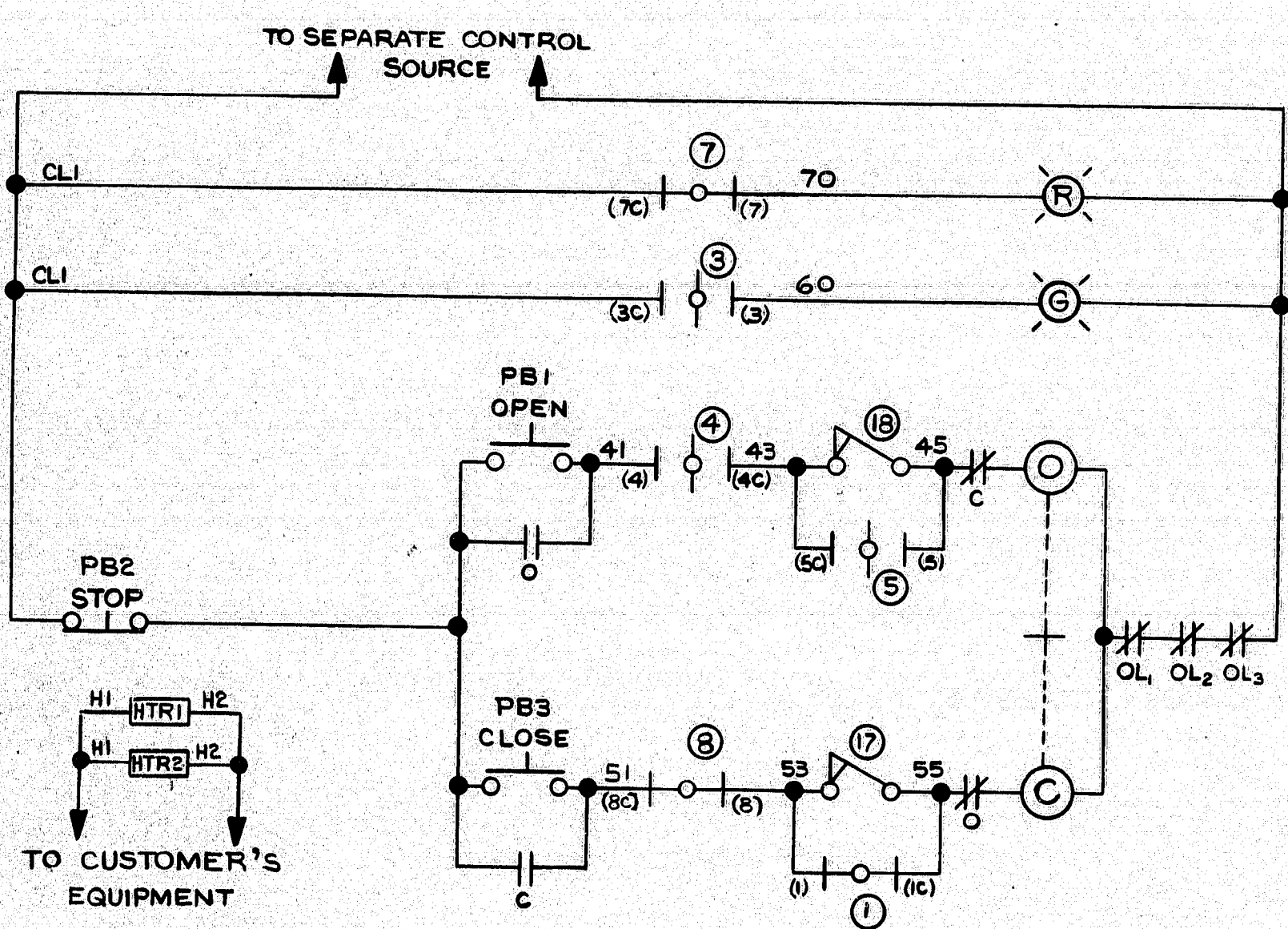
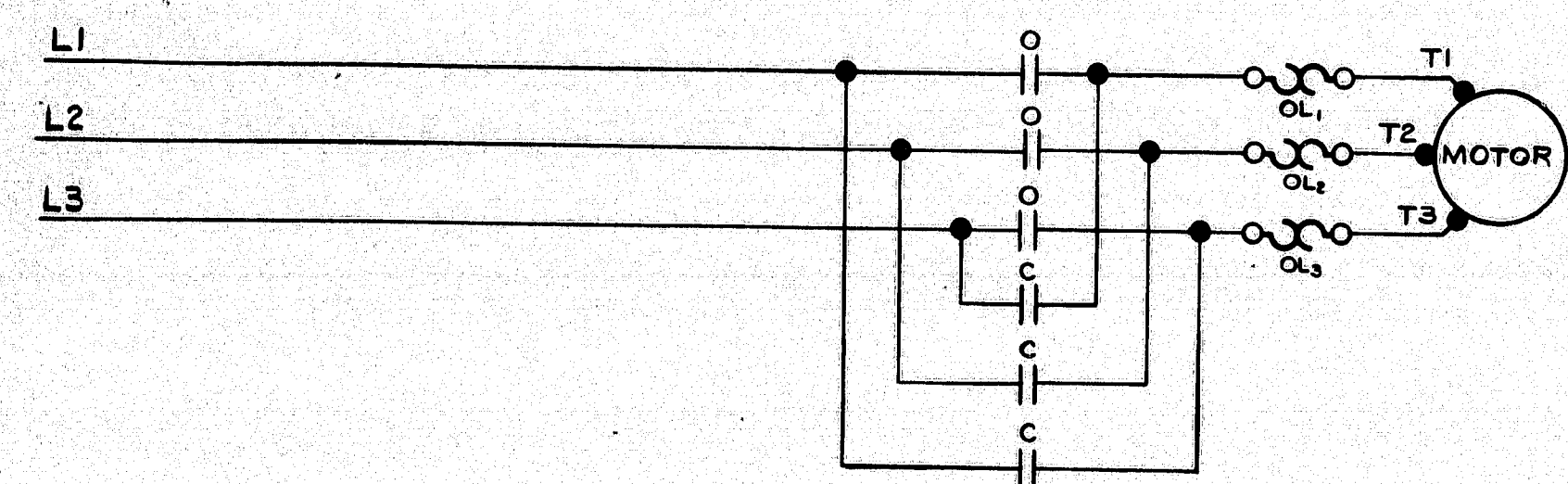


0-141500-0000000-000000



VALVE SHOWN IN FULL OPEN POSITION

LIMIT SWITCH CONTACT DEVELOPMENT

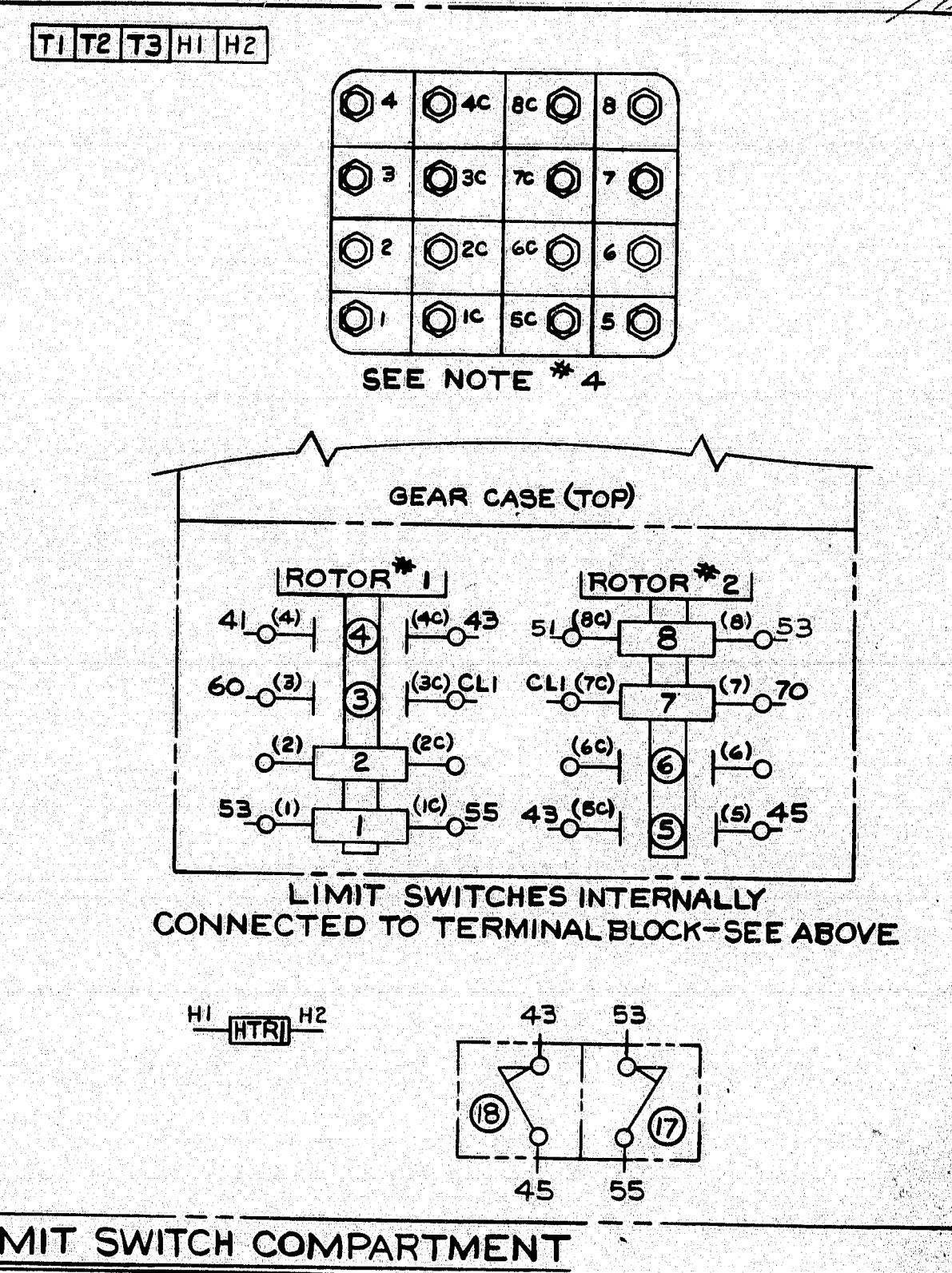
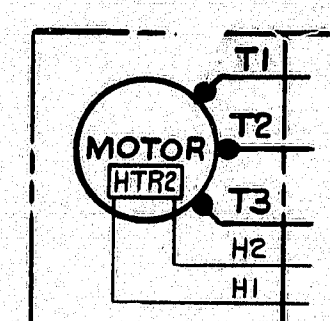
CONTACT	VALVE POSITION		FUNCTION
	FULL OPEN	FULL CLOSED	
1			BY-PASS CIR.
2			SPARE
3			IND. LIGHT
4			OPEN LIMIT
5			BY-PASS CIR.
6			SPARE
7			IND. LIGHT
8			CLOSED LIMIT

- 17 CLOSING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECHANICAL OVERLOAD OCCURS DURING CLOSING CYCLE
- 18 OPENING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECHANICAL OVERLOAD OCCURS DURING OPENING CYCLE

- NOTES:
1. CLOSED CONTACT
2. OPEN CONTACT
3. WIRES CL1, 43, 45, 53 ARE BETWEEN LIMIT SWITCHES & TORQUE SWITCHES BY LIMITORQUE CORP. ALL OTHER WIRING BY OTHERS.
4. TERMINAL BLOCK FOR CUSTOMER'S CONNECTION 600 VOLT, 30 AMP LUG TYPE BLOCK W/ 10 STUD.

- LEGEND:
- O-OPEN CONTACT
- C-CLOSE CONTACT
- ⊖-OPENING COIL
- ⊕-CLOSING COIL
- OL-OVERLOAD RELAYS (1,2,3)
- + - MECHANICAL INTERLOCK
- ⊕ - RED INDICATING LIGHT
- ⊖ - GREEN INDICATING LIGHT
- PB1-OPEN PUSHBUTTON
- PB2-STOP PUSHBUTTON
- PB3-CLOSE PUSHBUTTON
- HTR1-SPACE HEATER (L.S.COMPT) PROVIDED FOR ALL EXPLOSION PROOF UNITS OR WHEN SPECIFIED BY CUSTOMER.
- HTR2-MOTOR HEATER

FOR SUGGESTED OPERATION ONLY, NOT SUPPLIED BY LIMITORQUE CORP.



NEILL AND GUNTER INCORPORATED

REVIEWED

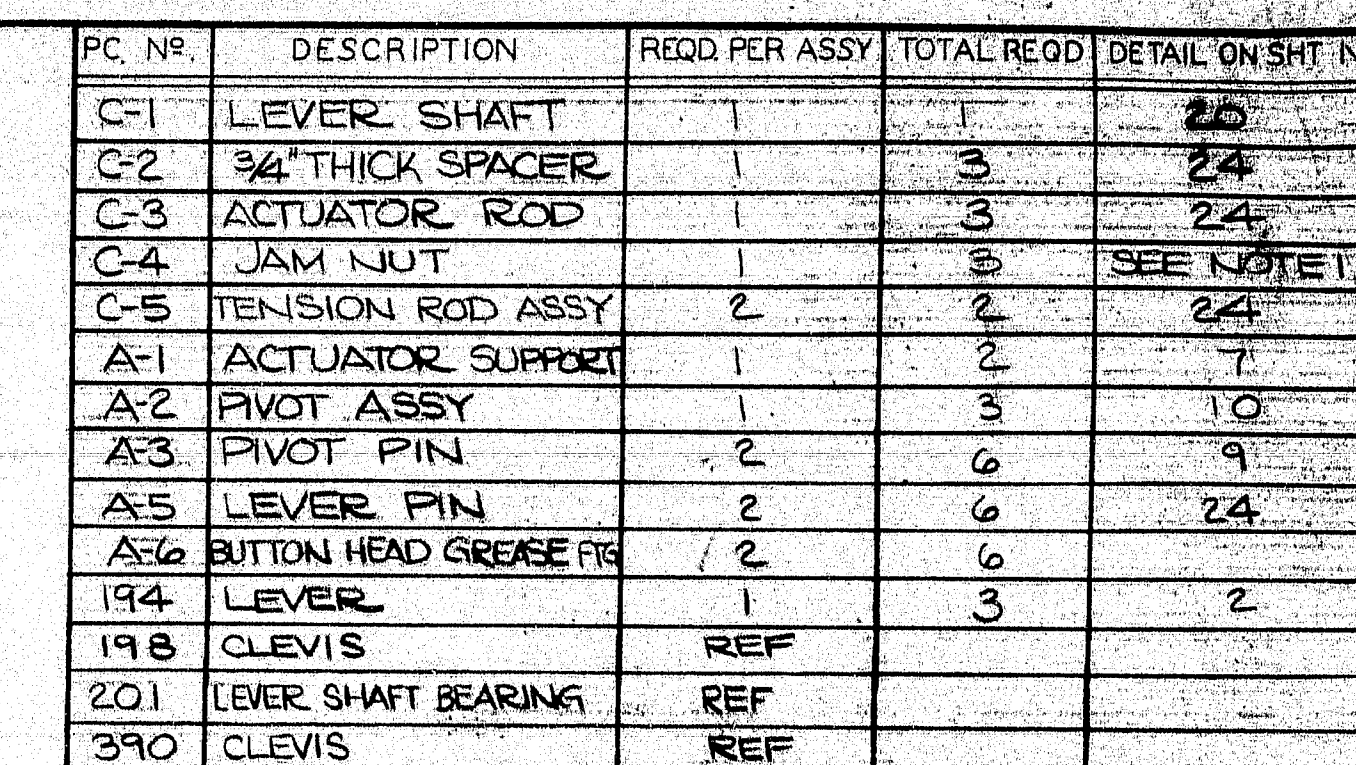
REWORKED & APPROVED

REWORKED

DATE 2-4-87

99 185

DRAWN J.G.D.		LIMITORQUE CORPORATION	
CHECKED D.F. 3-26-70	TITLE	LIMITORQUE WIRING DIAGRAM	
APPROVED D.F. 3-26-70	1ST ORDER NO. STANDARD	DWG. NO.	15-476-1428
REDAWN J.G.D.	DATE 3-25-70		



ANTON G. SHAFER, P.E. Consulting Engineer The enclosed has been prepared for the State and Federal Highway and is subject to State Highway Department approval and the State Department of Transportation may be necessary to complete design to meet all requirements for State Department and must be in conformity with the State. Information for completion of this project.				✓	
Information on completion of this project must be routing of this project must be Submitted to the State Department of Transportation Department.					
Project No.	1114.B	Date	3-11-58	Reviewed by	J.V.
				Approved by	

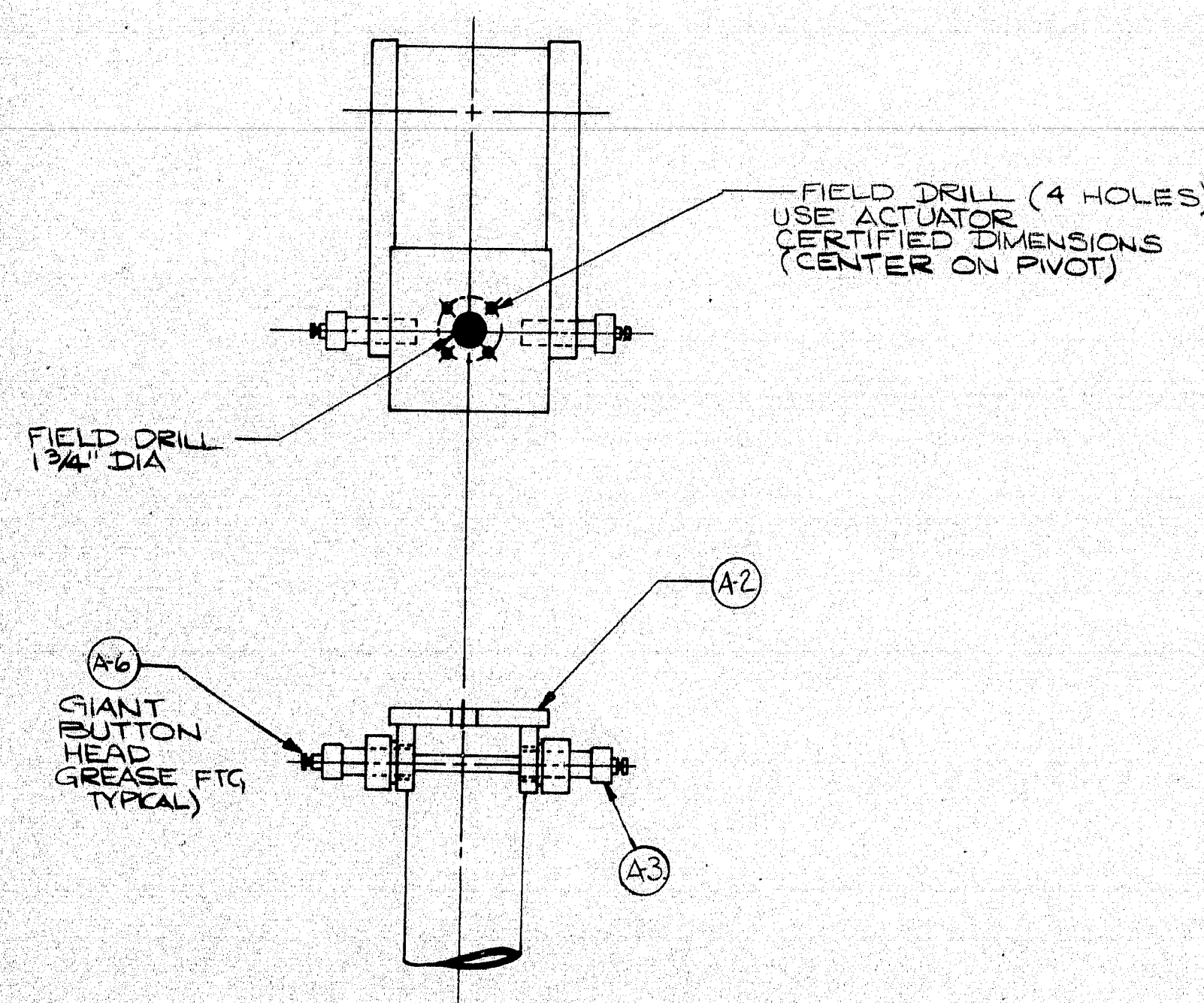
NOTE
1-JAM NUT TO HAVE $1\frac{3}{8}$ " THREAD
(PITCH TO MATCH EXISTING CLEVIS) (98)
MATERIAL: ASTM A108 GRADE 1045

99-182

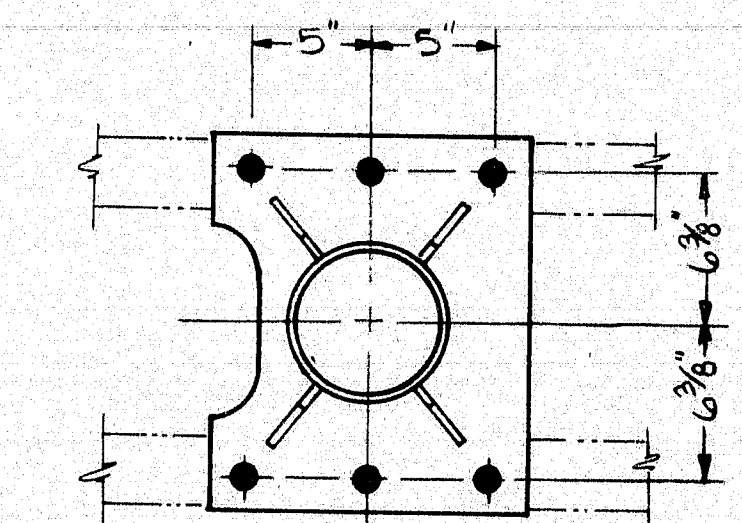
FOURNIER STEEL FABRICATION INC.
OLD ROUTE 1 WEST BATH MAINE
(207) 443-6404

1	RESUBMITTED	DATE: 2-27-77
NR	REVISION	BY: DAT
SOUTHPORT BRIDGE		DRAWING TITLE CHECKED DATE: 2-27-77 PROJ. NO. 64000 SHEET NO. 1
ACTUATOR ASSEMBLY CENTER WEDGE		

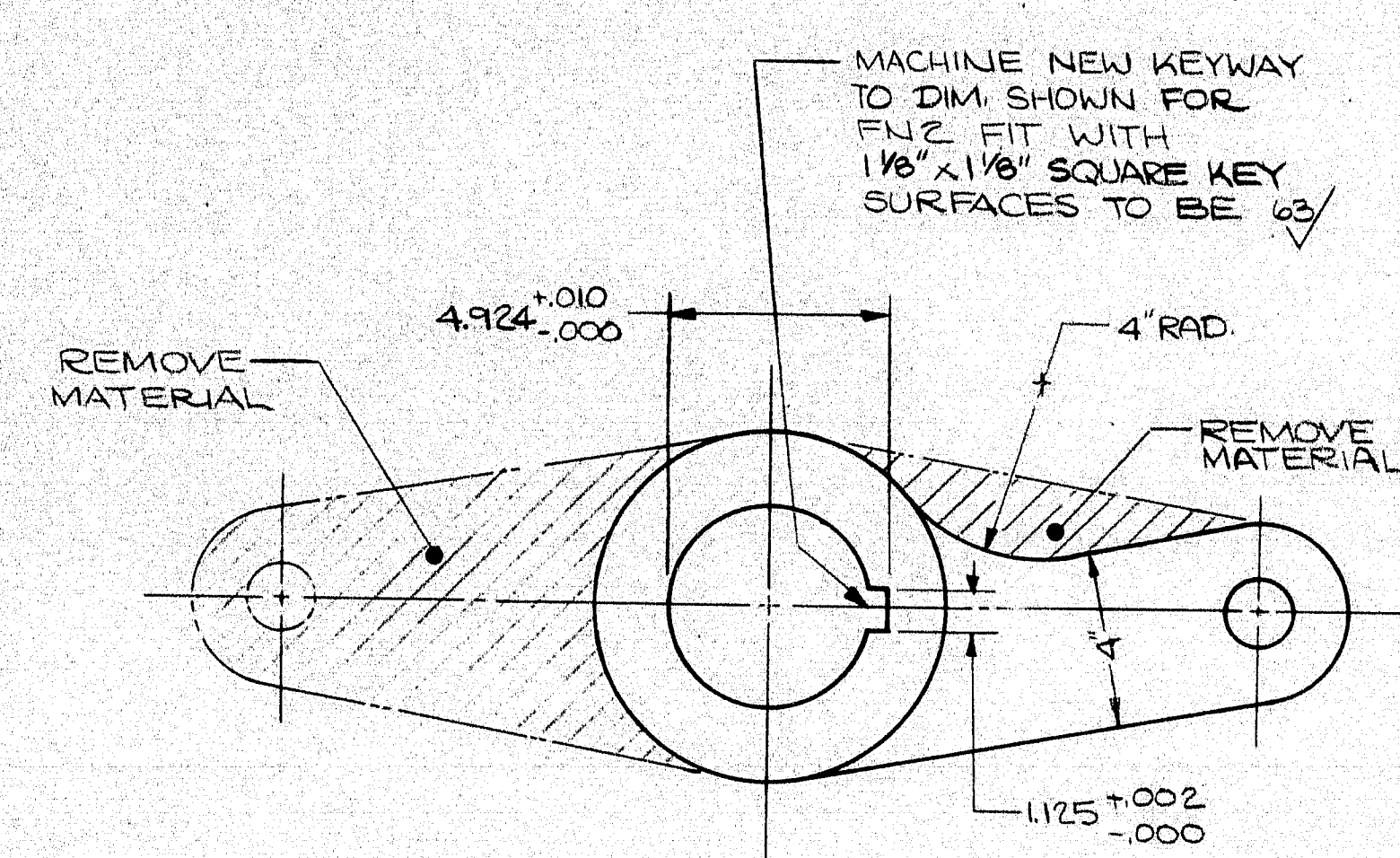
PC. NO.	DESCRIPTION	REQD PER ASSY	TOTAL REQD	DETAIL ON SHT NO.
A-1	ACTUATOR SUPPORT	1	SEE PL. SH. 1	
A-2	PIVOT ASSY	1	SEE PL. SH. 1	
A-3	PIVOT PIN	2	SEE PL. SH. 1	
A-4	LEVER SHAFT	1	1	22
A-5	LEVER PIN	2	SEE PL. SH. 1	
A-6	BTN HD GREASE FITG	2	6	
A-7	LEVER	1	SEE PL. SH. 1	
C-3	ACTUATOR ROD	1	SEE PL. SH. 1	
C-4	JAM NUT	1	SEE PL. SH. 1	SEE NOTE 1, SH. 1



