



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555

August 3, 1992

Docket No. 50-251

LICENSEE: Florida Power and Light Company (FPL)
FACILITY: Turkey Point Unit 4
SUBJECT: SUMMARY OF A MEETING BETWEEN FPL AND NRR STAFF

On July 9, 1992, FPL representatives met with the NRR staff to discuss the details of a relief request for a temporary non-Code repair consisting of an engineered mechanical clamp secured on a leaking elbow of a main steam drain line in Turkey Point Unit 4. Enclosure 1 is the list of attendees.

The licensee stated that on June 16, 1992, a small steam leak was discovered on a 1/2" main steam drain line on the 4A steam header, upstream of the main steam isolation valve. The through-wall pinhole located at the toe of the weld on a pipe elbow in the drain line is unisolable and is subjected to full steam header pressure during plant operation. Therefore, a Code repair cannot be performed without bringing the plant to a cold shutdown.

The licensee proposed a temporary non-Code repair which would be located on the 1/2" drain line and would consist of an engineered mechanical clamp designed to maintain the pressure and structural integrity of the steam drain piping system during operating conditions (1085 psig at 600 degrees Fahrenheit design). The repair would require no welding or forging and would be installed during power operation.

The staff recommended that the licensee develop adequate procedures for installation of the clamp such that the clamp design will not impose adverse loadings on the pipe and to minimize hazards to plant personnel.

The licensee stated that after the repair is made a Systems Engineer will visually inspect the clamp area once each day in addition to the routine operations personnel walkdown once each shift. The licensee committed to a permanent Code repair at the next cold shutdown, and no later than the next refueling outage scheduled to begin on March 1, 1993.

NRC FILE CENTER COPY

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PDR ADOCK 05000251
PDR

Manning
EJL
DF01

820007

August 3, 1992

The licensee agreed to supplement the relief request with the agreements made at the meeting.

Enclosure 2 is the licensee's handouts at the meeting.

(Original Signed By)

L. Raghavan, Acting Project Manager
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

- 1. List of attendees
- 2. Handouts

cc w/enclosures:
See next page

DISTRIBUTION

Docket File
NRC & Local PDRs
PDII-2 RF
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E. Jordan, MNBB, 3701

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M. Hartzman
T. Chan
W. Bateman
R. Hermann
M. Sinkule, RII
OGC
ACRS (10)
J. Wechselberger, 17-G-21
J. Taylor, 17-G-21

OFFICE	LA: PDII-2	PM: PDII-2	(A) PM: PDII-2	D: PDII-2	
NAME	D Miller	N Stinson	LRaghavan: kdj	HBerkow	
DATE	7/29/92	8/13/92	7/31/92	8/13/92	

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Florida Power and Light Company

Turkey Point Plant

cc:

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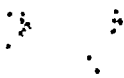
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Mr. J. H. Goldberg
President - Nuclear Division
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LIST OF ATTENDEES
FPL & NRC MEETING
JULY 9, 1992

<u>NAME</u>	<u>ORGANIZATION</u>
L. Raghavan	Project Manager, NRR
M. Hartzman	NRR/DET/EMEB
G. Salamon	FPL, Turkey Point Licensing
R. Kundalkar	FPL, Project Eng. Manager
B. Dunn	FPL, Site Mech. Eng. Supervisor
M. Moran	FPL, Plg. Mech. Eng. Supervisor
N. Stinson	NRR/PDII-2
T. Luke	FPL, Chief Mech. Eng.
H. Berkow	NRR/PDII-2
T. Chan	NRR/DET/EMEB
W. Bateman	NRR/DET/EMCB
R. Hermann	NRR/DET/EMCB





