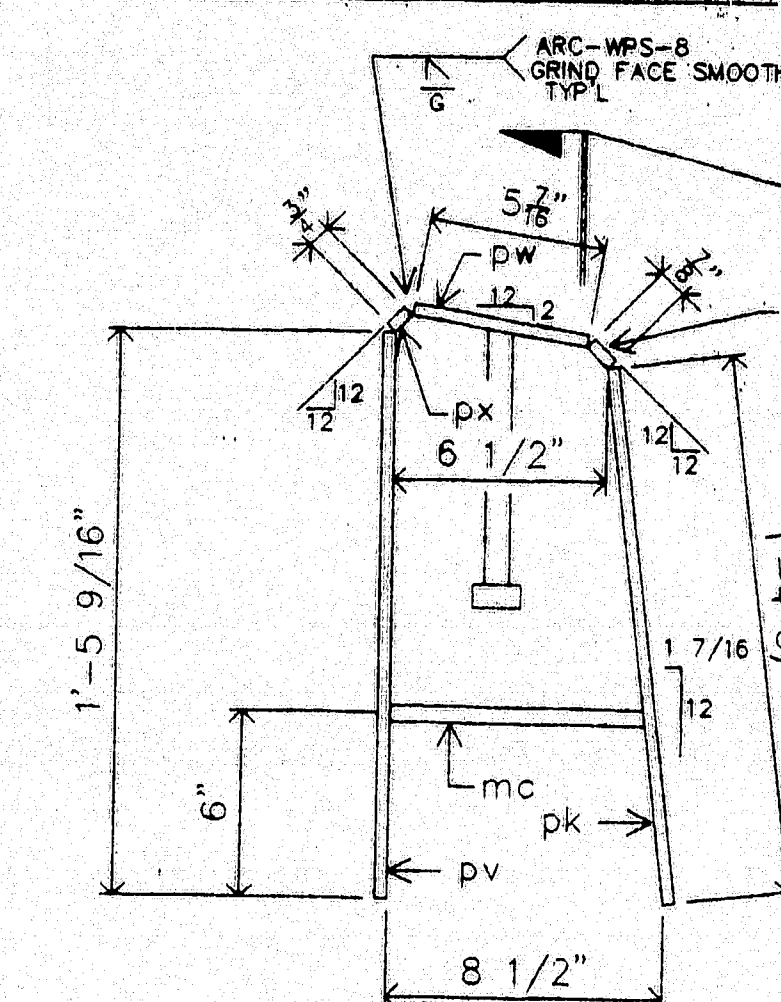
DETAIL @ pe



DETAIL @ pf
(BEND TO FIT INSIDE pd)



DETAIL @ OUTER BARRIER DAM



DETAIL @ INNER BARRIER DAM

SHOP NOTE:
OUTER BARRIER & OUTER BAR STOP
TO BE FABRICATED TO FIT OVER THE
INNER BARRIER UNIT.

X-tra Work
Preferred Option: Get Price For Galvanizing Assembly.

Select Paint System from
Nepcoat List.

1. Inorganic Zinc Primer.
2. 2 Part Epoxy.
3. Weather Topcoat.

Typical Systems

Carboline
Wassner
Kaiser & Long
Valspar

MATERIALS LIST

MK	QTY	DESCRIPTION
A15	1	EXPANSION DEVICE ASSEMBLY
B15	1	EXPANSION DEVICE ASSEMBLY
pa15	2	CHK'D PL 3/8 x 18 1/2 x 7'-2 3/4 BEND/SHP'D 1L-1R
pb15	2	PL 3/8 x 2 x 7'-2 3/4 BEND/SHP'D 1L-1R
pc15	2	PL 3/8 x 8 x 7'-2 1/2 BEND
pd15	2	PL 3/8 x 17 x 1'-6 1/2 BEND 1L-1R
pe15	2	PL 3/8 x 2 x 1'-5 BEND
pf15	2	PL 3/8 x 8 x 1'-4 5/8 BEND
pg15	2	PL 3/8 x 16 7/8 x 1'-6 1/2 B1E 1L-1R
ph15	2	PL 3/8 x 2 x 1'-4 7/8 B1E
pk15	2	PL 3/8 x 8 x 1'-4 3/4
pl15	2	PL 3/8 x 17 3/4 x 1'-6 1/2 1L-1R
pm15	2	PL 3/8 x 5 13/16 x 1'-6 1/2 1L-1R
pn15	2	PL 3/8 x 1 1/16 x 1'-6 1/2 1L-1R
pp15	2	PL 3/8 x 1 1/8 x 1'-6 1/2 1L-1R
pr15	2	FB 3/8 x 2 x 1'-5 3/4
ps15	2	FB 3/8 x 2 x 0'-5 13/16
pt15	2	FB 3/8 x 2 x 0'-1 1/16
pu15	2	PL 3/8 x 2 x 0'-1 1/8
pv15	2	PL 3/8 x 8 x 1'-5 9/16
pw15	2	PL 3/8 x 5 7/16 x 0'-8
px15	2	PL 3/8 x 3/4 x 0'-8
py15	2	PL 3/8 x 7/8 x 0'-8
ma15	16	#6 REBAR x 1'-6 BEND: A615,GR 60
mb15	2	#6 REBAR x 0'-8 1/2 A615,GR 60
mc15	2	#6 REBAR x 0'-7 3/4 A615,GR 60
md15	12	1/2 x 0'-8 CONC STUDS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AUG 21 1997
Approved as noted

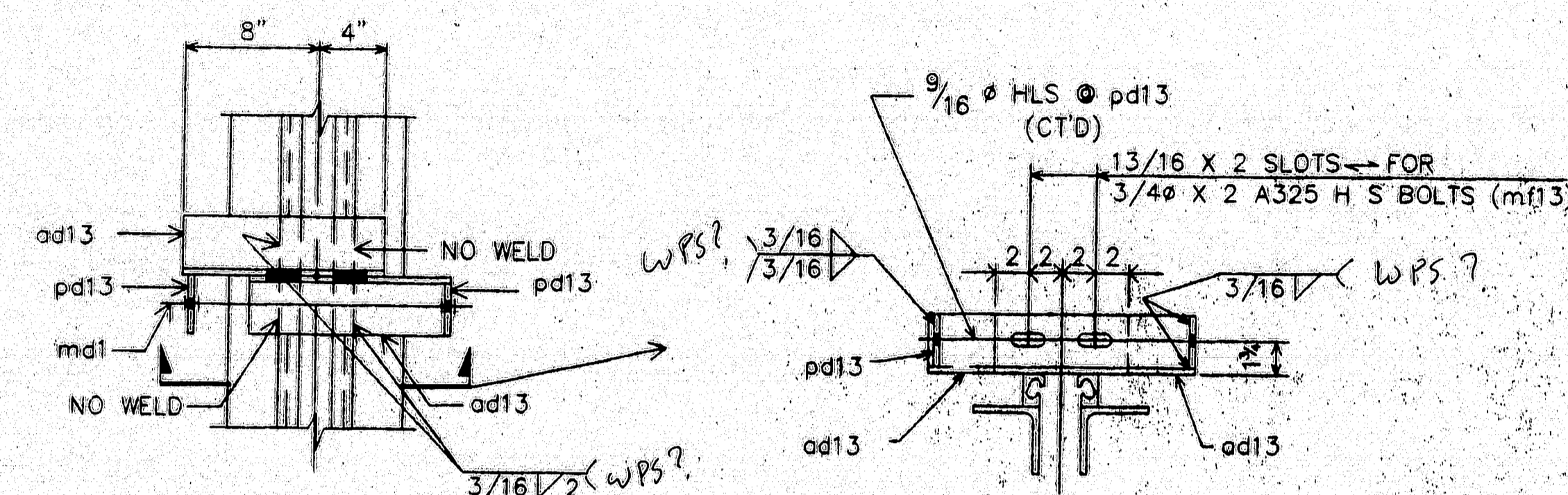
PROJ. NO.: BH-043-1(34)
ITEM NO.: 520.21

MATL: A36 UN
WELD: PER PROCEDURES NOTED.
PREP: SP6
FINISH: 3 COATS ZINC RICH PRIMER
3 MOET PER COAT

120-356 FOR APPROVAL ONLY

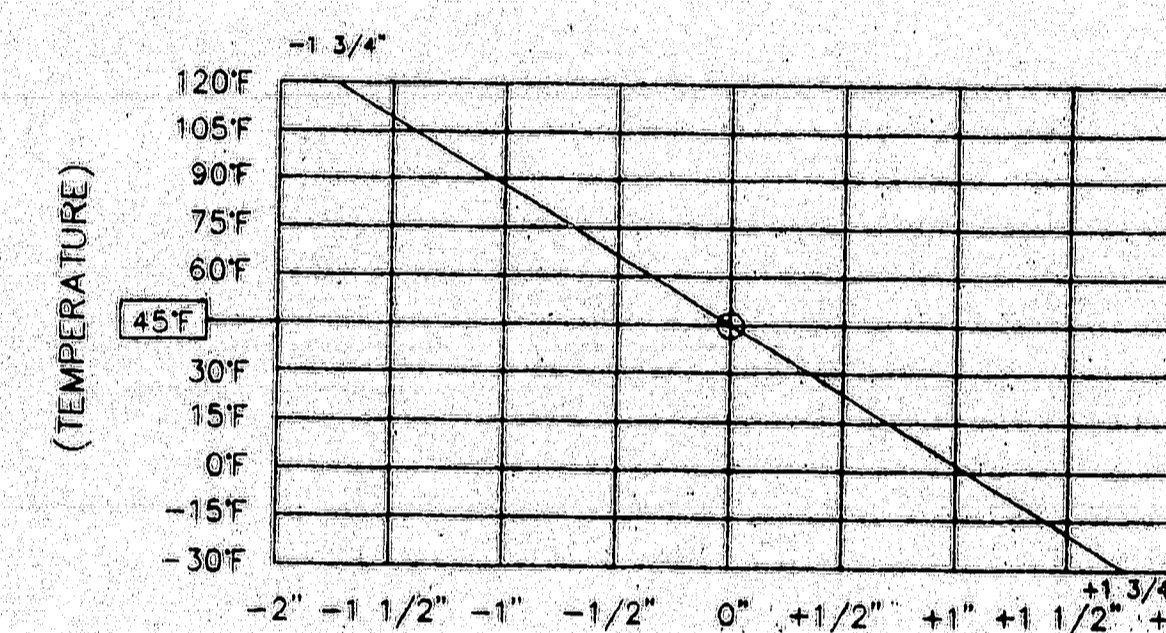
A.R.C. ENTERPRISES
KINGFIELD, MAINE

PROJECT: JOSHUA CHAMBERLAIN BRIDGE OVER THE
PENOBSCOT RIVER, BANGOR-BREWER, ME
SCALE: ~ APPROVED BY: DRAWN BY: BB
CHKD BY:
SIDEWALK DAM DETAIL @ HINGE SPAN 7
REED & REED JOB NO. 97-49 DWG NO. 15



PLAN

TEMP. ADJUSTING & SHIPPING DEVICE



(AMOUNT OF ADJUSTMENT)

TEMPERATURE ADJUSTMENT CHART

FIELD NOTE:
ADJUST JOINT OPENING FOR TEMPERATURE AT TIME OF INSTALLATION.

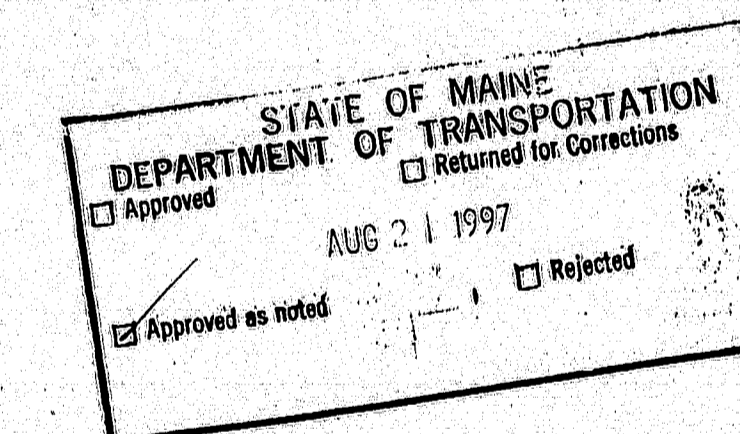
NOTES:

SHOP TO PLACE ADJUSTING & SHIPPING DEVICES ON EXP. JOINT AFTER PAINTING & SEAL INSTALLATION AT APPROX. 5'-0" O/C.

PRESET THE OPENING TO THE 45°F SETTING SHOWN ON PLANS.

CONTRACTOR TO REFER TO DESIGN DWG'S & SPECS FOR INSTALLATION INSTRUCTIONS.

CONTRACTOR TO TOUCH-UP PAINT AFTER REMOVAL OF SHIPPING DEVICES.



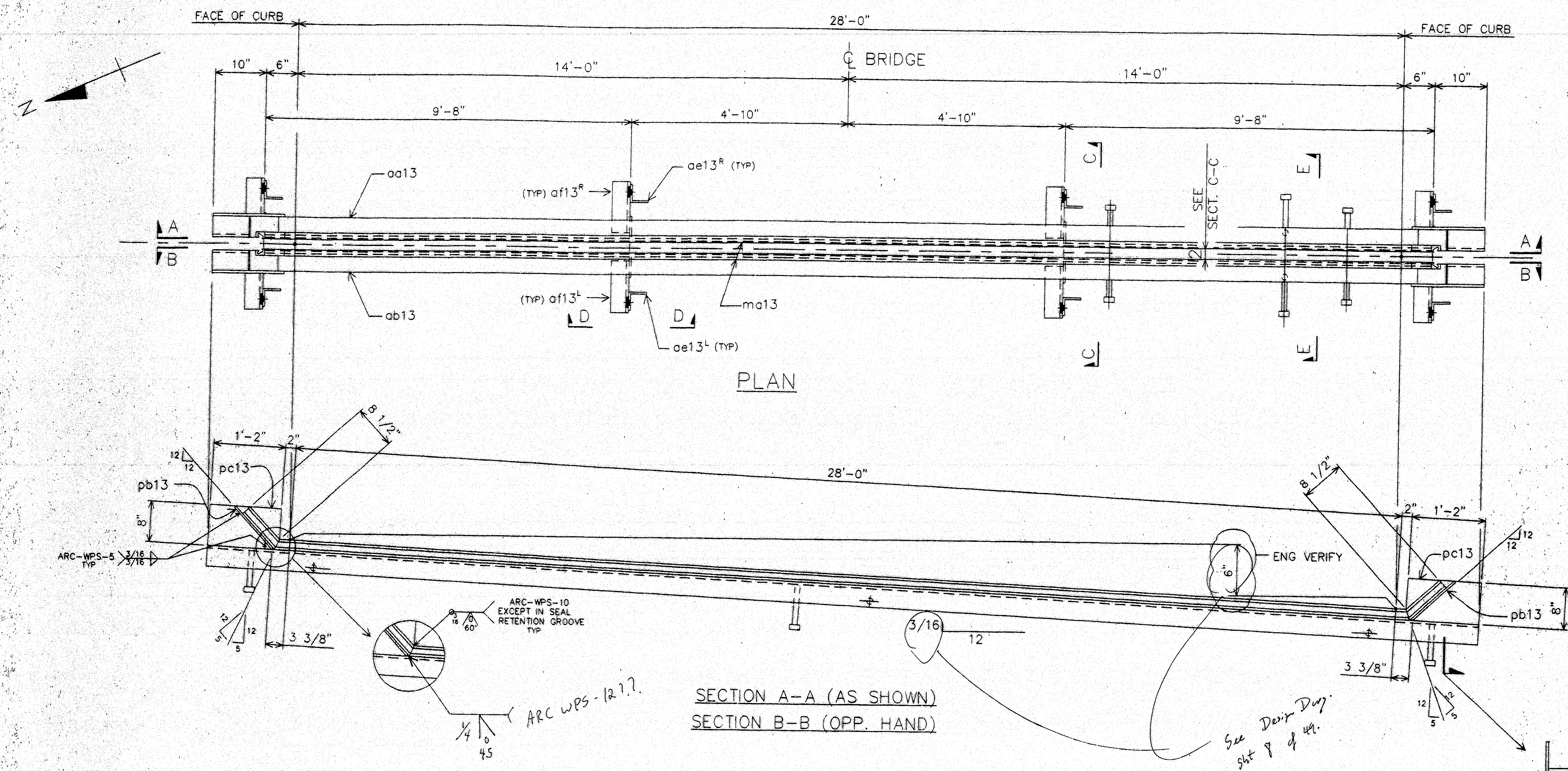
PROJ. NO. : BH-043-1(34)
ITEM NO. 520.21

MATL: A36 UN. HOLES: AS NOTED
WELD: PER PROCEDURES NOTED *Done*
PREP: SP6
FINISH: 3 COATS ZINC RICH PRIMER
3 MDFT PER COAT

2 coats OK
120-357
FOR APPROVAL ONLY

A.R.C. ENTERPRISES KINGFIELD, MAINE	
PROJECT: JOSHUA CHAMBERLAIN BRIDGE OVER THE PENOBSCOT RIVER, BANGOR-BREWER, ME	
SCALE: ~	APPROVED BY: <i>BB</i>
DATE: 6/97	CHECKED BY: <i>BB</i>
EXPANSION JOINT DETAIL @ HINGE SPAN 7	
REED & REED	JOB NO. 97-49 DWG. NO. 14

WORK THIS DWG. W/ DWG. 13



ONE-EXPANSION DEVICE-A13

MATERIALS LIST

MK	QTY	DESCRIPTION
A13	2	EXPANSION DEVICE ASSEMBLY
aa13	4	L 4 x 4 x 3/8 x 30'-8
ab13	4	L 4 x 4 x 3/8 x 30'-8
ad13	12	L 3 1/2 x 3 1/2 x 3/8 x 1'-0
ae13 ^R	8	L 3 1/2 x 3 1/2 x 3/8 x 0'-10 3/4 4L-4R
af13 ^R	8	L 3 1/2 x 3 1/2 x 3/8 x 0'-11 4L-4R
ma13	8	PL 3/8 x 4 x 0'-6
pb13	4	FB 4 X 1/4 X 0'-11
pc13	4	PL 1/4 X 8 X 1'-2
pd13	12	PL 3/8 X 3 1/2 X 0'-3 1/2
md13	LF	Watson Bowmar Acme type A extrusion x 60'-0
mb13	68	1/2" o/c x 0'-6 CONC STUDS
mc13	8	7/8" o/c x 0'-2 1/4 H S BOLTS w/N&2W A325
md13	6	THREADED ROD 1/2" o/c x 11'-8 w/ 4-NUTS/EA
mf13	12	3/4" o/c x 0'-2 H S BOLTS w/N&2W A325
ship	1	Watson Bowmar Acme SE400 Gland Seal x 32'-0 with Adhesive
PROJECT NO. BH-043-1(34)		
ITEM NO. 520.21		

MAIL: A36 UN HOLES: AS NOTED

WELD: PER PROCEDURES NOTED

PREP: SP6

FINISH: 3 COATS ZINC RICH PRIMER 3 MDFT PER COAT

2 coats is sufficient.

FOR APPROVAL ONLY

120-358

A.R.C. ENTERPRISES

KINGFIELD, MAINE

PROJECT: JOSHUA CHAMBERLAIN BRIDGE OVER THE PENOBSCOT RIVER, BANGOR-BREWER, ME

SCALE: 1/4" = 1'-0"

DATE: 7/97

EXPANSION JOINT @ HINGE SPAN 7

REED & REED

APPROVED BY: [Signature]

DRAWN BY: BS

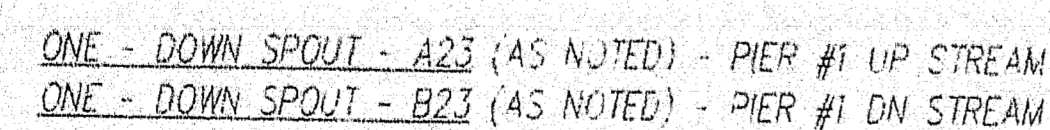
CHECK BY: [Signature]

JOB NO. 67-49

DWG. NO. 13

WORK THIS DWG W/ DWG 14

PAINT NOTE:
PAINT ONLY SURFACES IN THE SHADED AREAS.
NO PAINT IN THE AREA WHERE SEAL IS TO BE SEATED.