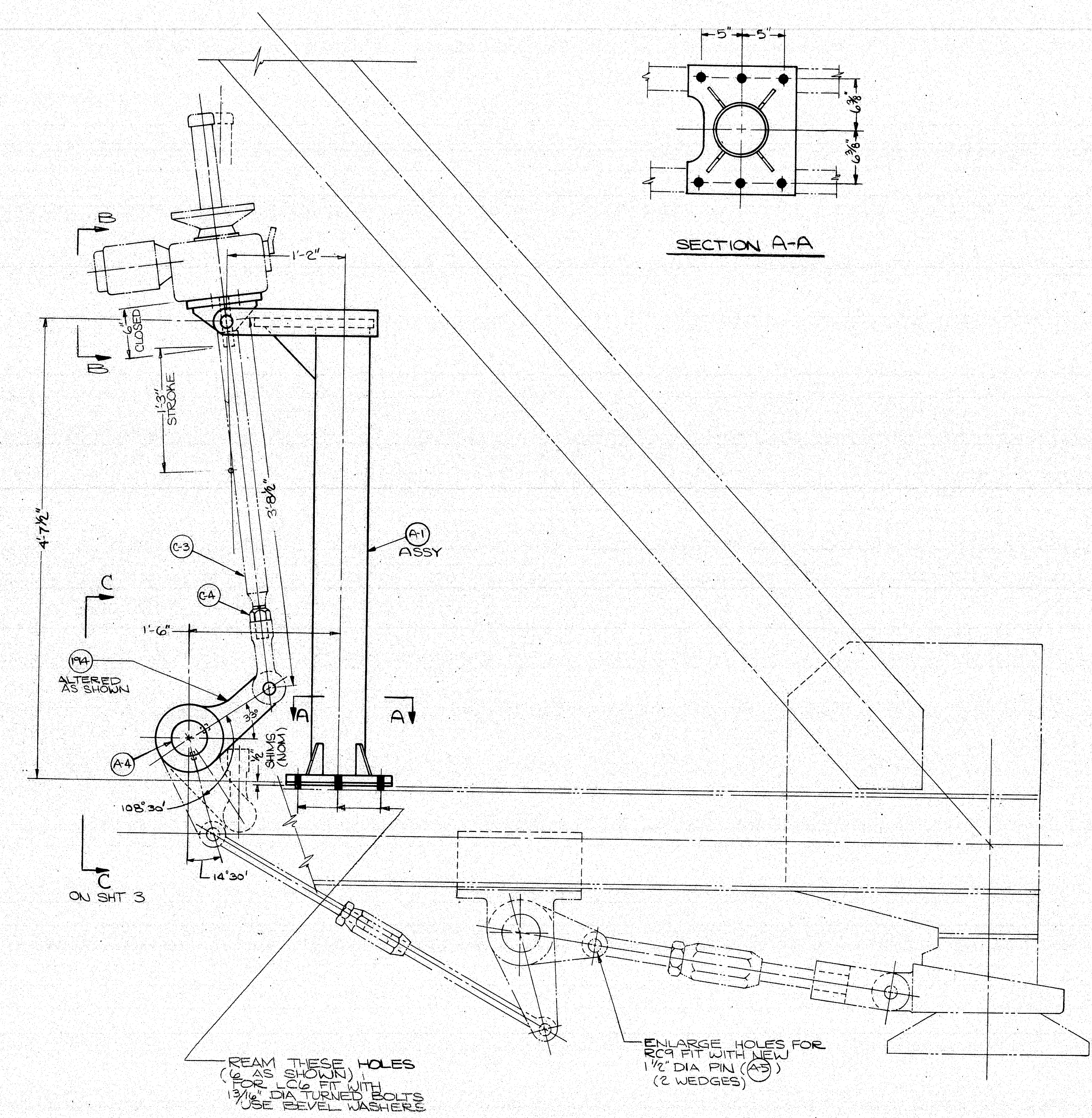
SECTION B-B



SECTION A-A



ALTERATION OF PC. NO. (94)
(3 PIECES TO BE ALTERED)
SCALE 1/4\"/>



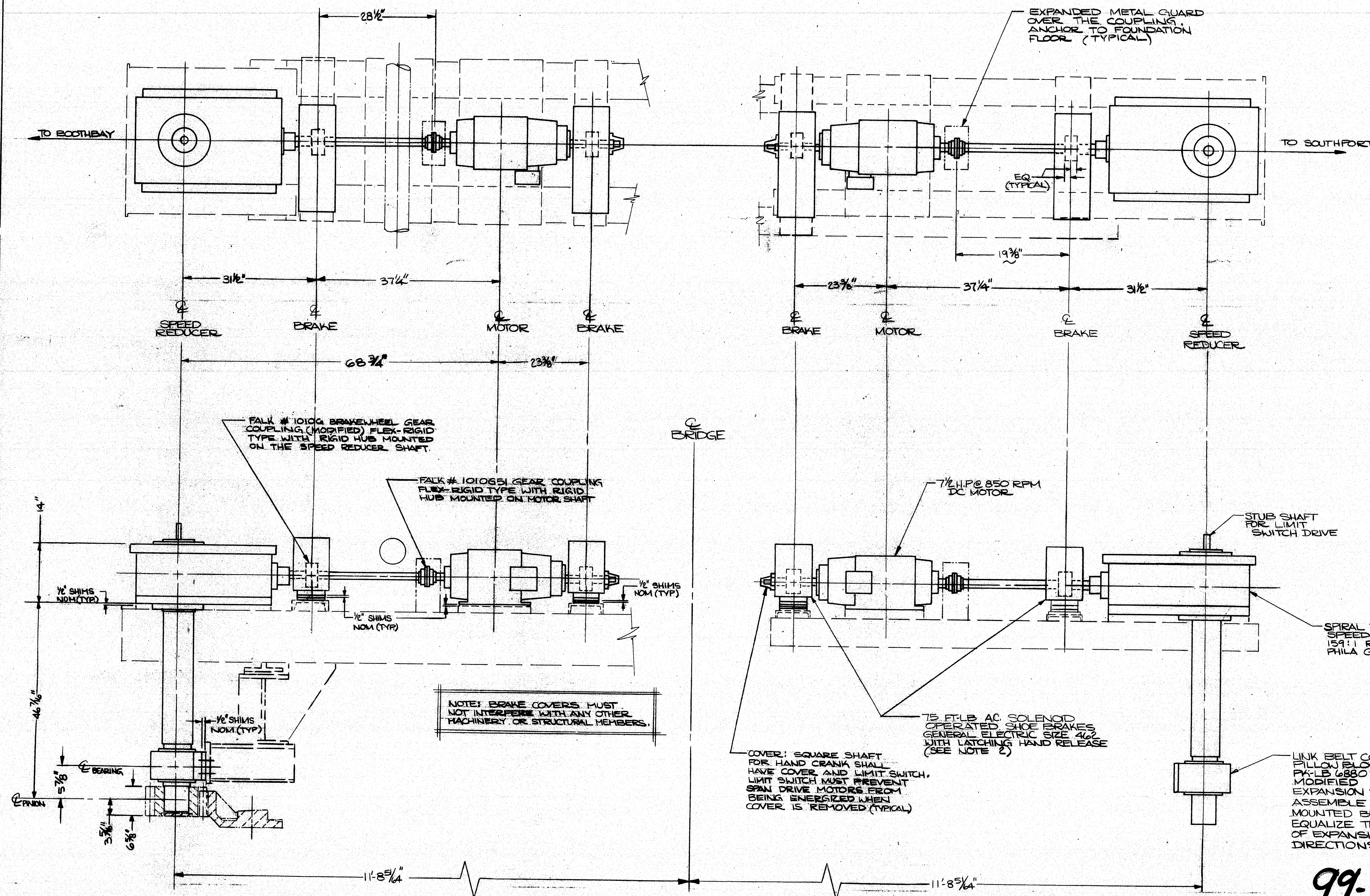
SCALE: 1/8\"/>

11/48	3-11-86	J.V.	
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99-187

FOURNIER STEEL FABRICATION INC.
OLD ROUTE 1 WEST BATH, MAINE
(207) 443-6404

2	RESUBMITTED	WPH 6-22-87
1	RESUBMITTED	WPH 3-5-87
NO	REVISION	BY DATE
	SOUTHPORT BRIDGE	DRAWN: WPH
	ACTUATOR ASSEMBLY SOUTHPORT END	CHECKED: J.V.
		DATE: 2-87
		PROJECT: B-1000S(49)
		SHEET NO. 2



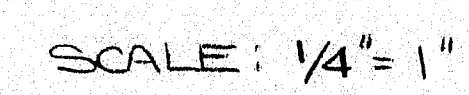
MILTON G. STAFFORD, P.E., Consulting Engineer
 This submittal has been reviewed for design and general arrangement only and is subject to Contract Documents. Engineer's review does not release Contractor/Manufacturer from responsibility to coordinate all trades, to verify all dimensions and field conditions, and from all aspects of safety and the work.
 Substitution or construction may proceed.
 Substitution or construction may proceed as noted. Review and approval by 170 rd.
 Submittal does not comply with Contract Documents. Review and remarks.
 Project No. 1114 B Date 3-11-88 By J.Y. ACTION

NOTE
 1. DIMENSIONS, SIZES & DETAILS OF SHAFTS, SHAFT COUPLINGS & BRAKE COUPLINGS TO BE DETERMINED FROM APPROVED DRAWINGS & DESIGN DATA PROVIDED BY PHILADELPHIA GEAR CORP.
 2. BRAKES ARE TO HAVE 3 LIMIT SWITCHES ONE TO SIGNAL WHEN BRAKE IS SET, ONE TO SIGNAL WHEN BRAKE IS RELEASED AND ONE TO SIGNAL WHEN HAND RELEASE IS LATCHED.

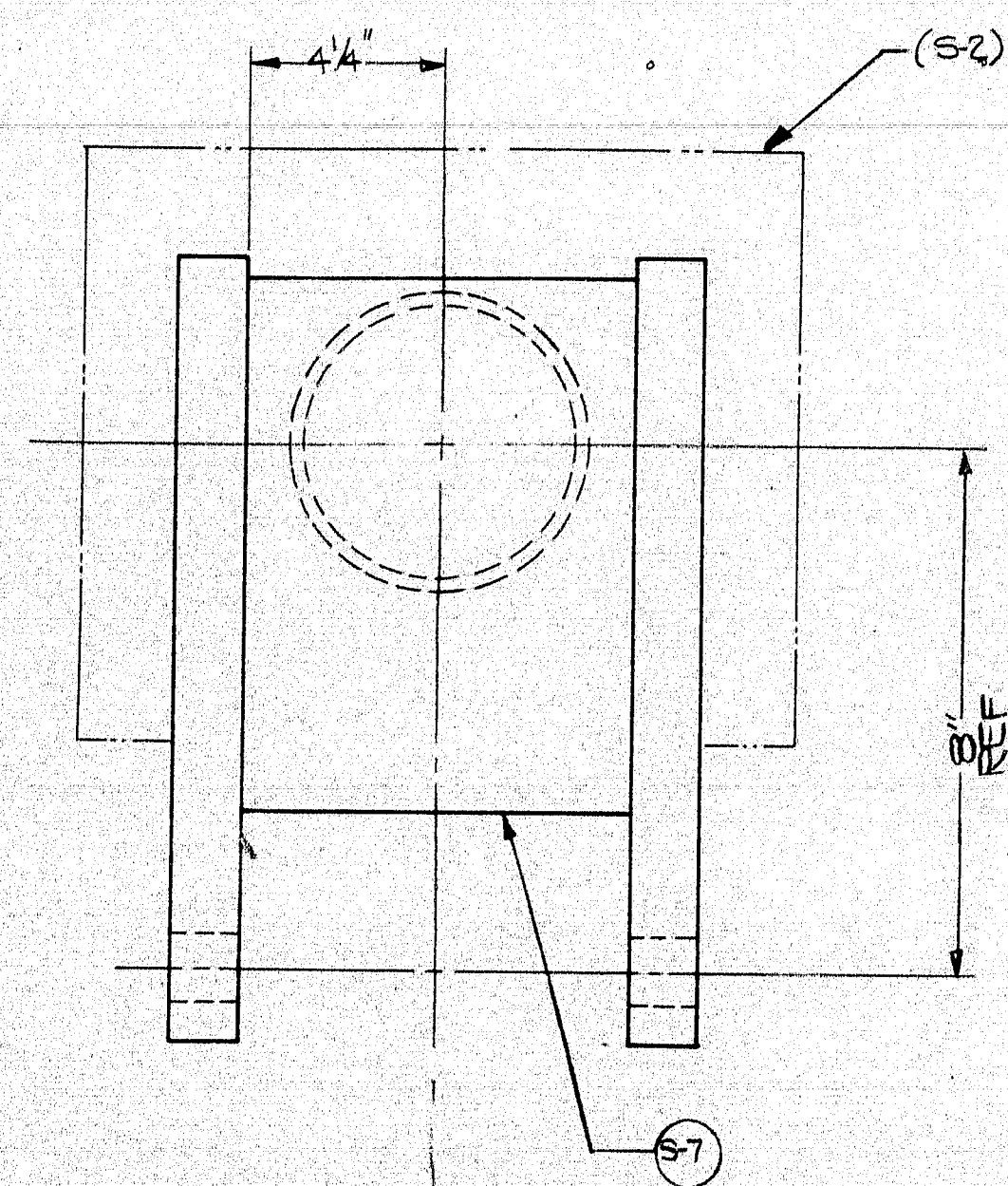
99-189

FOURNIER STEEL FABRICATION INC
 OLD ROUTE 1 WEST BATH, MAINE (207) 443-6404

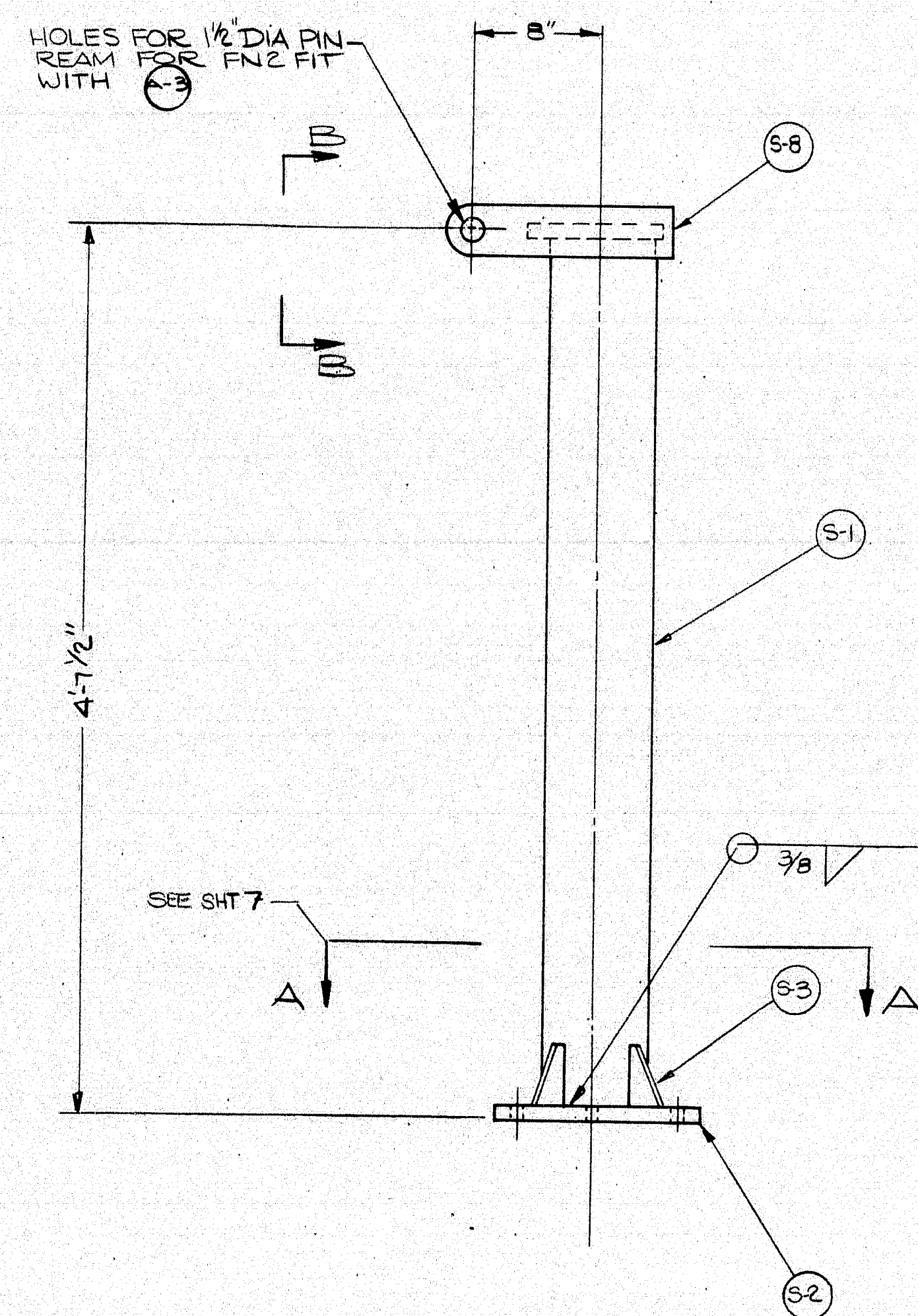
RESUBMITTED		WH 6-29-91
NO	REVISION	BY DATE
1	REVISION	BY DATE
SOUTHPORT BRIDGE		DESIGNED WITH CHECKED
DRIVE MACHINERY LOCATION PLAN		DATE 12-16-87 DRAWN BY JHOODS/AR SHEET NO 4



NO.	REVISION	BY	DATE
SOUTHPORT BRIDGE		DELMUNE WORTH	
		DRAWN:	
CENTER WEDGE SHAFT ASSEMBLY		SHEET NO. 01800056	
		5	



SECTION B-B
SCALE: 1/4" = 1"



PC No. (B1) - ACTUATOR ASSEMBLY
SCALE: 1/8" = 1"

PC. NO.	DESCRIPTION	REQD PER ASSY	TOTAL REQD	DETAIL ON SHT NO.
S-1	SUPPORT PIPE	1	SEE PC SHT 7	8
S-2	BASE PLATE	1	SEE PC SHT 7	8
S-3	BASE R GUSSET RS	4	SEE PC SHT 7	8
S-7	TOP PLATE	1	1	9
S-8	PIVOT SUPPORT ARM	2	2	8
A-3	PIVOT PIN	REF		

FOR THE USE OF THE CONSULTING ENGINEER

Check for compliance with design and material requirements and in places to determine location. ACTION noted below date and release of drawings. For more responsibility to evaluate all before, to verify all dimensions and field conditions, and find all aspects of all shop and site safety.

Fabrication or construction may proceed.

For construction or erection notes may be added as noted. Review and I shall not be liable.

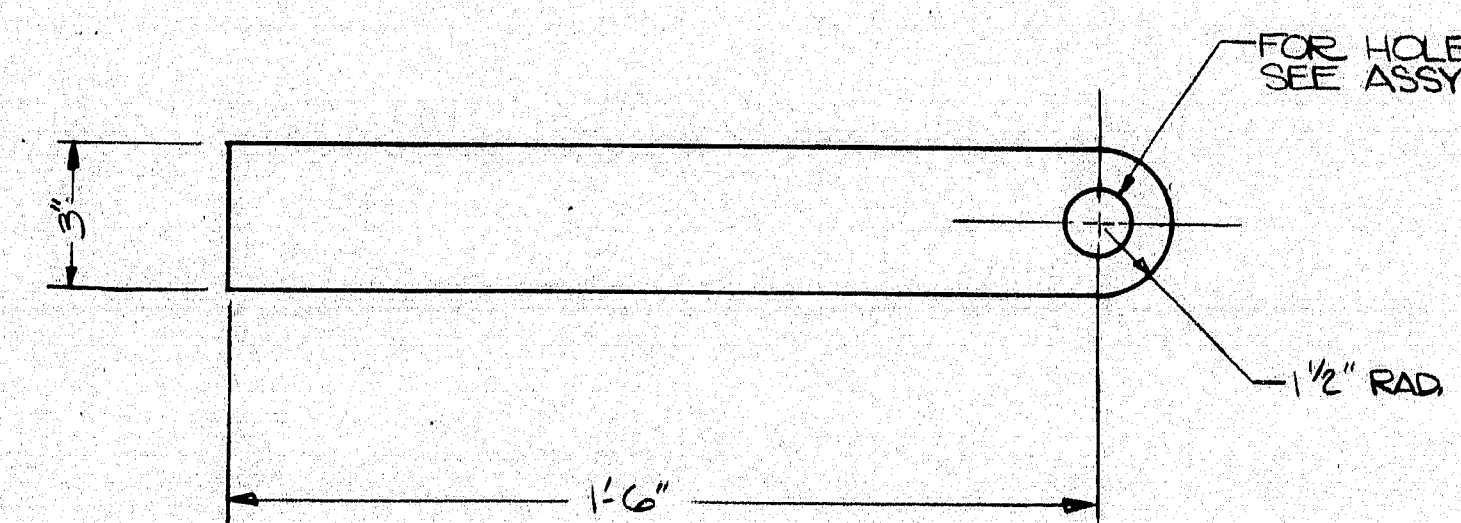
Drawings shall comply with Contract Documents, Revision and schedule.

Project No.	Date	Reviewed by	ACTION
11147B	3-11-88	J.V.	

99-191

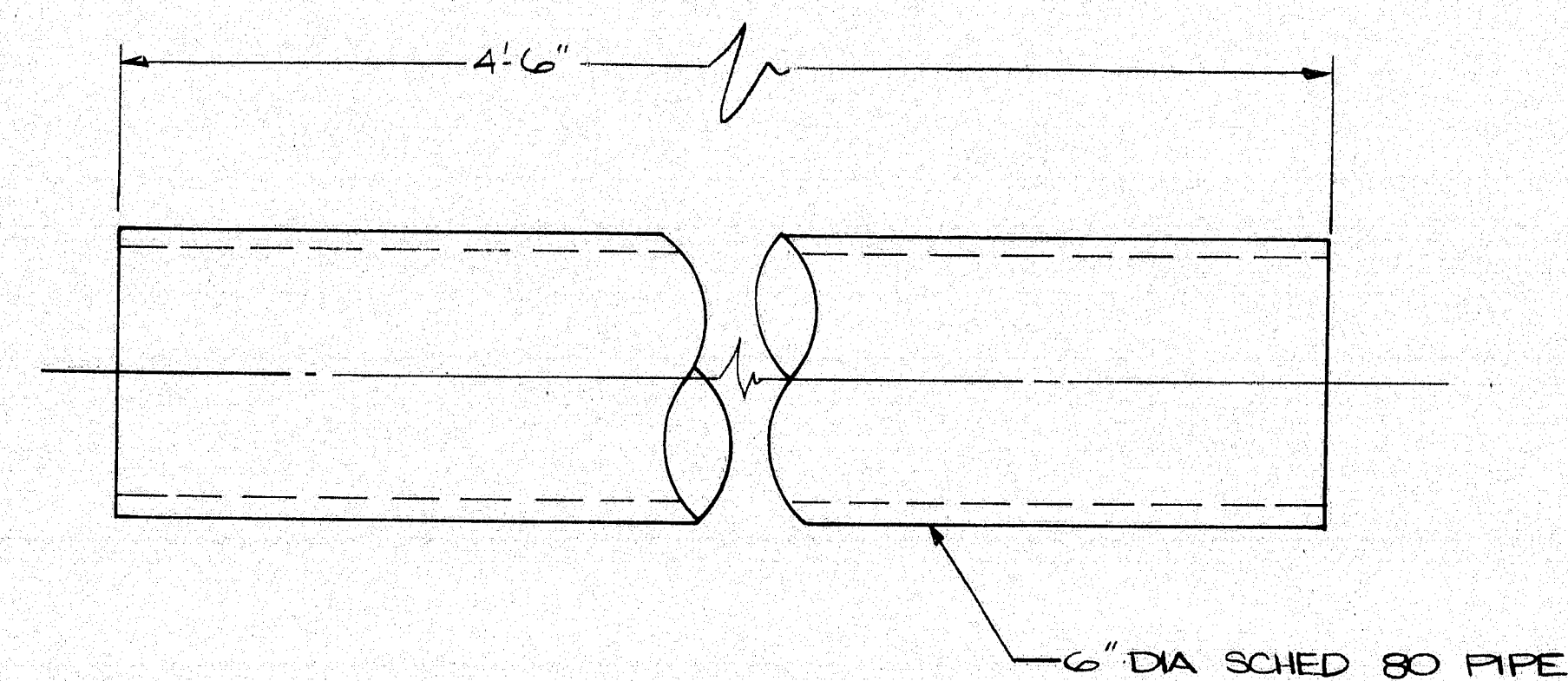
1	RESUBMITTED	WPH 3-5-87
NO	REVISION	BY DATE
SOUTHPORT BRIDGE		
ACTUATOR SUPPORT ASSEMBLY (BOOTHBAY END)		
SHEET NO. 6		

FOURNIER STEEL FABRICATION INC.
OLD ROUTE 1 WEST BATH, MAINE (207) 443-6404



MATERIAL: 1/2" THICK R ASTM-A36

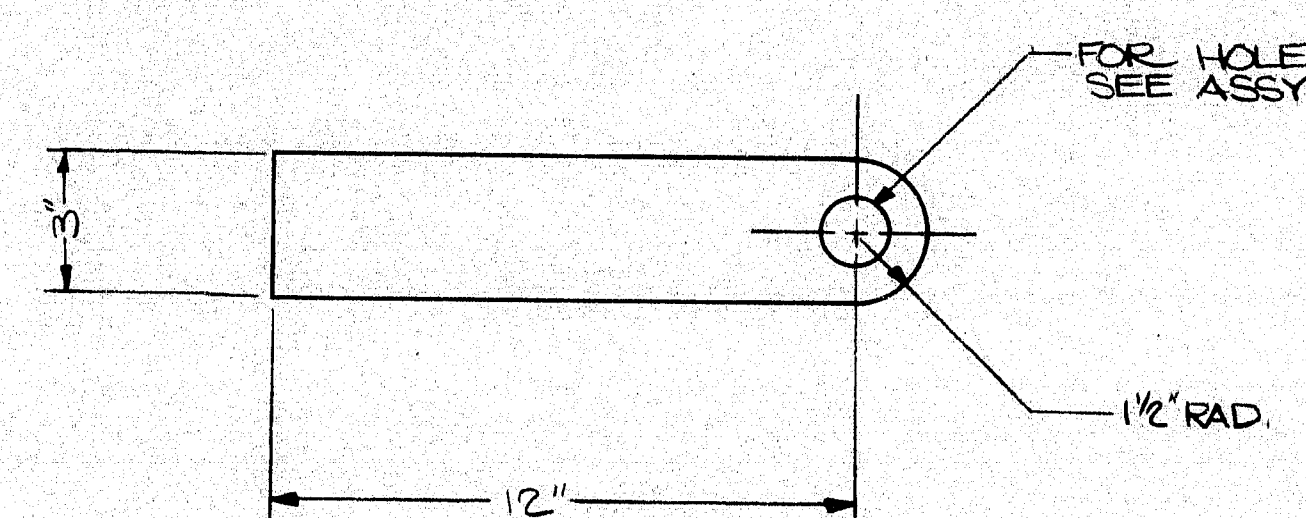
PC NO. S-6 PIVOT SUPPORT ARM
(4 REQD)
SCALE: 1/4" = 1"



PC NO. S-1 ACTUATOR SUPPORT PIPE

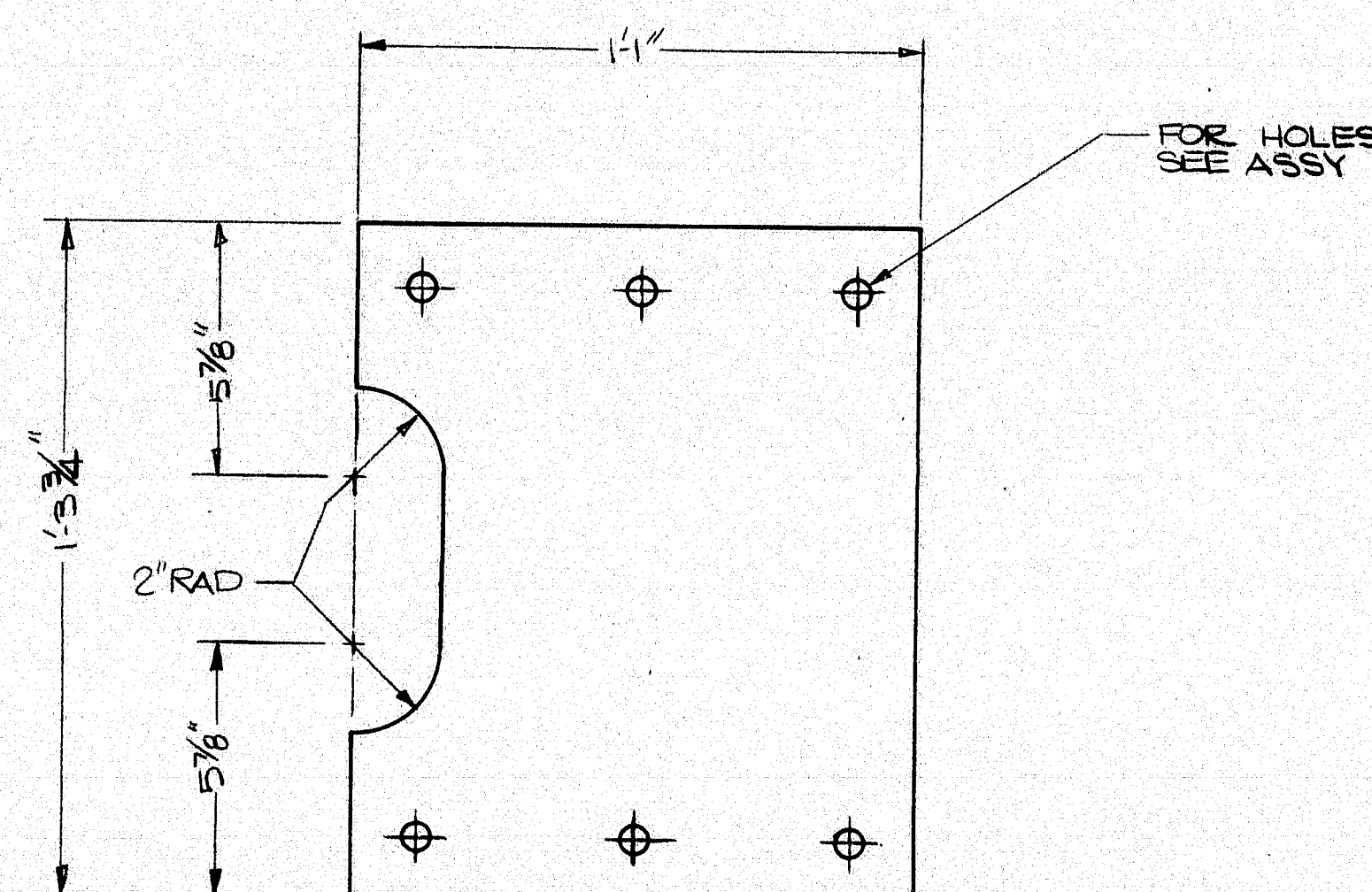
(3 REQD)
SCALE: 1/4" = 1"

