

*Central File*  
50-269

DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

WILLIAM O. PARKER, JR.  
VICE PRESIDENT  
STEAM PRODUCTION

February 18, 1980

TELEPHONE AREA 704  
373-4083

30 FEB 25 1980  
AIO: 42

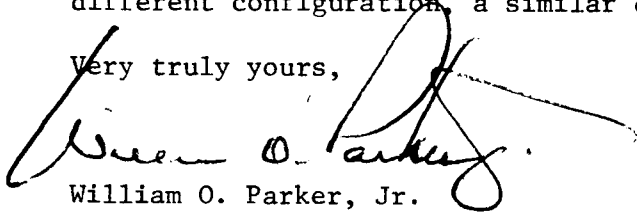
Mr. James P. O'Reilly, Director  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Suite 3100  
Atlanta, GA 30303

Re: Oconee Unit 1  
Docket No. 50-269

Dear Mr. O'Reilly:

During the inspection of Oconee 1 conducted in response to IE Bulletin 79-13, several indications of cracking in the auxiliary feedwater nozzle thermal sleeves were discovered. Similar cracking in thermal sleeves for Oconee 1 and 2 had been observed in 1976 and 1977, and the cracks were weld repaired at that time. The primary concern is that cracking at the location identified on Figure 1 could allow separation of the thermal sleeve and collar. The possibility could then exist for the sleeve to impact on steam generator tubes. In order to assure that no damage could occur, the decision was made to repair the cracks using a revised welding technique. However, in order to provide further assurance that the thermal sleeve would not be free to move even if the collar failed, retaining wires were added to all sleeves, as shown by Figure 2. The Oconee 1 auxiliary feedwater nozzles have been modified in this manner. The Oconee 2 nozzles will be similarly modified during the upcoming refueling outage. Since the Oconee 3 auxiliary feedwater nozzles are of a different configuration, a similar concern does not exist for that unit.

Very truly yours,



William O. Parker, Jr.