SEE TABLE A FOR DIMS NOT SHOWN

F.B. THIS DWG

132 - 5/8" EXPANSION ANCHORS W/N&W - GALV

PAINT: GALV. PER ASTM A123

120-359

PROJECT NO. BH-043-1(34)
ITEM NO. : 520.21

ARC ENTERPRISES, INC
KINGFIELD, MAINE

PROJECT: JOSHUA CHAMBERLAIN BRIDGE
PENOBSCOT RIVER - BANGOR/BREWER

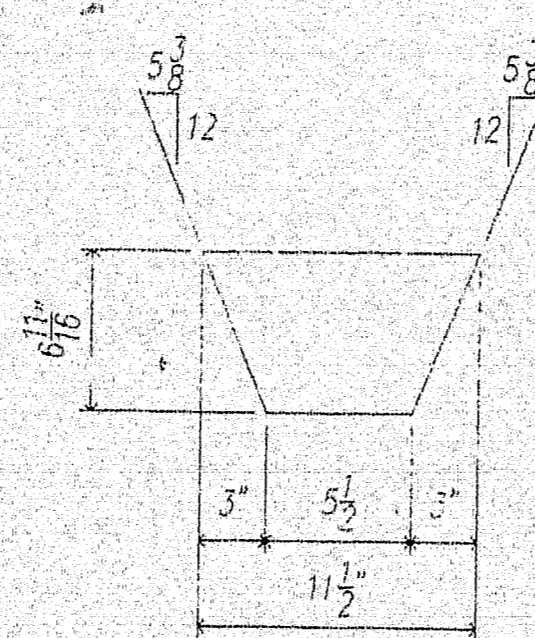
SCALE: ~	APPROVED BY:	DRAWN BY: RMC
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DATE:	12/97	CHKD. BY:	CMDS
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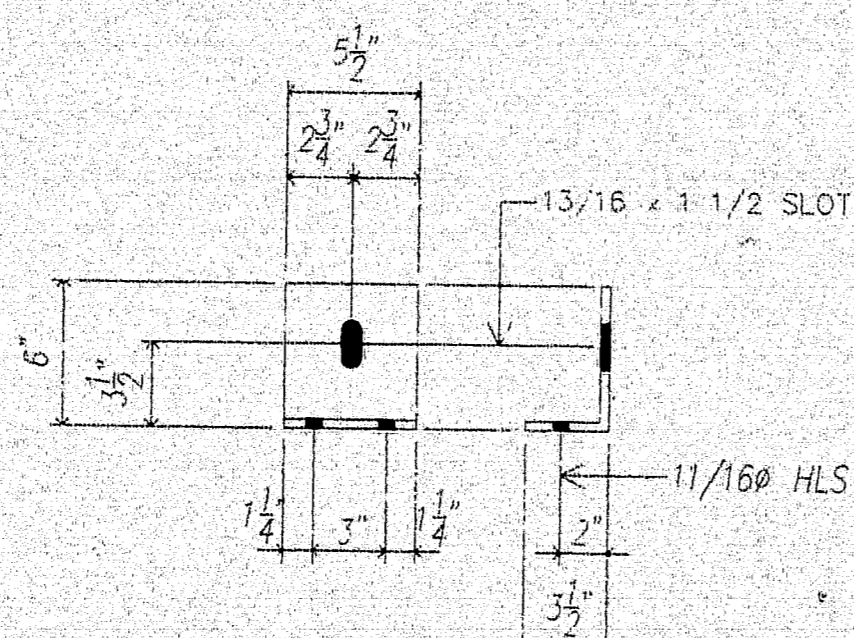
DRAIN ASSEMBLY DETAILS

[illegible]

REED & REED / W/O 97-49	DWG. NO. 23
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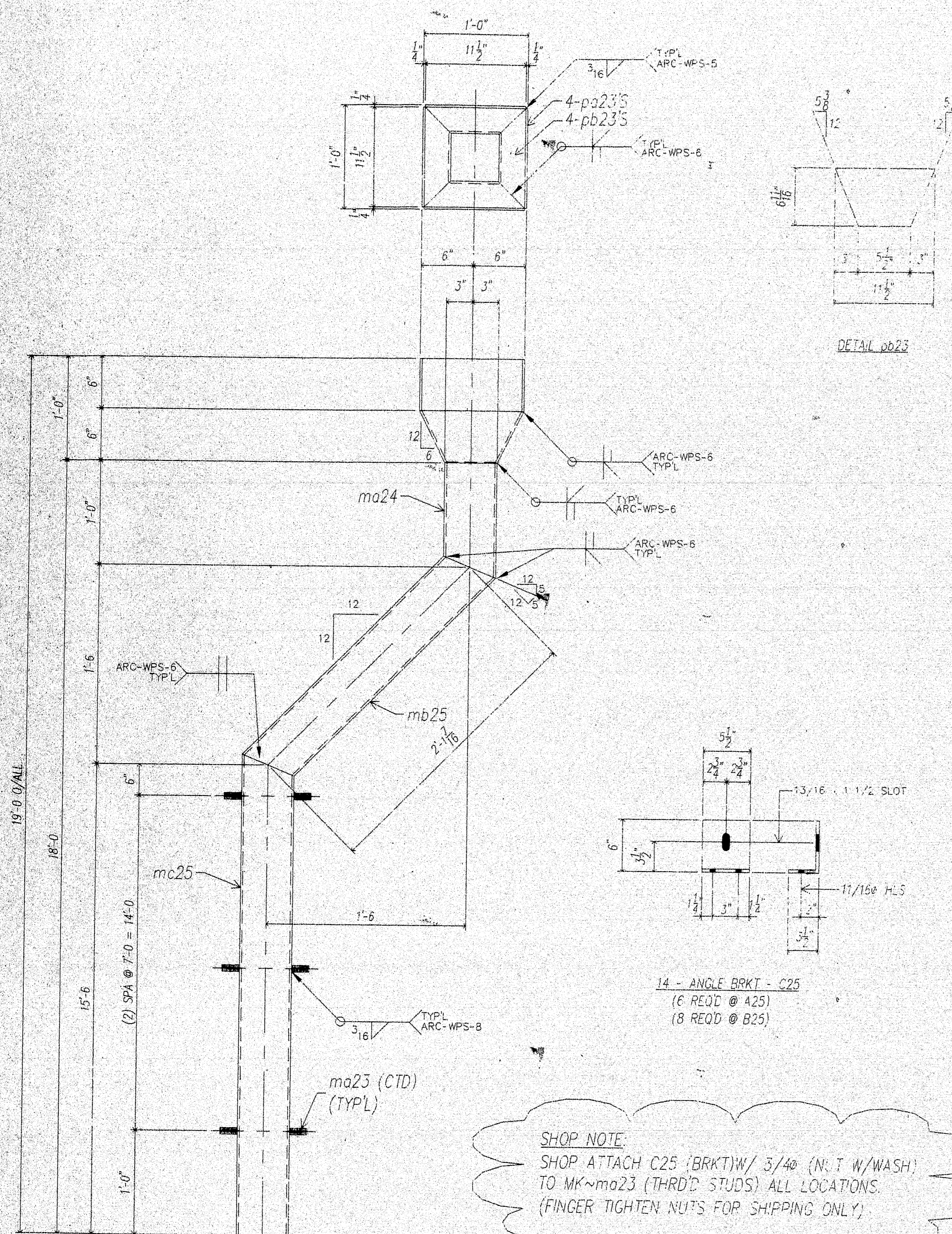


DETAIL pb23



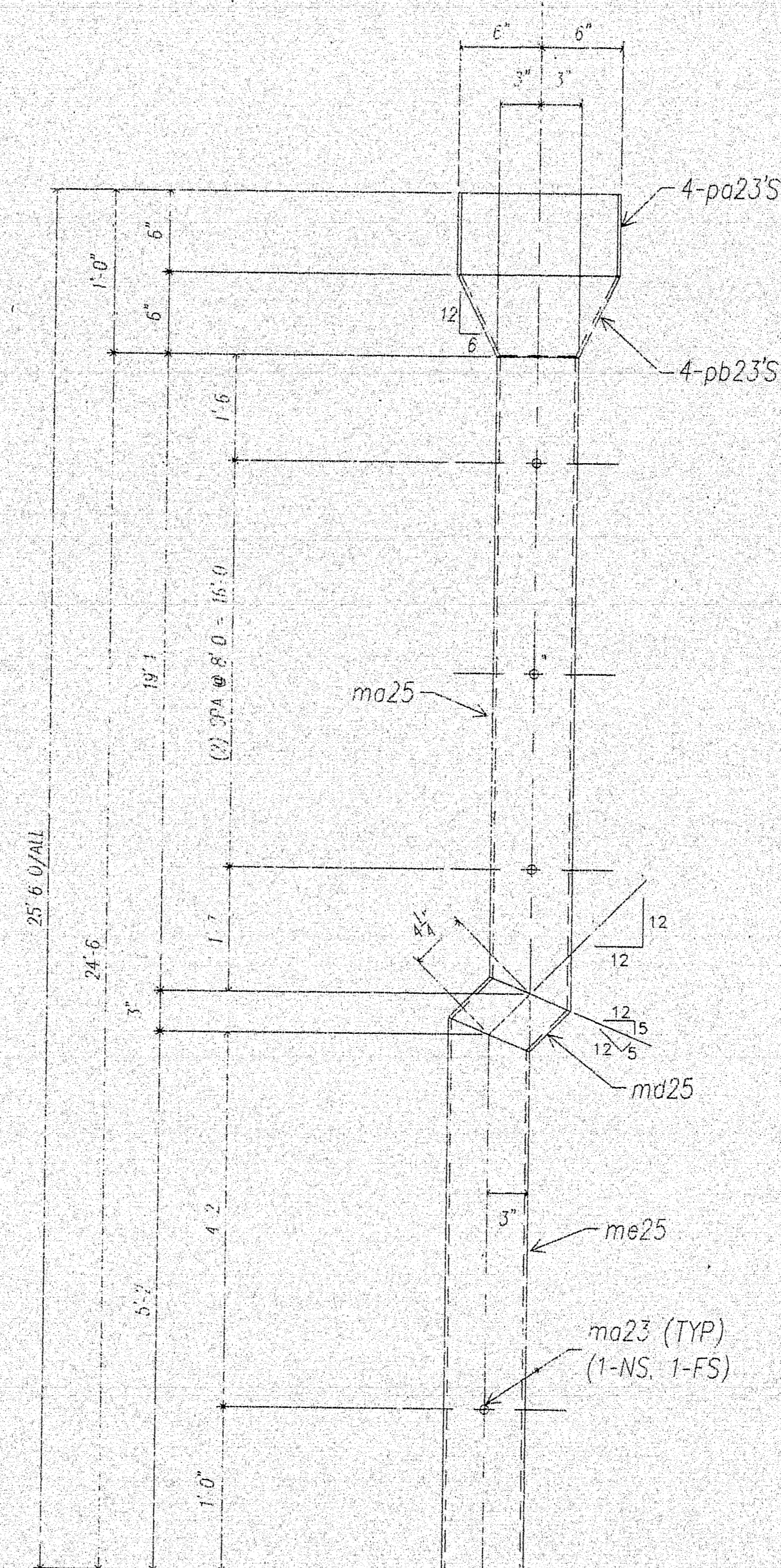
24 - 5/8" EXPANSION ANCHORS W/N&W

PROJECT: JOSHUA CHAMBERLAIN BRIDGE
PENOBSCOT RIVER - BANGOR/BREWER



ONE - ANGLE BRKT - A25
(LOC. PIER #5 ON STREAM)

SHOP NOTE:
SHOP ATTACH C25 (BRKT) W/ 3/4" (NUT W/WASH)
TO MK~ma23 (THRD STUDS) ALL LOCATIONS.
(FINGER TIGHTEN NUTS FOR SHIPPING ONLY)



ONE - ANGLE BRKT - B25
(LOC. PIER #7 ON STREAM)

F.B. THIS DWG
28 - 5/8" EXPANSION ANCHORS W/N&W

MATERIALS LIST

MARK	QTY	DESCRIPTION
A25	ONE	DOWN SPOUT
ma24	1	TS 6 x 6 x 1/4 x 1'-1 1/4 BCIE
ma25	1	TS 6 x 6 x 1/4 x 2'-3 15/16 BCIE
mc25	1	TS 6 x 6 x 1/4 x 15'-7 1/4 BCIE
pa23	4	FB 1/4 x 6 x 0'-11 1/2
pb23	4	FB 1/4 x 6 11/16 x 0'-11 1/2 SHPD
ma23	6	3/4" ROD x 0'-2 THRDD

B25	ONE	DOWN SPOUT
ma25	1	TS 6 x 6 x 1/4 x 19'-2 1/4 BCIE
ma25	1	TS 6 x 6 x 1/4 x 0'-6 3/4 BCIE
me25	1	TS 6 x 6 x 1/4 x 5'-3 1/4 BCIE
pa23	4	FB 1/4 x 6 x 0'-11 1/2
pb23	4	FB 1/4 x 6 11/16 x 0'-11 1/2 SHPD
ma23	8	3/4" ROD x 0'-2 THRDD

C25	14	L 6 x 3 1/2 x 3/8 x 0'-5 1/2
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SHOP	14	3/4" NUTS W/ WASH
------	----	-------------------

RELEASED FOR FABRICATION

PLANT MANAGER
DEC 10 1997
Q.C. MANAGER

MATL: ASTM A709/A709M, GR250 HOLES: AS NOTED
WELD: AS NOTED
PREP: SSPC - SP6
PAINT: GALV. PER ASTM A123

PROJECT NO. BH-043-1(34)
ITEM NO. 520.21

120-36

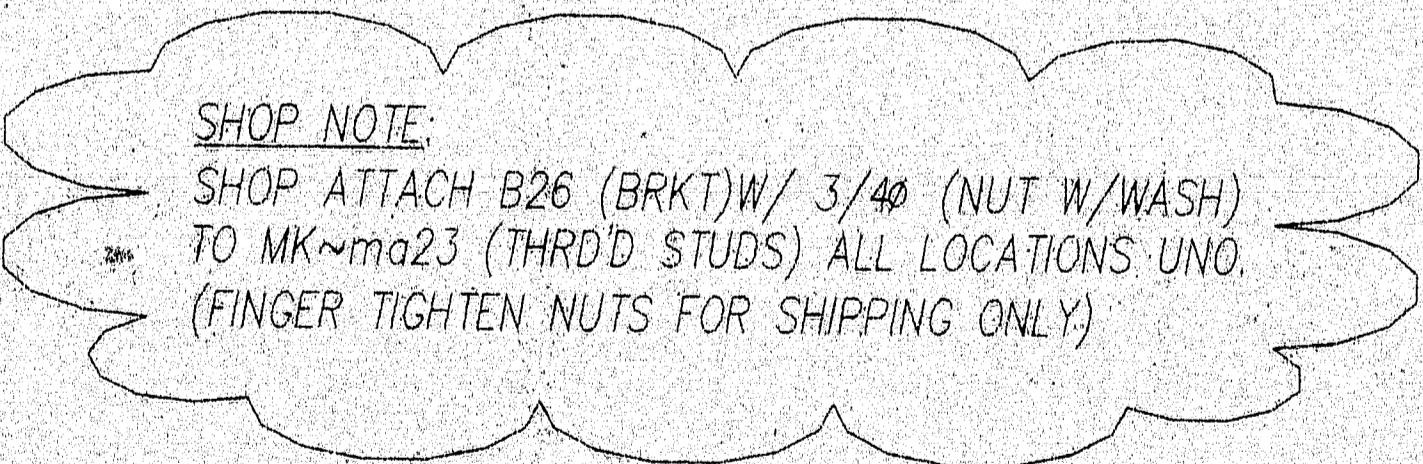
ARC ENTERPRISES, INC
KINGFIELD, MAINE

PROJECT: JOSHUA CHAMBERLAIN BRIDGE
PENOBSCOT RIVER - BANGOR, MAINE

SCALE: ~ APPROVED BY: DRAWN BY: RND
DATE: 12/97 RECD BY: CND

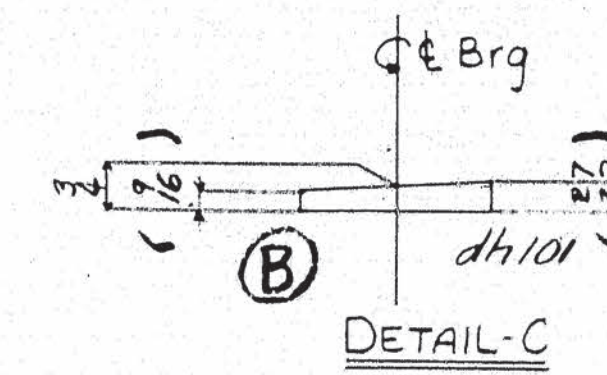
DRAIN ASSEMBLY DETAILS

REED & REED / W/O-97-49 DWG. NO. 25



F.B. THIS DWG

DWG. NO.	26
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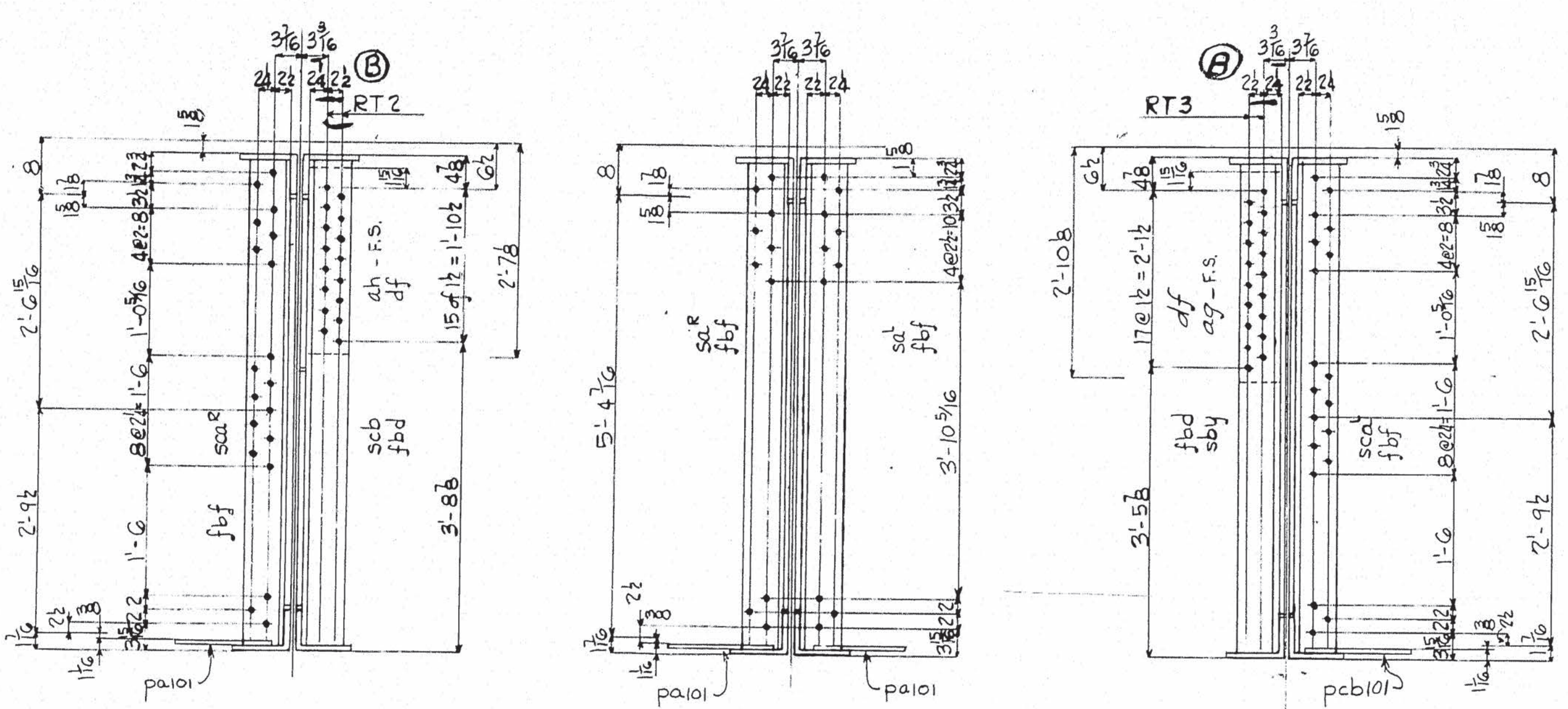


Adv. Bill **62-169**

62-169

LINE	ITEM	MATERIAL	REMARKS	ORDERED	CALCULATED	TOL.	LINE	ITEM	MATERIAL	REMARKS	ORDERED	CALCULATED
77	1 R	222 3/16	2 42	pb101-G3A	21	5	78	1 R	222 3/16	2 72	pb101-G3A	21
79	1 R	222 3/16	2 42	pb101-G3A	21	5	80	1 R	222 3/16	2 42	pb101-G3A	21
81	1 R	222 3/16	2 42	pb101-G3A	21	5	82	1 R	222 3/16	2 42	pb101-G3A	21
83	1 R	222 3/16	2 42	pb101-G3A	21	5	84	1 R	222 3/16	2 42	pb101-G3A	21
85	1 R	222 3/16	2 42	pb101-G3A	21	5	86	1 R	222 3/16	2 42	pb101-G3A	21
87	1 R	222 3/16	2 42	pb101-G3A	21	5	88	1 R	222 3/16	2 42	pb101-G3A	21
89	1 R	222 3/16	2 42	pb101-G3A	21	5	90	1 R	222 3/16	2 42	pb101-G3A	21
91	1 R	222 3/16	2 42	pb101-G3A	21	5	92	1 R	222 3/16	2 42	pb101-G3A	21
93	1 R	222 3/16	2 42	pb101-G3A	21	5	94	1 R	222 3/16	2 42	pb101-G3A	21
95	1 R	222 3/16	2 42	pb101-G3A	21	5	96	1 R	222 3/16	2 42	pb101-G3A	21
97	1 R	222 3/16	2 42	pb101-G3A	21	5	98	1 R	222 3/16	2 42	pb101-G3A	21
99	1 R	222 3/16	2 42	pb101-G3A	21	5	100	1 R	222 3/16	2 42	pb101-G3A	21
101	1 R	222 3/16	2 42	pb101-G3A	21	5	102	1 R	222 3/16	2 42	pb101-G3A	21
103	1 R	222 3/16	2 42	pb101-G3A	21	5	104	1 R	222 3/16	2 42	pb101-G3A	21