MILTON C. STAFFORD, P.E. Consulting Engineer			
This submitted has been reviewed for design and quality requirements only and is subject to Contract Documents. ACCEPTANCE below does not release Contractor from responsibility to maintain all details, to verify all dimensions and field conditions, and to all aspects of shop and site safety.			
Fabrication or construction may proceed.			
Fabrication or construction may proceed as noted. Review is a general review only.			
Fabrication or construction may proceed as noted. Review is a general review only.			
Fabrication or construction may proceed as noted. Review is a general review only.			
Project No.	Date	Reviewed by	Signature
1114B	3-11-88	JV	



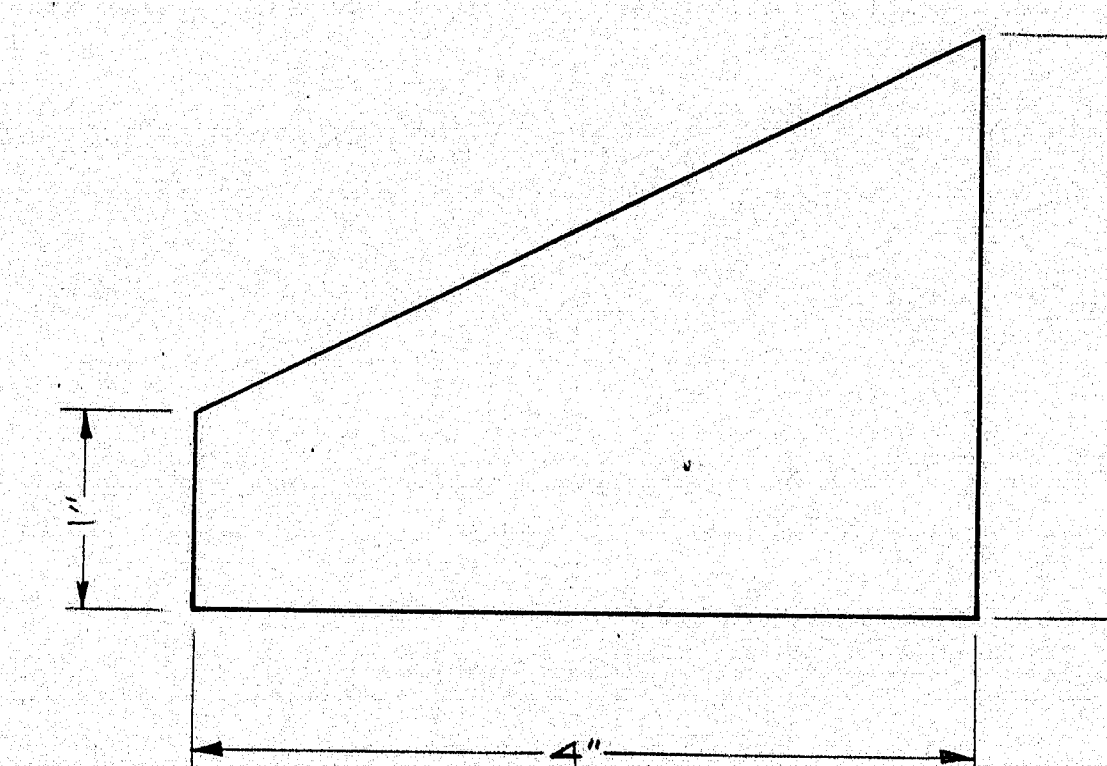
MATERIAL: 1/2" THICK R ASTM-A36

PC NO. S-8 PIVOT SUPPORT ARM
(2 REQD)
SCALE: 1/4" = 1"



MATERIAL: 1" THICK R ASTM-A36

PC NO. S-2 SUPPORT BASE PLATE
(3 REQD)
SCALE: 1/4" = 1"



MATERIAL: 3/8" THICK R ASTM-A36

PC NO. S-3 BASE PLATE GUSSET R
(12 REQD)
SCALE: FULL SIZE

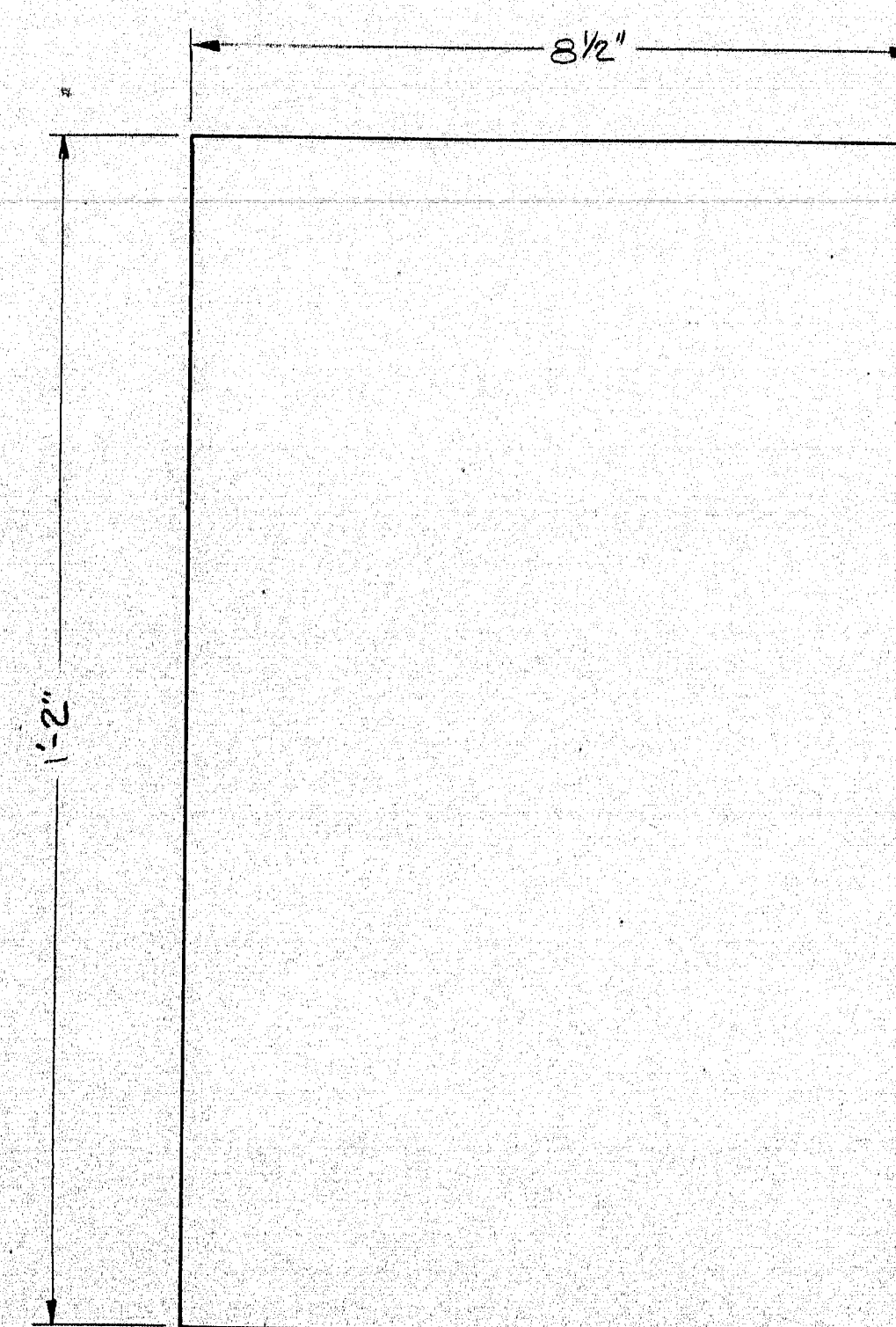
99-193

FOURNIER STEEL FABRICATION INC.

OLD ROUTE 1

WEST BATH, MAINE
(207) 443-6404

SOUTHPORT BRIDGE		DATE
ACTUATOR SUPPORT DETAILS		DATE
SHEET NO.		8

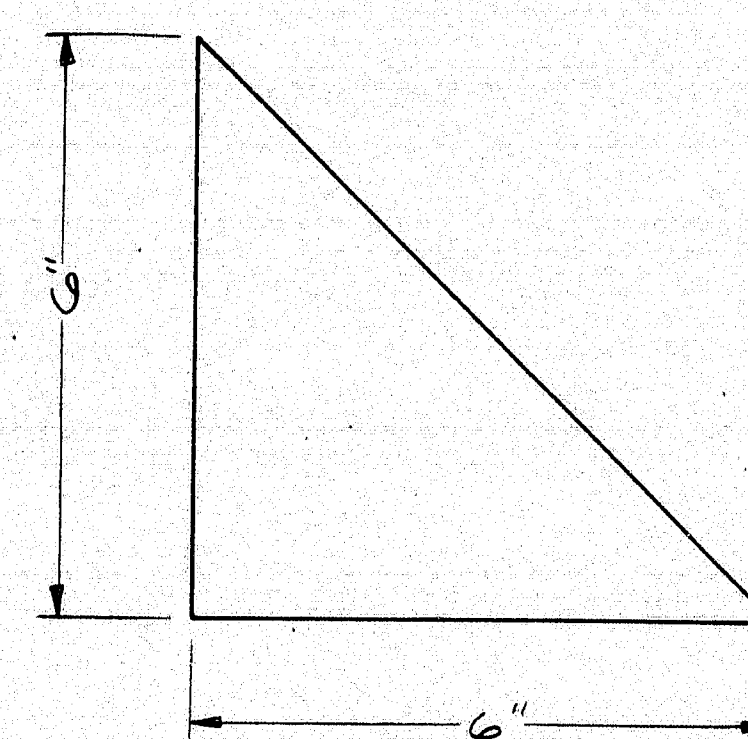


PC No S-4 TOP PLATE

2 REQD

SCALE: 1/2"=1"

MATERIAL: 1" THICK PLATE ASTM-A36

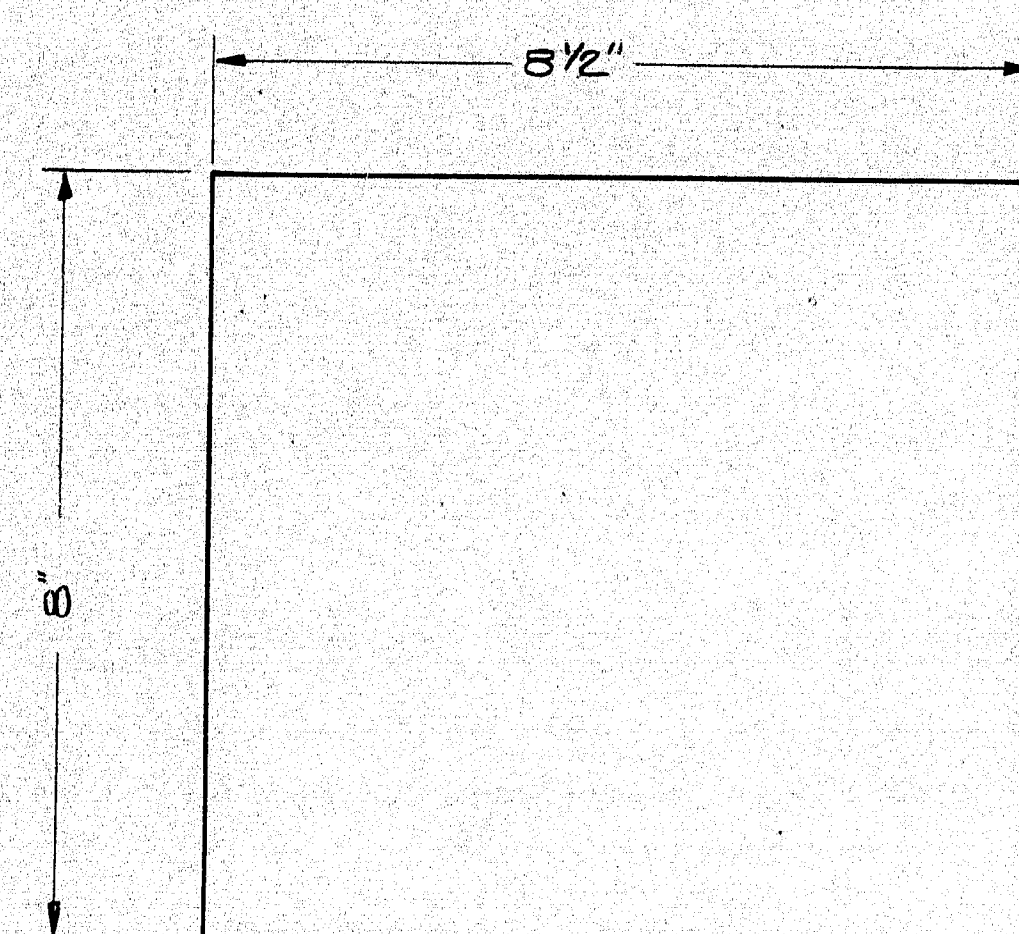


PC No S-5 TOP GUSSET PL

2 REQD

SCALE: 1/2"=1"

MATERIAL: 1/2" THICK PLATE ASTM-A36

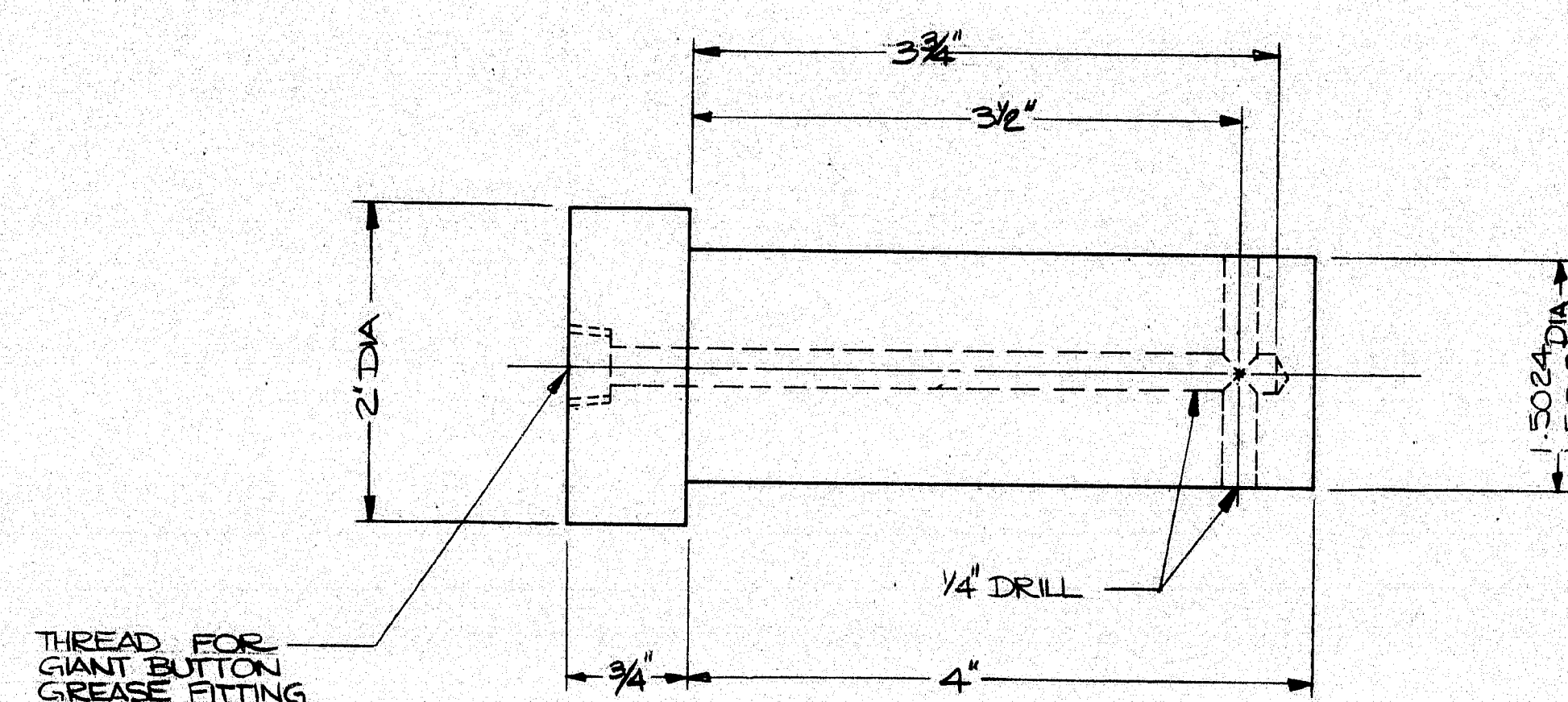


PC No S-7 TOP PLATE

1 REQD

SCALE: 1/2"=1"

MATERIAL: 1" THICK PLATE ASTM-A36



PC No A-3 PIVOT PIN

6 REQD

SCALE: FULL

MATERIAL: ASTM A576 GRADE 1045

ALL CIVIL ENGINEERING CONSULTING ENGINEERS
This document has been prepared by design and structural engineering
and is intended for use by the client. ACTING ENGINEER: J. J. J. J.
and is not to be used for any other purpose. The client is responsible for
the accuracy and completeness of the information provided. The client
is responsible for the accuracy and completeness of the information provided.
Fabrication of steel structures shall be in accordance with the
latest edition of the AISC Specification for Structural Steel Buildings.
Fabrication shall be in accordance with the latest edition of the
AISC Specification for Structural Steel Buildings.
Project No. 1114B-3-11-58 Date 3-11-58
Checked by J. J. J. J. Action

99-194

FOURNIER STEEL FABRICATION INC.

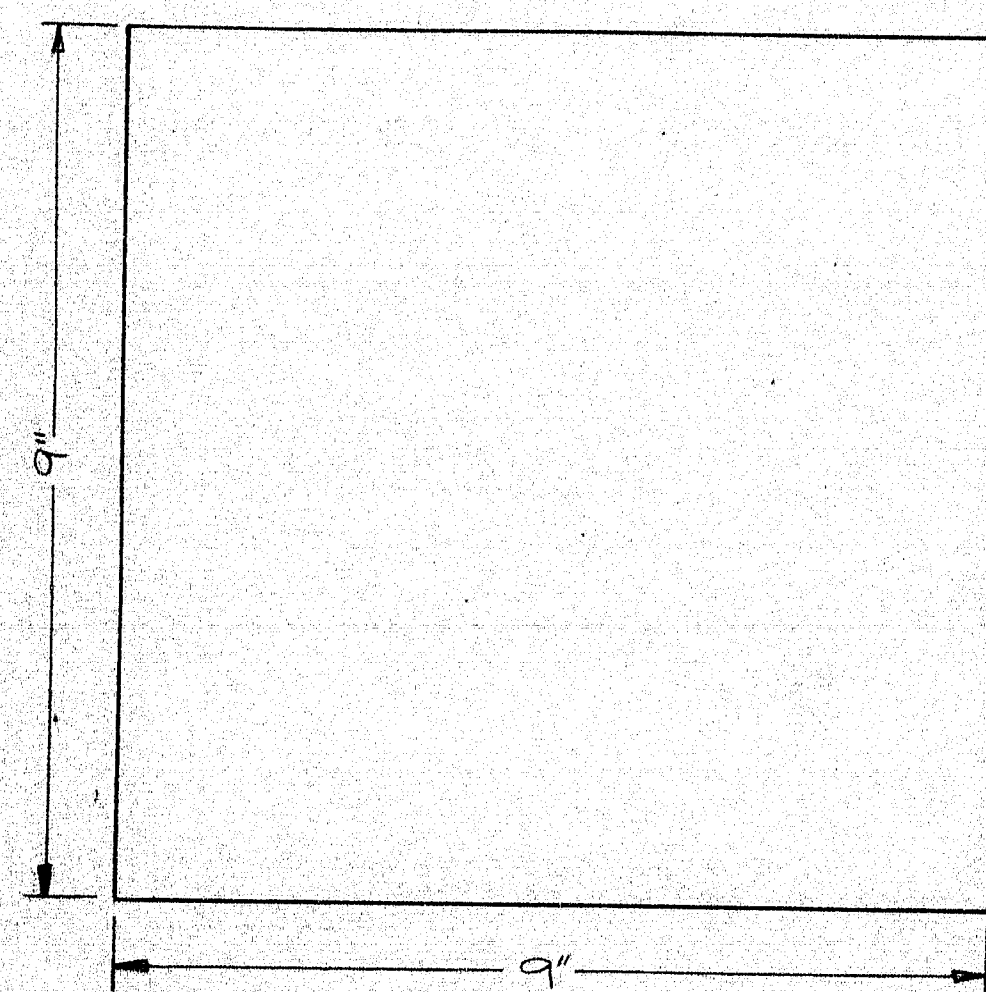
OLD ROUTE 1

WEST BATH, MAINE
(207) 443-6404

SOUTHPORT BRIDGE

ACTUATOR SUPPORT
DETAILS

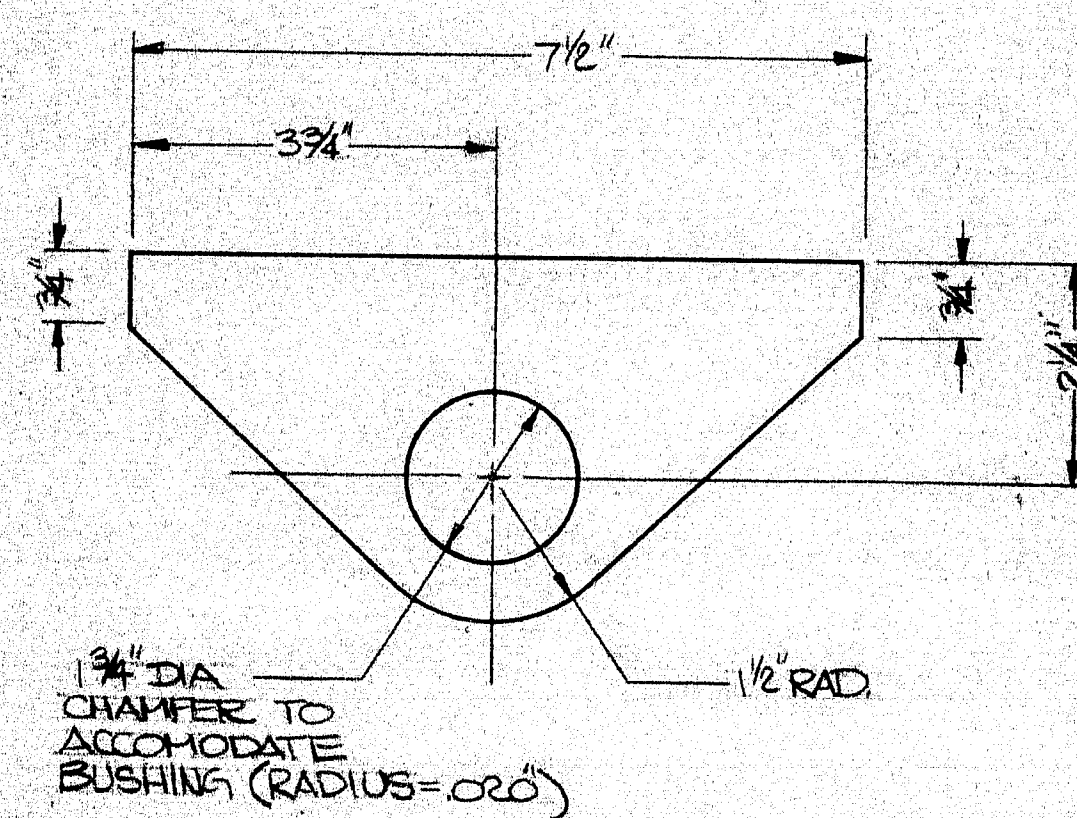
DATE: 3-11-58
BY: J. J. J. J.
SHEET NO. 9



PC NO P-1 PIVOT R

(3 REQD)
SCALE: 1/2"=1"

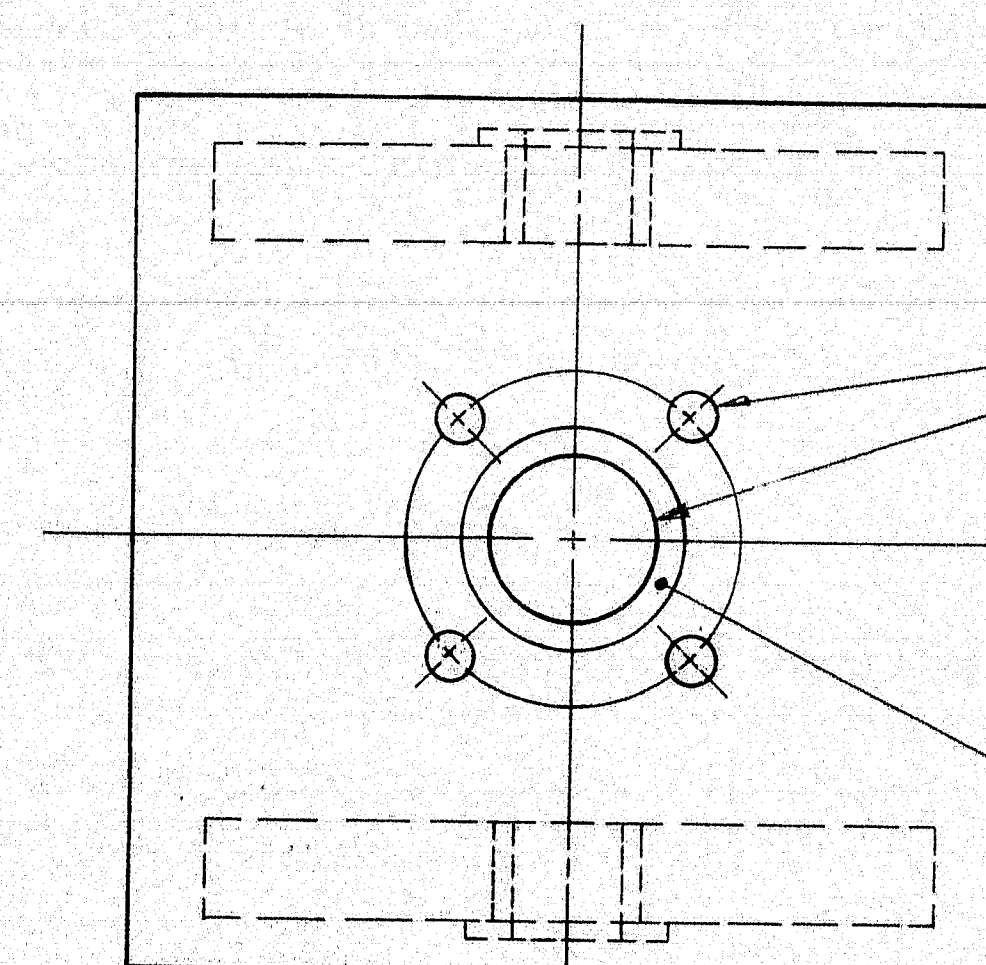
MATERIAL: 3/4" THICK PL ASTM-A36



PC NO P-2 PIVOT R SUPPORT

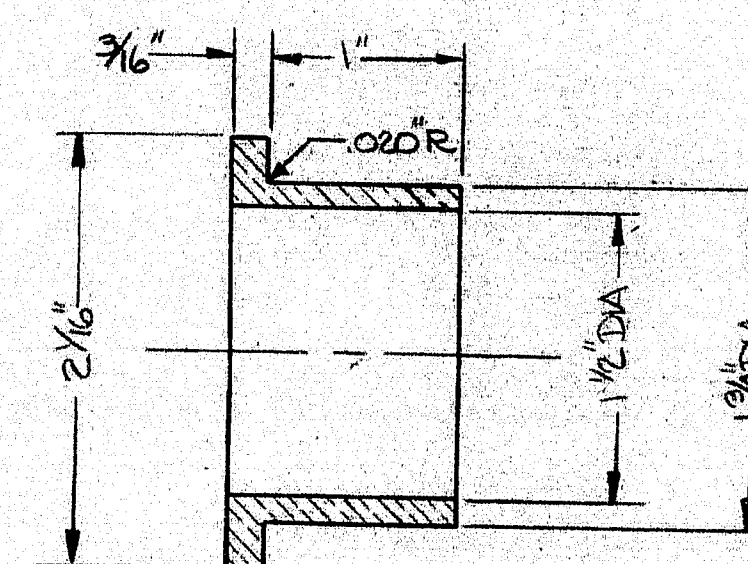
(6 REQD)
SCALE: 1/2"=1"