SRL/sch  
Attachments



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*for*

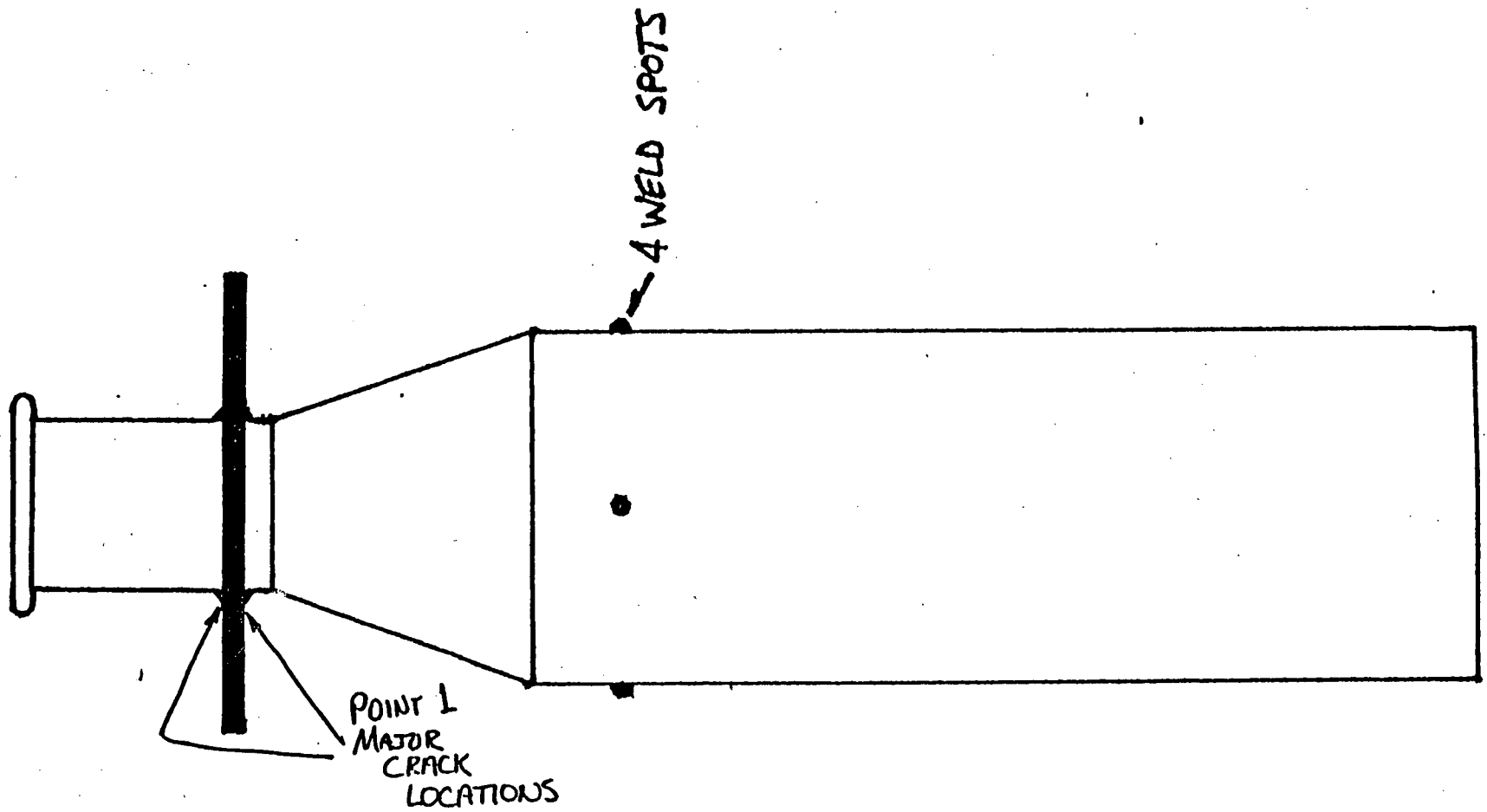
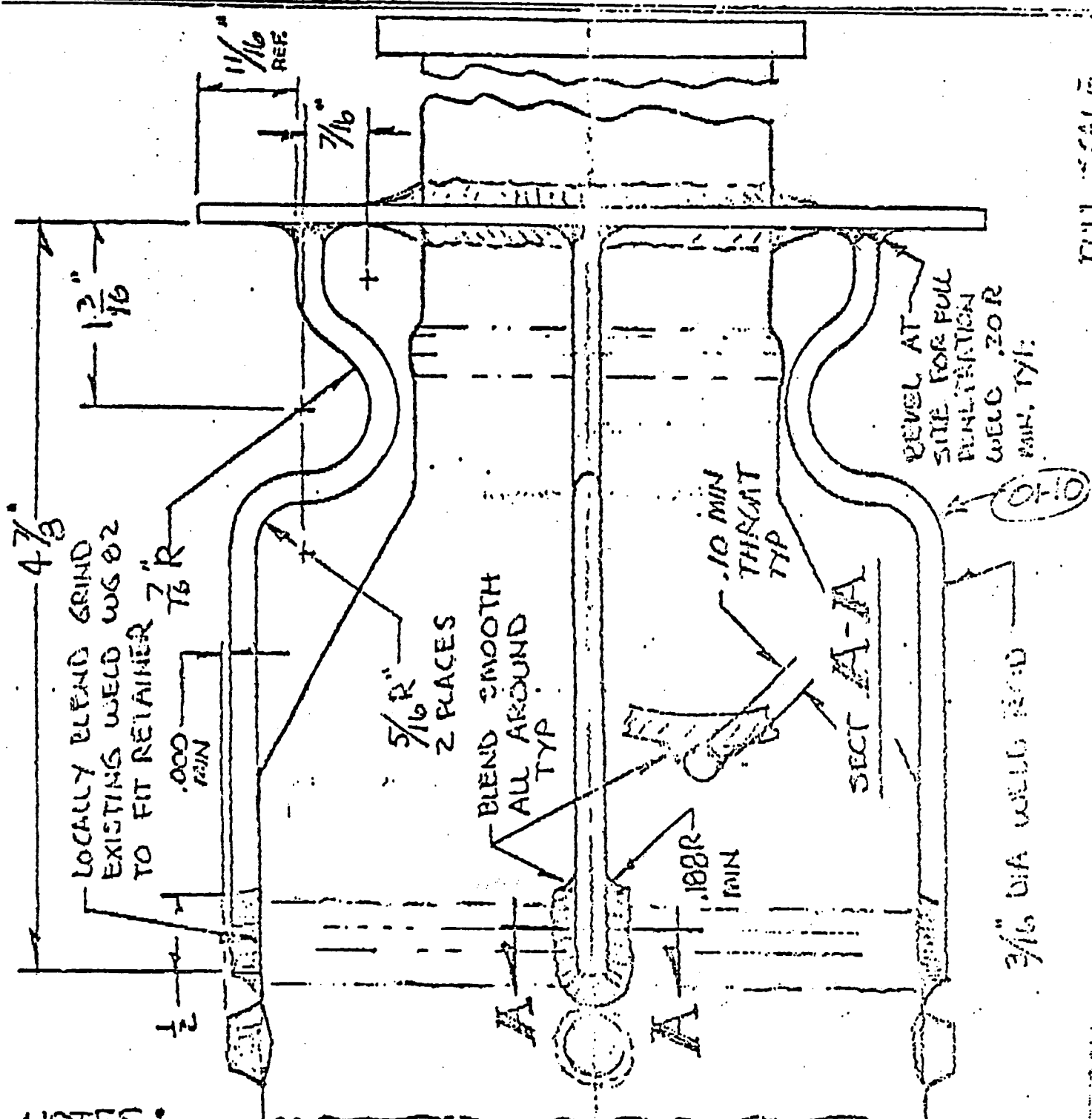


Figure 1



FULL SCALE

NOTES:

MATERIAL TO BE 3/16" DIA. RIMMED STEEL CORE WIRE. THE PARTS SHALL BE HEAT TREATED AS REQUIRED TO MEET THE STRENGTH REQUIREMENTS AFTER FORMING. A CERTIFICATE OF TEST SHALL BE SUPPLIED TO SHOW THE MATERIAL MEETS A 30 KSI MIN. YIELD STRENGTH AT 600°F AND 60 KSI MIN. ULTIMATE STRENGTH AT 600°F. MATERIAL CERTIFICATION APPLIES TO MATERIAL IN THE FORMED, HEAT TREATED, AND WELDED CONDITION. THE PARTS SHALL BE CLEANED SUITABLE FOR PT INSPECTION AND EXAMINED AFTER THE FINAL FORMING AND HEAT TREATMENT.

REV 02

DEBROCK & MILCOX

DEPARTMENT: OTSG UNIT

DATE: 1-19-80

BY: CUC