BILL CONTINUED-SHEET 101F

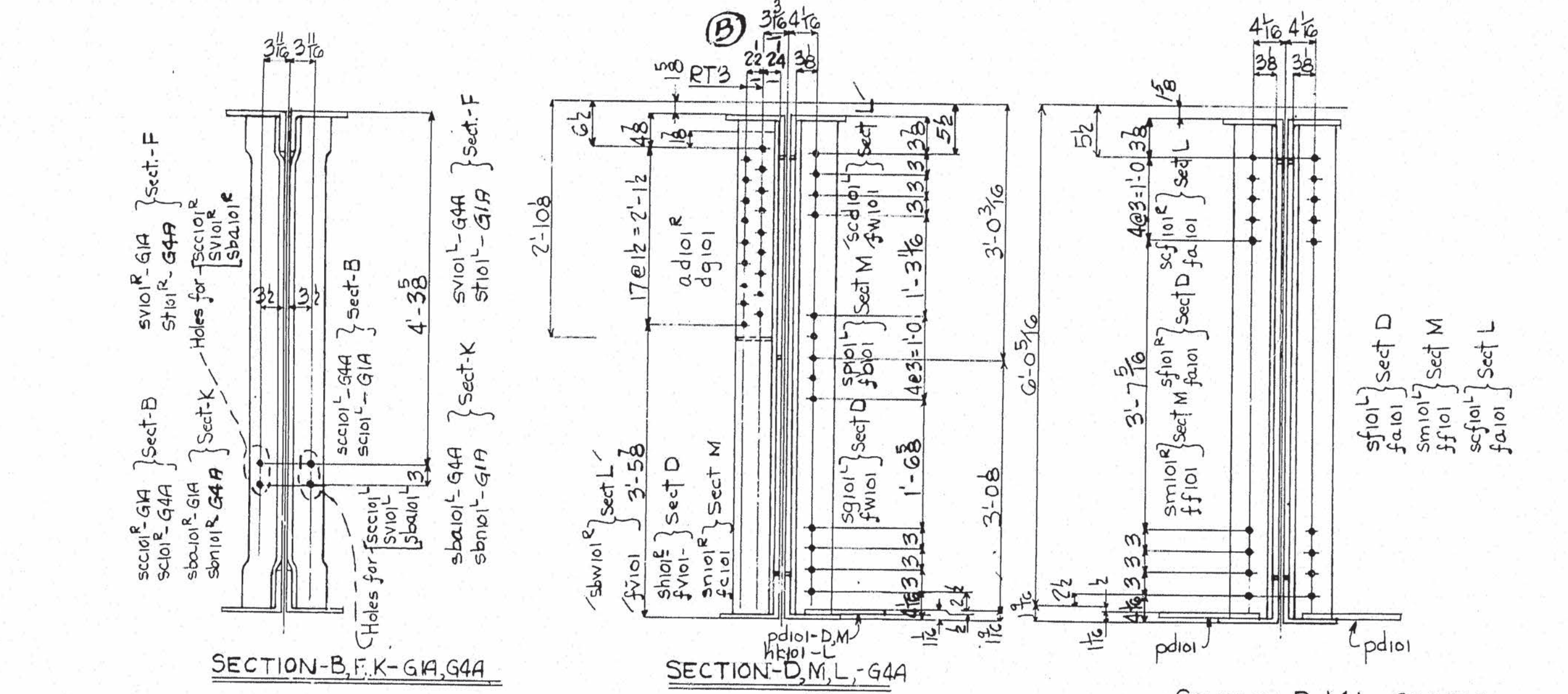


SECTION A-G1A

SECTION A-G24,G3A

SECTION A-G4A

SECTION B-G3A

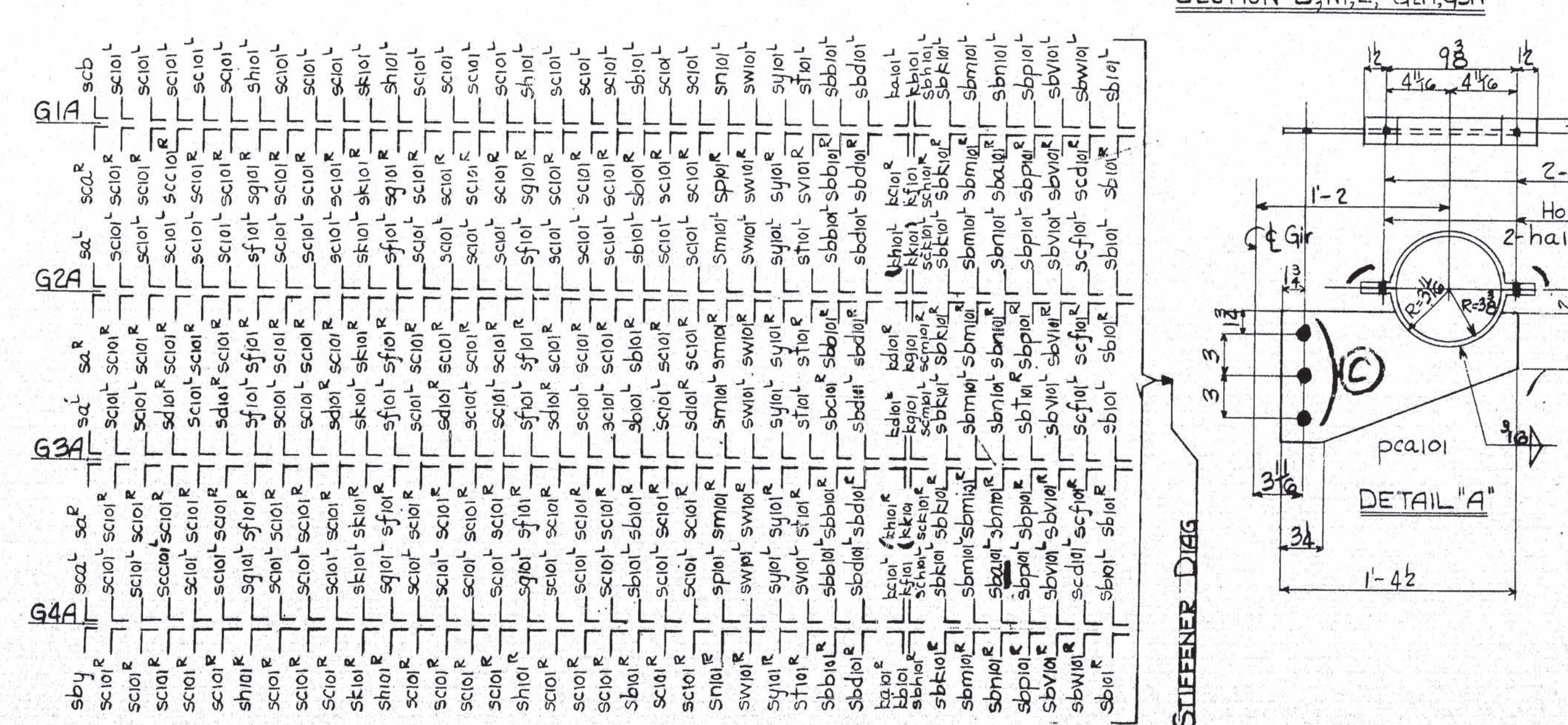


SECTION B-G1A

SECTION B-G24,G3A

SECTION B-G4A

SECTION C-G3A

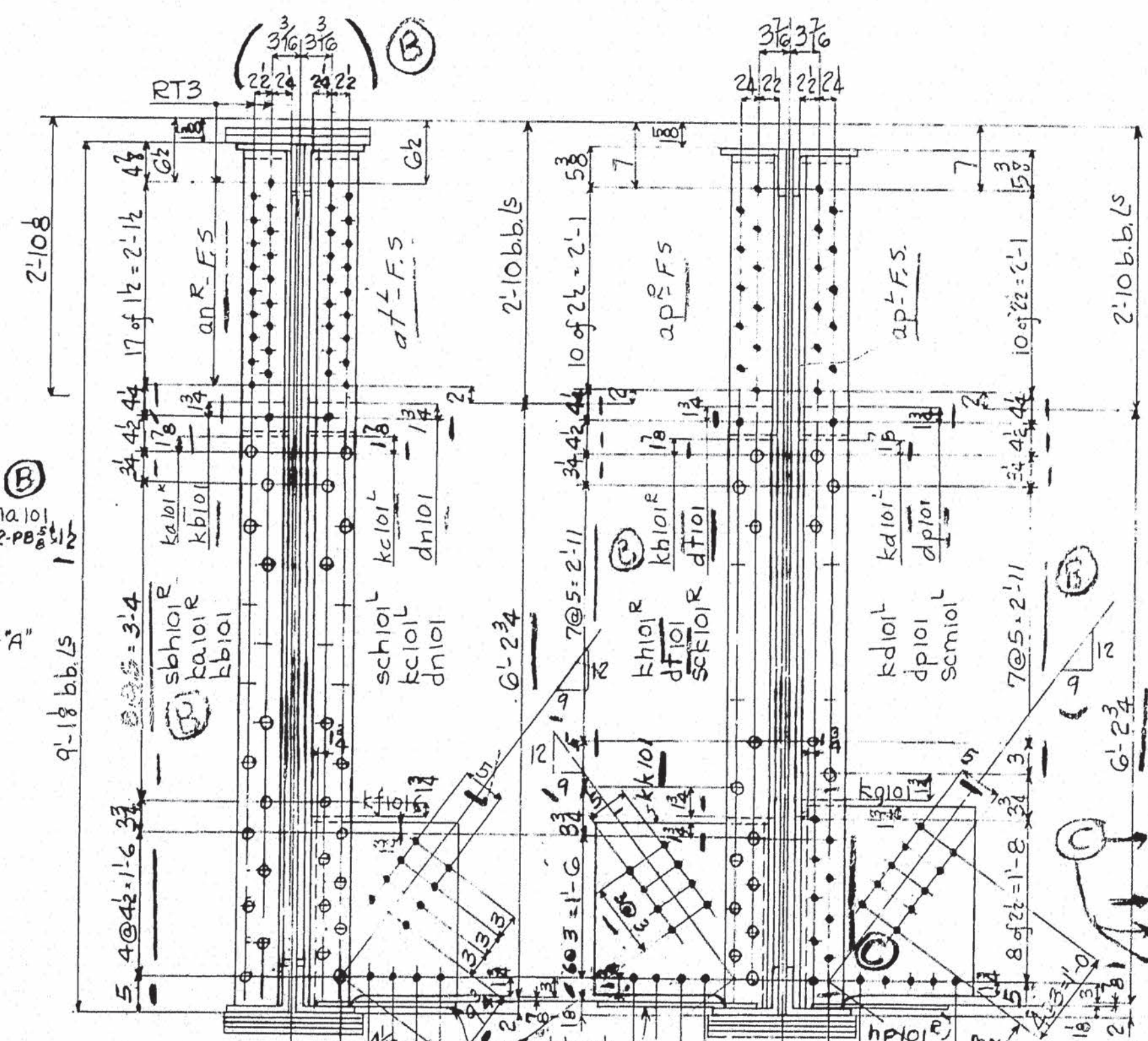


SECTION D-G1A

SECTION D-G24,G3A

SECTION D-G4A

SECTION E-G3A



SECTION F-G1A

SECTION F-G24,G3A

SECTION F-G4A

STATE OF MAINE
STATE HIGHWAY COMMISSION
BANGOR-BREWER BRIDGE
PENOBSCOT RIVER
BANGOR-MAINE

WORK FABRICATED AT AMERIDGE PLANT
IN CHARGE OF E.B. MARKS
DRAWN BY W.J.P. DATE 9-22-53
CHECKED BY FEL DATE 1-29-54
ORDER NO. Q4150 SHEET NO. 101EF

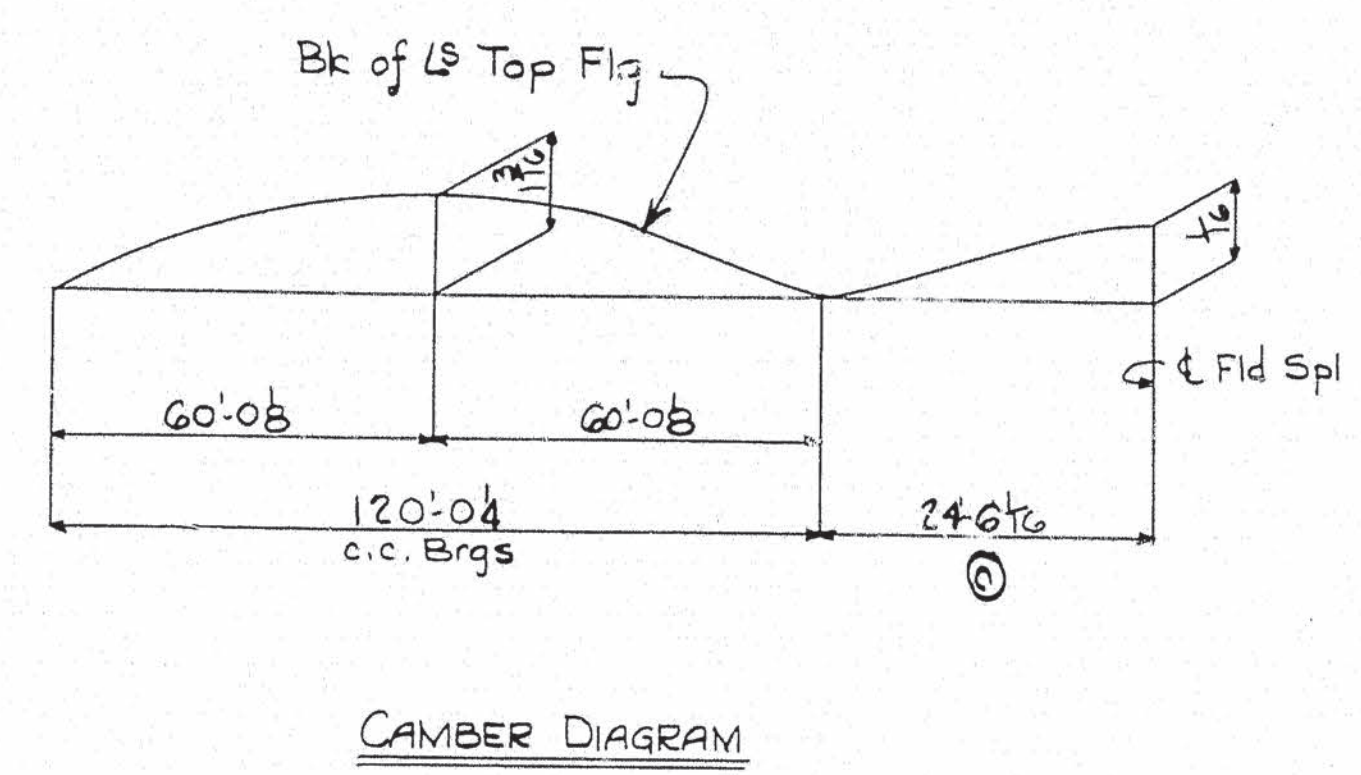
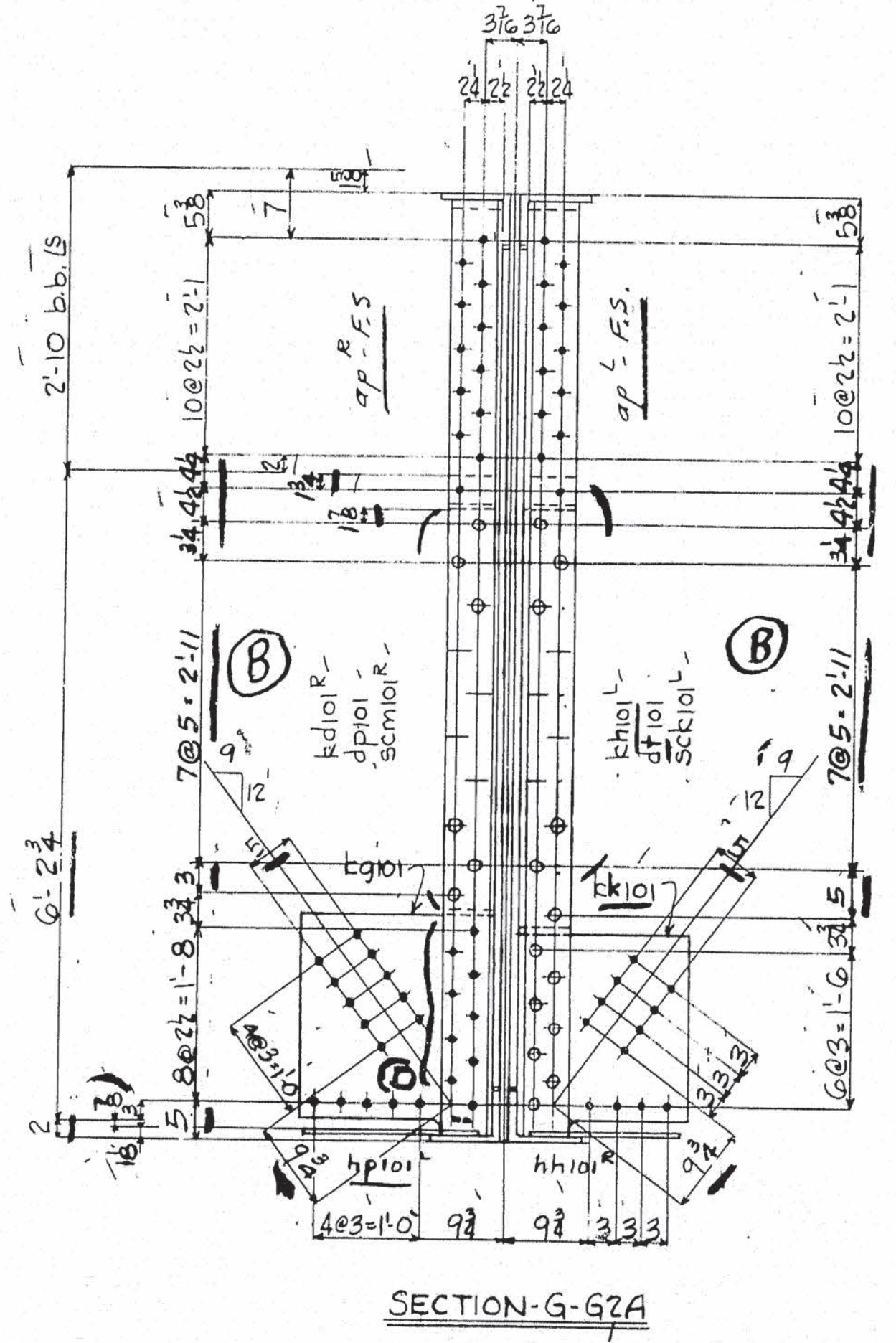
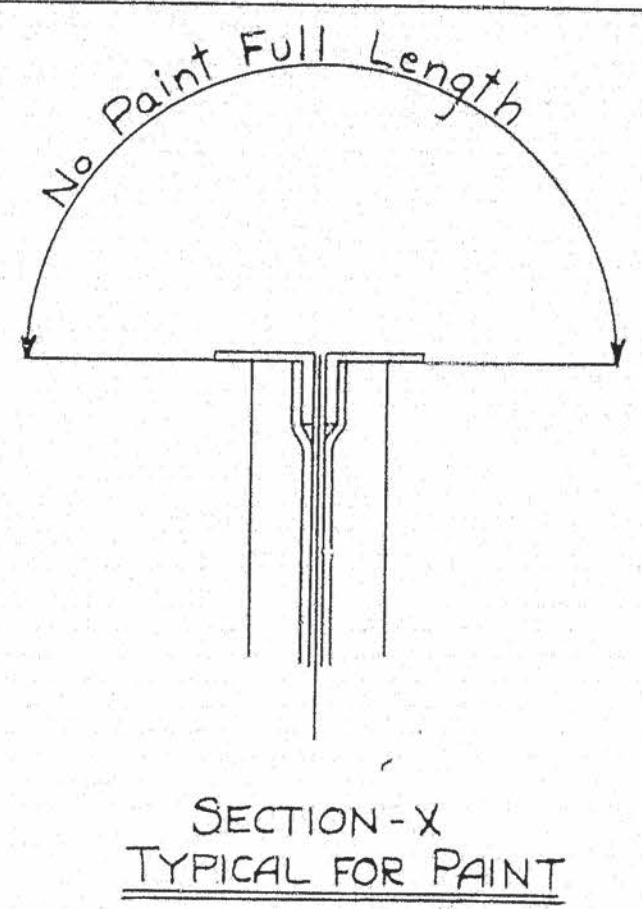
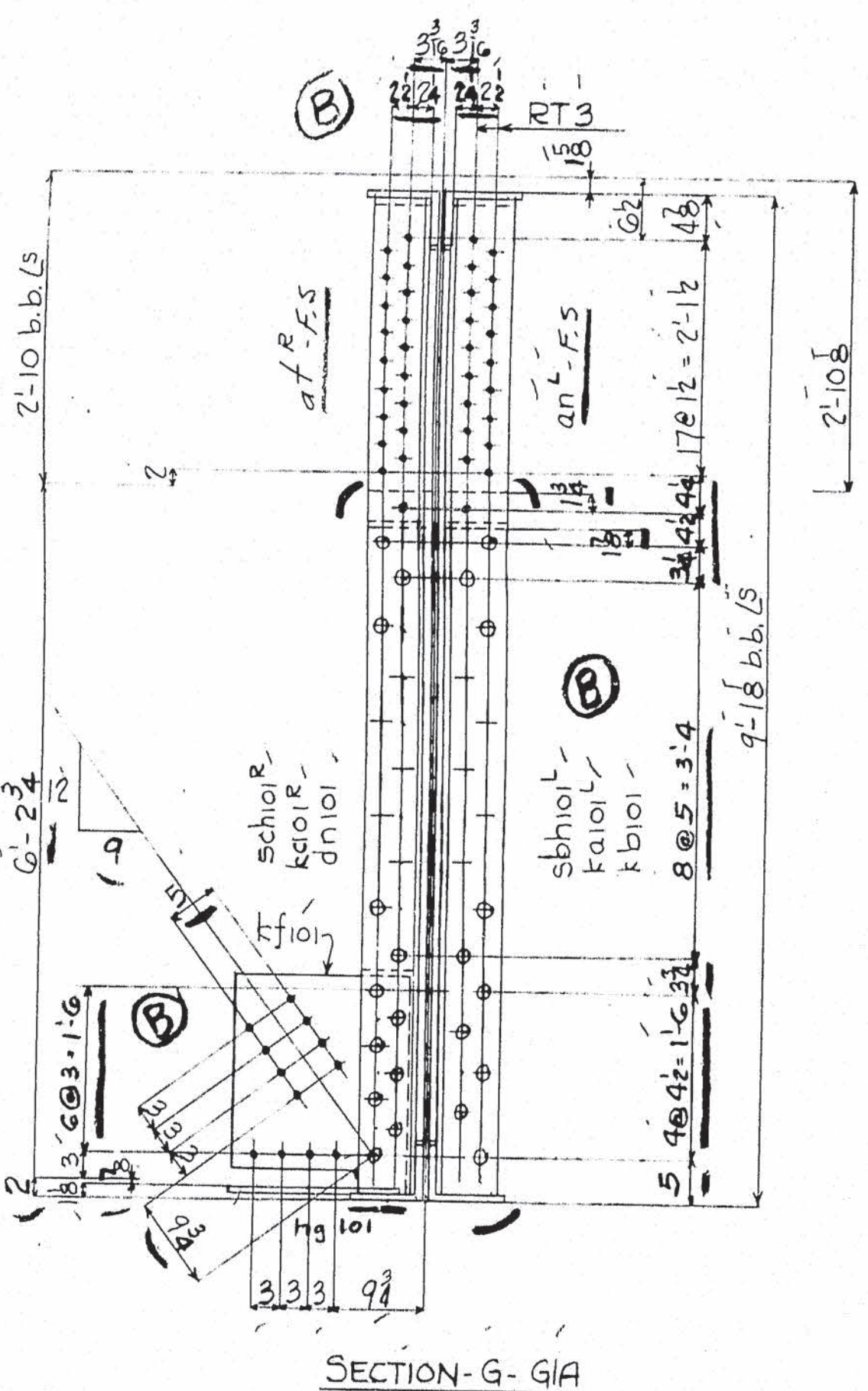
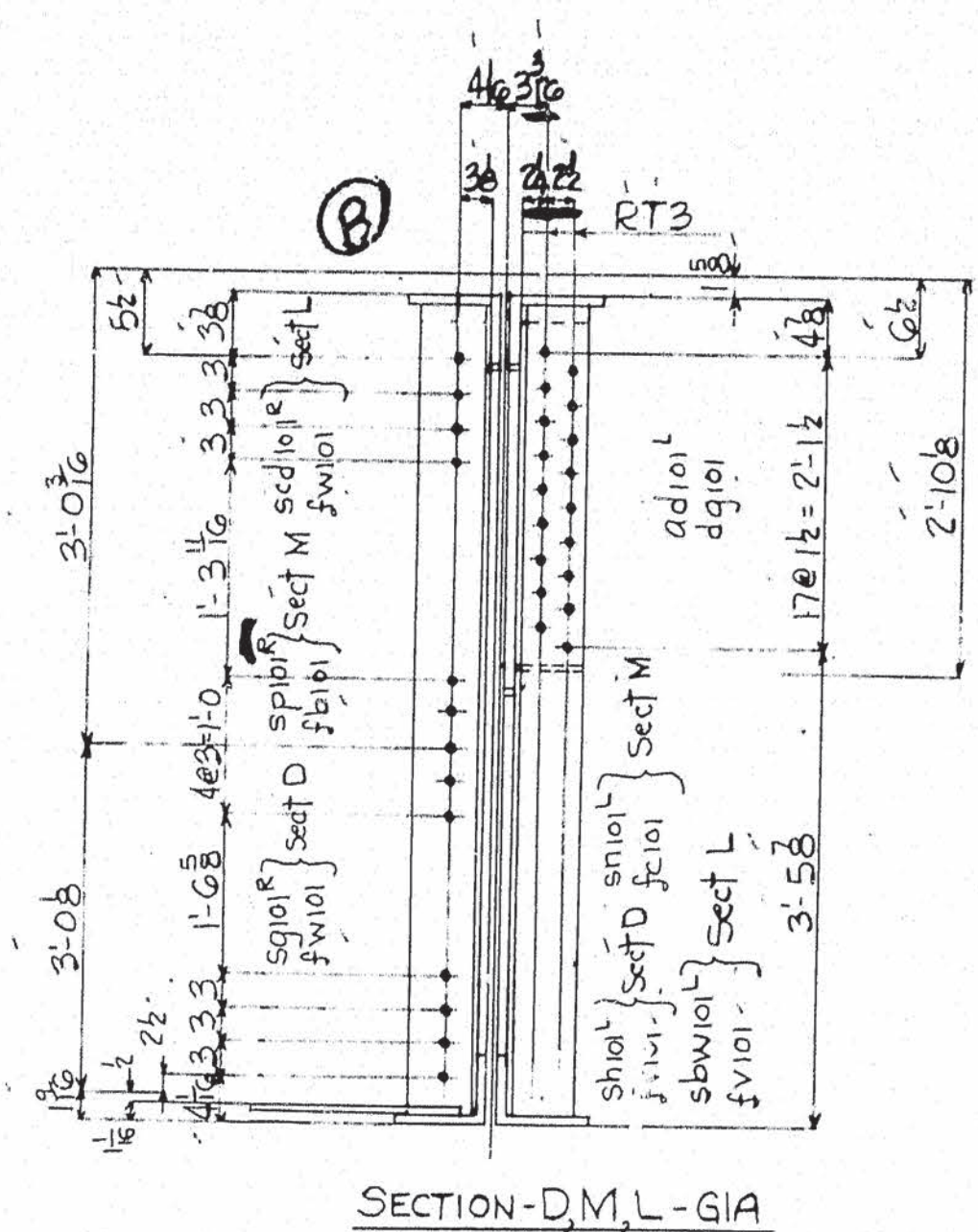
MR. B.