MATERIAL: 1" THICK PL ASTM-A36



THESE HOLES FIELD DRILLED.
SIZE & LOCATION TO BE
VERIFIED FROM LINEAR ACTUATOR

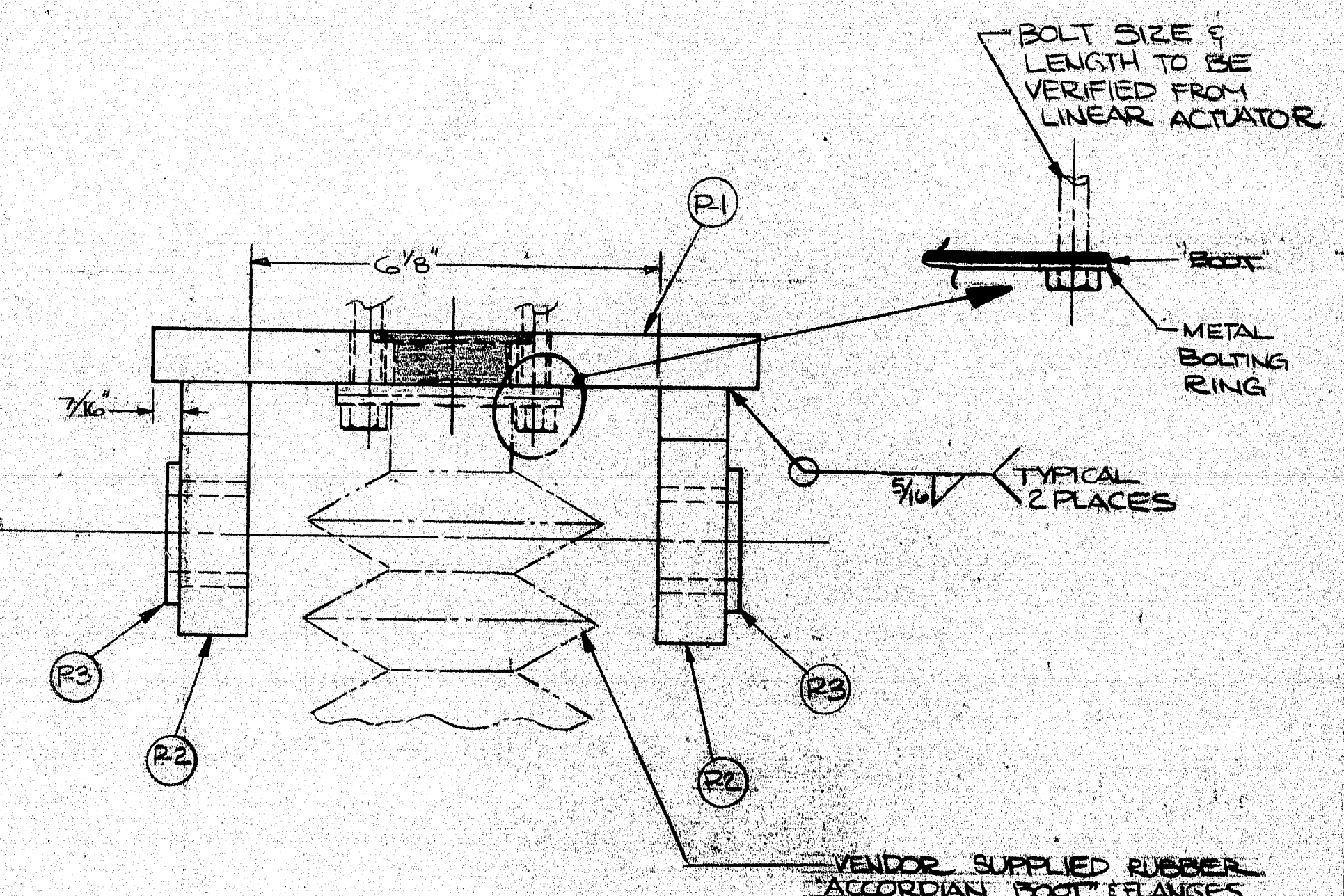
COUNTERBORE TO DIAMETER
& DEPTH NECESSARY TO
ATTAIN FLUSH FIT WITH
ACTUATOR MOUNTING BASE



SECT. ELEV. PC NO P-3 BEARING

(6 REQD)
SCALE: FULL

MATERIAL: OILITE FB-2428-12



PIVOT PLATE ASSEMBLY A2

(3 REQD)

SCALE: 1/2"=1"

MILTON C. STAFFORD, P.E., Consulting Engineer			
This drawing has been reviewed for design and construction compliance with the contract documents and is hereby approved for construction. It is the responsibility of the contractor to verify all dimensions and field conditions, and for all aspects of any work on site.			
Fabrication of structures may proceed as shown on this drawing.			
Submitted drawings not to be used for any other project without written permission of the engineer.			
Project No.	Date	Reviewed by	Action
1114B	3-11-88	J.V.	

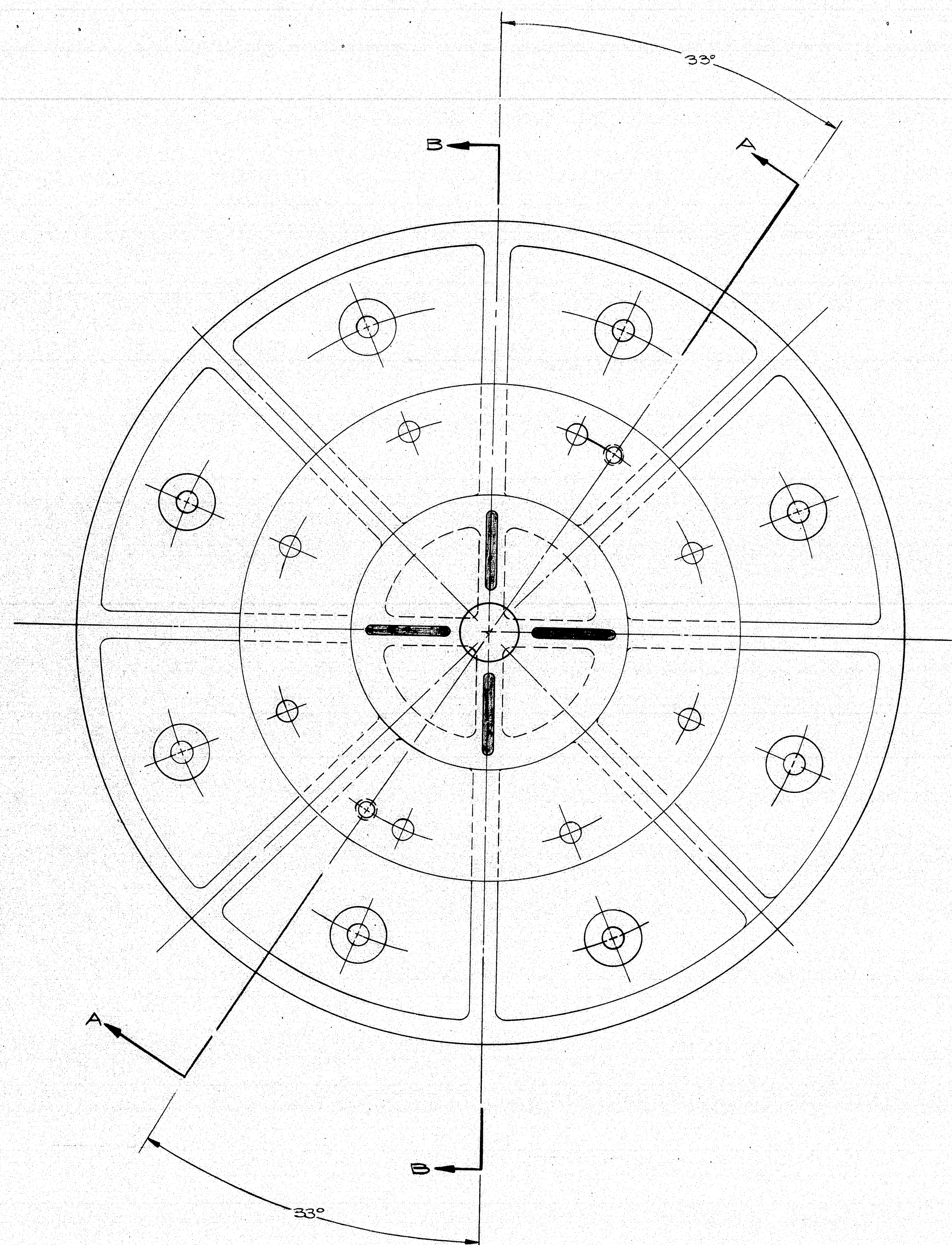
99-195

FOURNIER STEEL FABRICATION INC

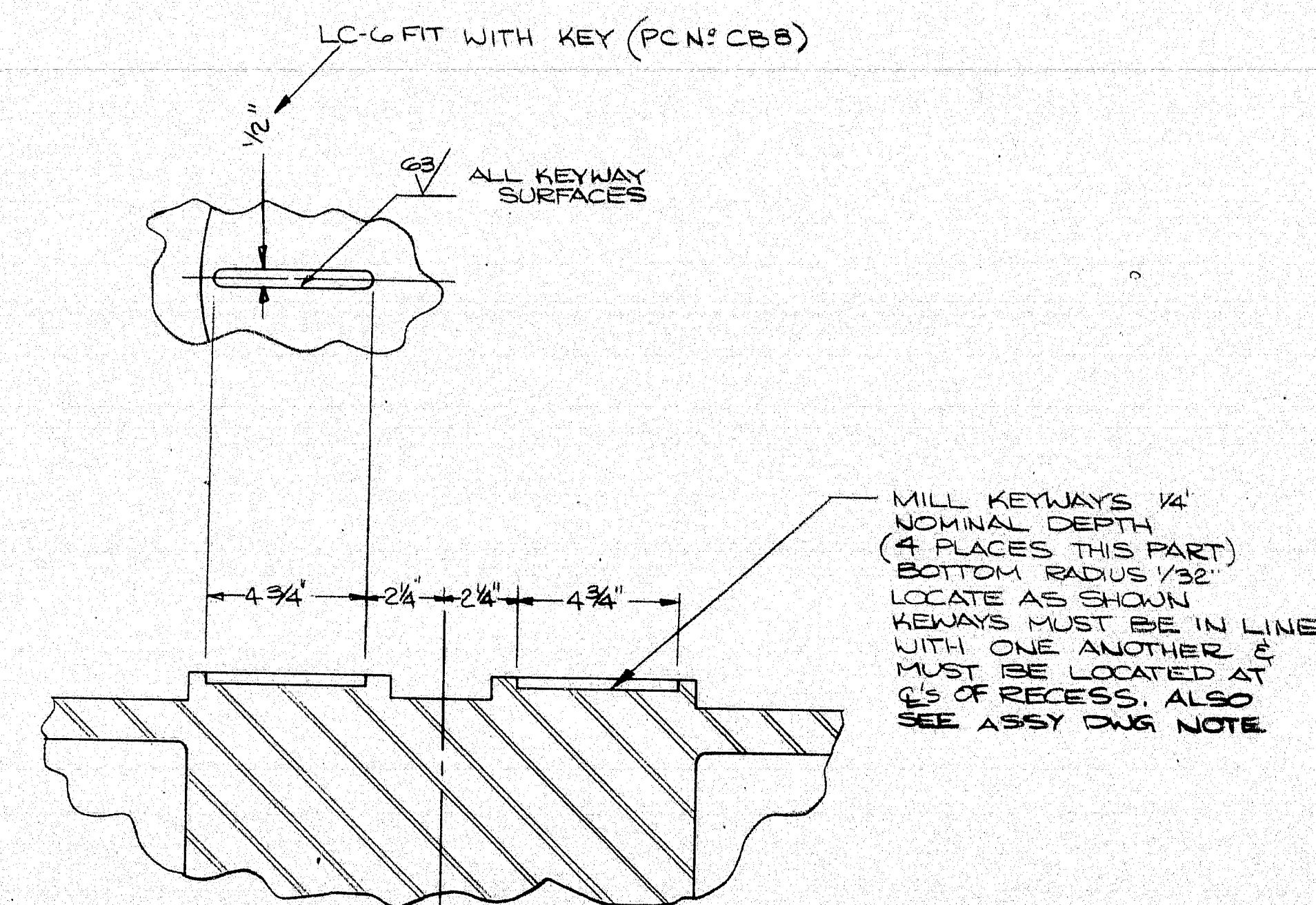
OLD ROUTE 1

WEST BATH, MAINE
(207) 443-6404

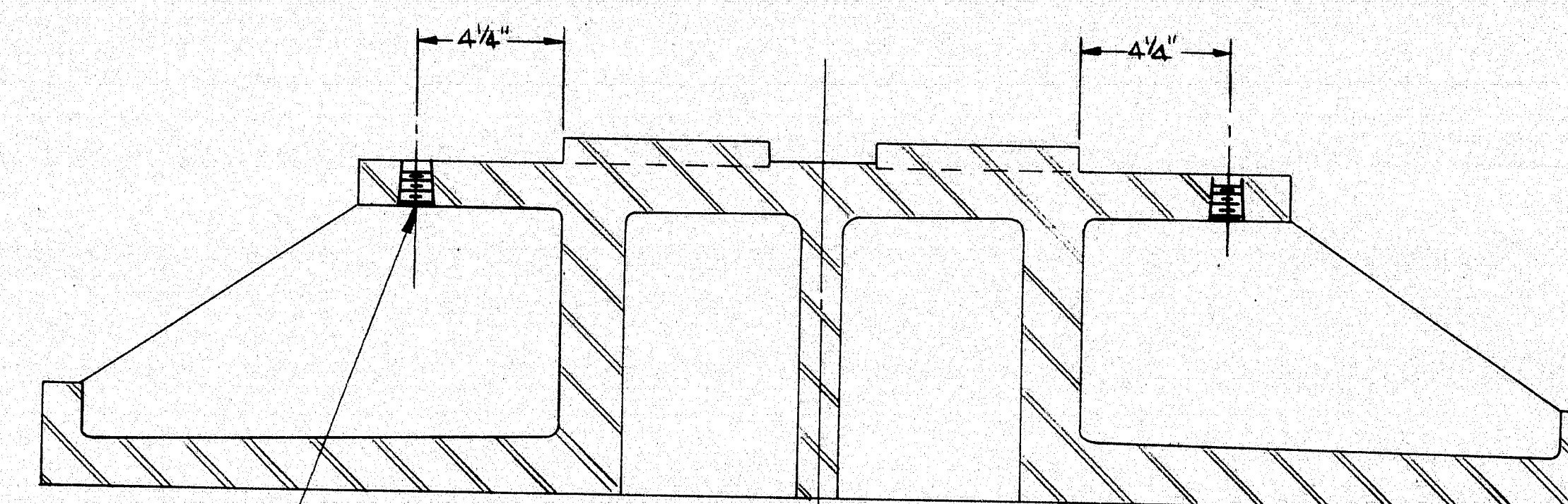
1	RESUBMITTED	DATE	BY	DATE
	REVISION			
	SOUTHPORT BRIDGE			
	ACTUATOR MOUNT PIVOT R			
	ASSEMBLY & DETAILS			
		DATE: 3-9-87		
		PROJECT NO: 99-195		
		SHEET NO		
		10		



PIVOT BASE BOTTOM (CBS)
PLAN VIEW
SCALE: 1/4"=1"



PARTIAL SECTION B-B
SCALE: 1/4"=1"



5/16" DRILL FOR 3/4" NPT
(2 PLACES @ 180°)

PIVOT BASE BOTTOM (CBS)
SECTION A-A
SCALE: 1/4"=1"

MILTON C. STAFFORD, P.E., Consulting Engineer
This document has been prepared for design and general information only and is subject to certain restrictions. AGENCY and/or customer shall not release this information without the express written consent of the engineer. The engineer shall not be responsible for the design or construction of any structure or equipment based on this information. The engineer shall not be responsible for the design or construction of any structure or equipment based on this information. The engineer shall not be responsible for the design or construction of any structure or equipment based on this information.

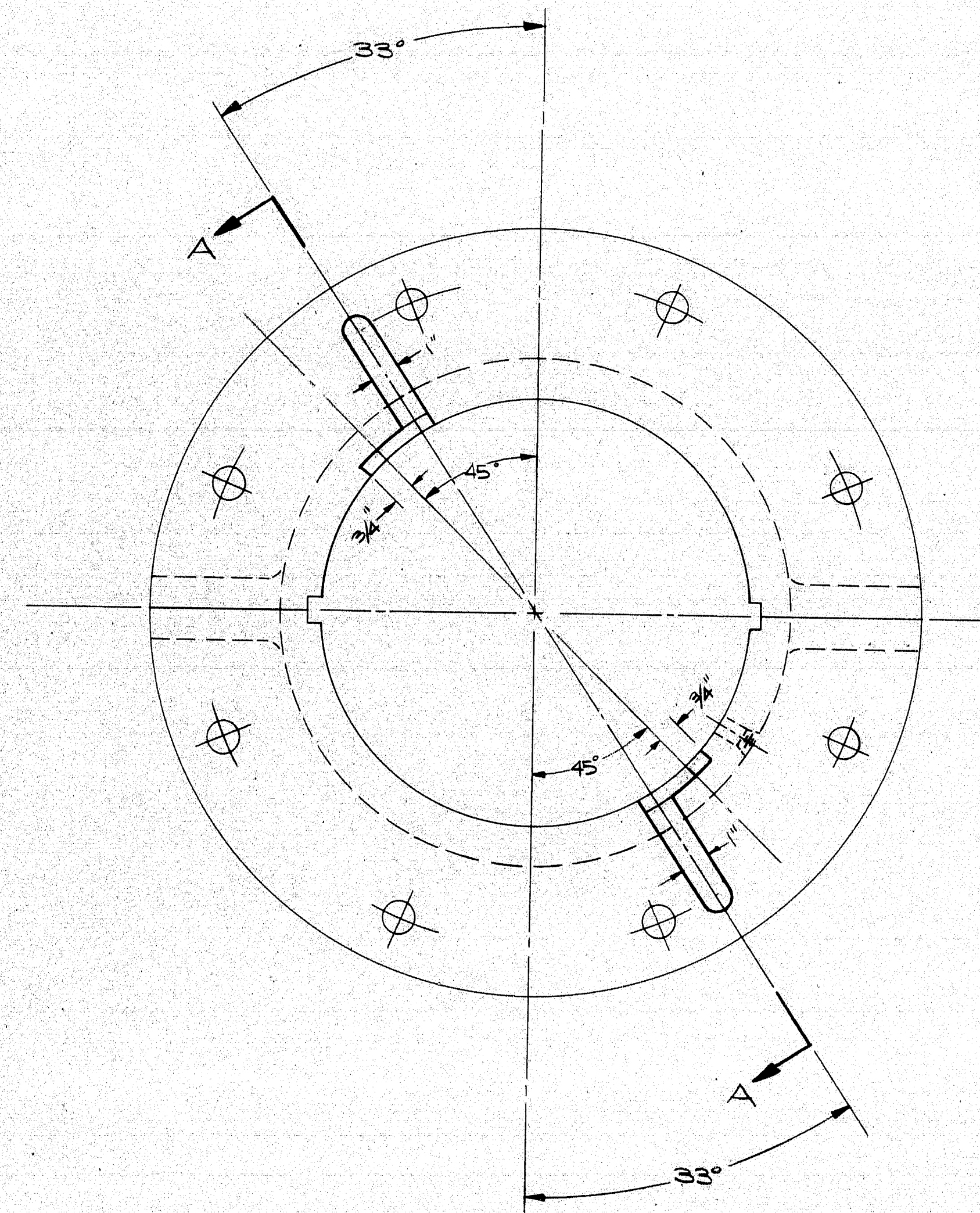
99-197

FOURNIER STEEL FABRICATION INC.
OLD ROUTE 1 WEST BATH, MAINE
(207) 443-6404

NO.	REVISION	BY	DATE
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

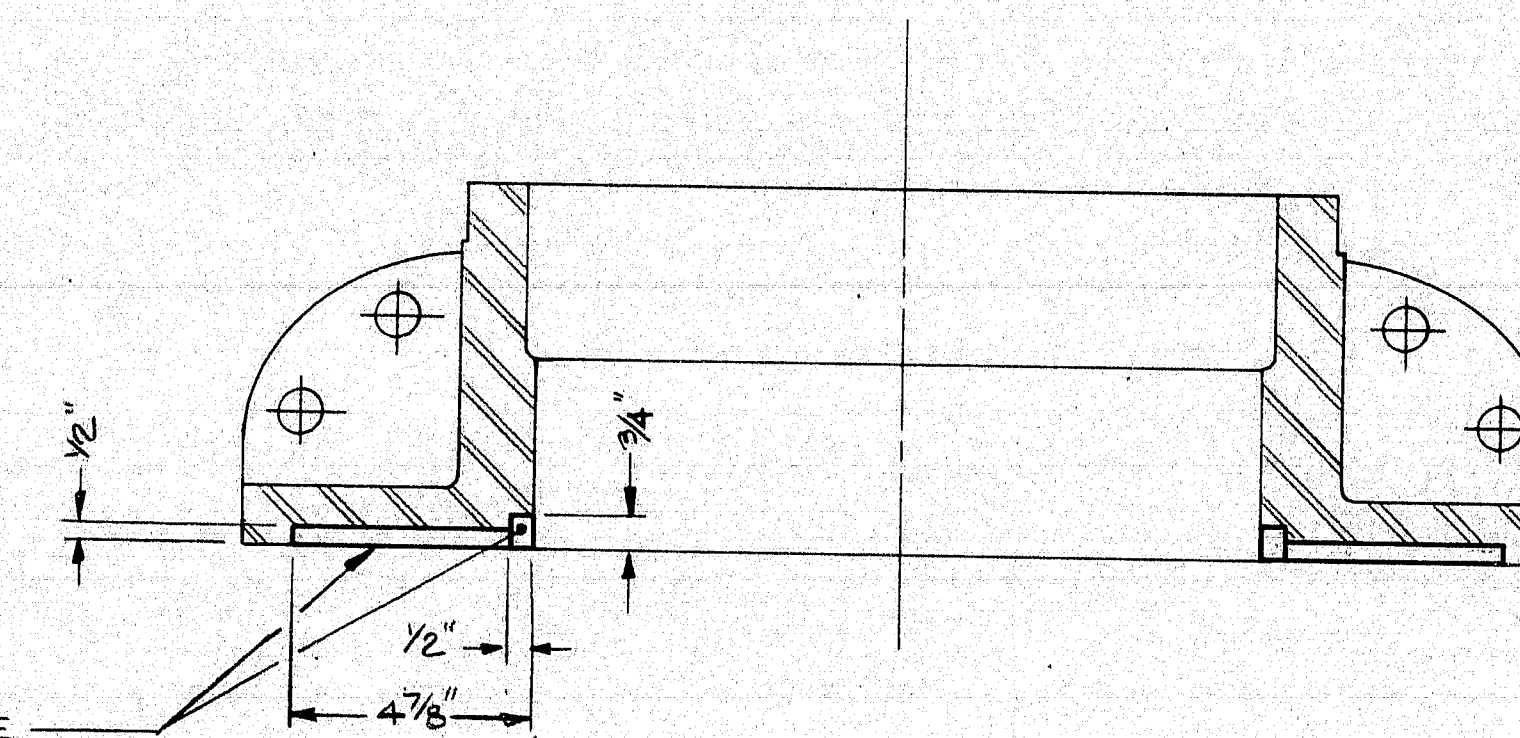
SOUTHPORT BRIDGE
CENTER BEARING
PIVOT BASE BOTTOM
ALTERATIONS

DRAWN BY
CHECKED
DATE: 3-10-87
PROJECT: 99-197
SHEET NO: 12



OIL BOX ASSEMBLY (B4)
 BOTTOM VIEW
 SCALE: 1/4"=1"

MILL OIL GROOVE
 & OIL CHANNEL GROOVE
 @ 180° APART AS SHOWN



OIL BOX ASSEMBLY (B4)
 SECTION A-A
 SCALE: 1/4"=1"

1114 D 3-11-88 J.V.

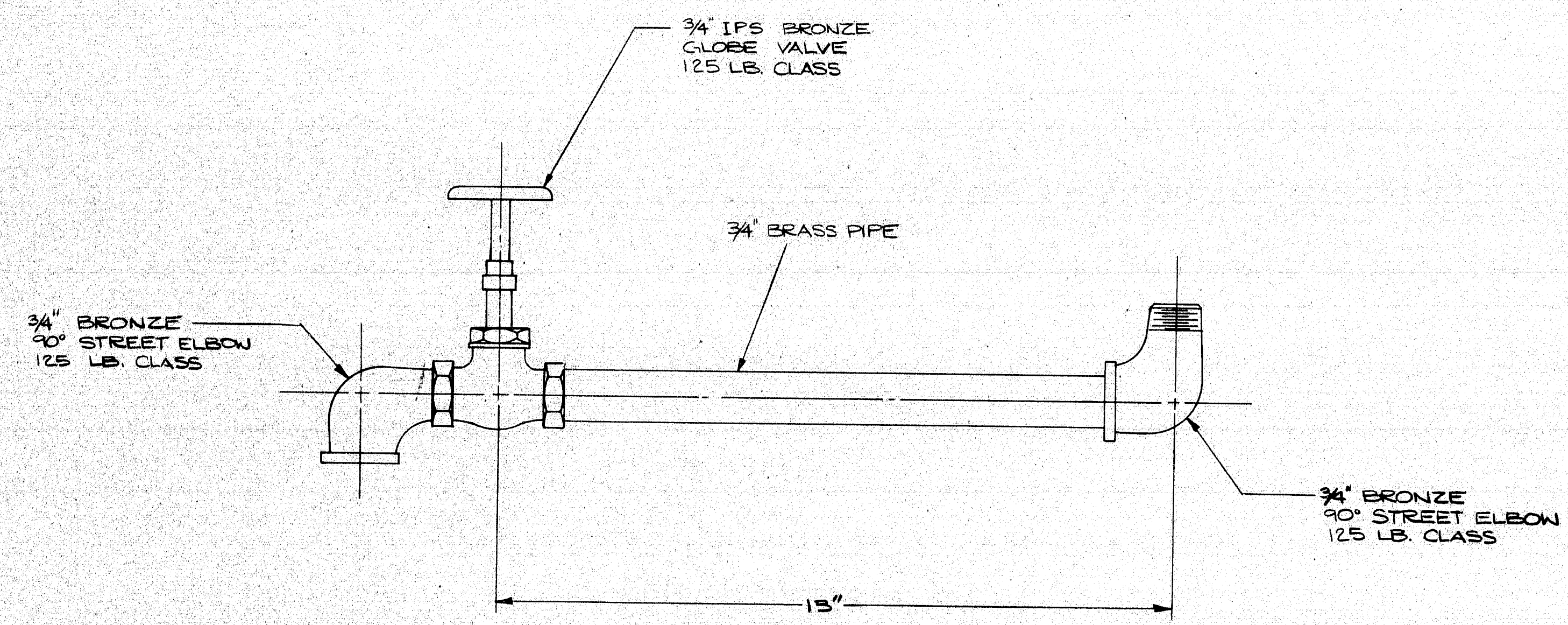
99-198

FOURNIER STEEL FABRICATION INC.