FLORIDA POWER AND LIGHT COMPANY

TURKEY POINT UNIT 4

RELIEF REQUEST FOR TEMPORARY LEAK REPAIR

ON MAIN STEAM DRAIN LINE

JULY 9, 1992

AGENDA

- **INTRODUCTION** **G. SALAMON**

- **BACKGROUND** **R.S. KUNDALKAR**

- **PHYSICAL DESCRIPTION** **M.F. MORAN**

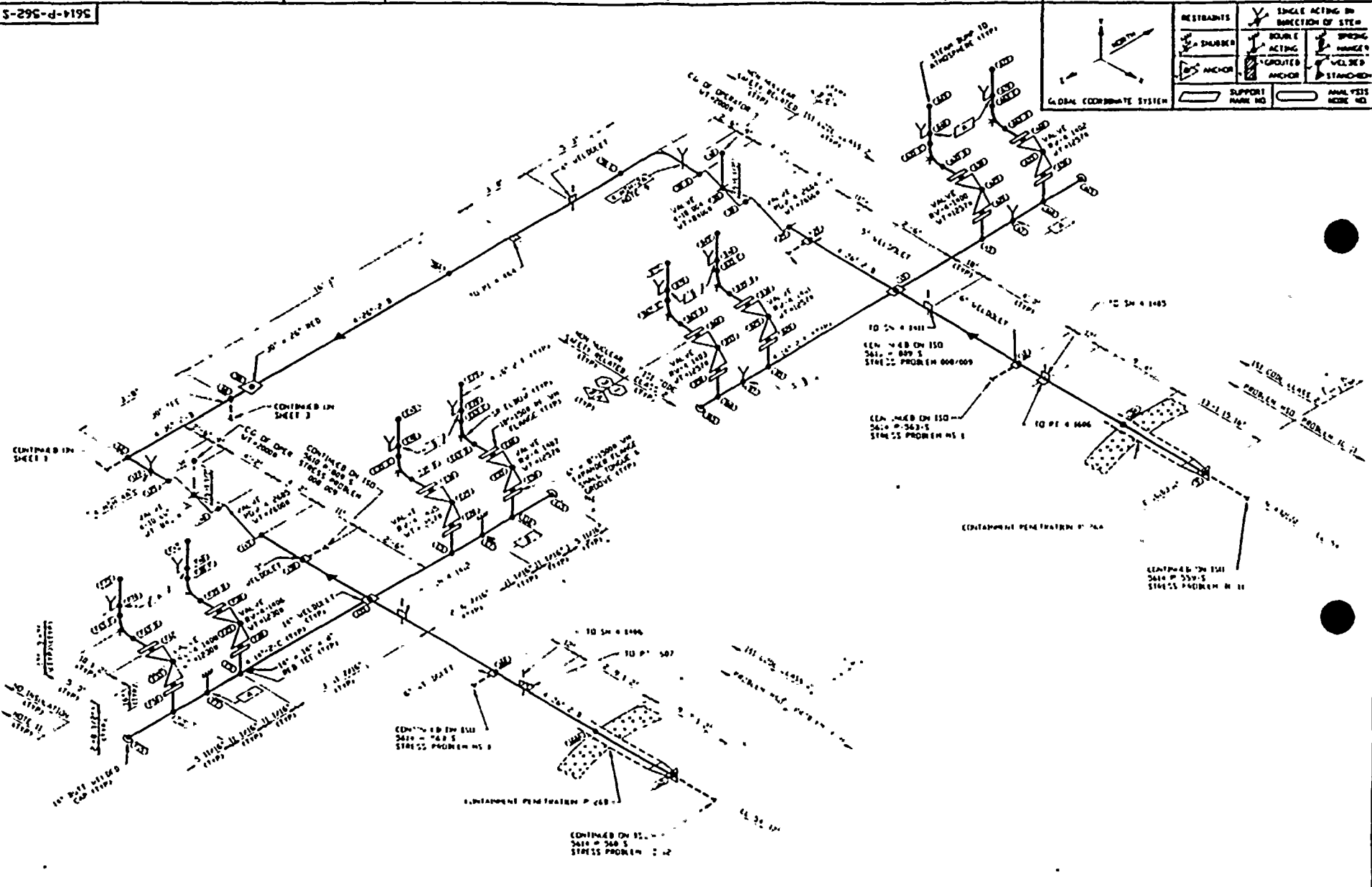
- **EVALUATION METHODOLOGY** **M.F. MORAN**