WELDING

62-170

AMERICAN BRIDGE COMPANY

LINE	ITEM	QTY	UNIT	SHAPE	SIZE	LENGTH	ASSEMBLY MARK	REMARKS	ORDERED	ITEM	QUANTITY	UNIT	WEIGHT	PRICE
1	4	108	ft	FL	3/4"	108	fp							
2	4	108	ft	FL	3/4"	108	fp							
3	4	108	ft	FL	3/4"	108	fp							
4	4	108	ft	FL	3/4"	108	fp							
5	4	108	ft	FL	3/4"	108	fp							
6	4	108	ft	FL	3/4"	108	fp							
7	4	108	ft	FL	3/4"	108	fp							
8	4	108	ft	FL	3/4"	108	fp							
9	4	108	ft	FL	3/4"	108	fp							
10	4	108	ft	FL	3/4"	108	fp							
11	4	108	ft	FL	3/4"	108	fp							
12	4	108	ft	FL	3/4"	108	fp							
13	4	108	ft	FL	3/4"	108	fp							
14	4	108	ft	FL	3/4"	108	fp							
15	4	108	ft	FL	3/4"	108	fp							
16	4	108	ft	FL	3/4"	108	fp							
17	4	108	ft	FL	3/4"	108	fp							
18	4	108	ft	FL	3/4"	108	fp							
19	4	108	ft	FL	3/4"	108	fp							
20	4	108	ft	FL	3/4"	108	fp							
21	4	108	ft	FL	3/4"	108	fp							
22	4	108	ft	FL	3/4"	108	fp							
23	4	108	ft	FL	3/4"	108	fp							
24	4	108	ft	FL	3/4"	108	fp							
25	4	108	ft	FL	3/4"	108	fp							
26	4	108	ft	FL	3/4"	108	fp							
27	4	108	ft	FL	3/4"	108	fp							
28	4	108	ft	FL	3/4"	108	fp							
29	4	108	ft	FL	3/4"	108	fp							
30	4	108	ft	FL	3/4"	108	fp							
31	4	108	ft	FL	3/4"	108	fp							
32	4	108	ft	FL	3/4"	108	fp							
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35	4	108	ft	FL	3/4"	108	fp							
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37	4	108	ft	FL	3/4"	108	fp							
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42	4	108	ft	FL	3/4"	108	fp							
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45	4	108	ft	FL	3/4"	108	fp							
46	4	108	ft	FL	3/4"	108	fp							
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51	4	108	ft	FL	3/4"	108	fp							
52	4	108	ft	FL	3/4"	108	fp							
53	4	108	ft	FL	3/4"	108	fp							
54	4	108	ft	FL	3/4"	108	fp							
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56	4	108	ft	FL	3/4"	108	fp							
57	4	108	ft	FL	3/4"	108	fp							
58	4	108	ft	FL	3/4"	108	fp							
59	4	108	ft	FL	3/4"	108	fp							
60	4	108	ft	FL	3/4"	108	fp							
61	4	108	ft	FL	3/4"	108	fp							
62	4	108	ft	FL	3/4"	108	fp							
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67	4	108	ft	FL	3/4"	108	fp							
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72	4	108	ft	FL	3/4"	108	fp							
73	4	108	ft	FL	3/4"	108	fp							
74	4	108	ft	FL	3/4"	108	fp							
75	4	108	ft	FL	3/4"	108	fp							
76	4	108	ft	FL	3/4"	108	fp							
77	4	108	ft	FL	3/4"	108	fp							
78	4	108	ft	FL	3/4"	108	fp							
79	4	108	ft	FL	3/4"	108	fp							
80	4	108	ft	FL	3/4"	108	fp							
81	4	108	ft	FL	3/4"	108	fp							
82	4	108	ft	FL	3/4"	108	fp							
83	4	108	ft	FL	3/4"	108	fp							
84	4	108	ft	FL	3/4"	108	fp							
85	4	108	ft	FL	3/4"	108	fp							
86	4	108	ft	FL	3/4"	108	fp							
87	4	108	ft	FL	3/4"	108	fp							
88	4	108	ft	FL	3/4"	108	fp							
89	4	108	ft	FL	3/4"	108	fp							
90	4	108	ft	FL	3/4"	108	fp							
91	4	108	ft	FL	3/4"	108	fp							
92	4	108	ft	FL	3/4"	108	fp							



NOTES

SPECIFICATIONS - Maine State Highway Commission 1945 and special Provisions.
MATERIAL - O.H. Steel A.S.T.M. A7-52T
RIVETS - 3/4" Holes - 1/2" Unless Noted
WORKMANSHIP - Holes in material thicker than the diameter of the rivet shall be drilled.
 Holes in main material, including holes at splices, in bearing stiffeners and splice plates to be subpunched or subdrilled 1/4" and reamed to size.
 Holes marked RT to be subpunched or subdrilled 1/4" and reamed to size to a metal template.
 Holes marked RA to be subpunched or subdrilled 1/4" and reamed to size while connecting members are assembled to cambered position. (See Sheet E102)
 Connecting members to be match marked.
 Fillers and splice plates under stiffeners to fit within 1/8" of flange angles.
 B.E. indicates bearing end of stiffeners.
PAINT - SHOP CONTACT SURFACES No. Yes, Except as shown in Section X

LINE	ITEM	QTY	UNIT	SHAPE	SIZE	LENGTH	ASSEMBLY MARK	REMARKS	ORDERED	ITEM	QUANTITY	UNIT	WEIGHT	PRICE
68	1	22 1/2	2	OK	pc101G3A	14	S							
69	3	17 1/2	2	0	pd101G2A	6	S							
70	3	17 1/2	2	0	pd101G3A	6	S							
71	1	17 1/2	1	11 1/2	hb101G2A	10	S							
72	1	17 1/2	1	11 1/2	hb101G3A	10	S							
73	1	30 3/4	4	6 1/2	hb101G2A	56	S							
74	1	30 3/4	4	6 1/2	hb101G3A	56	S							
75	1	24 3/4	3	6 1/2	hb101G2A	29	S							
76	1	24 3/4	3	6 1/2	hb101G3A	29	S							
77	1	17 1/2	1	10	hb101G2A	10	S							
78	1	17 1/2	1	10	hb101G3A	10	S							
79	1	22 1/2	2	2	Finl	6	S							
80	1	22 1/2	2	2	Finl	6	S							
81					Paint									
82					Paint									
83														
84														
85														
86														
87														
88														
89														
90														
91														
92														

SHEET 301 WORKS WITH THIS SHEET

LIFTING WT=32 TONS G3 wld.
 STATE OF MAINE
 STATE HIGHWAY COMMISSION
 BANGOR-BREWER BRIDGE
 PENOBSCOT RIVER
 BANGOR, MAINE
 Sheet Total: 225125
 AMERICAN BRIDGE COMPANY
 DRAWINGS MADE AT TRENTON PLANT
 WORK FABRICATED AT AMBRIDGE PLANT
 IN CHARGE OF E.B. MARKS
 DRAW. MADE BY W.J.P. DATE 1-29-54
 DRAW. CHECKED BY FEL DATE 1-29-54
 ORDER NO. 94150 SHEET NO. 101F
 MR. 104, 105, 106 62-171

DIVISION.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	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	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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$\frac{B}{B}$

(B)

CROSS FRAMES DIV. 1-2-3-4-5 RIV
STATE OF MAINE Sheet Total = 36490

STATE OF MAINE ^{Sheet 1 of 2}
STATE HIGHWAY COMMISSION
BANGOR-BREWER BRIDGE
OVER PENOBSCOT RIVER
BANGOR, MAINE

BANGOR, MAINE

AMERICAN B

AMERICAN B
DIVISION
UNITED STATES DEPT. OF COMMERCE

MADE IN THE U.S.A.

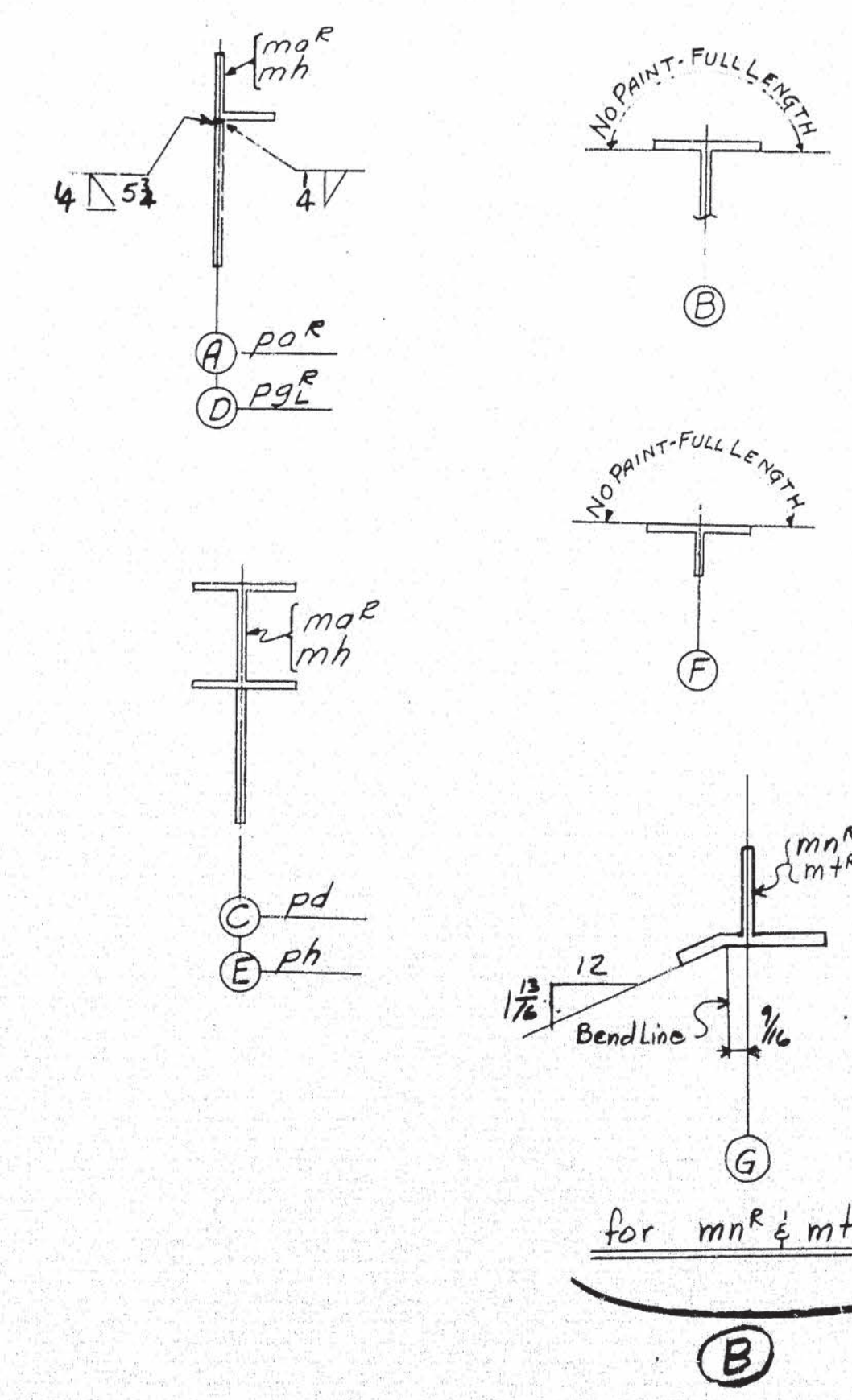
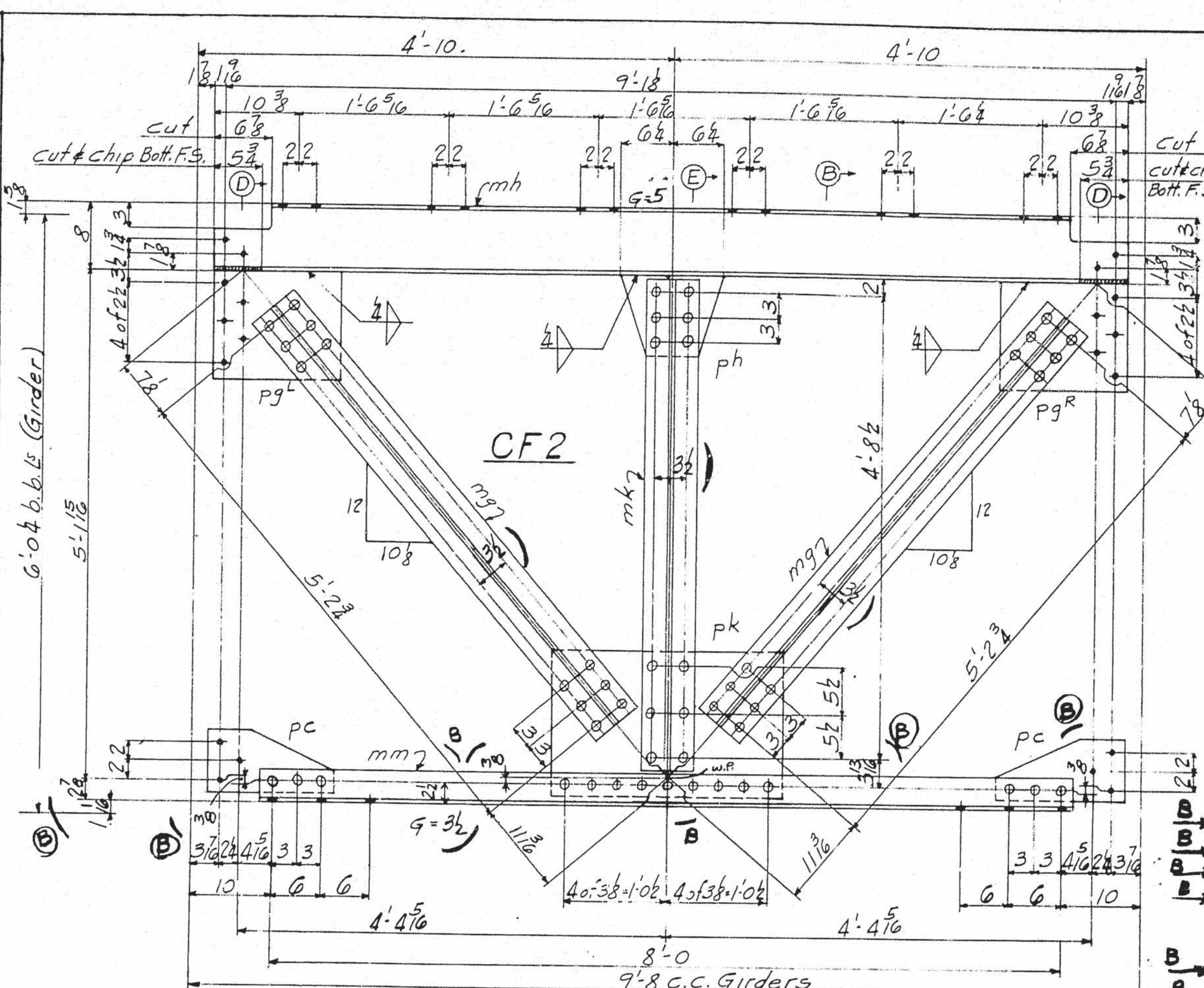
F		DRAWINGS MADE AT <u>TRENTON</u> PLANT
E		WORK FABRICATED AT <u>AMBRIDGE</u> PLANT
		IN CHARGE OF <u>FR MARKS</u>

D		IN CHARGE OF <u>WILLIAMS</u>
C	3-3-54	DRAW. MADE BY <u>SHC</u> DATE <u>9-3-53</u>
		DRAW. CHECKED BY <u>PRY</u> DATE <u>3-10-54</u>

<input type="checkbox"/> B	2-26-54	ORDER No. 04150	SHEET No. 102
<input checked="" type="checkbox"/> X	2-22-54		
REVISIONS			

Adm. Bill 101

62-172 Weld



Page 100 R 1 and 2

AMERICAN BRIDGE

LINE	ITEM	QUANTITY	UNIT	REMARKS	ORDERED	REMARKS	REVISIONS
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67							

DIVISIONS

5 4 3 2 1

2 2 2

4 CROSS FRAMES CF4

4 CROSS FRAMES CF8

8 WEB R 33 1/2 x 3 x 9 1/2

16 L 4 3/8 x 7 1/2

16 L 4 3/8 x 8 3/4

16 L 4 3/8 x 2 3/4

8 R 2 3/4 x 2 3/4

4 FILL 2 3/4 x 2 3/4

16 DIAGONALS D1

16 STCB 14 5/8 x 12

12 DIAGONALS D2

12 ATCB 14 5/8 x 8 3/4

12 R 10 1/2 x 1 1/2

4 CROSS FRAMES CF15

4 CROSS FRAMES CF16

19 CROSS FRAMES CF5

27 ATCB 17 1/2 x 7 1/2

19 ATCB 17 1/2 x 8 3/4

54 L 4 3/8 x 6 1/2

27 L 4 3/8 x 5 3/8

54 R 18 1/2 x 1 1/2

27 R 9 1/2 x 1 1/2

27 R 14 1/2 x 1 1/2

54 R 12 1/2 x 1 1/2

8 ATCB 17 1/2 x 3 1/2

2 STRUTS-S26

2 STRUTS-S27

2 STRUTS-S28

2 STRUTS-S29

8 STCB 33 1/2 x 8 3/4

2 FILL db 526

2 FILL dc 527

4 FILL dc 528

2 FILL dd 529

2 FILL dfr 528

4 FILL dfl 528 & 529

Sheet Total 26475

CROSS FRAMES DIV. 1-2-3-4-5

NOTES:
SPECIFICATIONS: MAINE STATE HIGHWAY COMMISSION 1945
AND SPECIAL PROVISIONS.
MATERIAL: O.H. STEEL A.S.T.M. A7-52T
RIVETS: 3/8"
HOLES: 1 1/8"
WORKMANSHIP: Holes marked RT to be subpunched
or subdrilled & reamed to size to a metal template.
PAINT: Yes Except as noted.
SHOP CONTACT SURFACES: No.