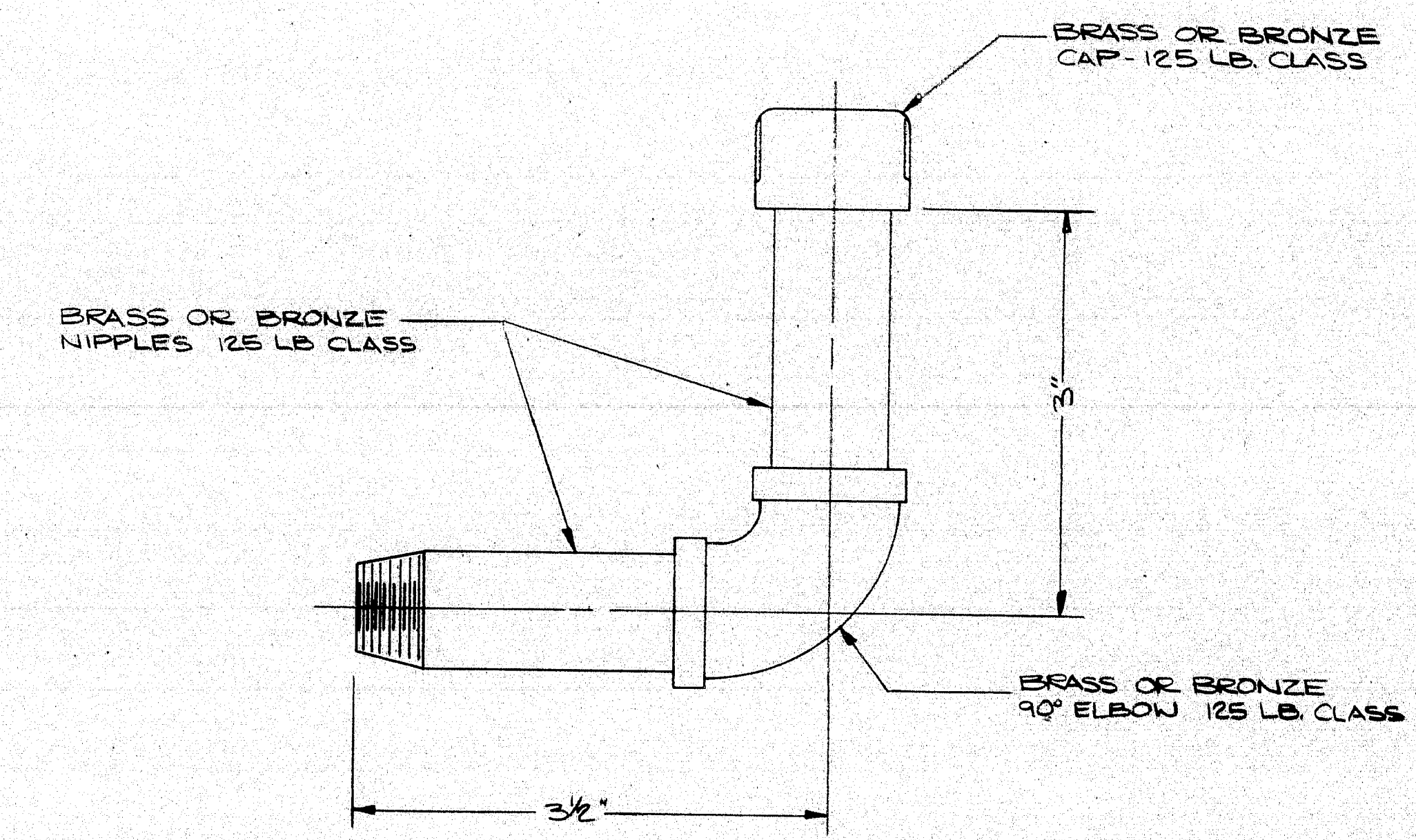
OLD ROUTE 1

WEST BATH, MAINE
 (207) 443-6404

REVISION		BY	DATE
1			
SOUTHPORT BRIDGE			
CENTER BEARING			
OIL BOX ASSEMBLY			
ALTERATIONS			
SHEET NO.			13



PC N^o CB6 OIL DRAIN PIPE ASSY
2 ASSEMBLIES REQD
SCALE: 1/2"=1'



PC N^o CB7 OIL FILL PIPE ASSY
ONE ASSEMBLY REQD
SCALE: FULL

WILLIAM C. STAFFORD, P.E., Consulting Engineer
This submittal has been reviewed for design and general arrangement only and is subject to Contract Documents. RCTDN noted below does not release Contractor/Manufacturer from responsibility to maintain all loads, to verify all dimensions and field conditions, and to use all quality check and site safety.
Violations or omissions may proceed.
Indication of compliance may proceed on submittal. Review and feedback for work.
Submittal does not comply with document requirements. Review and feedback.
Project No. 1114 D Date 3-11-98 Prepared by J.V. Action

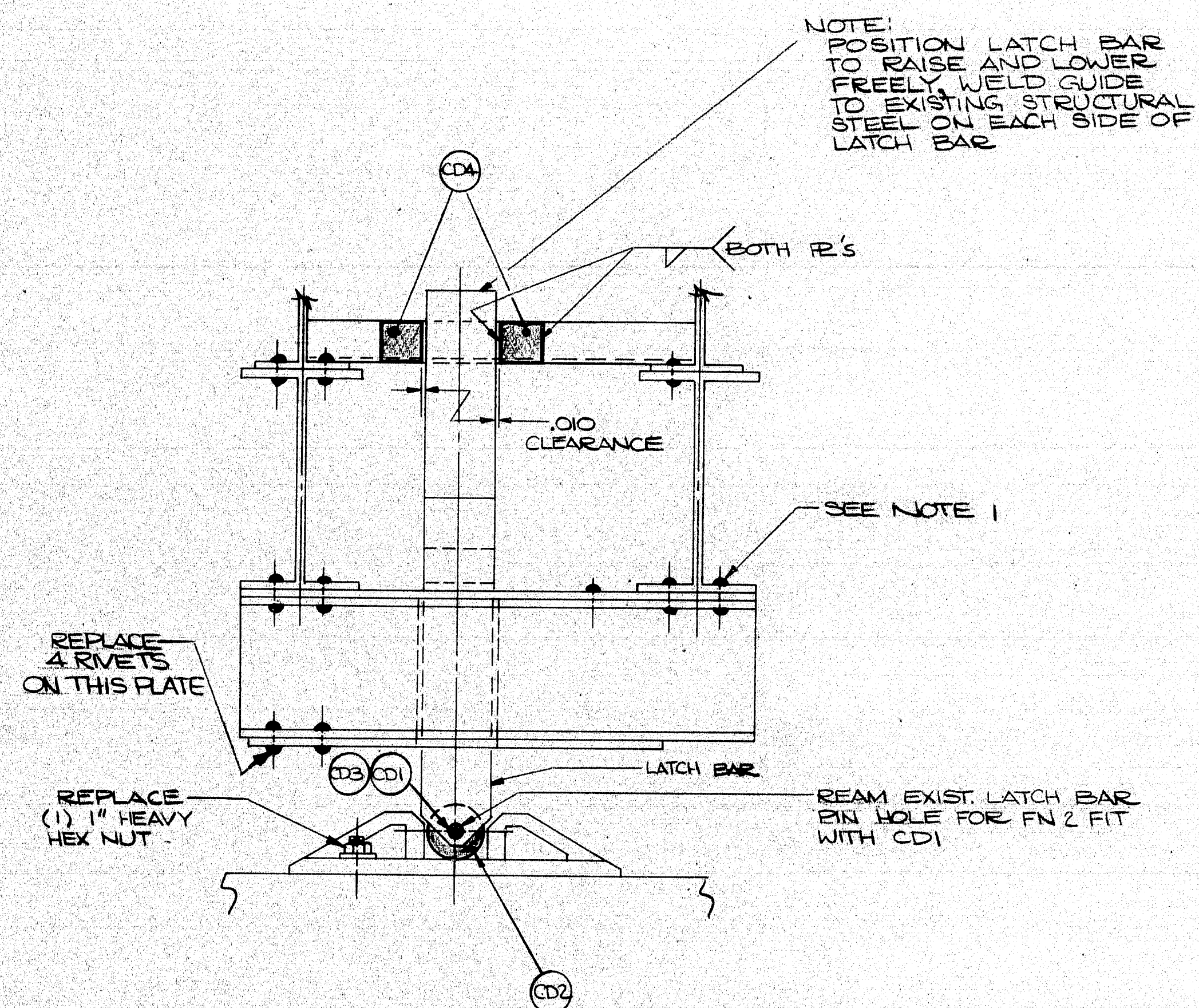
99-199

FOURNIER STEEL FABRICATION INC.
OLD ROUTE 1 WEST BATH, MAINE
(207) 443-6404

REVISION		BY	DATE
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

SOUTHPORT BRIDGE
CENTER BEARING
OIL FILL & DRAIN PIPES
(ASSEMBLIES)
DRAWN: WRM
CHECKED:
DATE: 3-10-97
PROJECT: 99-199(49)
SHEET N^o 14

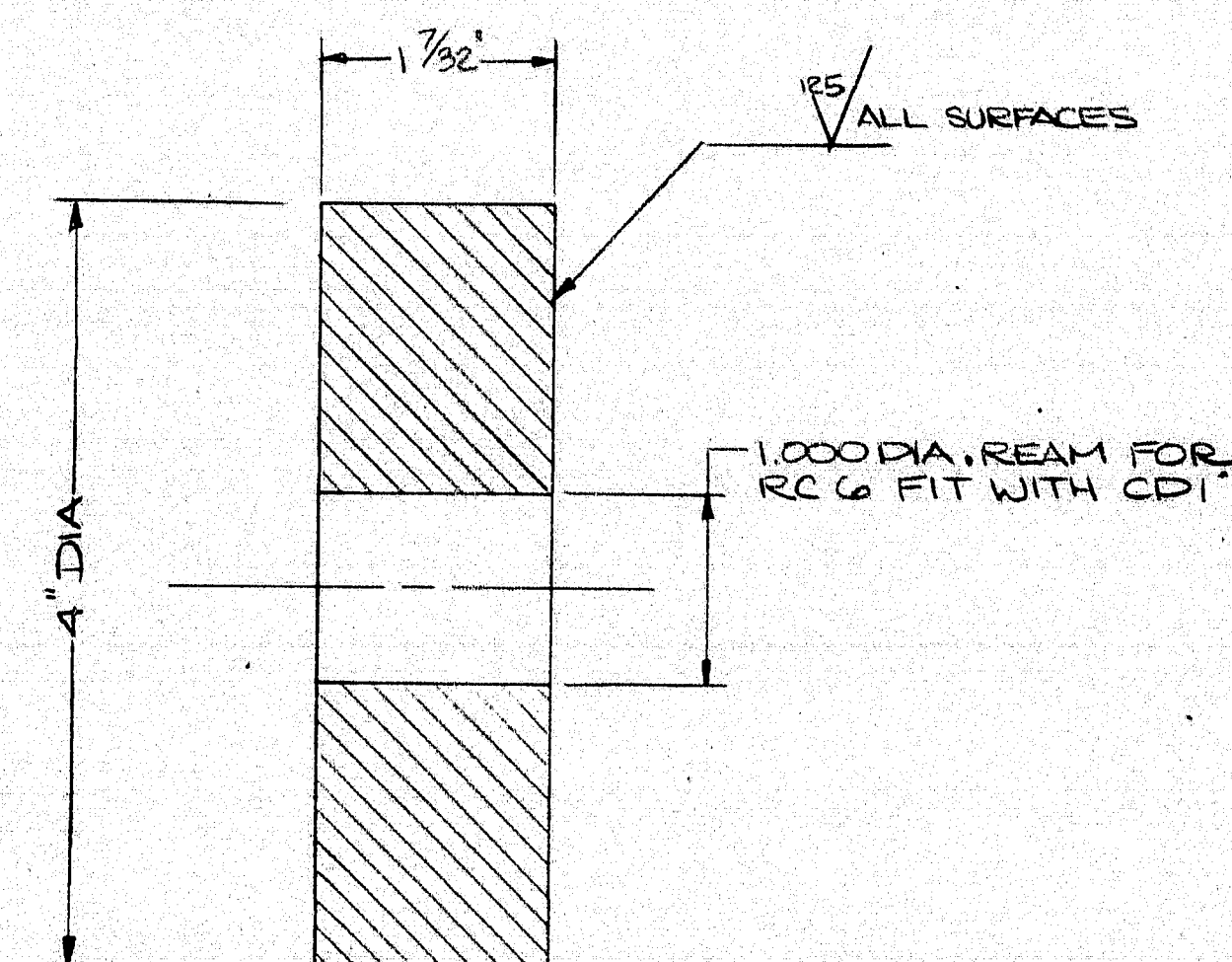
PC NO	DESCRIPTION	REQD PER ASSY	TOTAL REQD	DETAIL ON SHIT N°
CD1	LATCH WHEEL PIN	1	1	
CD2	LATCH WHEEL	1	1	
CD3	3/16" DIA COTTER PIN	2	2	
CD4	LATCH BAR GUIDE PL	2	2	



CENTERING DEVICE ASSEMBLY

SCALE: 1/8" = 1"

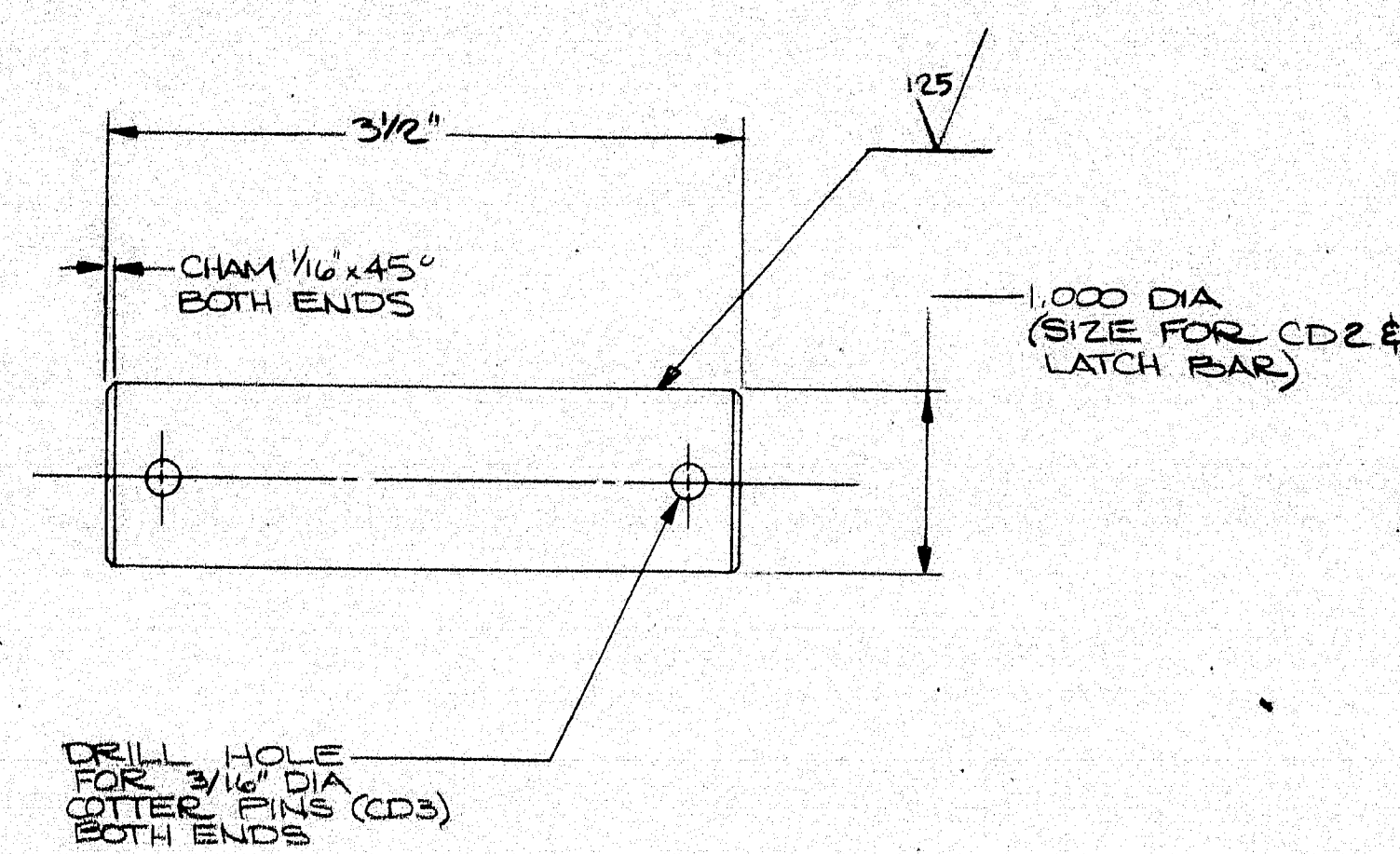
NOTE 1
REPLACE (12) CORRODED RIVETS IN STRUCTURAL STEEL SUPPORTING THE CENTER DEVICE AS SHOWN WITH ASTM A 325 TYPE 3 HIGH STRENGTH BOLTS, SAME SIZE AS RIVETS.



PC NO CD2 LATCH WHEEL

SECTION
SCALE: FULL

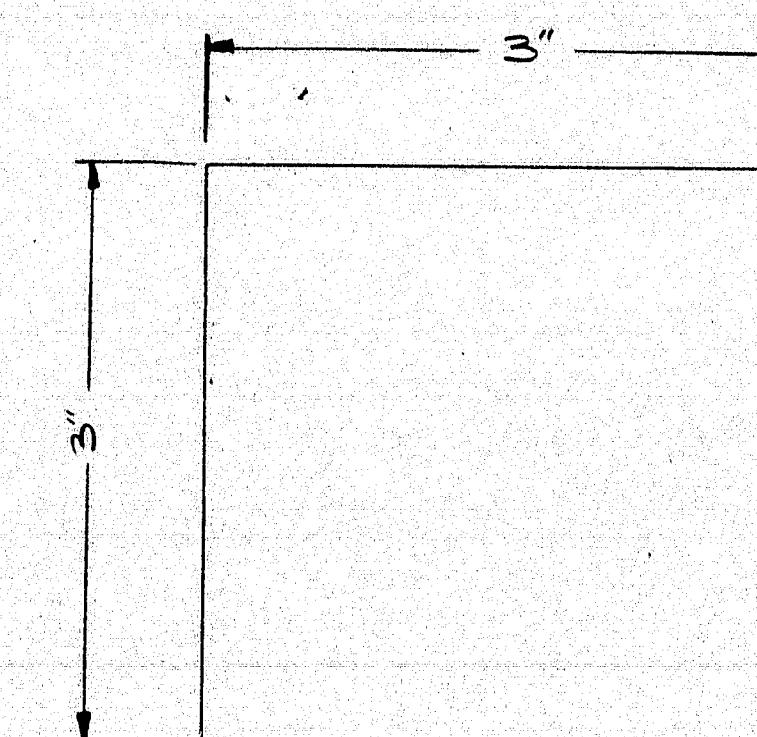
MATERIAL: SAE 1045 STEEL



PC NO CD1 LATCH WHEEL PIN

SCALE: FULL

MATERIAL: SAE 4140 COLD FINISHED STEEL



PC NO CD4 LATCH BAR GUIDE PL

SCALE: FULL

MATERIAL: 1/2" THICK PL ASTM-A 36

114B 13-11-88 J.V. ACTION

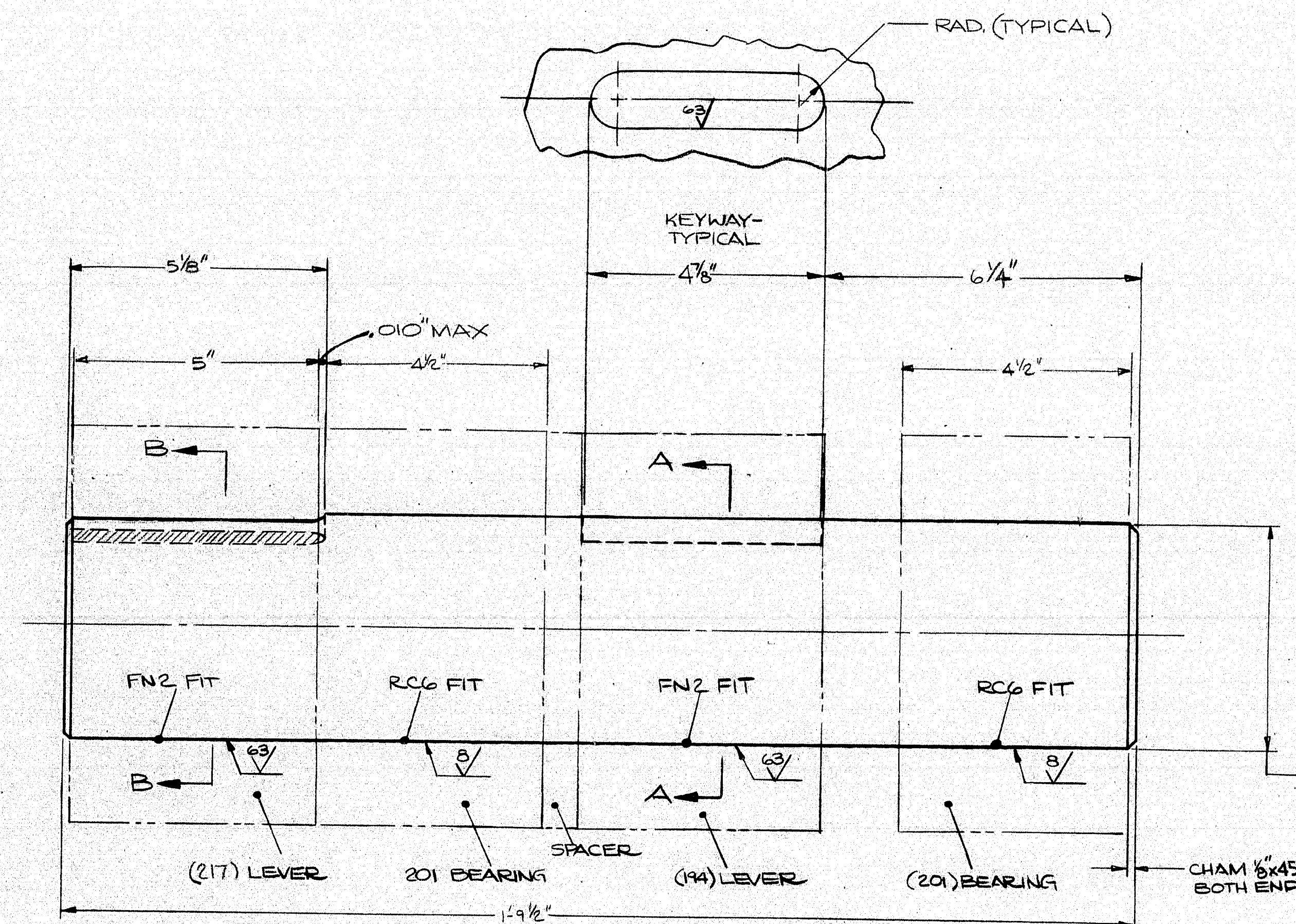
99-200

FOURNIER STEEL FABRICATION INC.

OLD ROUTE 1

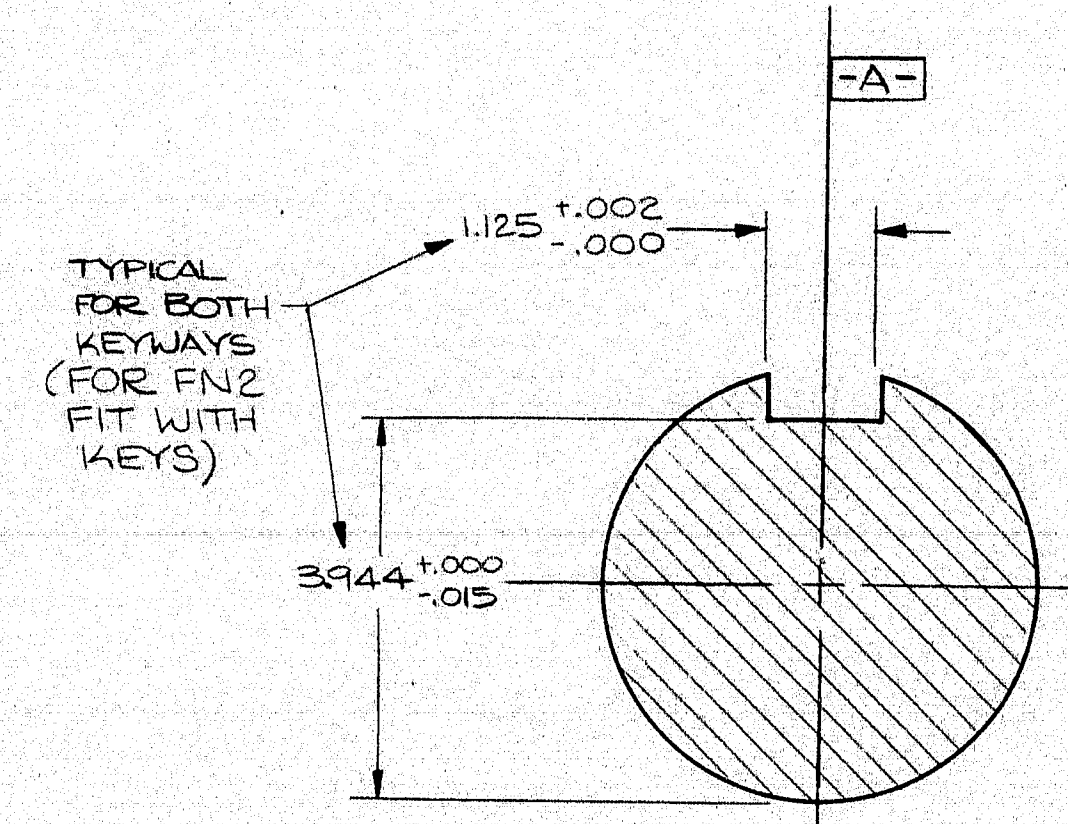
WEST BATH, MAINE
(207) 443-6404

NO	REVISION	BY	DATE
1	SOUTHPORT BRIDGE	DRWN WCH	DESIGNED
2	CENTERING DEVICE	DATE 3-10-87	REQD NO 81005(40)
3	LATCH BAR	SHEET N°	15
4	ASSEMBLY & DETAILS		

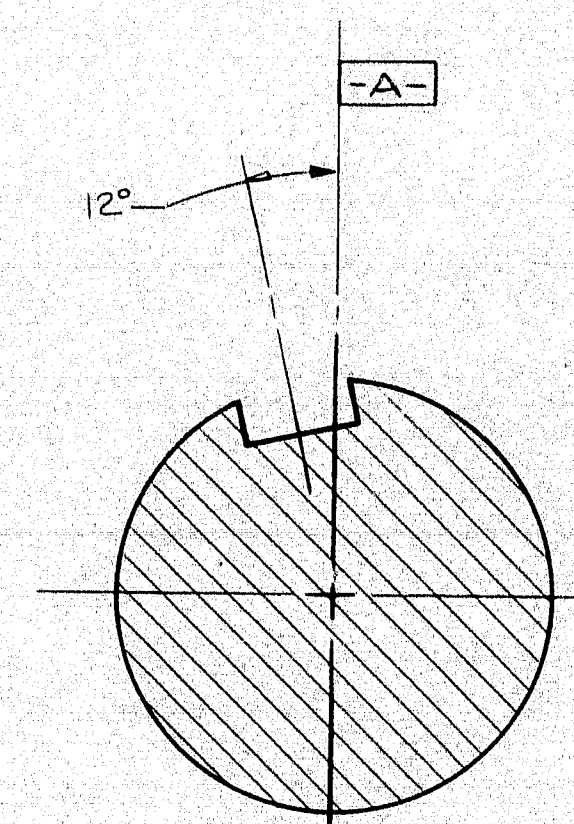


PC NO C-1
SCALE: 3/4"=1"

4 1/2" DIA (REF)
FINISH DIA WILL VARY
TO ACCOMMODATE CLEAN-UP
HONING OF EXISTING PARTS
AND FITS SPECIFIED



SECTION A-A



SECTION B-B

MATERIAL: ASTM A576 GRADE 1045

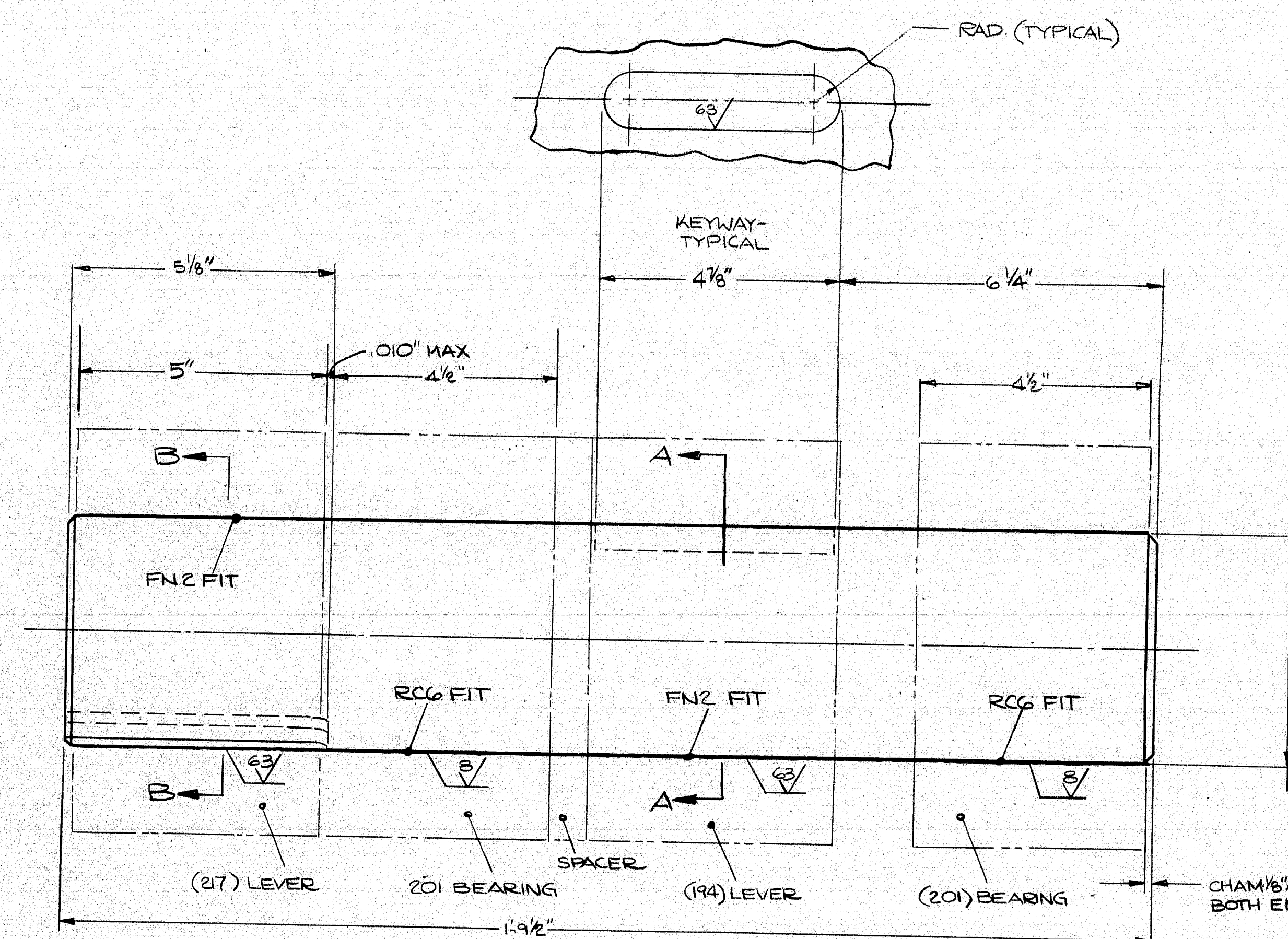
FOR: JON C. STAFFORD, P.E., Consulting Engineer
This submittal has been reviewed for design and material compliance only and is subject to Contract Documents. SCHOOF does not warrant. Contractor's calculations are their responsibility. SCHOOF shall not be held liable for any errors or omissions. SCHOOF shall not be held liable for any errors or omissions. SCHOOF shall not be held liable for any errors or omissions.