- **QUESTIONS AND ANSWERS**

5614-P-562-S

RESTRAINTS		SINGLE ACTING IN DIRECTION OF STEAM	
	SHAKEN		SOURCE ACTING
	ANCHOR		GROUTED ANCHOR
	SUPPORT NAME NO.		ANALYSIS CODE NO.

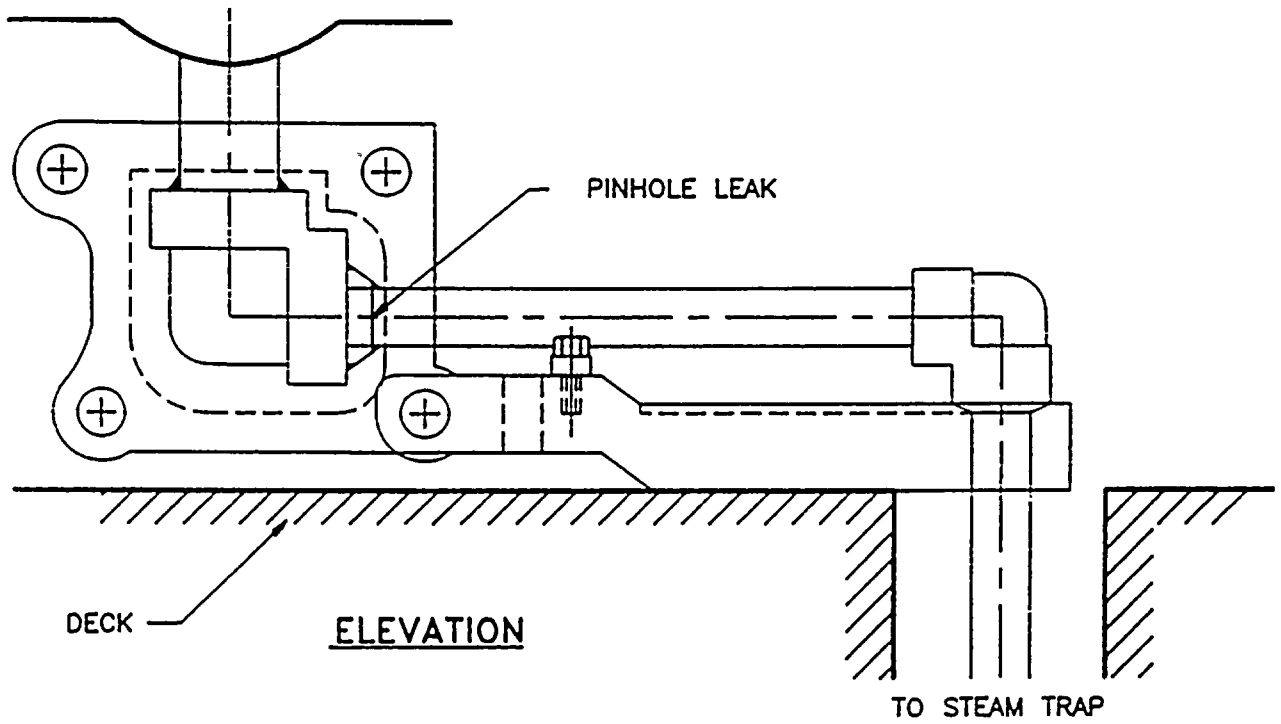
GLOBAL COORDINATE SYSTEM



DATE		SCALE		TURKEY POINT NUCLEAR POWER PLANT UNIT 4		TELETYPE ENGINEERING SERVICES	
FPL		BY: [Signature]		MAIN STEAM SYSTEM		SHEET 2 OF 6	
APPROVED: [Signature]		CHECKED: [Signature]		SYSTEM NO. 72 OUTSIDE CONTAINMENT		5614-P-562-S	
				STRESS PROBLEM NO. 50		REV. NO. 0	