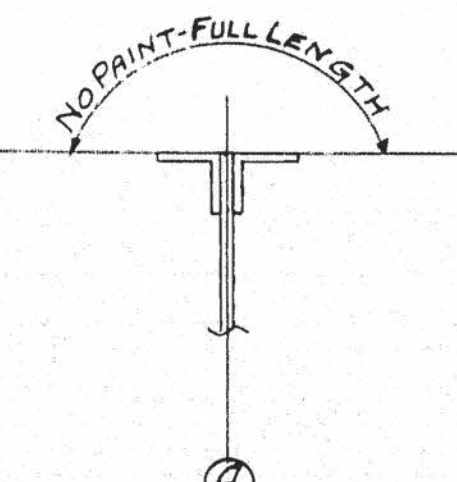
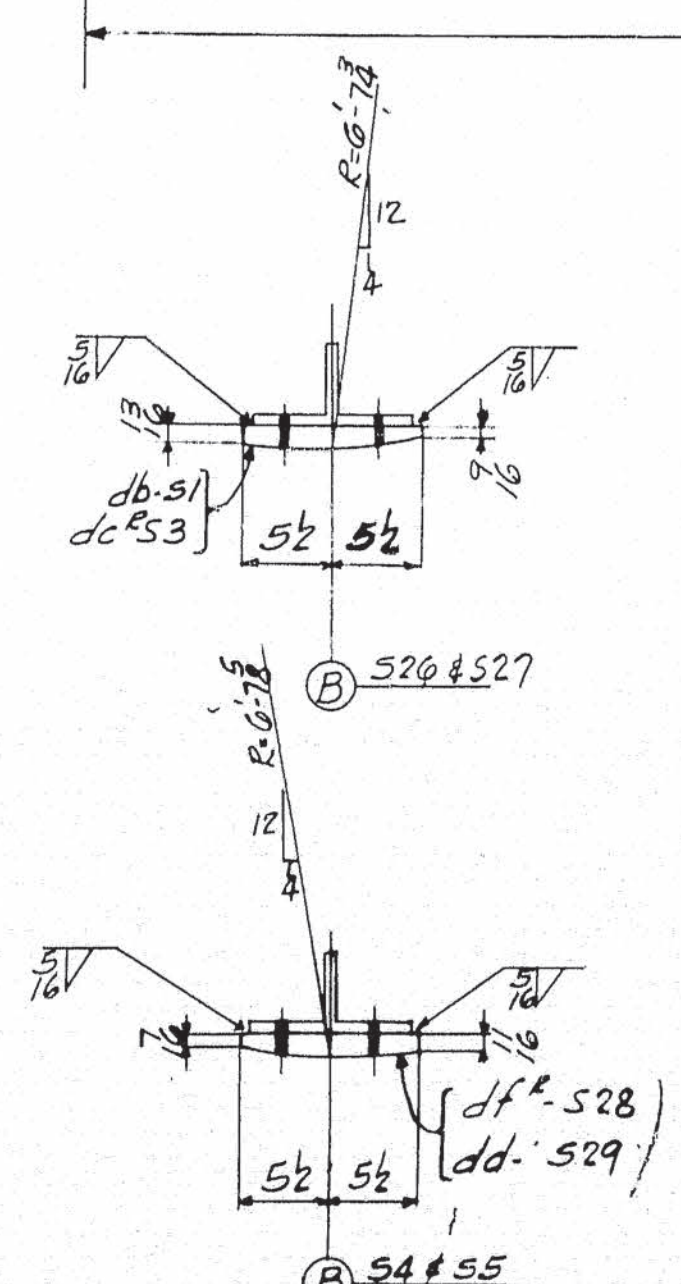
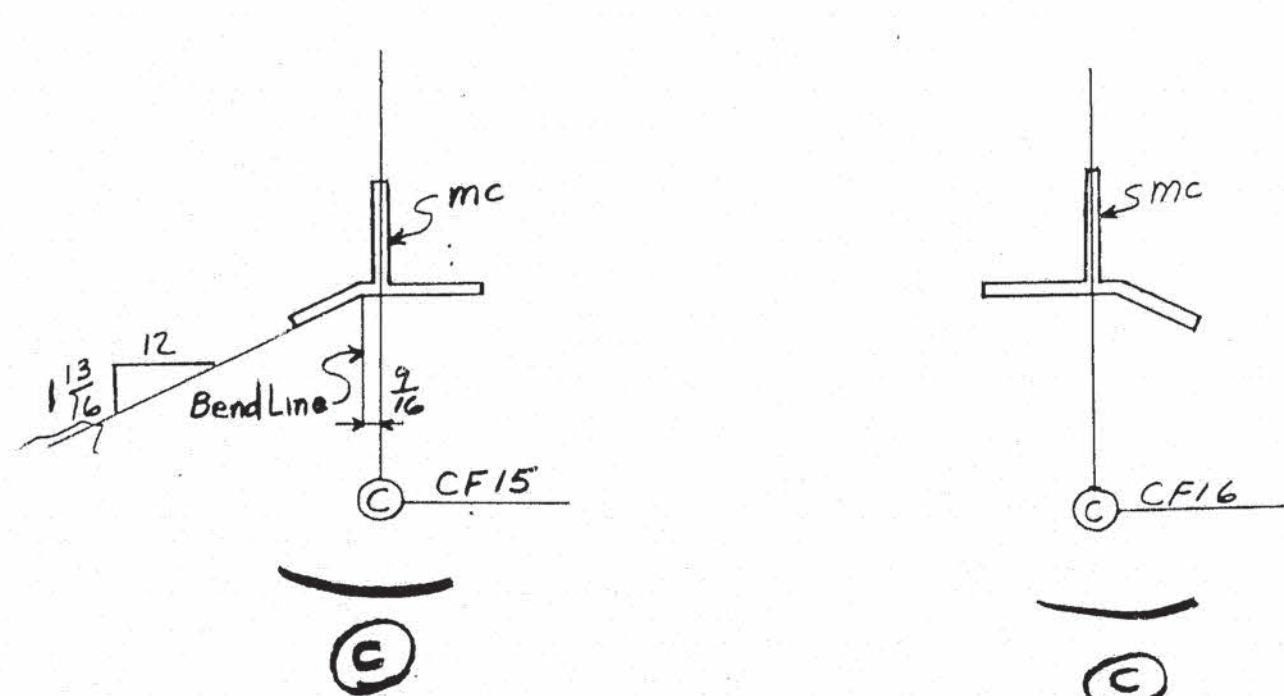
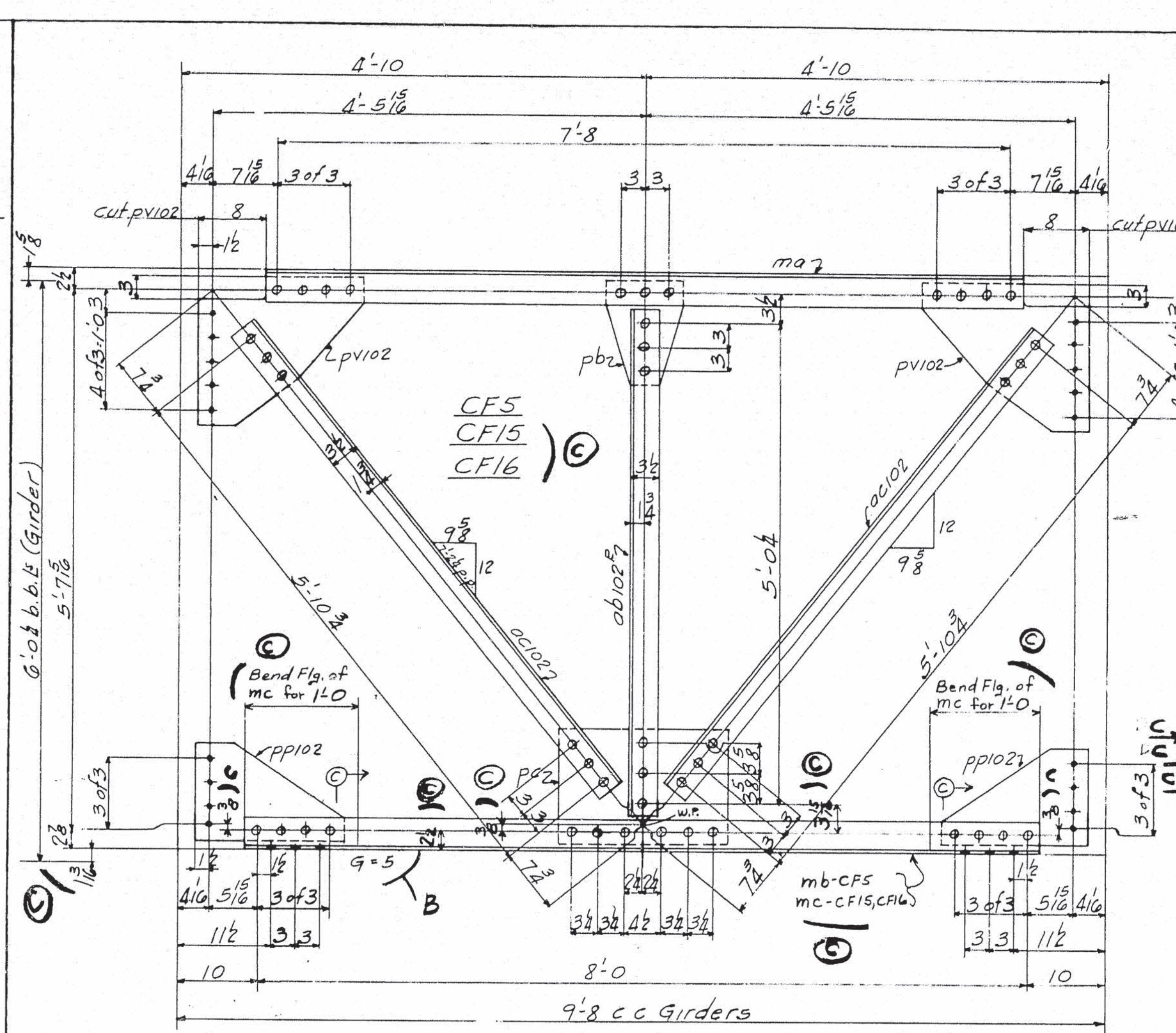
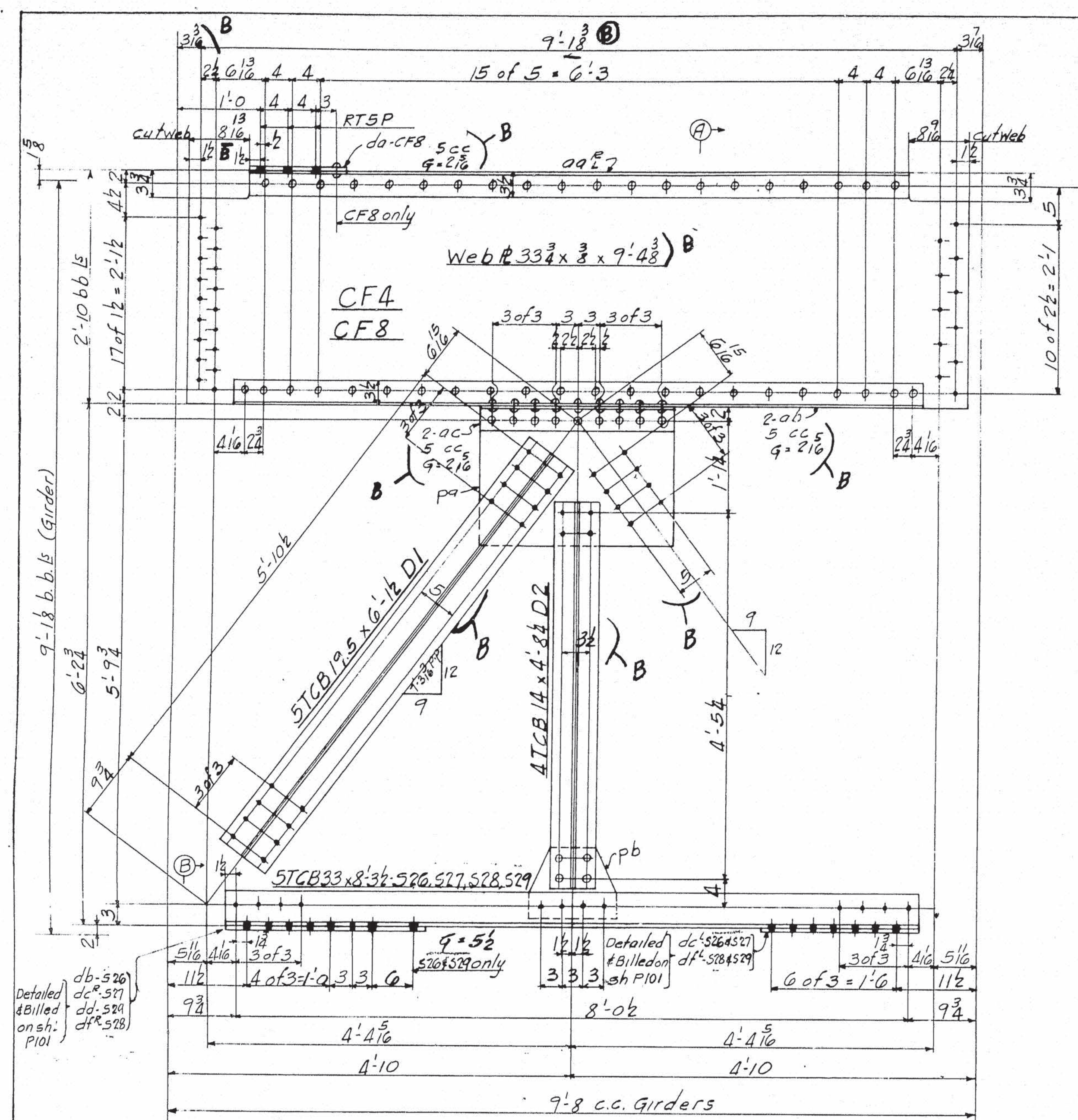
STATE OF MAINE
STATE HIGHWAY COMMISSION
BANGOR-BREWER BRIDGE
OVER PENOBSCOT RIVER
BANGOR, MAINE
AMERICAN BRIDGE
DIVISION

DRAWINGS MADE AT TRENTON PLANT
WORK FABRICATED AT AMERICAN BRIDGE PLANT
IN CHARGE OF E.B. MARKS
DRAW. MADE BY S.H.C. DATE 7-9-53
DRAW. CHECKED BY S.H.C. DATE 7-11-53
ORDER NO. 4150 SHEET NO. 103

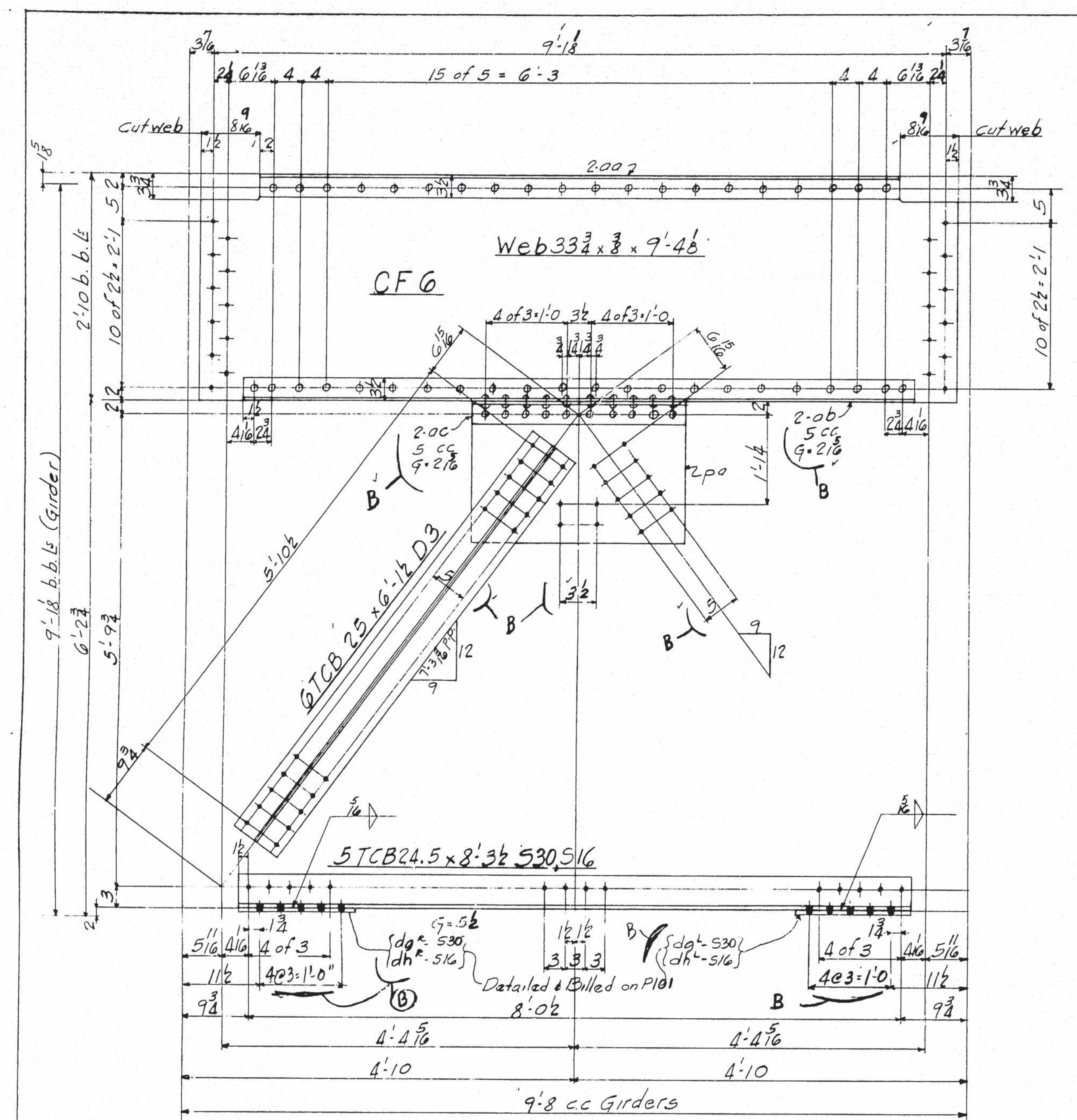
REVISIONS

101-102

Weld
62-173



ITEM	QTY	UNIT	DESCRIPTION	REMARKS
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DRAWING WITH BILL									
AMERICAN BRIDGE									
DIVISION									
LINE	ITEM	QTY	UNIT	MATERIAL	LENGTH	ASSEMBLING	REMARKS	ORDERED	CALCULATED
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NOTES:
 Specifications: Maine State Highway Comm'n. 1945
 and Special Provisions
 Material: g.H. Steel A.S.T.M. A7-52T
 Holes: 1/8"
 Rivets: 3/4"
 Paint: Yes
 Shop Contact Surfaces: No
 D (Spacing not given) = 3"

CROSS FRAMES

STATE OF MAINE
 STATE HIGHWAY COMMISSION
 BANGOR-BREWER BRIDGE
 OVER PENOBSCOT RIVER
 BANGOR, MAINE
 DIVISION
 AMERICAN BRIDGE
 UNITED STATES STEEL COMPANY

DRAWINGS MADE AT TRENTON PLANT
 WORK FABRICATED AT AMBRIDGE PLANT
 IN CHARGE OF E.B. MARKS
 DRAW. MADE BY J.R.C. DATE 9-10-53
 DRAW. CHECKED BY J.R.C. DATE 2-12-54
 ORDER No. Q4150 SHEET No. 104

DRAWING WITH BILL AMERICAN BRIDGE

UNITED STATES STEEL COMPANY

LINE	ITEM	QTY	UNIT	MATERIAL	LENGTH	ASSEMBLY MARK	REMARKS	ORDERED	CALCULATED
				SHAPE	Feet-Inches			ITEM	WEIGHT FOR ONE SHEET, LBS.
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LATERAL BRACING