1114B 3-11-88 J.V. ACTION

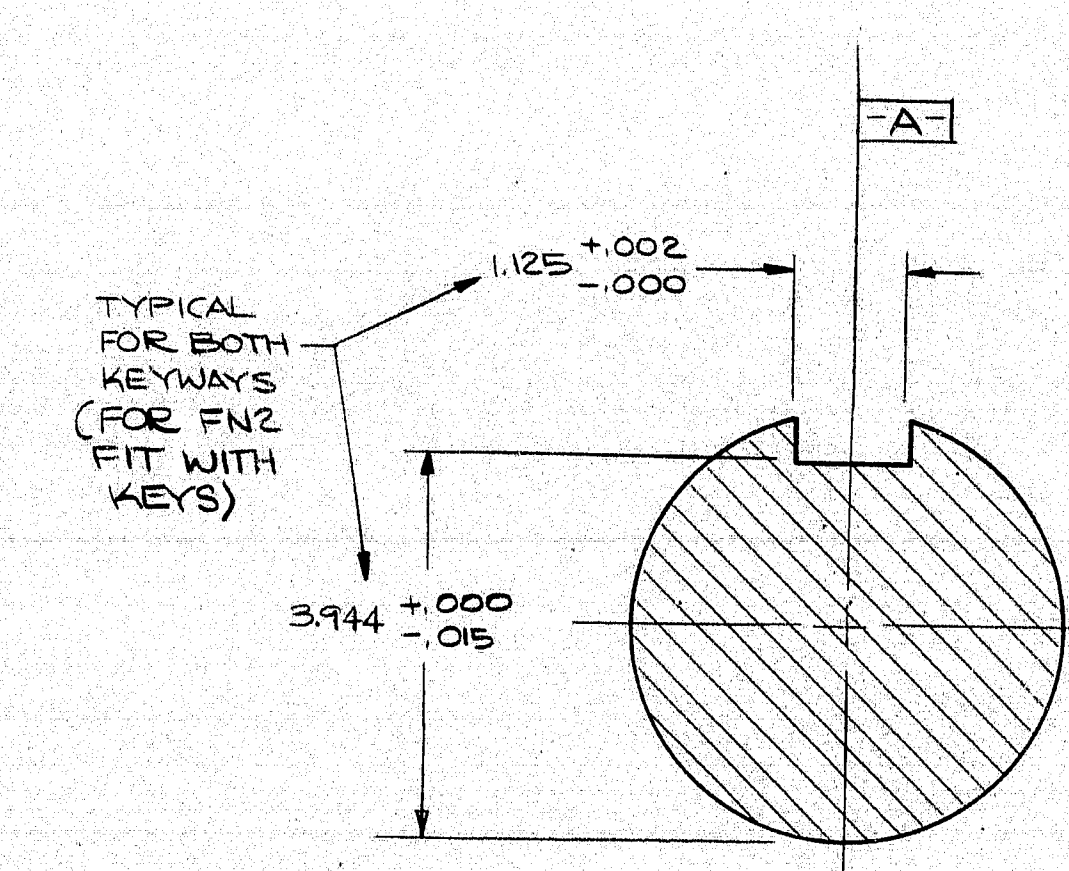
99-201

FOURNIER STEEL FABRICATION INC.
OLD ROUTE 1 WEST BATH, MAINE
(207) 443-6404

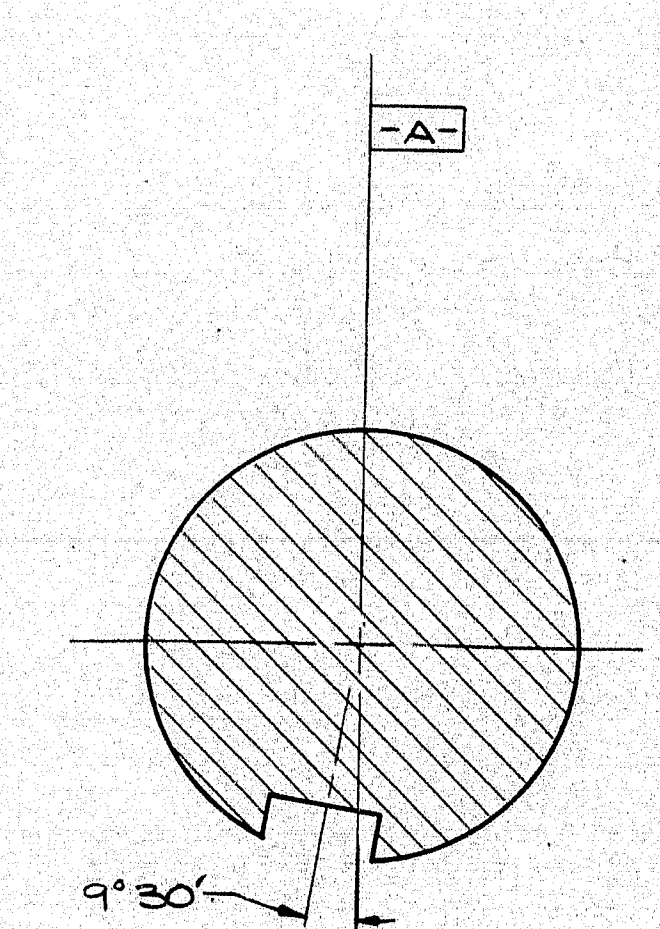
RESUBMITTED		DATE
NO	REVISION	BY DATE
SOUTHPORT BRIDGE		DATE 3-5-87
CENTER WEDGE LEVER SHAFT		DATE 3-5-87
DETAIL (PC NO C-1)		SHEET NO 20



4 1/2" DIA (REF)
FINISH DIM. WILL VARY
TO ACCOMMODATE CLEAN-UP
HONING OF EXISTING PARTS
AND FITS SPECIFIED



SECTION A-A



SECTION B-B

PC N° B-2
SCALE: 1/4"=1"

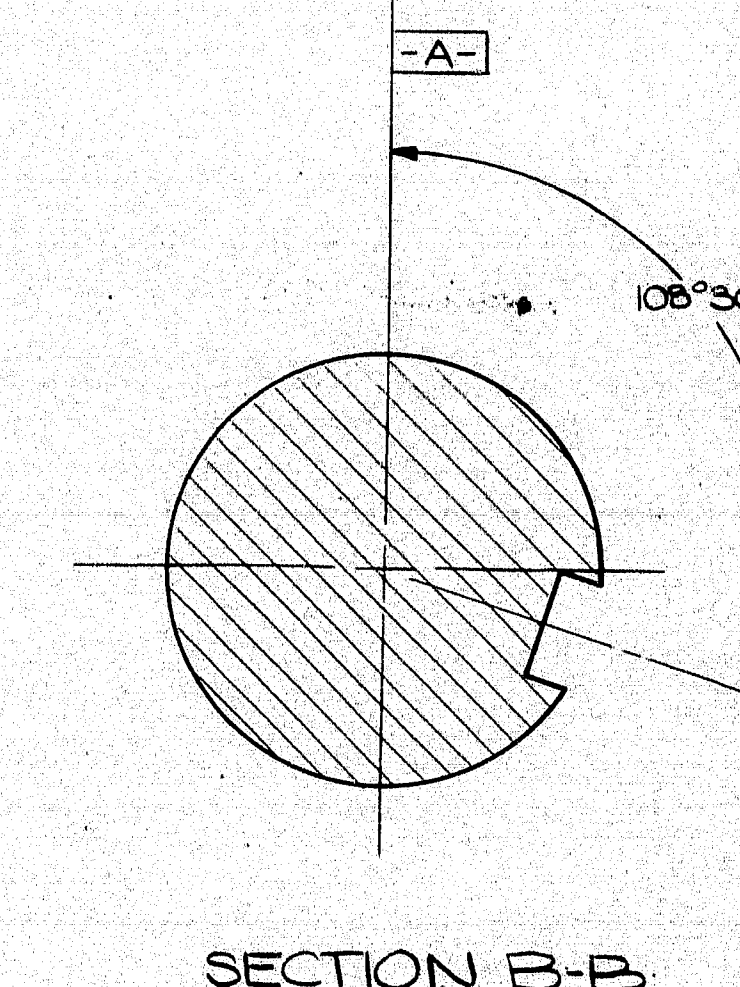
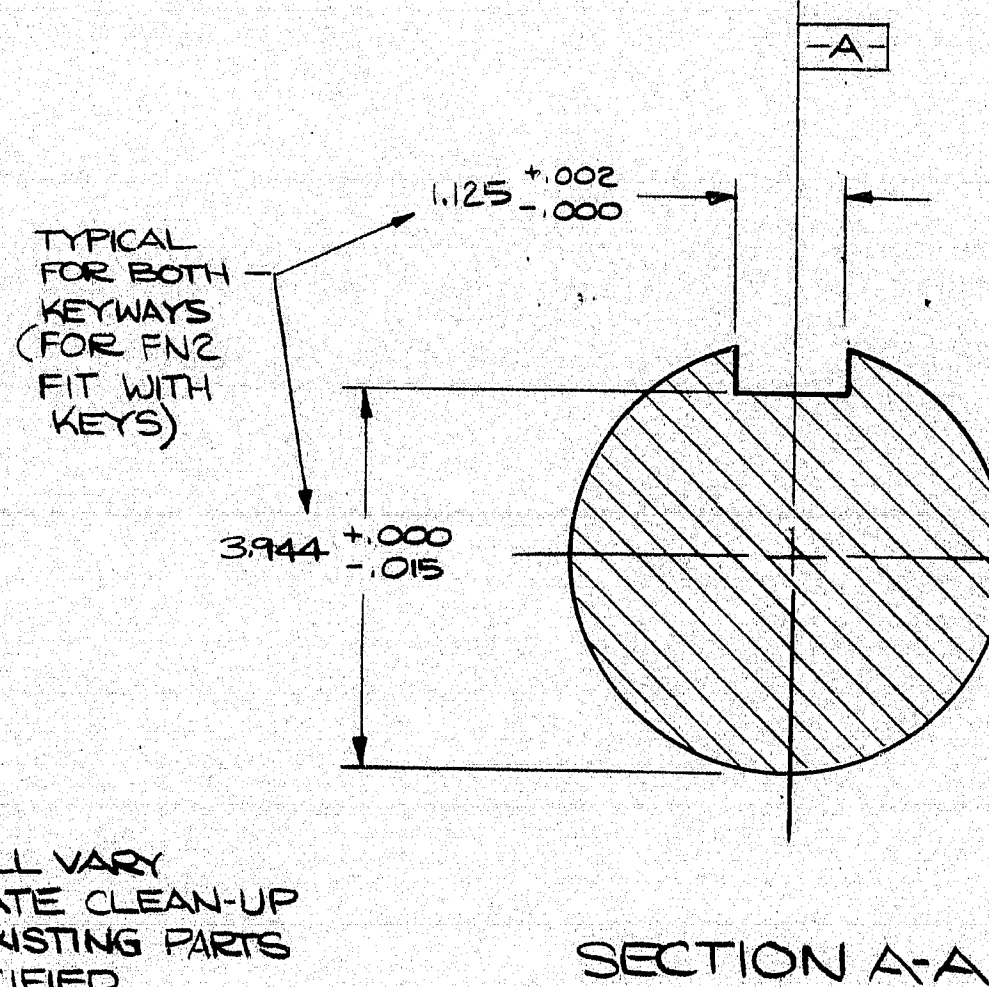
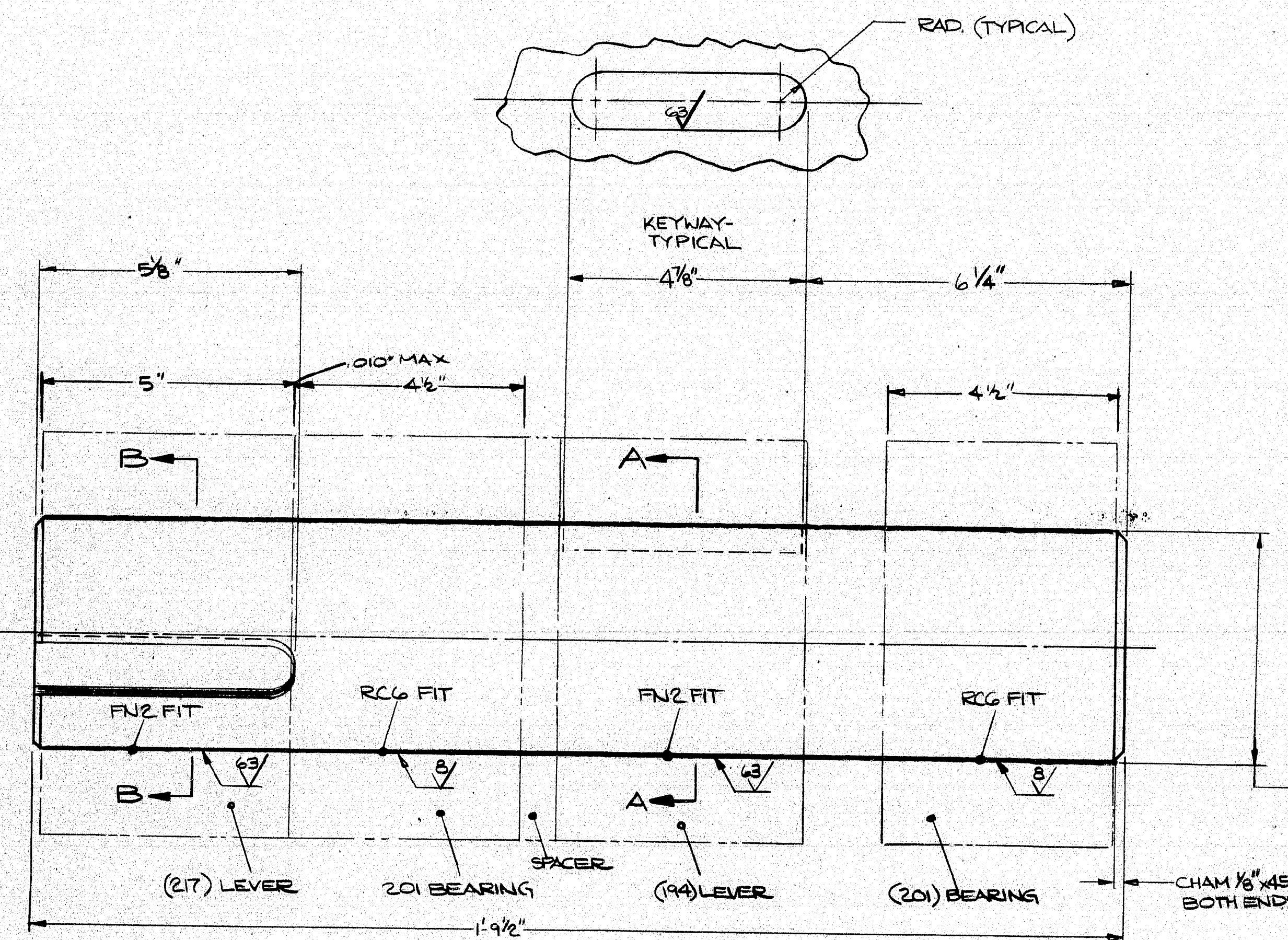
MATERIAL: ASTM A576 GRADE 1045

1114B 13-11-88 J.Y.

99-202

FOURNIER STEEL FABRICATION INC.
OLD ROUTE 1 WEST BATH, MAINE
(207) 443-6404

RESUBMITTED		WH 4-4-87
REVISION		BY DATE
SOUTHPORT BRIDGE		DRAWN: WRM
BOOTHBAY END WEDGE		CHECKED:
LEVER SHAFT		DATE 9-5-87
DETAIL (PC N° B-2)		PROJ: 99-202(21)
		SHEET N° 21



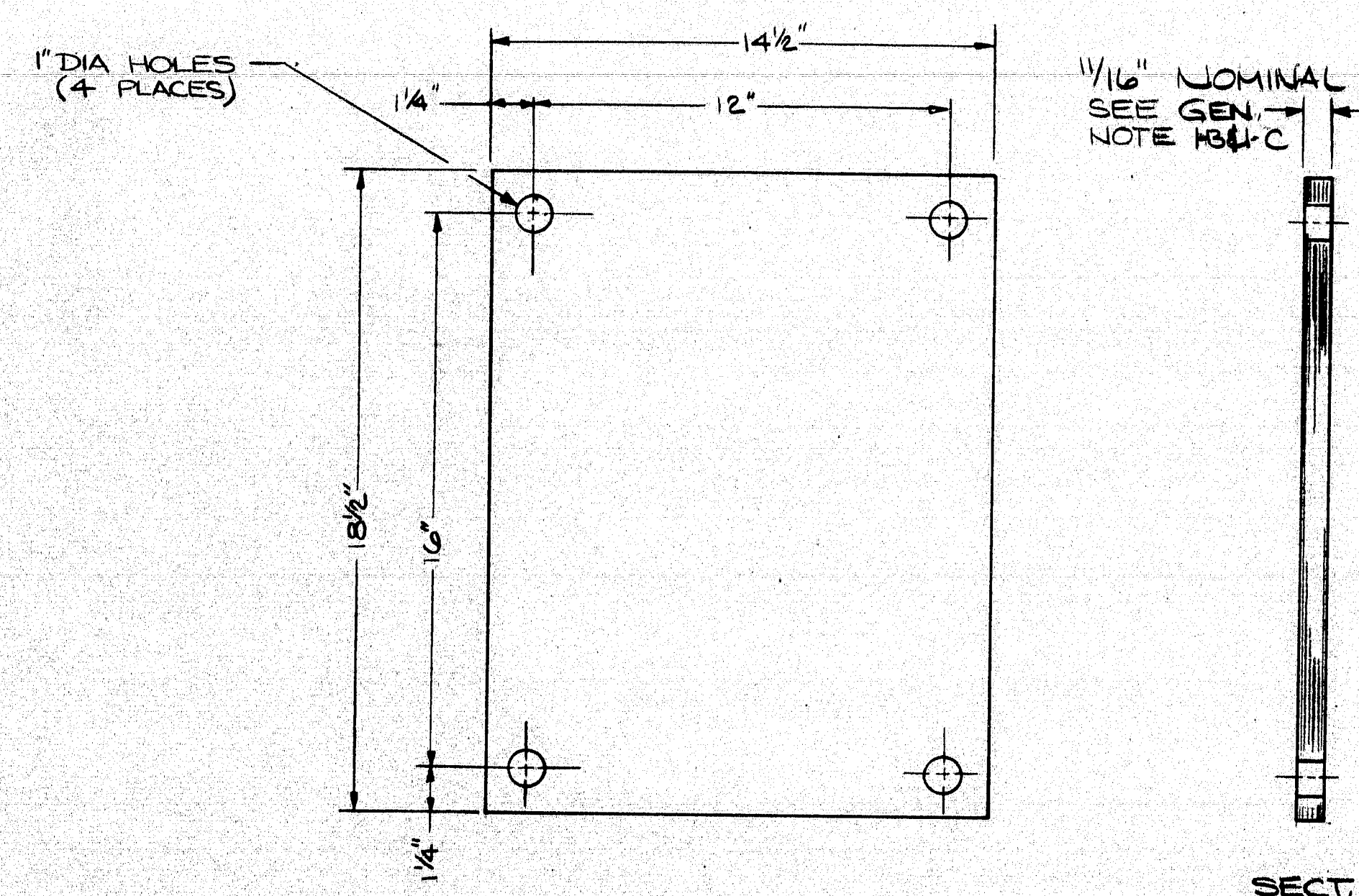
PC N^o A-4
SCALE 3/4" = 1"

MATERIAL: ASTM A576 GRADE 1045

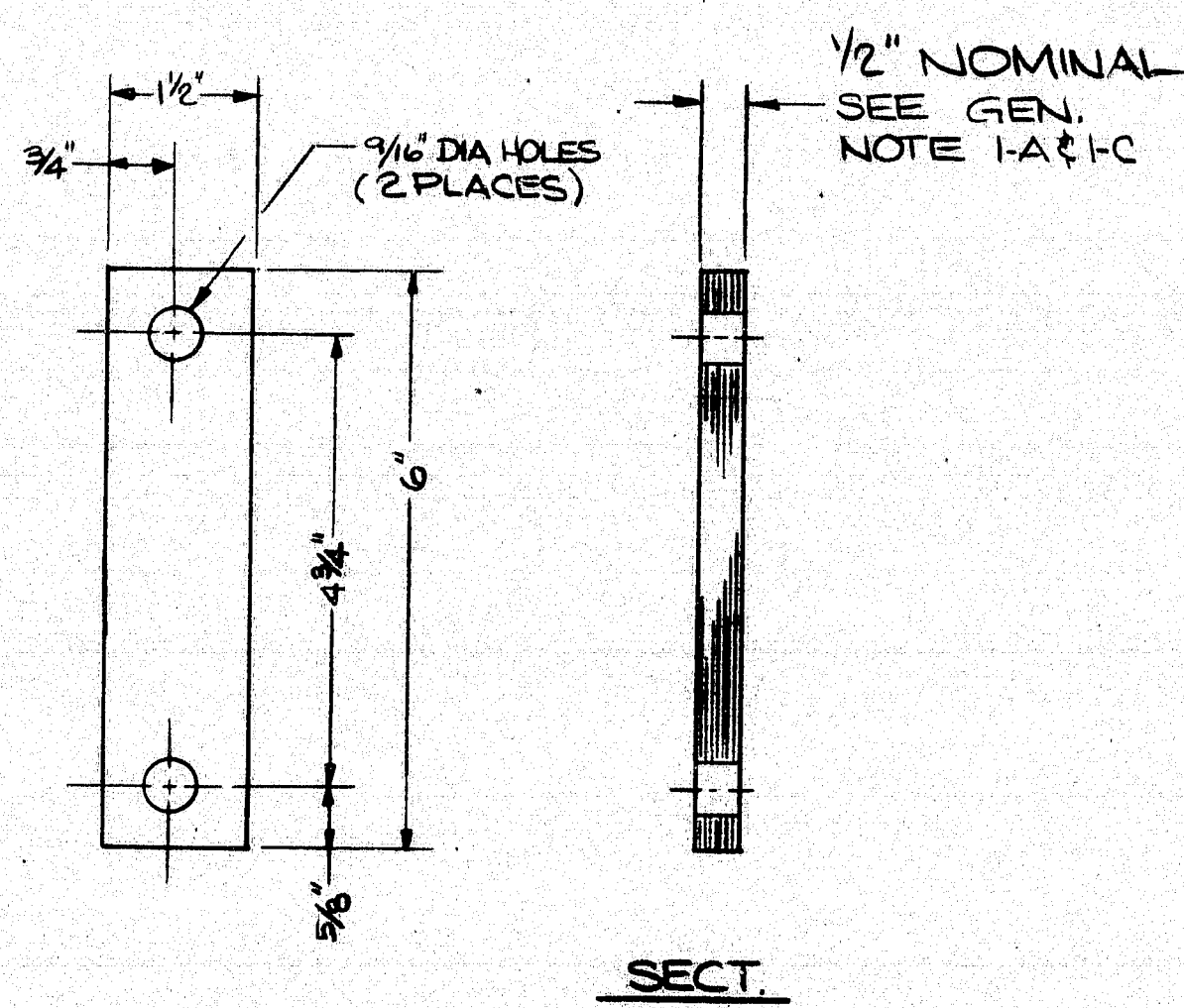
JOHN G. STANFORD, P.E., Consulting Engineer
This document has been prepared for design and project management only and is subject to change without notice. It is not to be used for construction or fabrication without the written approval of the Engineer. The Engineer's responsibility is limited to the design and project management only. The fabricator is responsible for the quality of the work and the safety of the structure. The Engineer's office is located at 114B 3-11-88 J.V. ACTION

99-203

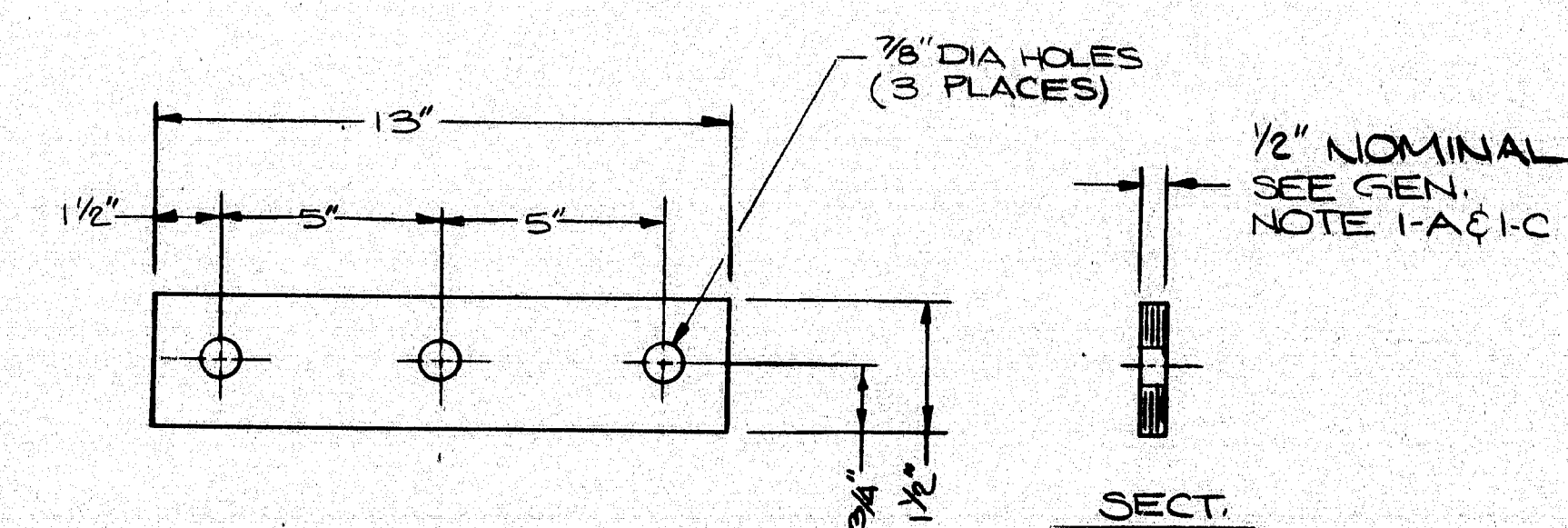
FOURNIER STEEL FABRICATION INC.		SOUTHPORT BRIDGE	
OLD ROUTE 1		SOUTHPORT END WEDGE	
WEST BATH, MAINE		LEVER SHAFT	
(207) 443-6404		DETAIL (PC N ^o A-4)	
		SHEET N ^o 22	