MS FLOW

4A MSIV



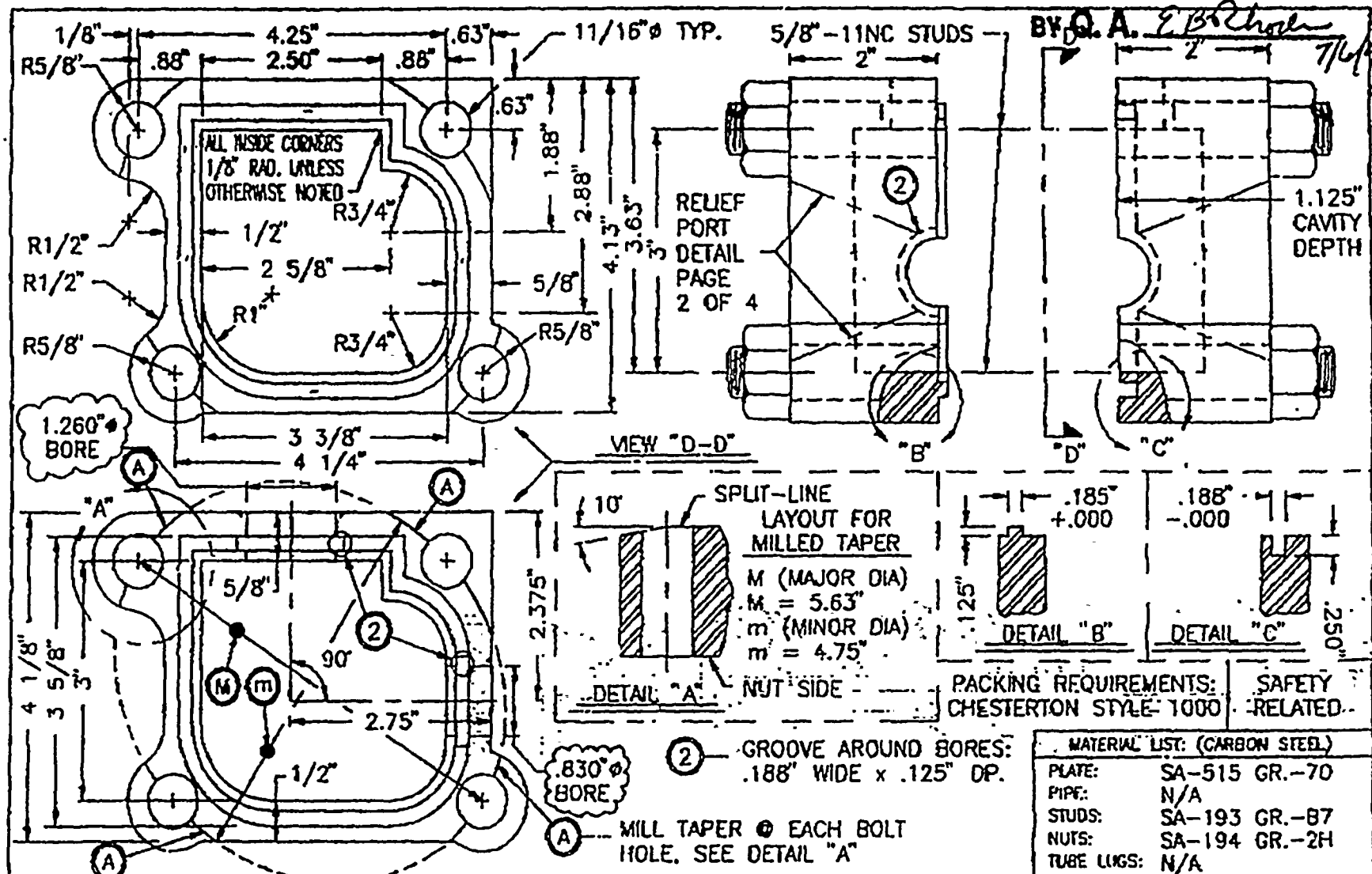
EVALUATION METHODOLOGY

- **ORIGINAL DESIGN**
 - * **PIPING ASA B31.1, 1955**
 - * **VESSELS ASME SECTION VIII**

- **CLAMP DESIGN**
 - * **PROVEN FIELD DESIGN**
 - * **ASME SECTION VIII**
 - * **CONSIDERS THROUGH WALL FLAW IN DESIGN**

- **IMPACT ON EXISTING PIPING**
 - * **TEMPORARY CONDITION**
 - * **LOCAL MODEL**

BY *Q. A. E. B. Chalmers* 7/6/92



MATERIAL LIST: (CARBON STEEL)	
PLATE:	SA-515 GR.-70
PIPE:	N/A
STUDS:	SA-193 GR.-B7
NUTS:	SA-194 GR.-2H
TUBE LUGS:	N/A

	TOLERANCES UNLESS OTHERWISE SHOWN		THIS DRAWING IS THE PROPERTY OF FURMANITE ENGINEERING AND MUST NOT BE USED OR COPIED WITHOUT THE EXPRESS WRITTEN PERMISSION OF A COMPANY OFFICER.