STATE OF MAINE
STATE HIGHWAY COMMISSION
BANGOR-BREWER BRIDGE
OVER PENOBSCOT RIVER
BANGOR, MAINE

AMERICAN BRIDGE

DRAWINGS MADE AT TRENTON PLANT

WORK FABRICATED AT AMBRIDGE PLANT

IN CHARGE OF E.B. MARKS

DRAW. MADE BY G.P.C. DATE 7-21-53

DRAW. CHECKED BY G.P.C. DATE 2-10-54

REVISIONS
X 2-22-54
G 4150

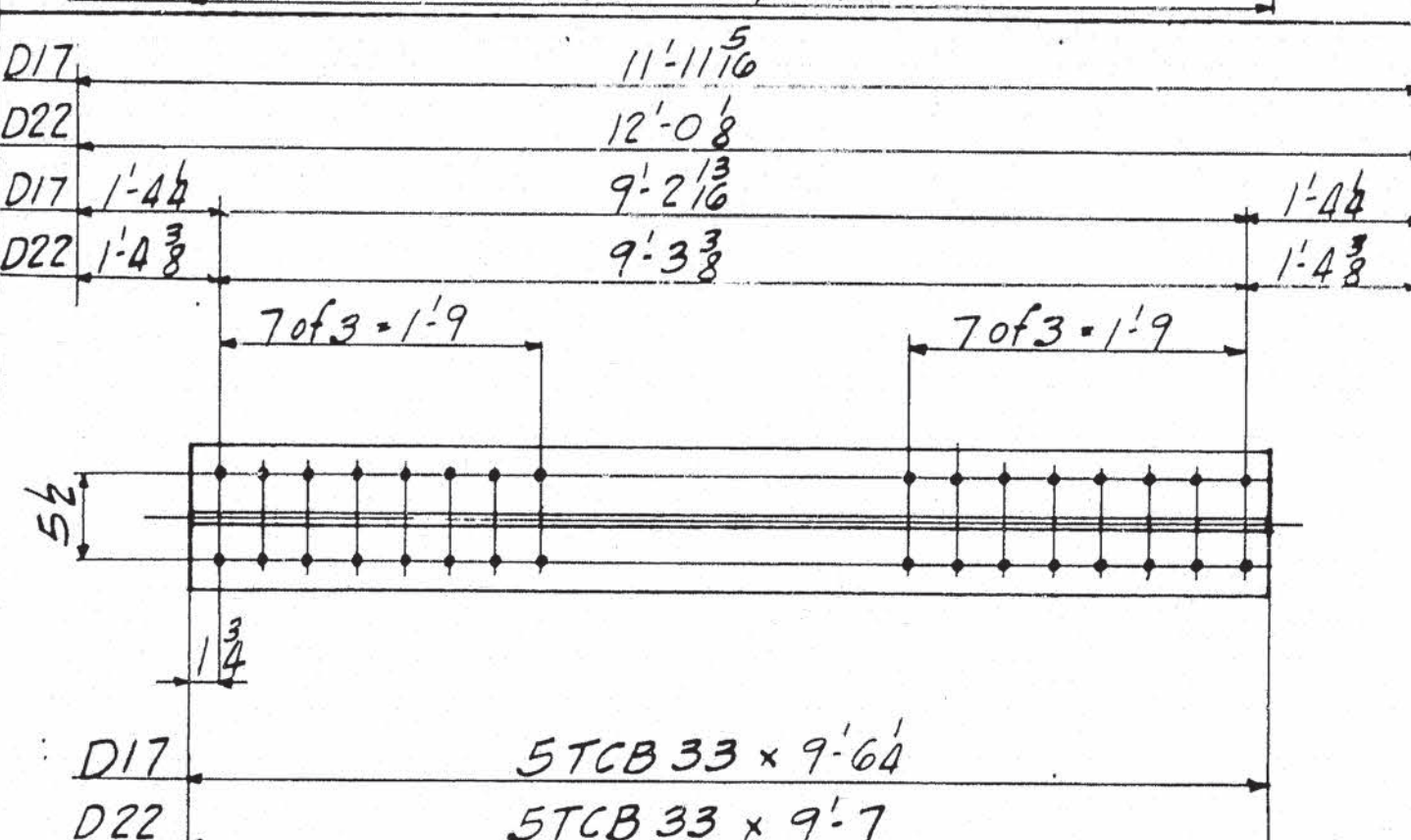
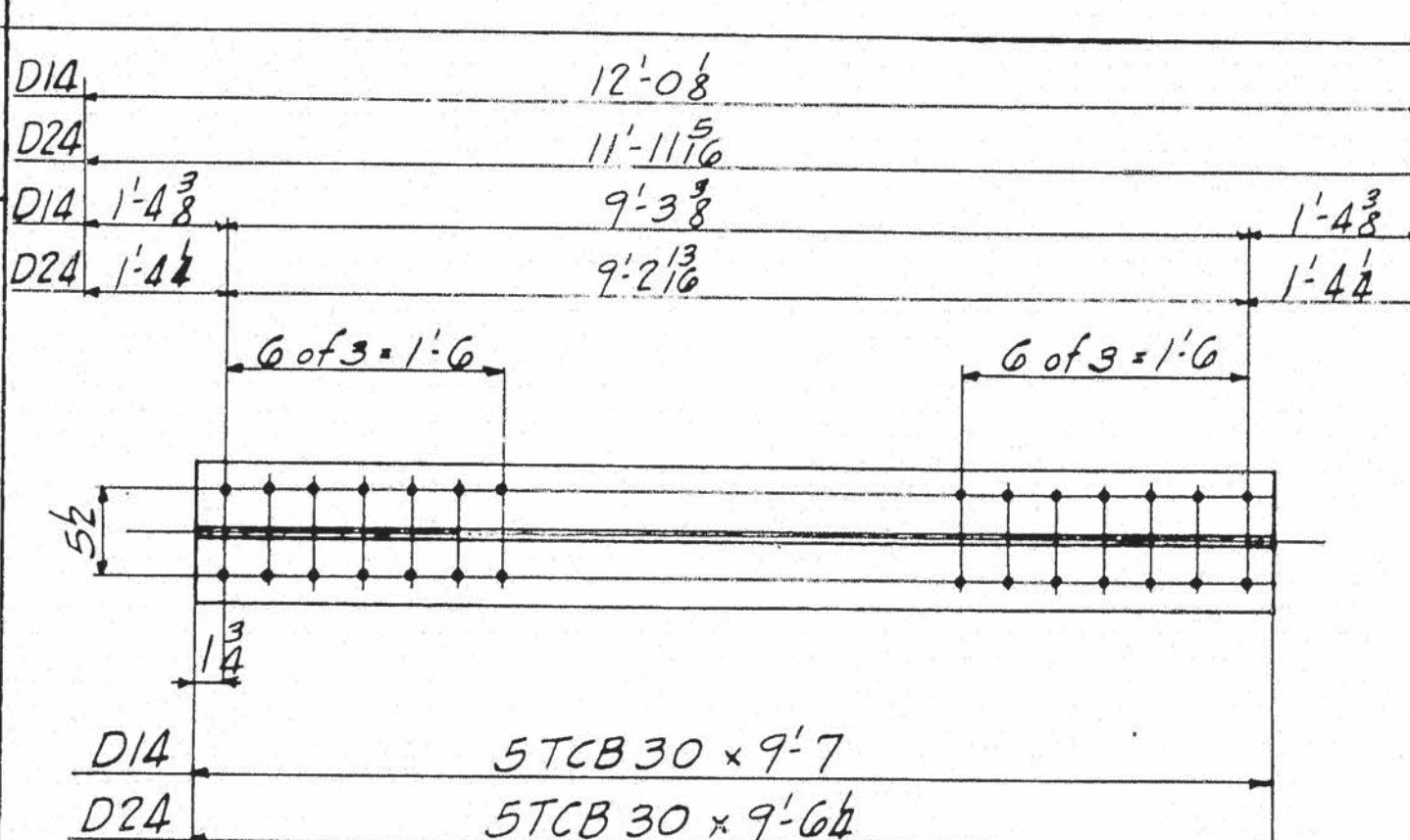
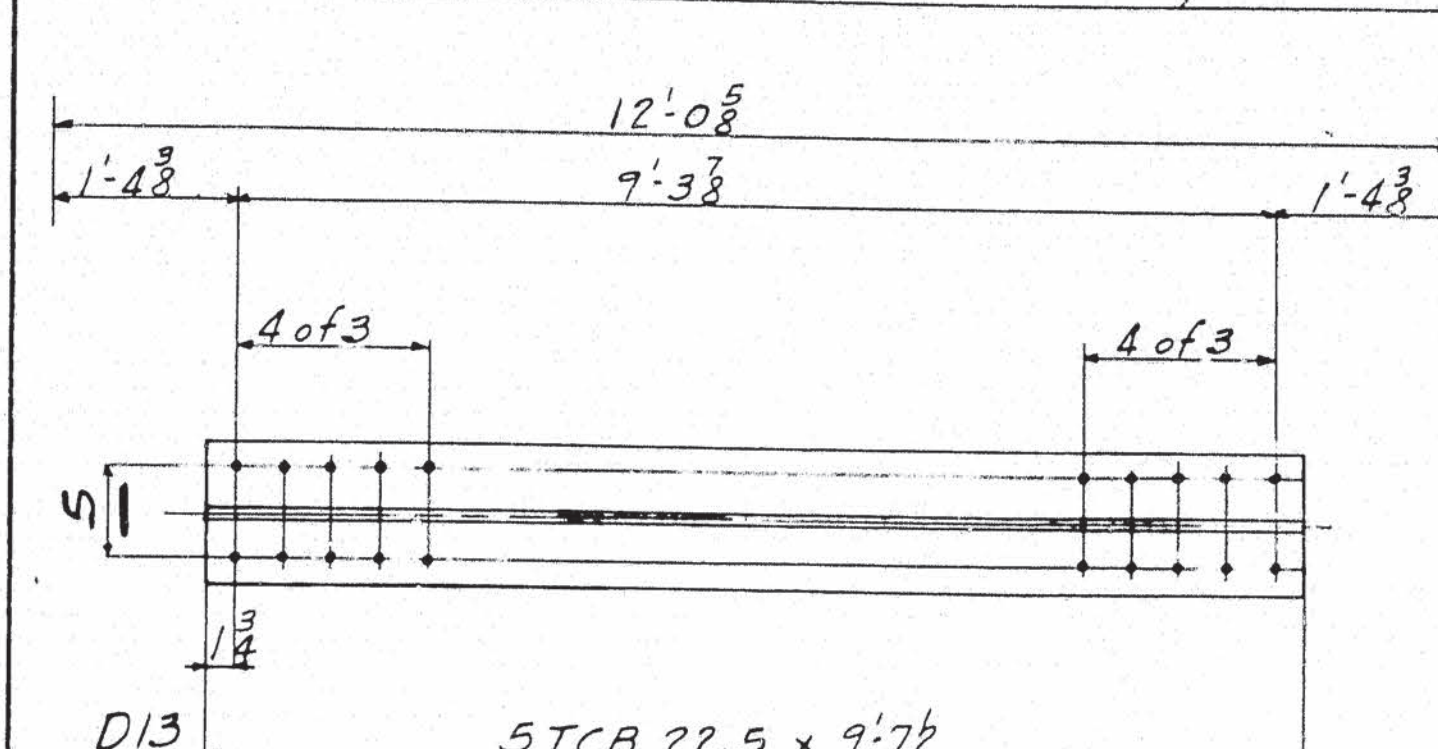
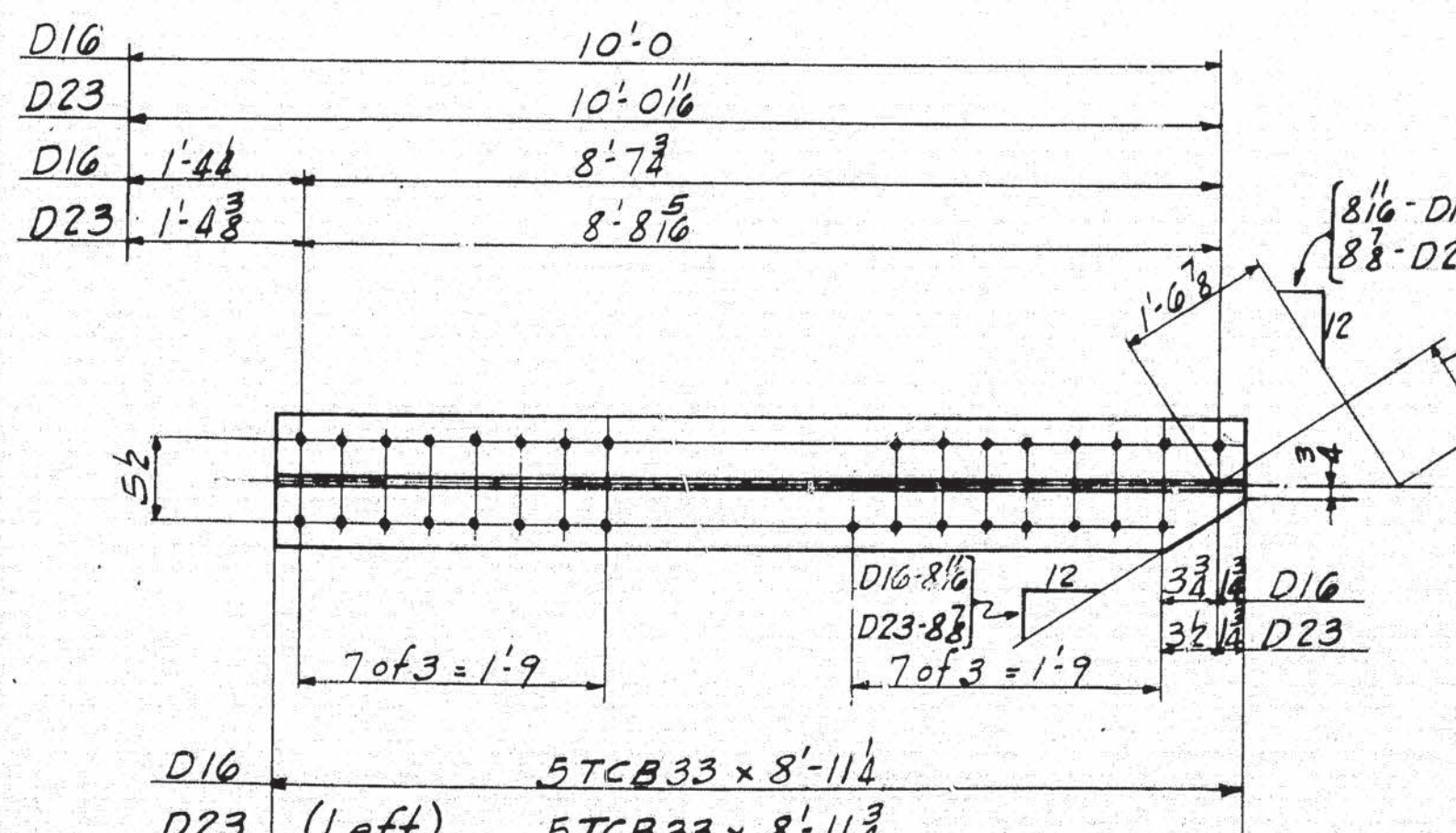
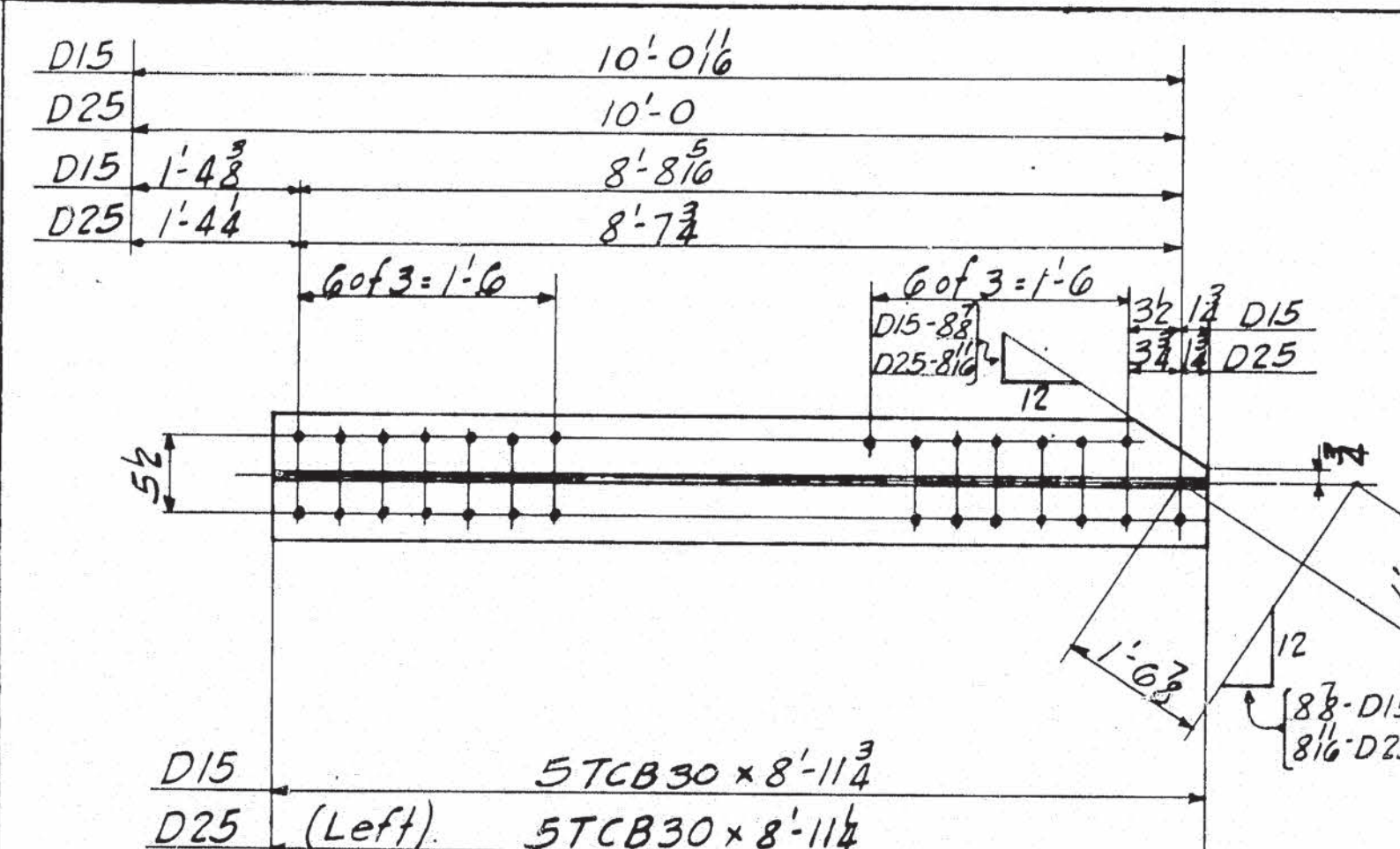
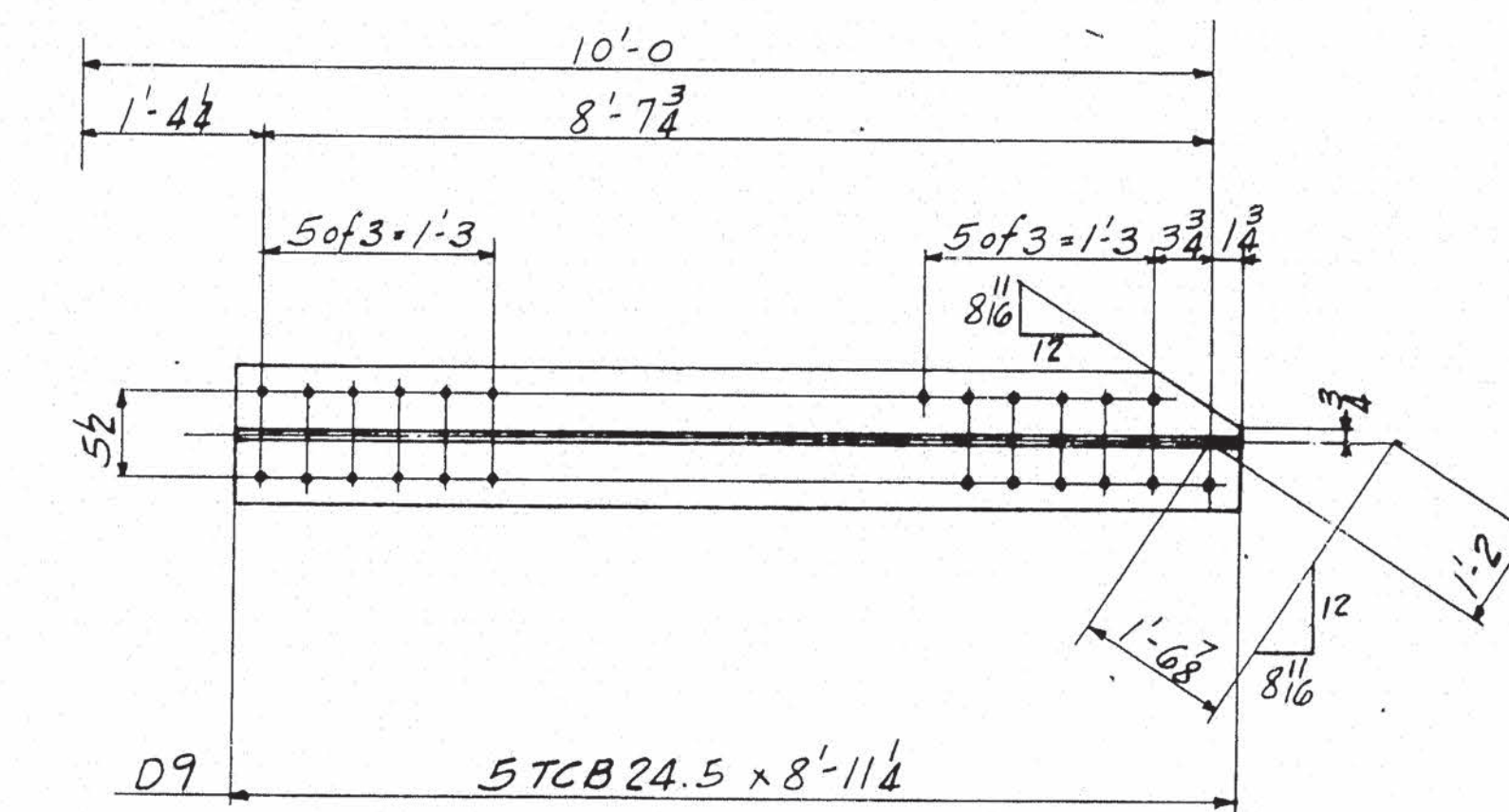
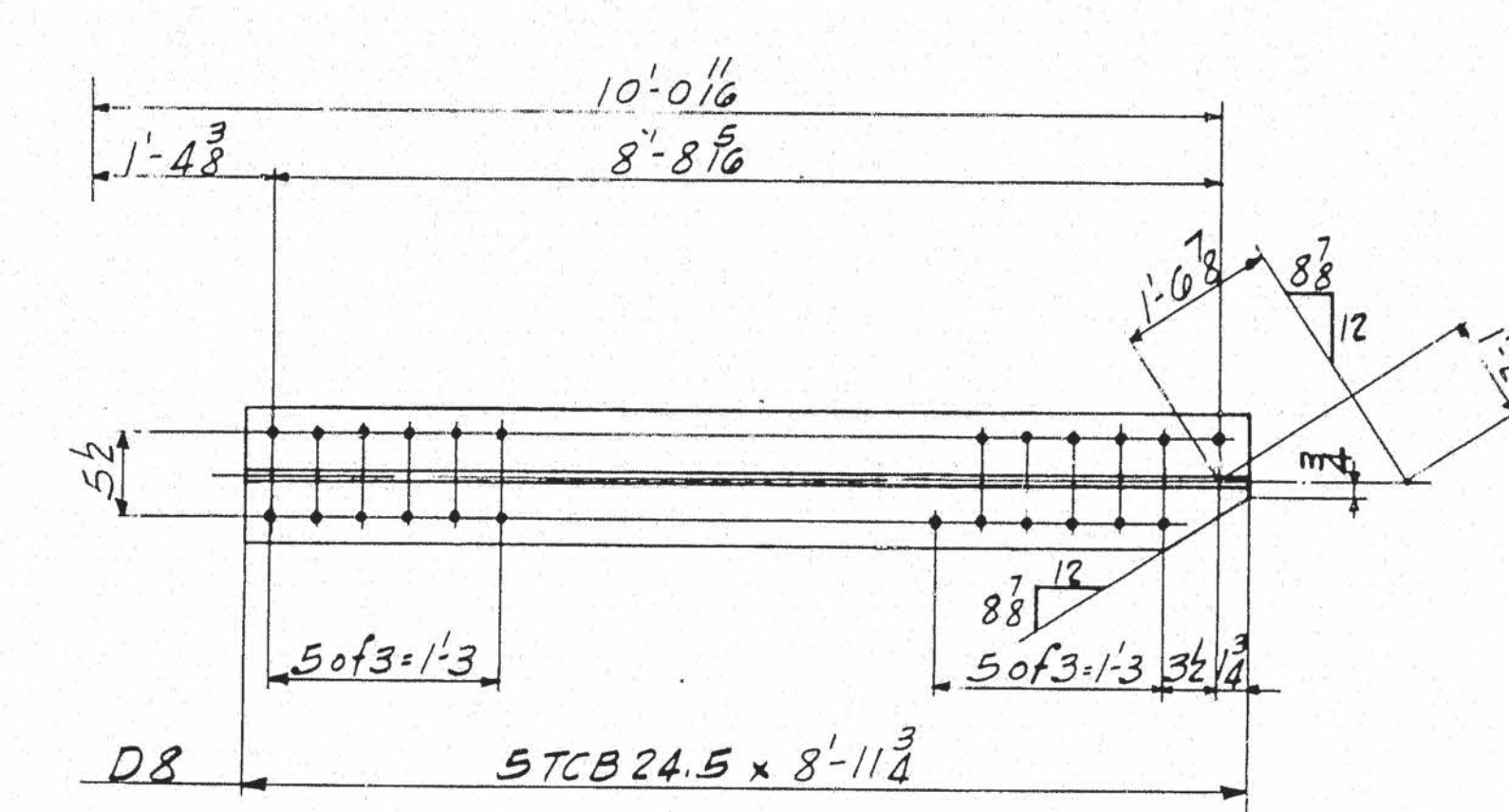
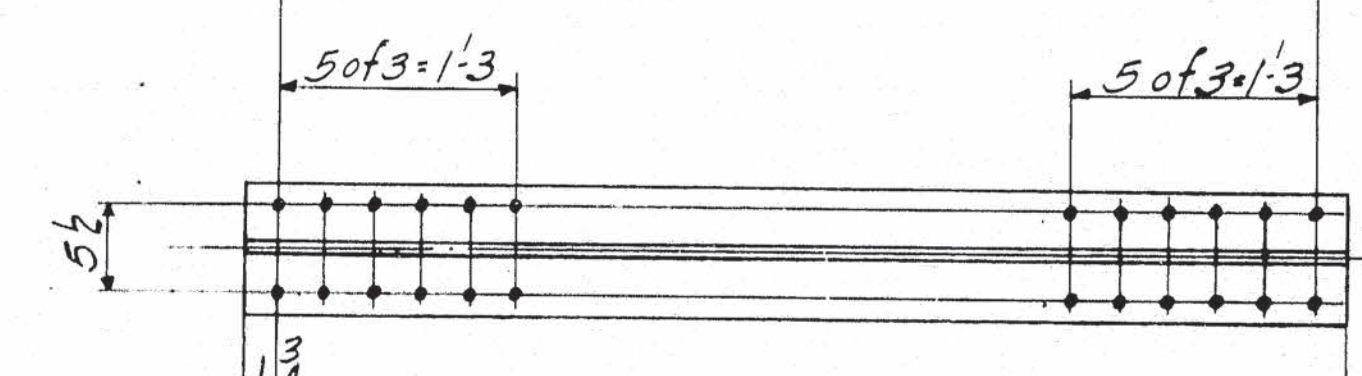
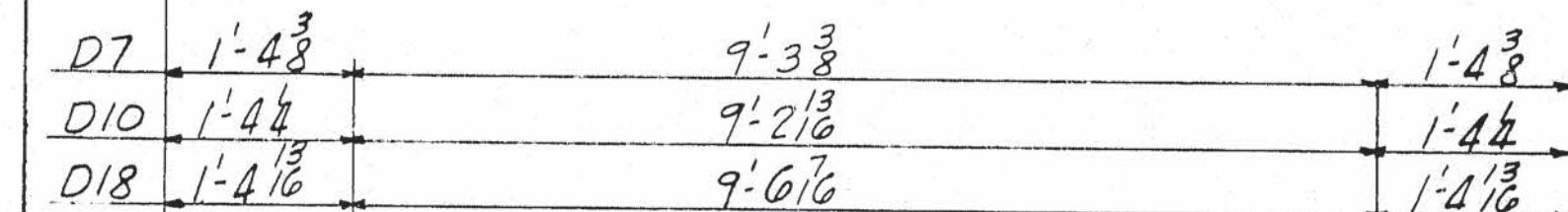
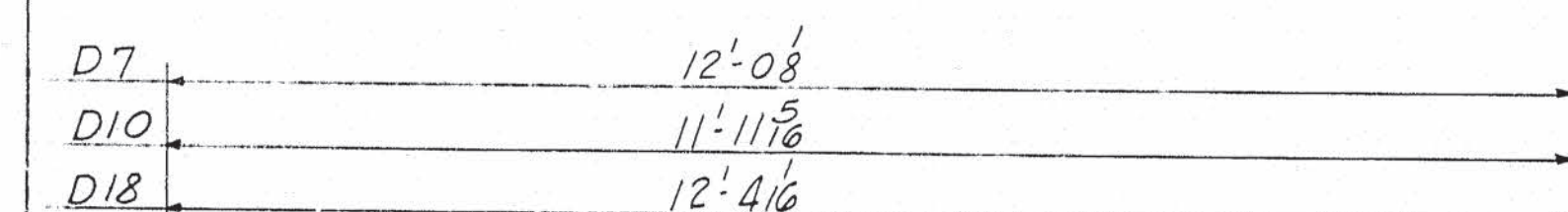
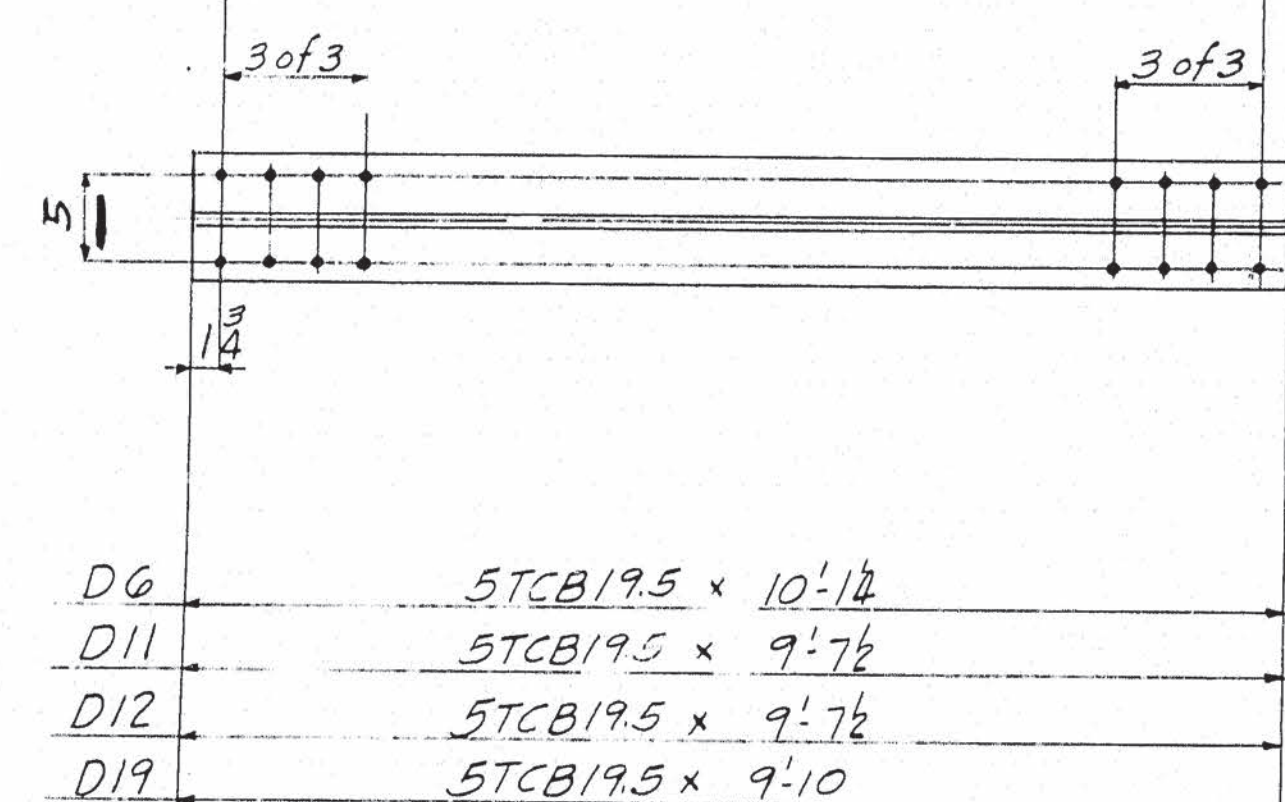
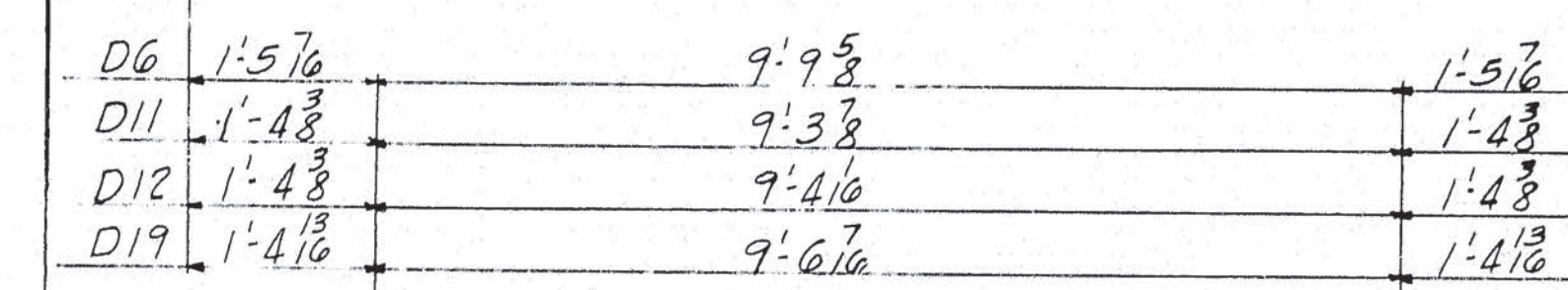
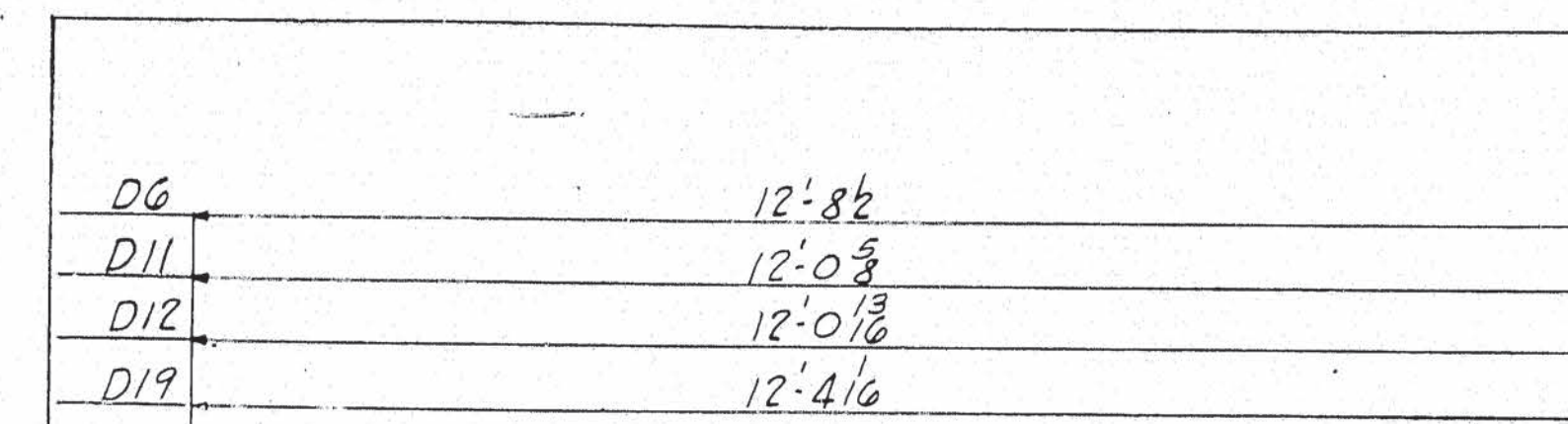
ORDER NO. SHEET NO.
Q 4150 105