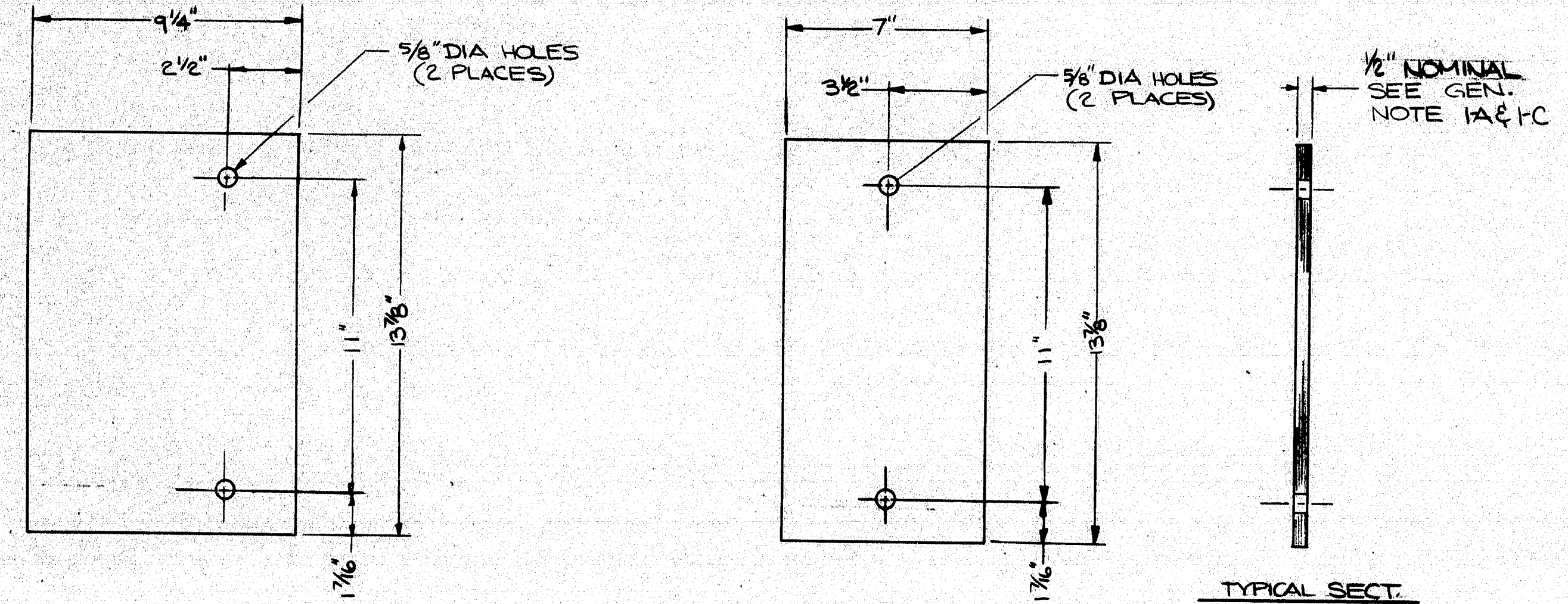
BALANCE WHEEL BEARING SHIM
SCALE: 1/4"=1"
(1 REQD)
MATERIAL: SST TYPE 304



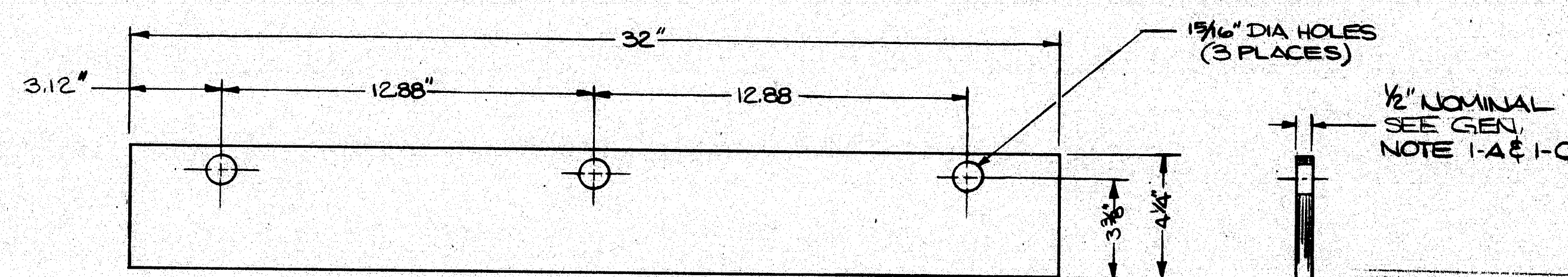
BRAKE BASE SHIM
SCALE: 1/2"=1"
(4 REQD)
MATERIAL: SST TYPE 304



ACTUATOR SUPPORT SHIMS
SCALE: 1/4"=1"
(6 REQD.)
MATERIAL: SST TYPE 304



MOTOR BASE SHIMS
SCALE: 1/4"=1"
(2 SETS EACH REQD.)
MATERIAL: SST TYPE 304



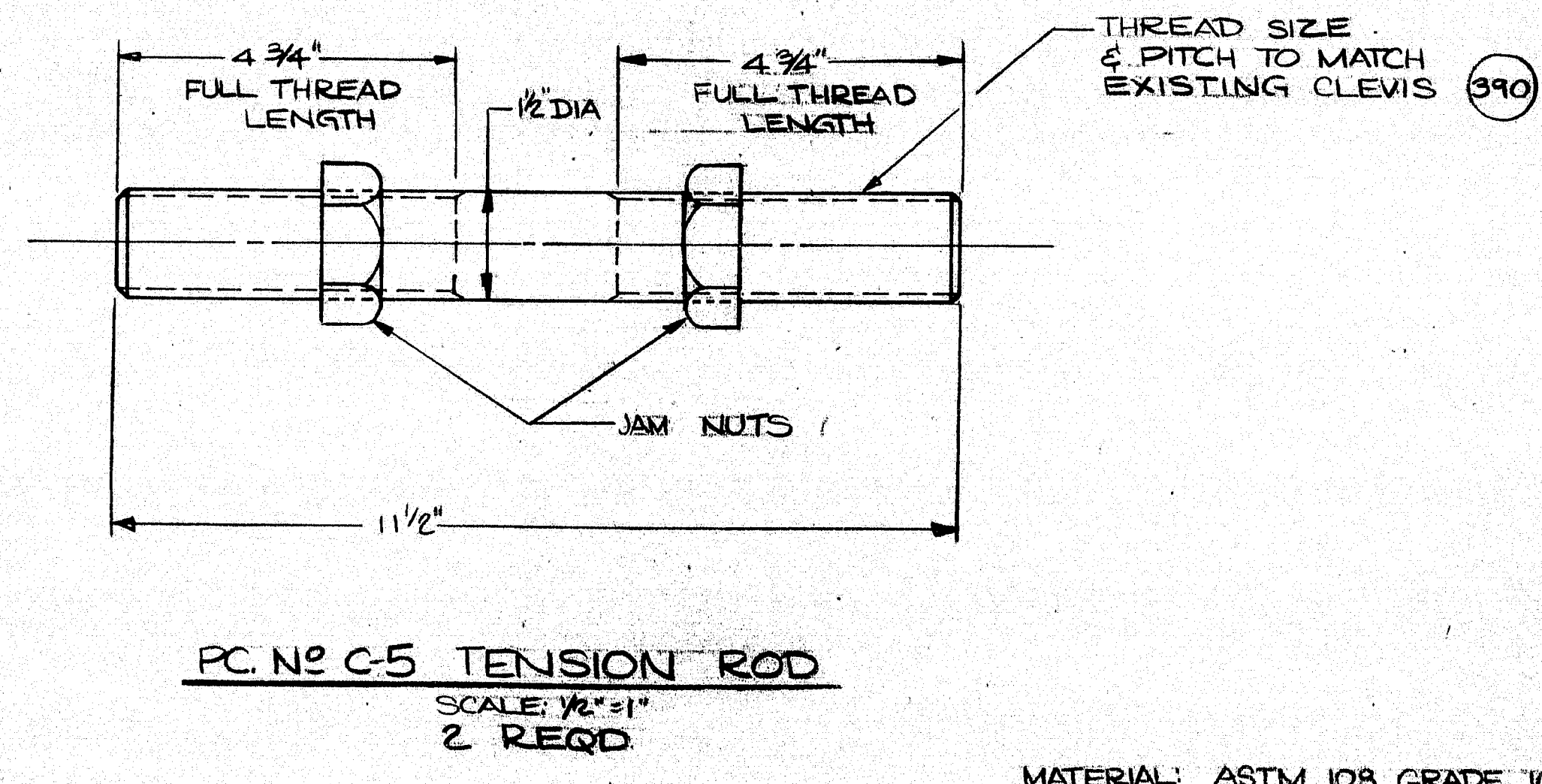
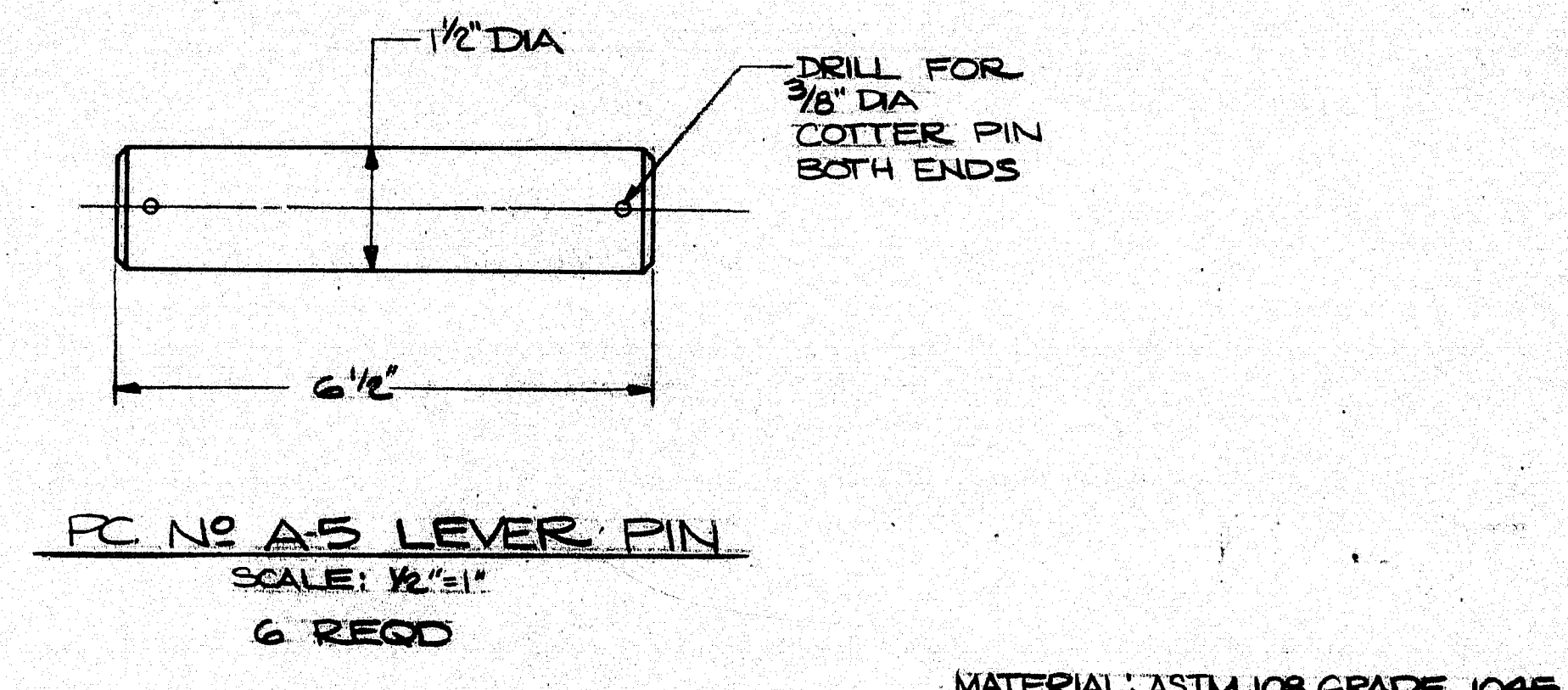
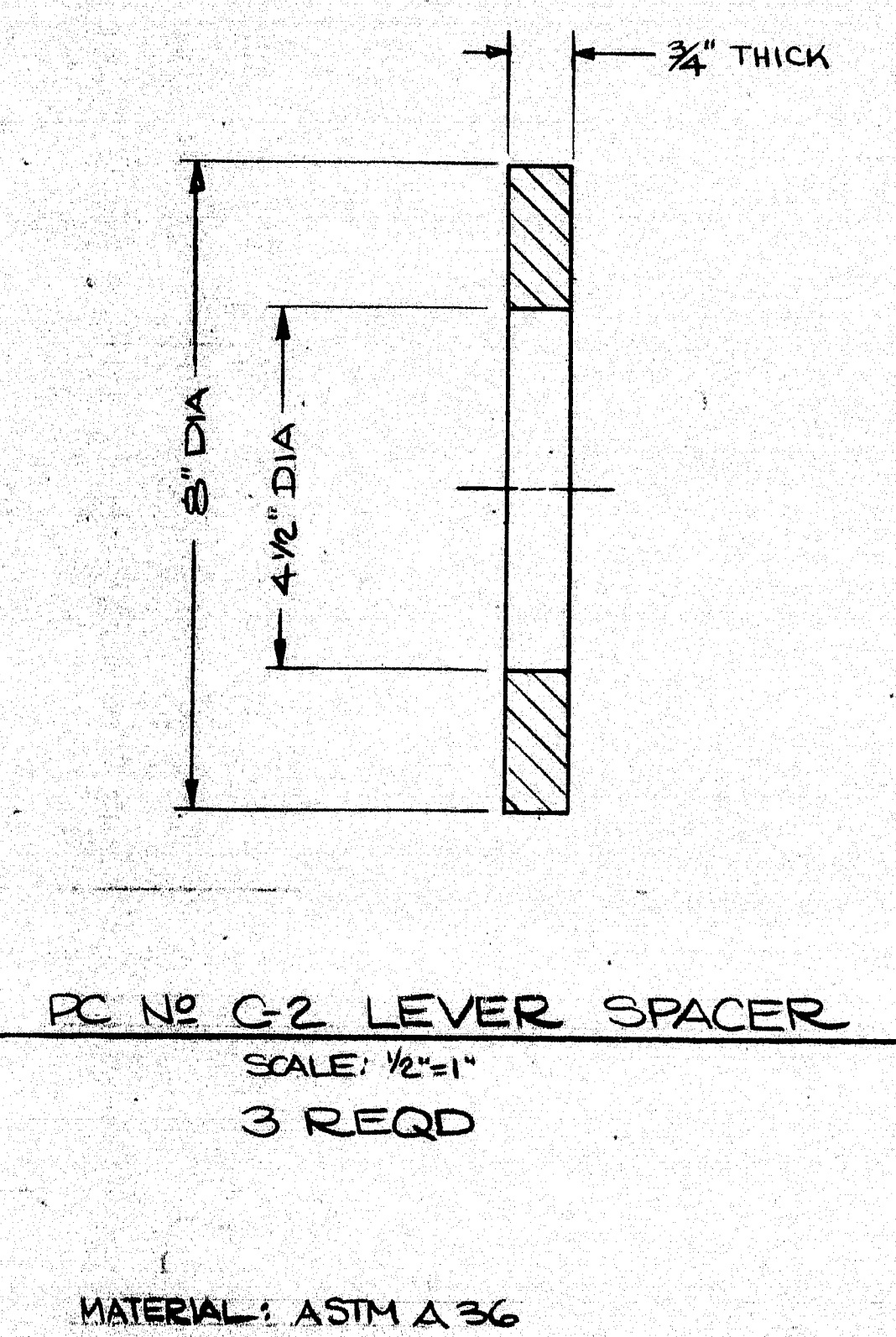
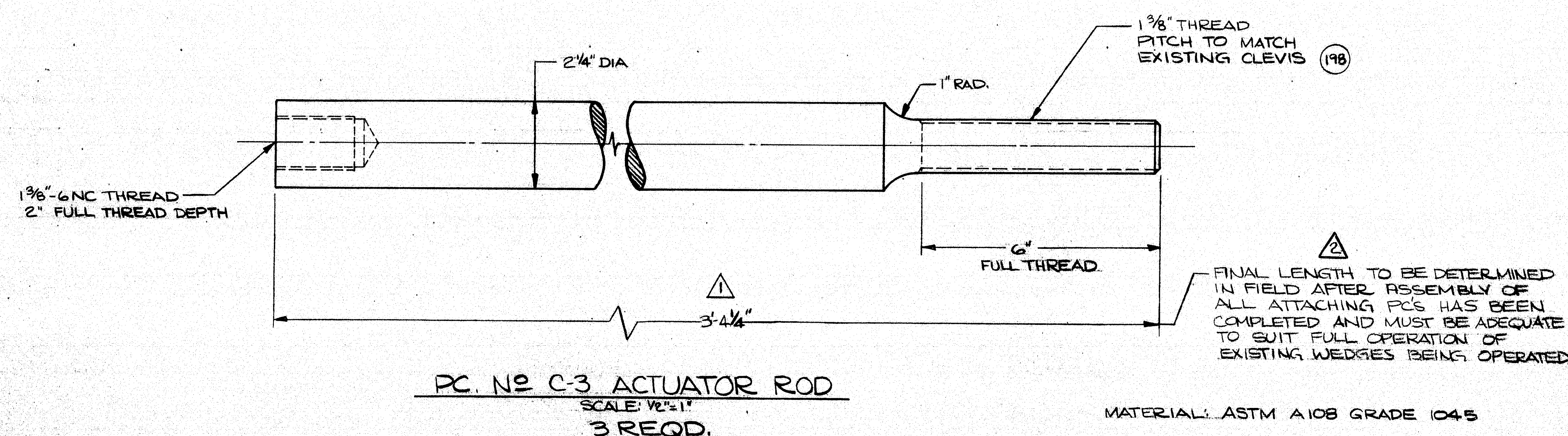
SPEED REDUCER SHIMS
SCALE: 1/4"=1"
(4 REQD)
MATERIAL: SST TYPE 304

- GENERAL NOTE**
- 1 - SHIM THICKNESS TO BE:
 - A - 1/2" THICK
 - B - 1/16" THICK
 - C - SHIM LAMINATIONS (1/2" THICK TOTAL) IN ADDITION TO EITHER 1-A OR 1-B TO BE:
 - 1 @ 10 GA.
 - 2 @ 11 GA.
 - 1 @ 12 GA.
 - 1 @ 14 GA.
 - 1 @ 22 GA.
 - 1 @ 26 GA.

99-204

FOURNIER STEEL FABRICATION INC.
OLD ROUTE 1 WEST BATH, MAINE
(207) 443-6404

1	SPECIFIED THICKNESS	WPH 4-4-87
NR	REVISION	BY DATE
SOUTHPORT BRIDGE		DRAWN: WPH
SHIM STOCK DETAILS		CHECKED:
		DATE: 2-87
		PROJ NO: B100002490
		SHEET NO
		23



WILSON G. STAFFORD, P.E., Consulting Engineer
This document has been prepared for design and general construction only and is subject to change without notice. It is the responsibility of the user to verify all dimensions and quantities before construction. No liability is assumed for any errors or omissions. This document is the property of the engineer and shall not be reproduced without written permission.

11/4/83 B-11-88 J.V.

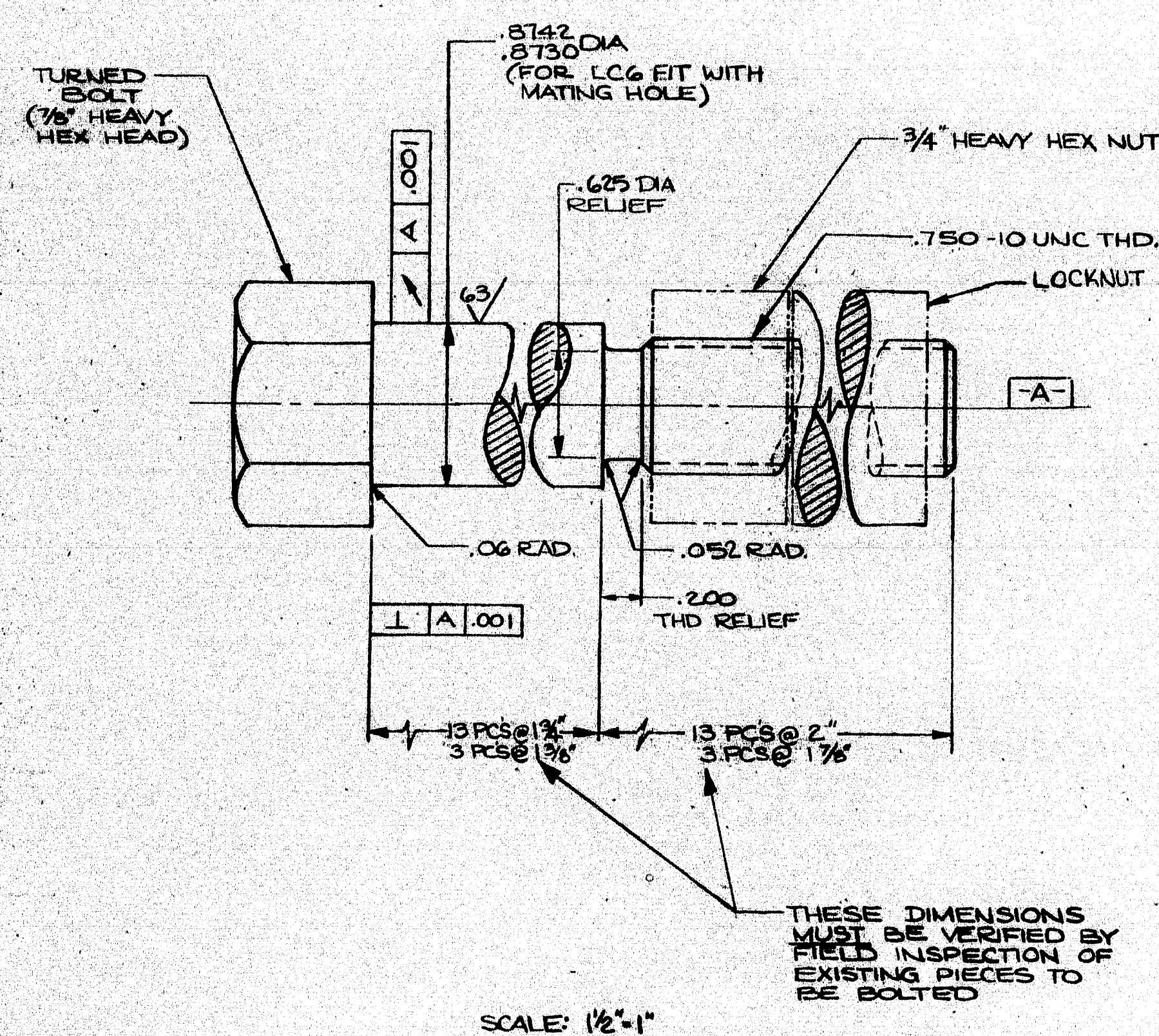
99-205

FOURNIER STEEL FABRICATION INC.
OLD ROUTE 1 WEST BATH, MAINE
(207) 443-6404

3	REMOVED SPEED REDUCER BRS. SHIM INFO.	WPH	4-4-87
2	ADDED NOTE	WPH	4-4-87
1	WAS 3'3 1/4"	WPH	4-4-87
NR	REVISION	BY	DATE
SOUTHPORT BRIDGE		DRAWN LKH	CHECKED
MISC. DETAILS		DATE 3-21-87	PROJECT BRIDGE #1
		SHEET NO	24