	X.X (1 DECIMAL) ±0.100		
X.XX (2 DECIMAL) ±0.020			
X.XXX (3 DECIMAL) ±0.005			
FRACTIONAL ± 1/16			
DRAWN BY: <i>JWD</i> 7-6-92	CONTENT: STEAM	PSI: 1085	TEMP: 600°F
CHECKED BY: <i>SAH</i> 7/6/92	TECHNICIAN: STEVE SHIELDS		
APPROVED BY: <i>QAC</i> 7-6-92	SHIPPING: MIAMI, FLA.	MFR: F.E.M	

FURMANITE		ENGINEERING GROUP	
		HOUSTON, TEXAS, USA	
		OFFICE (713) 478-5946 FAX (713) 478-5704	
CUSTOMER: FLORIDA POWER & LIGHT TURKEY POINT			
JOB NO: EL-2080	OPC NO: SE-92941B	ED NO: 922101	REV: 1
SIZE: 1" SW90	DATE: 7/4/92	RECD: APPV	SHEET: 1/4

JUL- 6-92 MON 8:58 FAX NO. 7134785204 FURMANITE ENGINEERING P. 05

JUL- 6-92 MON 8:38 FURMANITE AMERICA, INC. FAX NO. 8044271942 P. 05

REVIEWED AND APPROVED

BY G.A. *EB Clark*

NOTES:

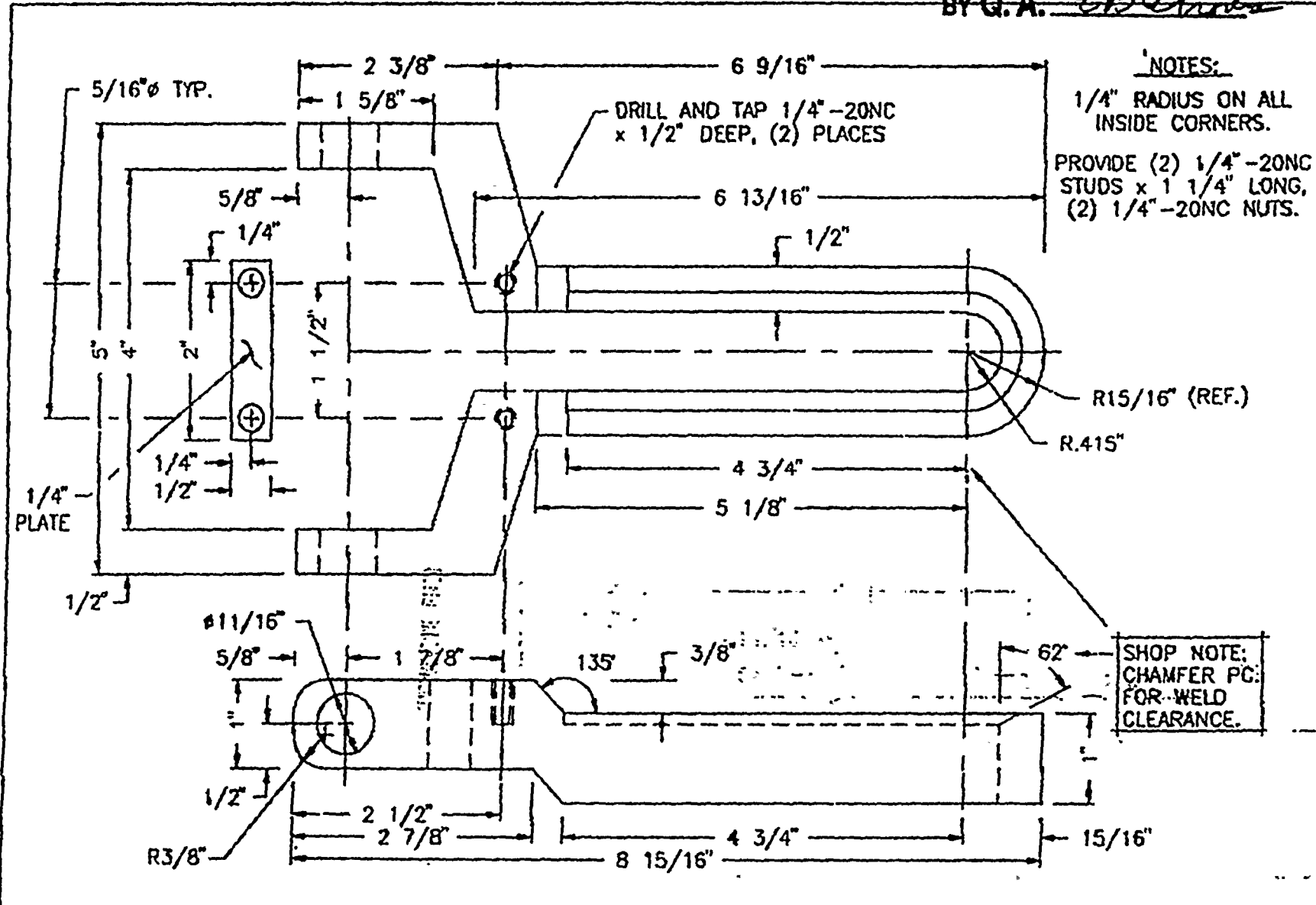
1/4" RADIUS ON ALL INSIDE CORNERS.

PROVIDE (2) 1/4"-20NC STUDS x 1 1/4" LONG, (2) 1/4"-20NC NUTS.

R15/16" (REF.)

R.415"

SHOP NOTE:
CHAMFER PC.
FOR WELD
CLEARANCE.



MATERIAL LIST: (CARBON STEEL)

PLATE:	SA-516 GR.-70
PIPE:	N/A
STUDS:	SA-193 GR.-B7
NUTS:	SA-194 GR.-2H
TUBE LUGS:	N/A

DRAWN BY: <i>EMD 7-6-92</i>	JOB NO EL-2080	DWG NO SE-929418	ED NO 922101	REV 1
CHECKED BY: <i>ME 7-6-92</i>	SIZE 1" SW90	DATE 7/4/92	RECD APPV APPV	SHEET 3/4

FAX NO. 7139705204

FURHANTE ENGINEERING

JUL - 6-92 MON 8:58

JUL - 6-92 MON 8:40

FURHANTE AMERICA, INC.

FAX NO. 8044271942

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