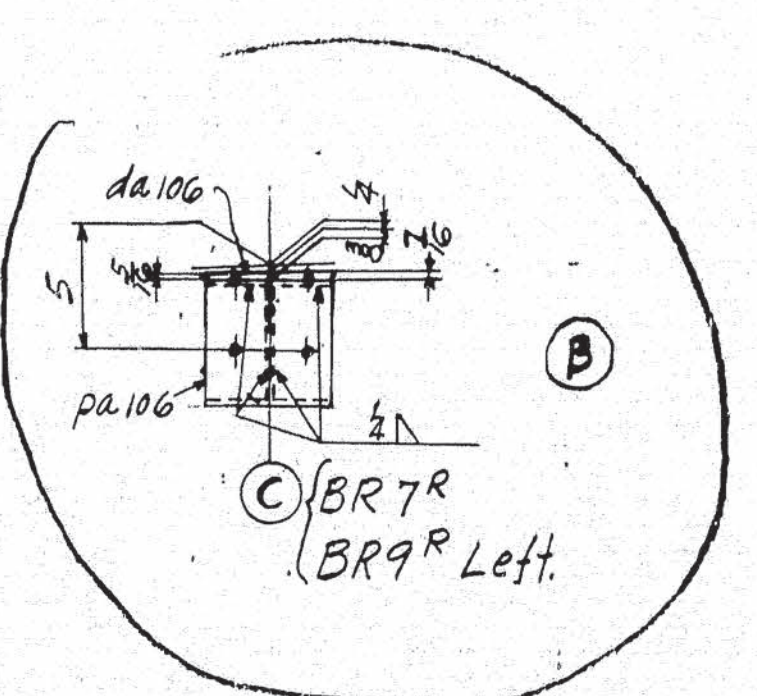
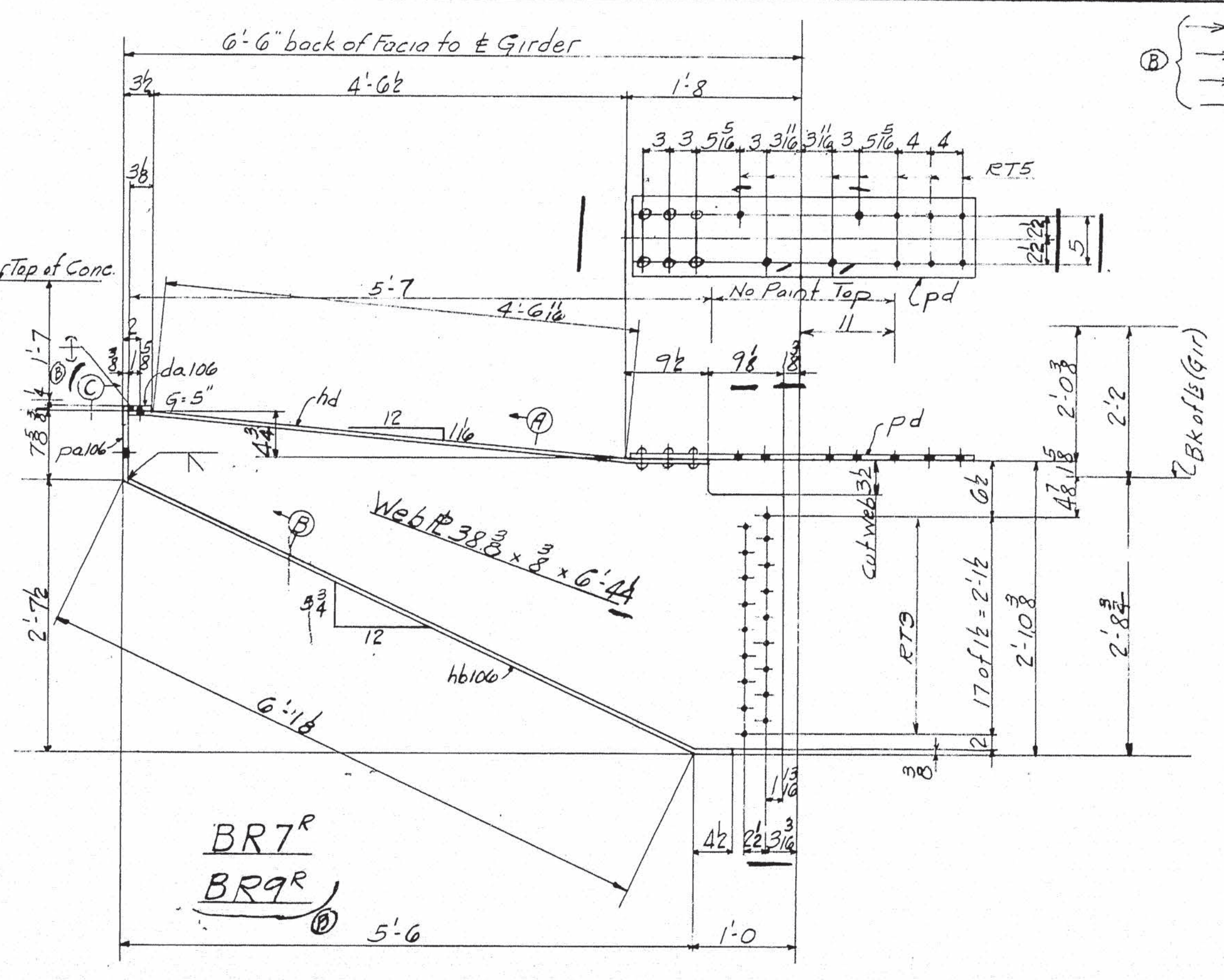
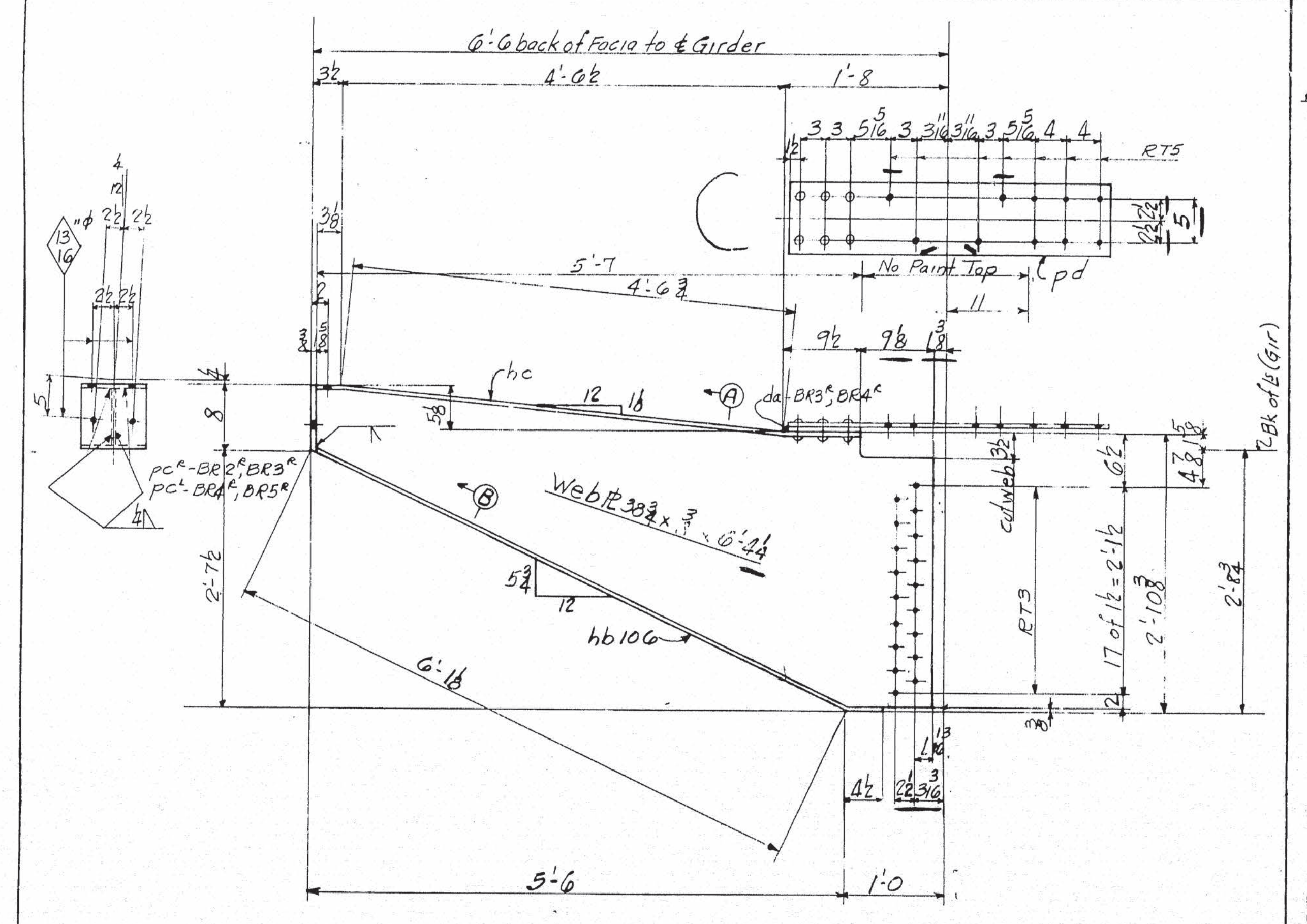
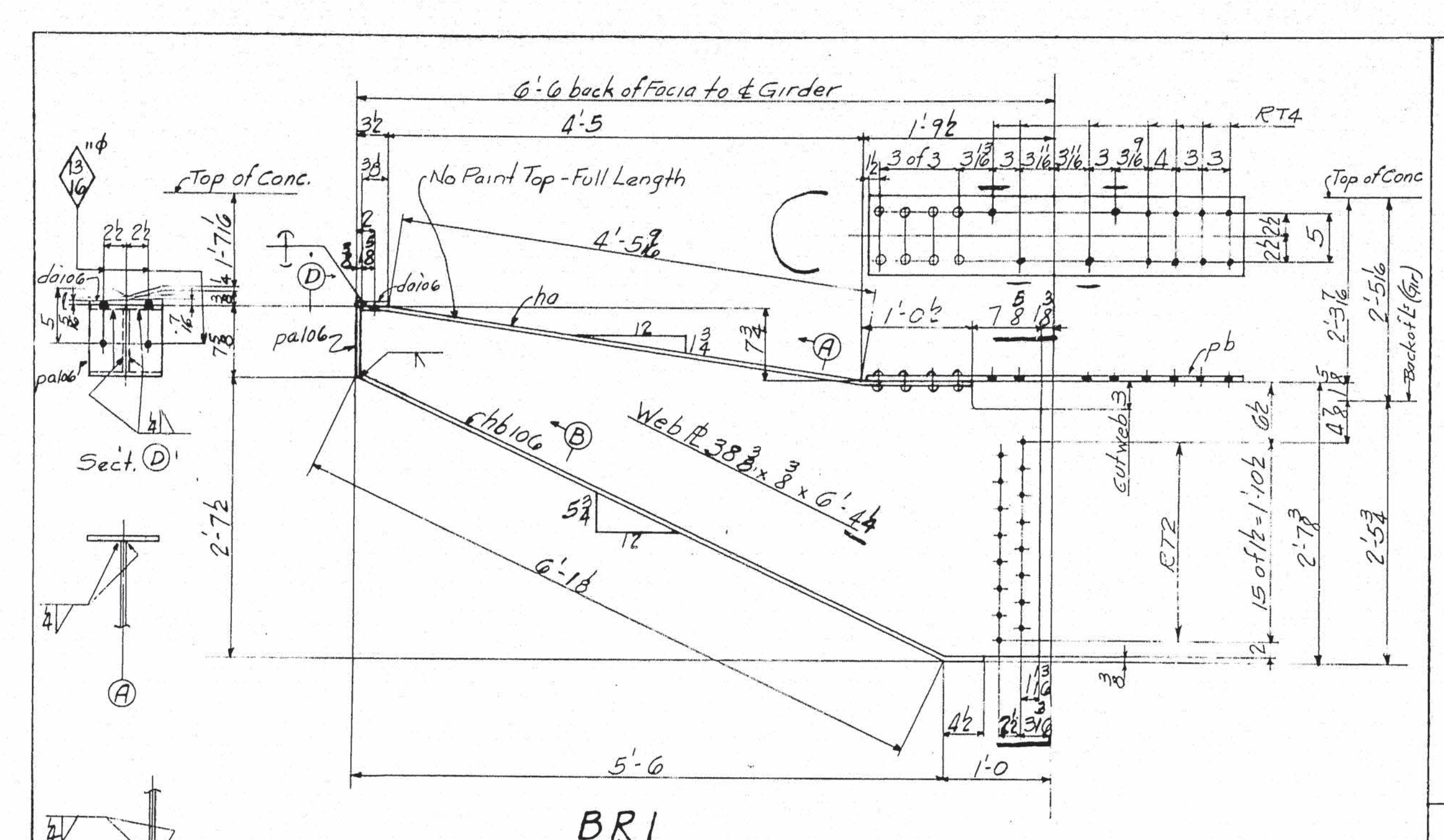
PAINT: YES

M. 103

62-175

NOTES:
SPECIFICATIONS: MAINE STATE HIGHWAY
COMMISSION 1945 AND SPECIAL PROVISIONS
MATERIAL: O.H. STEEL A.S.T.M. A7-52T
HOLES: 1/8"





NOTES:
 SPECIFICATIONS: MAINE STATE HIGHWAY COMMISSION 1945
 AND SPECIAL PROVISIONS
 MATERIAL: O.H. STEEL A.S.T.M. A7-52T.
 HOLES: 1/8" UNLESS NOTED
 RIVETS: 3/8"
 WORKMANSHIP: HOLES MARKED RT TO BE SUBPUNCHED
 OR SUBDRILLED & REAMED TO SIZE TO A
 METAL TEMPLATE
 PAINT: YES, EXCEPT AS NOTED
 SHOP CONTACT SURFACES: NO

LINE	NO. OF PIECES	MATERIAL	LENGTH FEET	THICKNESS INCHES	REMARKS	ORDERED WEIGHT LBS.	CALCULATED WEIGHT FOR ONE PIECE LBS.
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SIDEWALK BRACKETS