MOUNTING BOLT ASSEMBLY REQMTS

BEARING N°	LOCATION & QUANTITY REQD	
	BOOTHBAY END	SOUTHPORT END
200 A	2	
200 B	1	1
201 A	6	2
201 B	2	2



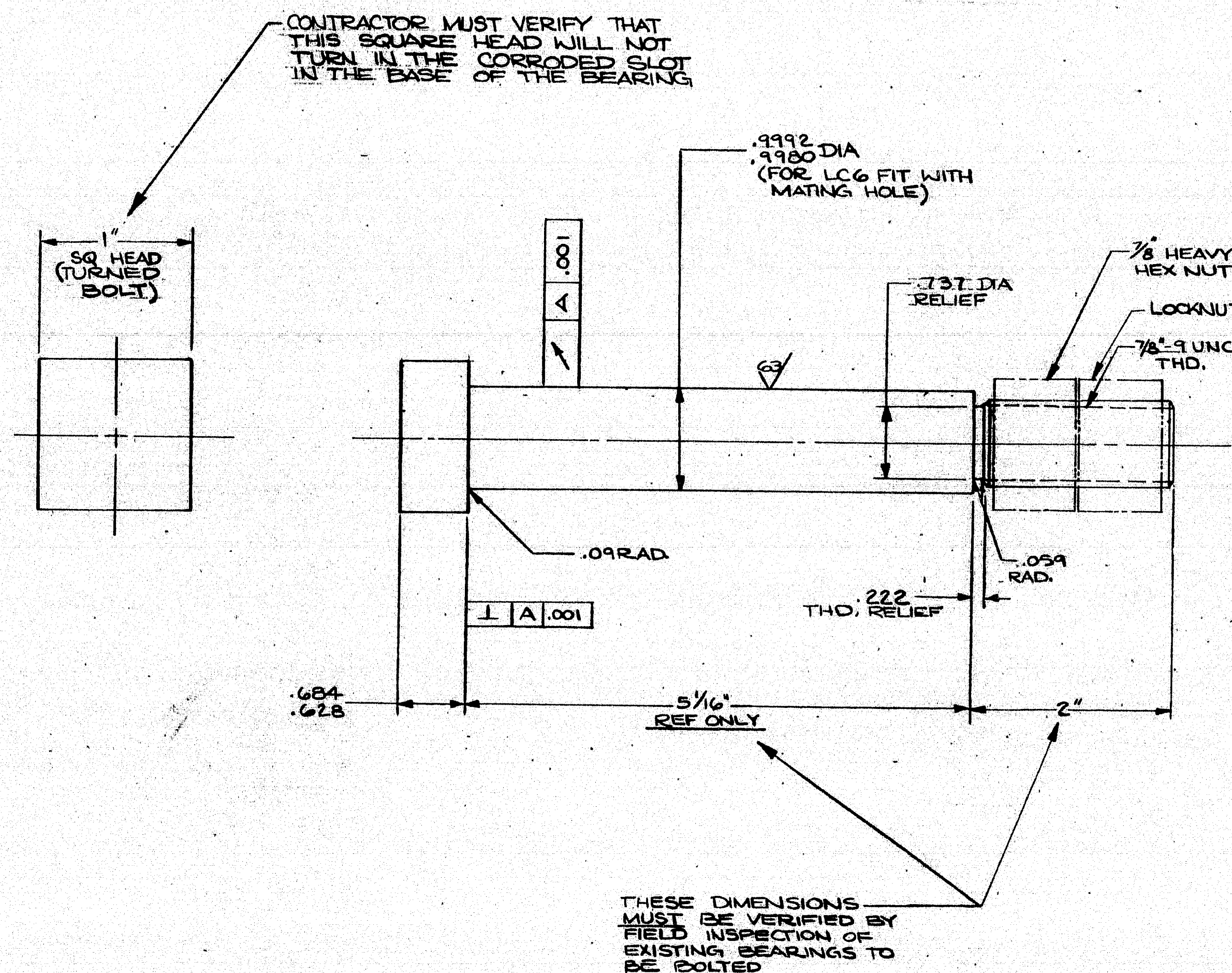
MOUNTING BOLT ASSEMBLY FOR END WEDGE SHAFT ASSY

16 ASSYS REQD: SEE TABLE

MATERIAL: ASTM A 307 GRADE A

BEARING CAP BOLT ASSY & CAP NUT REQMTS

BEARING N°	LOCATION & QUANTITY REQD	
	BOOTHBAY END	SOUTHPORT END
186A	4 ASSYS	
186B	4 NUTS	

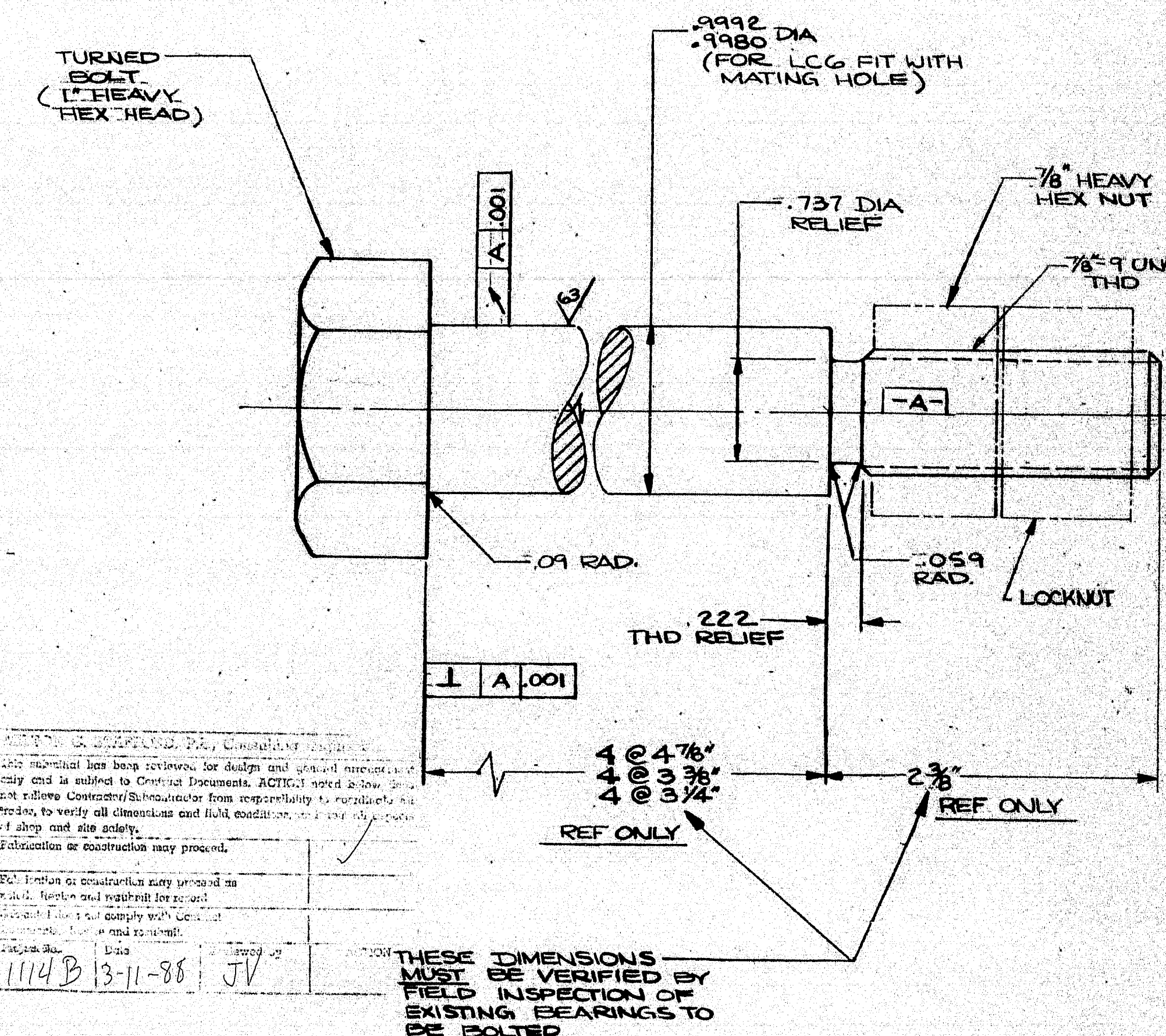


CAP BOLT ASSEMBLY FOR END WEDGE SHAFT BEARING

REQUIRED AMOUNT: SEE TABLE

MATERIAL: ASTM A 307 GRADE A

BEARING N°	LOCATION & QUANTITY REQD	
	BOOTHBAY END	SOUTHPORT END
186A	4	4
186B		4



MOUNTING BOLT FOR END WEDGE SHAFT BEARING

12 ASSYS REQD: SEE TABLE

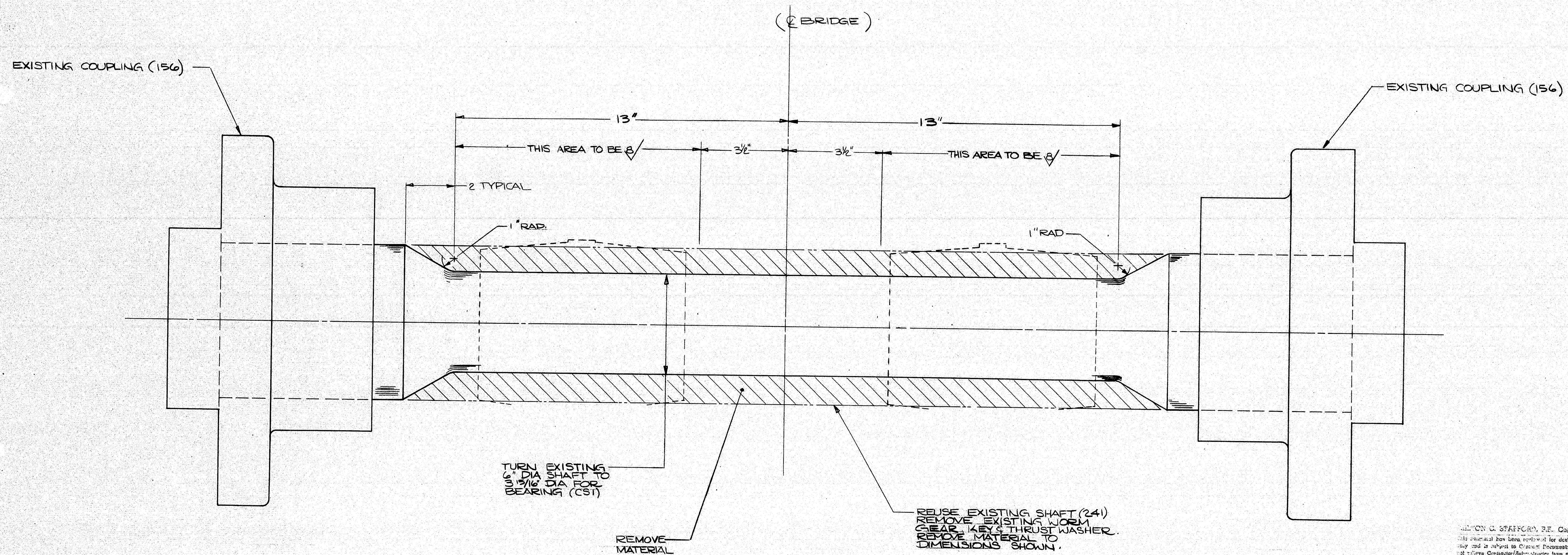
MATERIAL: ASTM A 307 GRADE A

99-206

FOURNIER STEEL FABRICATION INC.

OLD ROUTE 1 WEST BATH, MAINE (207) 443-6404

1	RESUBMITTED	DATE: 6-29-81
NO	REVISION	BY DATE
SOUTHPORT BRIDGE		DRAWN: JWH
END WEDGE SHAFT		CHECKED:
BEARING CAP & MOUNTING		DATE: 3-10-81
BOLTS-DETAILS		ENGINE: BRIDGES (W)
		SHEET NO: 25



SIDE VIEW
SCALE: 1/2"=1"

WILLIAM G. STAFFORD, P.E. Consulting Engineer
This drawing has been prepared for design and construction purposes only and is subject to change without notice. It is the responsibility of the client to verify all dimensions and field conditions. All work shall conform to the latest edition of the American Institute of Steel Construction, Inc. (AISC) Specification for Structural Steel Buildings. The engineer does not warrant the accuracy of the information provided by the client. The engineer's services are limited to the design and construction of the steel structure shown on this drawing. The engineer is not responsible for the design of the foundation or other non-structural elements. The engineer's services are limited to the design and construction of the steel structure shown on this drawing. The engineer is not responsible for the design of the foundation or other non-structural elements.

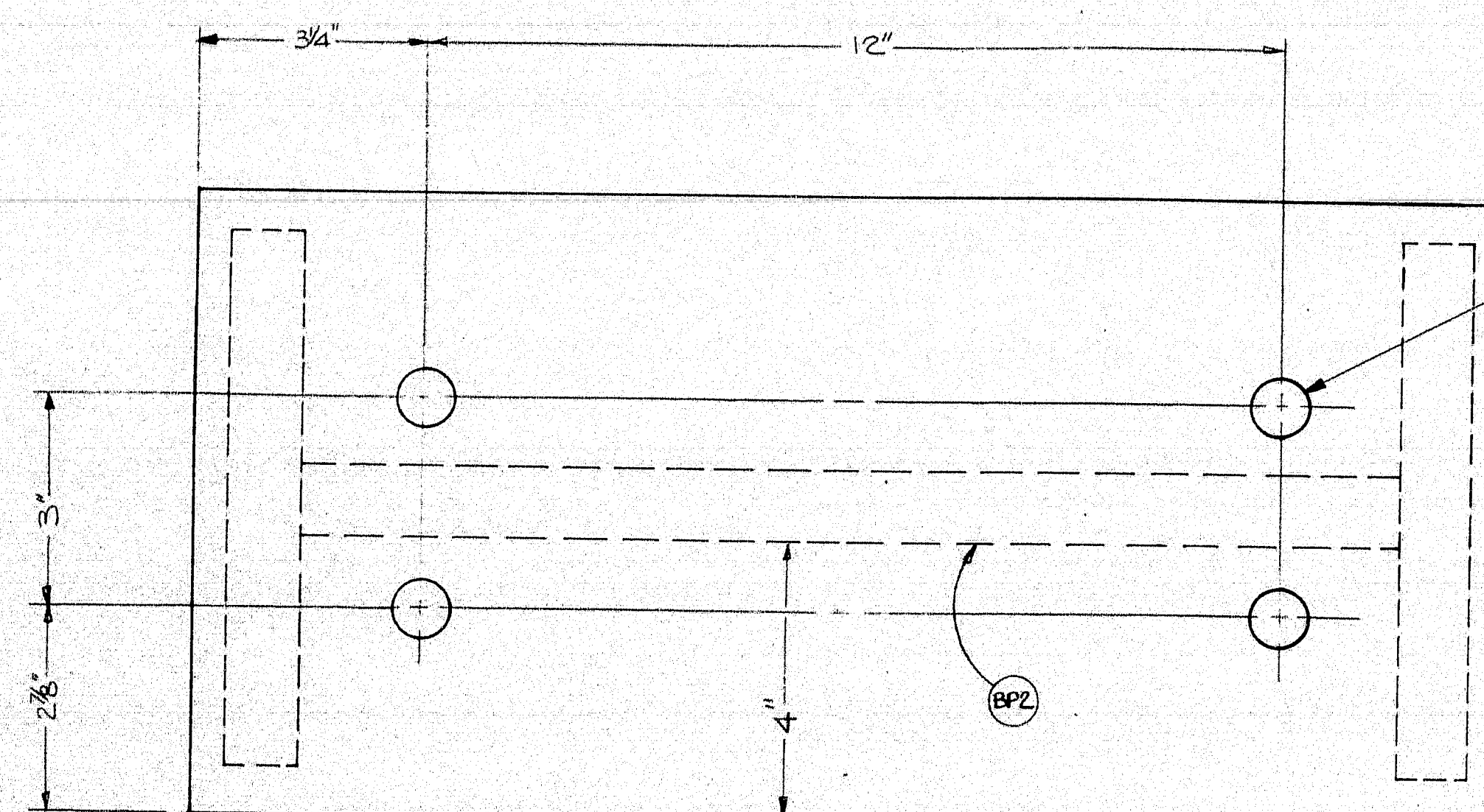
11/14/81 13-11-85 JV

99-208

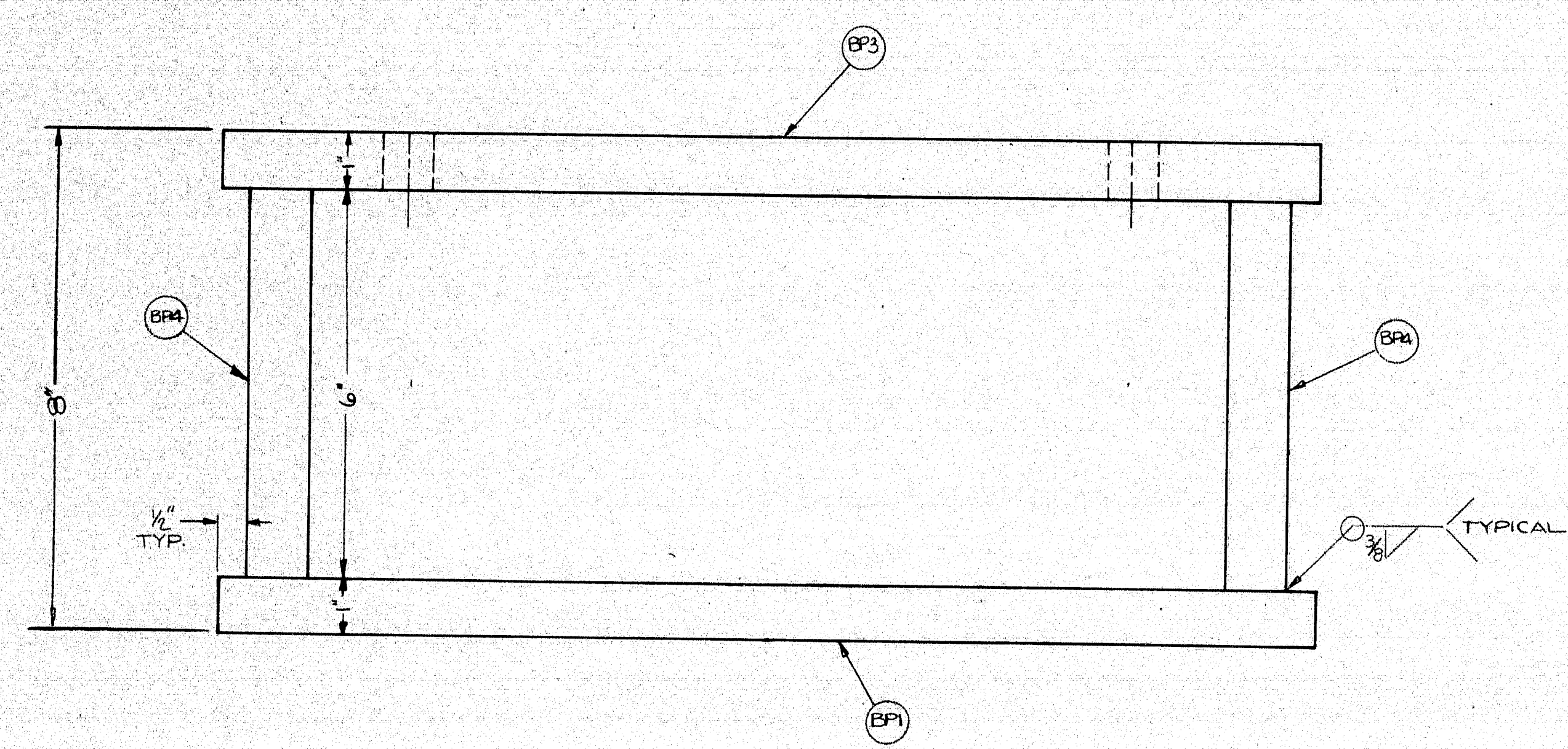
FOURNIER STEEL FABRICATION INC
OLD ROUTE 1 WEST BATH, MAINE
(207) 443-6404

NO	REVISION	BY	DATE
1	SOUTHPORT BRIDGE	DRW: LPH	
2	CENTER CROSS SHAFT	CHEWED	
3	ALTERATION	DATE: 3-24-81	
		REV. BY: BUCKING	
		SHEET NO	27

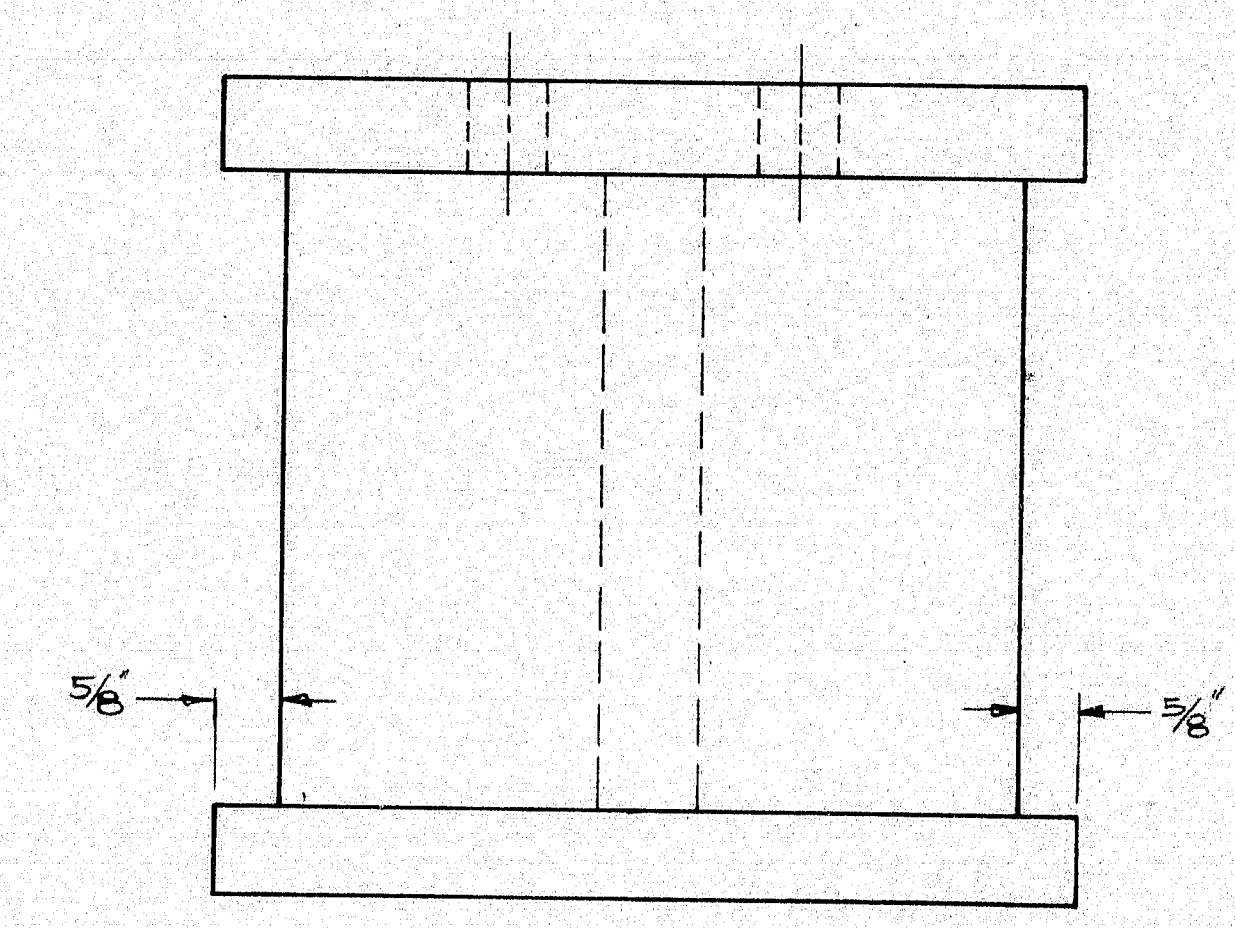
PC NO.	DESCRIPTION	REQD PER ASSY	TOTAL REQD	SIZE
CS5	BEARING PEDESTAL ASSY	2	2	—
BP1	BASE PLATE	1	2	8 3/4" x 10 1/2" x 1" THICK R.
BP2	CENTER WEB	1	2	6" x 15 1/2" x 3/4" THICK R.
BP3	TOP PLATE	1	2	8 3/4" x 10 1/2" x 1" THICK R.
BP4	END PLATE	2	4	7 1/2" x 6" x 1" THICK R.



TOP VIEW



SIDE VIEW PC NO CS5



END VIEW

SCALE: 1/2" = 1"

MAKE FROM ASTM A-36 R.

99-209

FOURNIER STEEL FABRICATION INC.
OLD ROUTE 1 WEST BATH, MAINE
(207) 443-6404

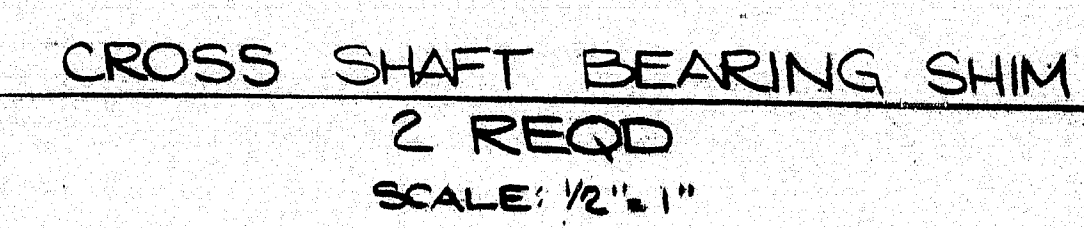
AULTON C. STAFFORD, P.E., Consulting Engineer
This submittal has been reviewed for design and construction details and is subject to the Client's approval. The Engineer's approval is not a guarantee of the accuracy of the information provided by the fabricator. The Engineer's approval is based on the information provided by the fabricator and is not a guarantee of the accuracy of the information provided by the fabricator. The Engineer's approval is based on the information provided by the fabricator and is not a guarantee of the accuracy of the information provided by the fabricator.

NO.	REVISION	BY	DATE
1	SOUTHPORT BRIDGE	DESIGNED BY	
2	CHECKED BY	DATE: 3-29-87	
3	PROJ. ENG. BY	PROJ. ENG. BY	
4	SHEET NO.	28	



BEARING STOP RE PC NO CS4
4 REQD,
SCALE: FULL

MATERIAL: ASTM A 36



MATERIAL: SST TYPE 304

99-210

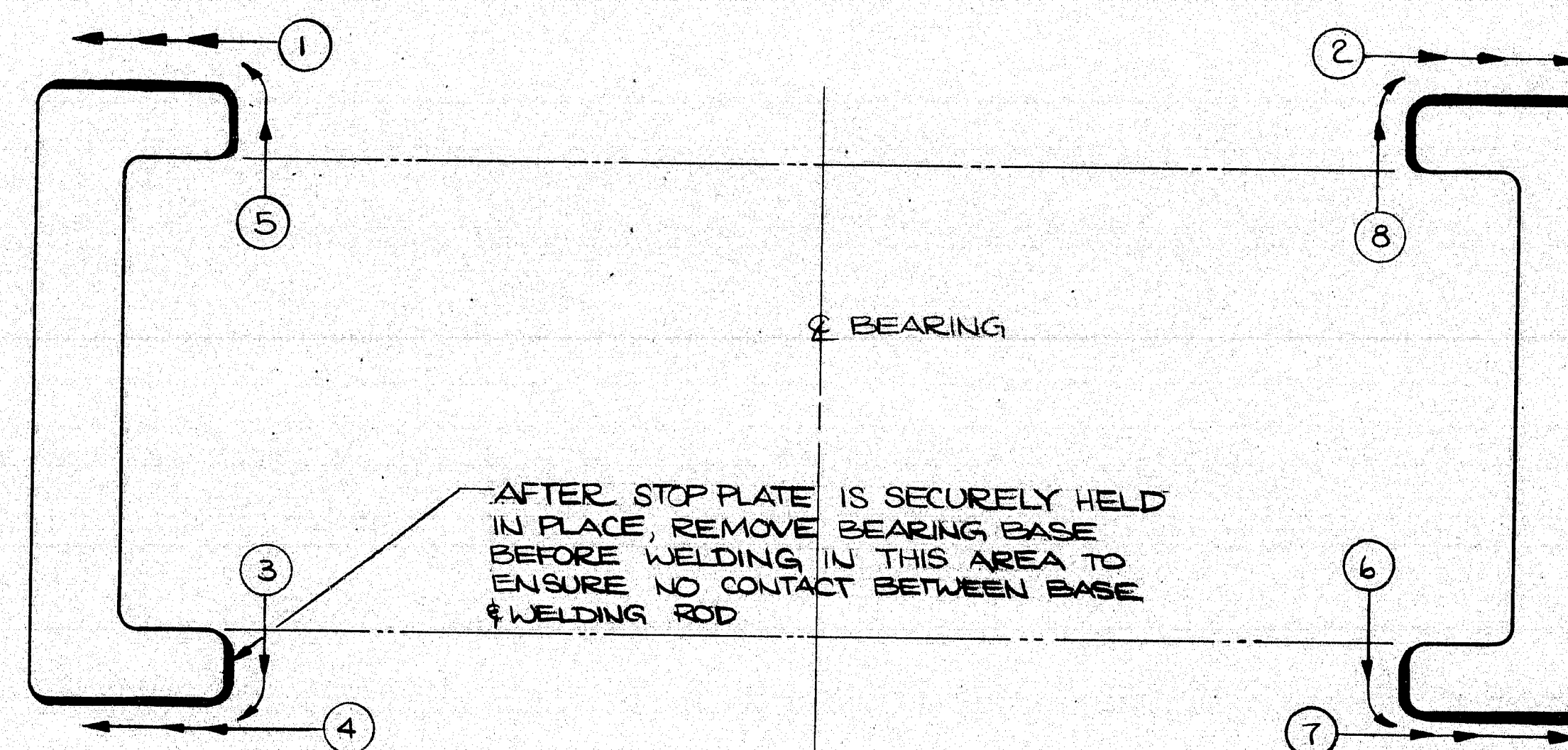
FOURNIER STEEL FABRICATION INC.

OLD ROUTE 1

WEST BATH, MAINE
(207) 443-6404

Nº	REVISION	BY DATE
SOUTHPORT BRIDGE		DRAWN: WPH CHECKED:
CENTER CROSS SHAFT BEARING END STOP & BEARING SHIM		DATE: 3-24-87 PROJ. NO. E80022-01 SHEET Nº 29

MATERIAL: ASTM A-36



ELEVATION
SCALE: NONE

NOTES

- 1- ^{3/8"}WELD REQUIRED - 1 DOWN, 2 OVER
CONTINUE SAMED PROCEDURE FOR ALL
PASSES (SEE SEQUENCE)
- 2- BEARING STOP PLATES TO BE WELDED
IN A VERTICAL PLANE.
- 3- AFTER BEARING IS IN PLACE AND ALL
ADJUSTMENTS AND WELDING IS COMPLETED,
WATERPROOF CAULKING MUST BE USED TO
FILL ANY AREAS THAT ARE NOT SEALED
WITH THE WELDS - INCLUDING
THE SLOTTED BOLT HOLES.

LEGEND

(No) = WELD SEQUENCE
 → = DIRECTION OF PASS
 ■ = WELD

MILTON C. STAFFORD, P.E., Consulting Engineer

This instrument has been reviewed for design and general engineering only and is subject to Contract Documents. Engineer accepts design of work and construction/subcontractors from responsibility to construction of shop, to quality of materials and field conditions, and from cost of labor, to site safety.

Fabrication or construction: ☐ ☒ as they proceed.

Fabrication or construction may proceed as noted. Review and consent for record.

Submitted does not comply with Contract Documents, Design and treatment.

Project No. 1114 B Date 3-11-88 Issued by J.W. RECEIVED

99-211

FOURNIER STEEL FABRICATION INC.

OLD ROUTE 1

WEST BATH, MAINE
(207) 443-6404

RESUBMITTED		W/1	7-6-87
NO	REVISION.	BY	DATE
SOUTHPORT BRIDGE		DRAWING WITH	
SPEED REDUCER SHAFT BEARING STOP FB'S - PROPOSAL -		CHECKED:	
		DATE: 3-17-87	
		PROD. IN 000005(A4)	
		SHEET NO	
		P-2	