STATE OF MAINE
 STATE HIGHWAY COMMISSION
 BANGOR-BREWSTER BRIDGE
 OVER PENOBSCOT RIVER
 BANGOR, MAINE

AMERICAN BRIDGE

DRAWINGS MADE AT TRENTON PLANT
 WORK FABRICATED AT ANDRIDGE PLANT
 IN CHARGE OF E.B. MARKS
 DRAW. MADE BY S.H.P. DATE 7-29-53
 DRAW. CHECKED BY W.C.P. DATE 2-15-54

ORDER No. Q4150 SHEET No. 106

AMERICAN BRIDGE

UNITED STATES STEEL COMPANY

LINE	ITEM	QUANTITY	MATERIAL	ASSEMBLY MARK	REMARKS	ORDERED	CALCULATED WEIGHT FOR ONE DIVISION
			SHAPE			ITEM	
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DIVISIONS

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1 2 3 4 5

6 7 8 9 10

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16 17 18 19 20

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26 27 28 29 30

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61 62 63 64 65

66 67 68 69 70

71 72 73 74 75

76 77 78 79 80

81 82 83 84 85

86 87 88 89 90

91 92 93 94 95

96 97 98 99 100

101 102 103 104 105

106 107 108 109 110

111 112 113 114 115

116 117 118 119 120

121 122 123 124 125

126 127 128 129 130

131 132 133 134 135

136 137 138 139 140

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736 737 738 739 740

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746 747 748 749 750

751 752 753 754 755

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766 767 768 769 770

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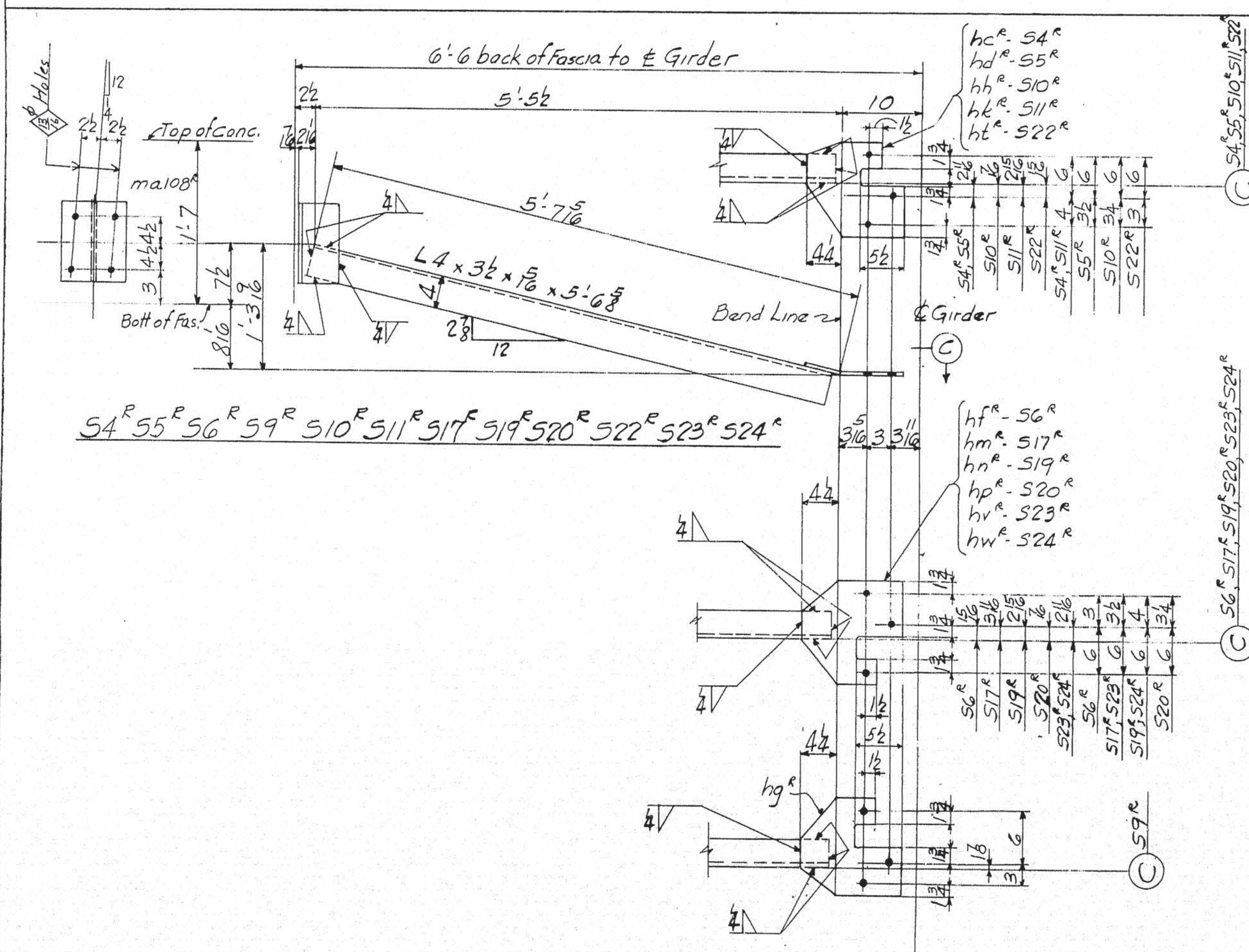
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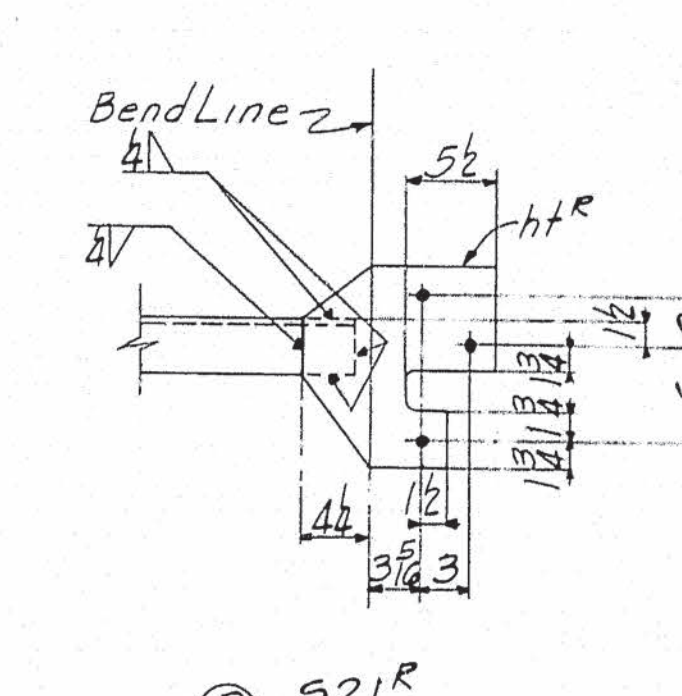
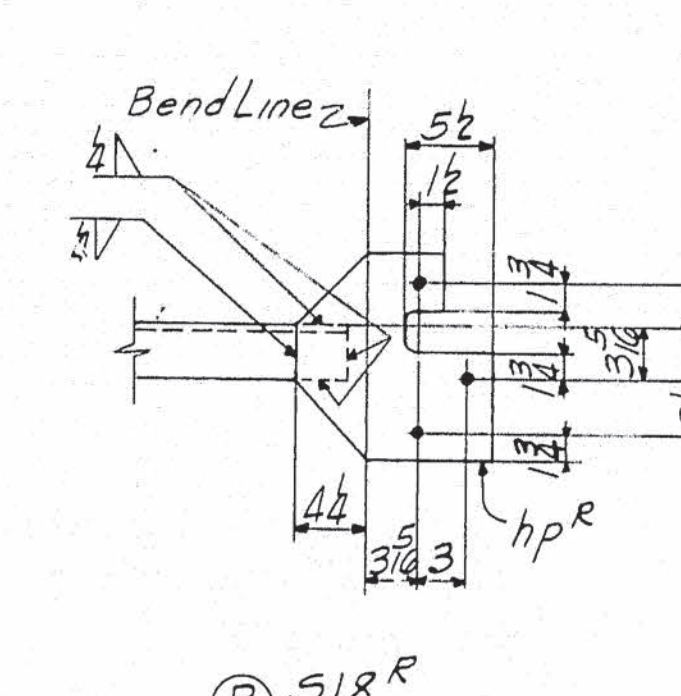
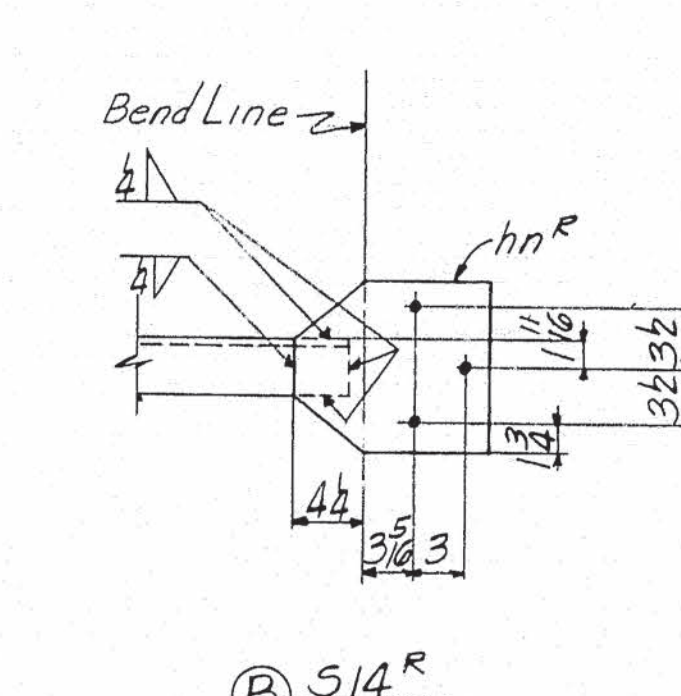
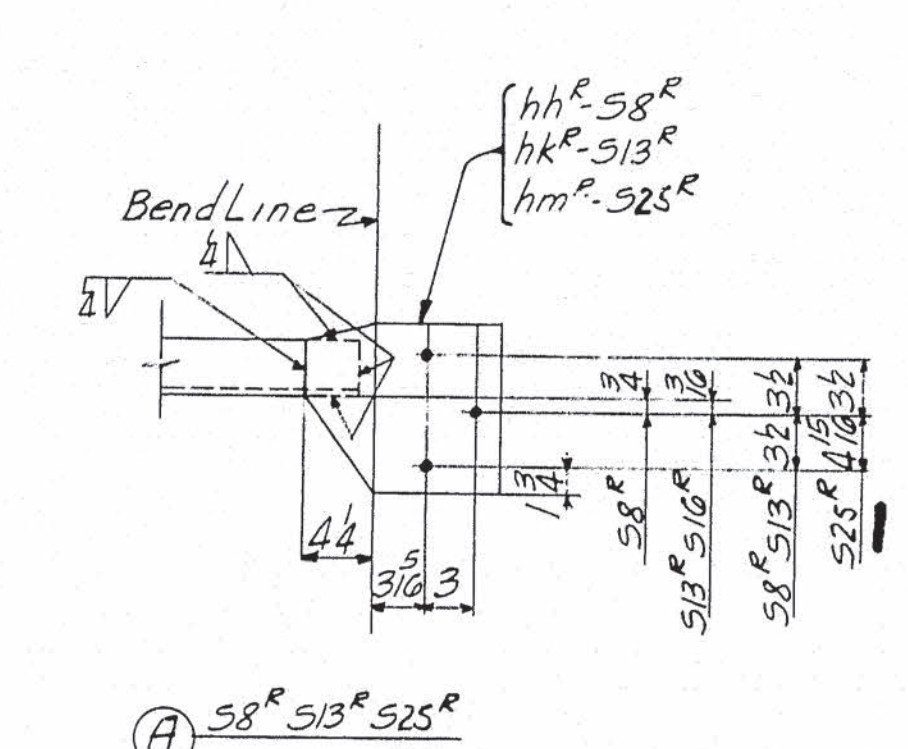
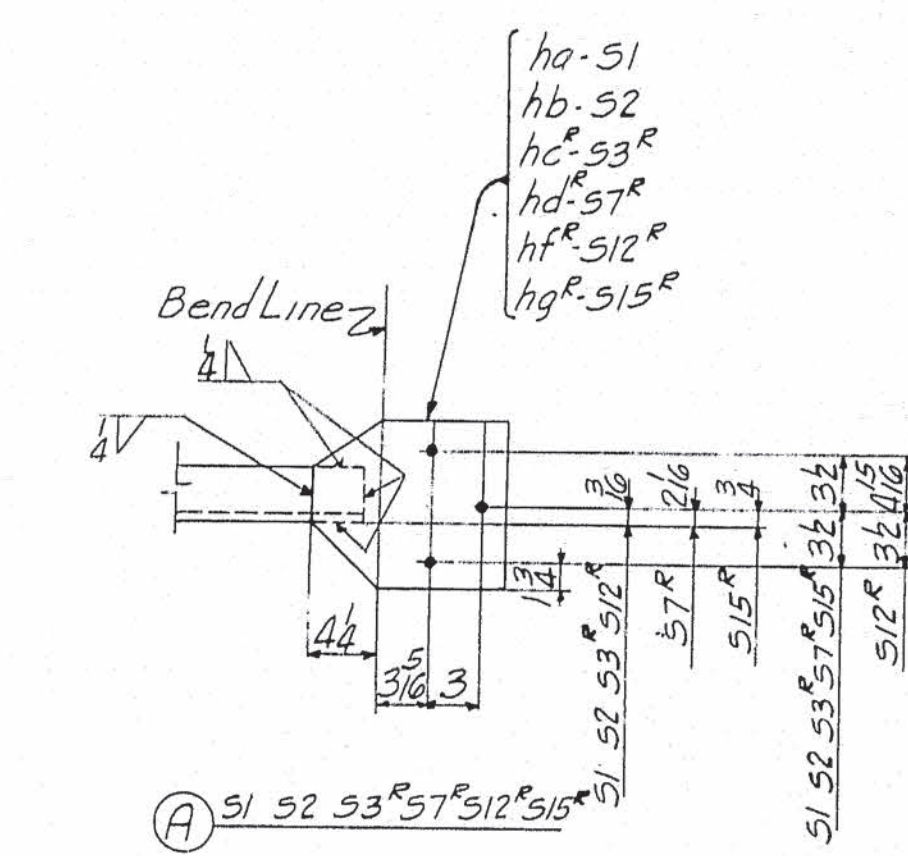
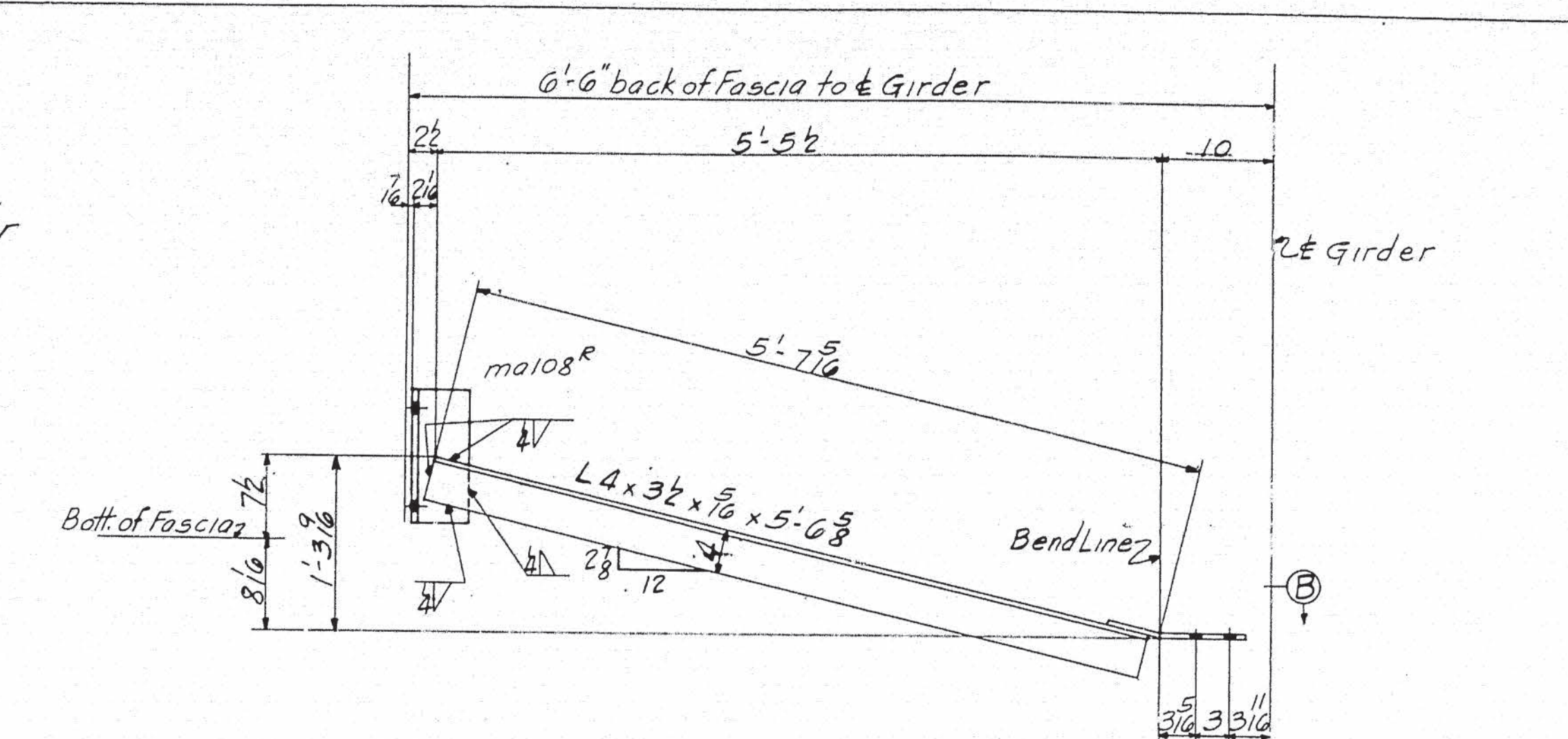
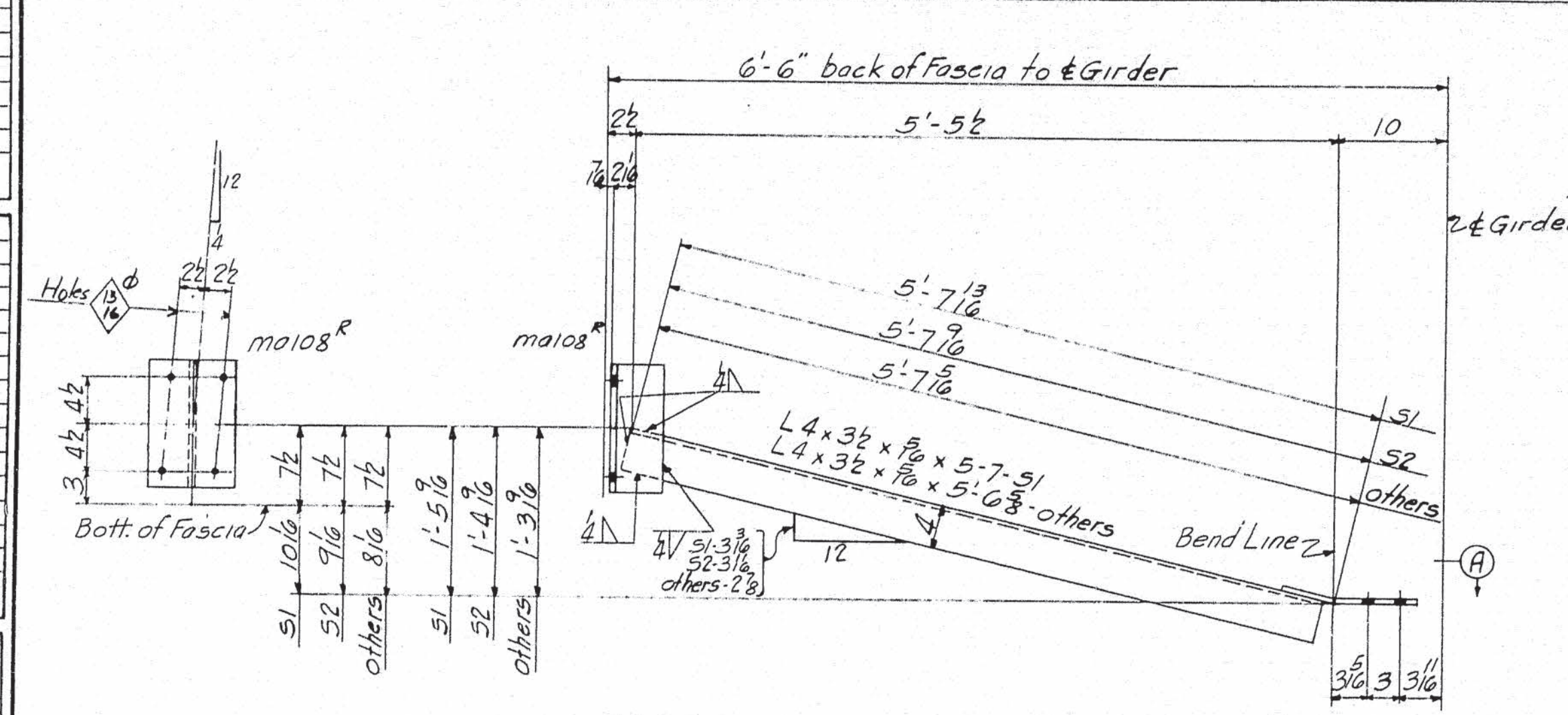
821 822 823 824 825



Paint: Yes, except as noted
Shop Contact Surfaces: No

62-178

LINE	ITEM	QTY	UNIT	PRICE	TOTAL
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AMERICAN BRIDGE COMPANY									
LINE	ITEM	QTY	UNIT	PRICE	TOTAL	REMARKS	ORDERED	ITEM	CALCULATED
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NOTES:
 SPECIFICATIONS: MAINE STATE HIGHWAY COMMISSION 1945
 and Special Provisions
 MATERIAL: O.H. STEEL A.S.T.M. A7-52T
 HOLES: 1/8" Unless Noted
 PAINT: Yes
 SHOP CONTACT SURFACES: NO

STATE OF MAINE
 STATE HIGHWAY COMMISSION
 BANGOR-BREWER BRIDGE
 OVER PENOBSCOT RIVER
 BANGOR, MAINE

AMERICAN BRIDGE COMPANY
 UNITED STATES STEEL CORPORATION SUBSIDIARY

DRAWINGS MADE AT TRENTON PLANT
 WORK FABRICATED AT AMBRIDGE PLANT
 IN CHARGE OF E.B. MARKS
 DRAW. MADE BY J.H.P. DATE 2-15-54
 DRAW. CHECKED BY P.R.Y. DATE 2-15-54

ORDER No. Q4150 SHEET No. 109