

CATEGORY 1

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BEMIS,P.R. Washington Public Power Supply System
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SUBJECT: Provides info re intended scope & methodology of core shroud
& insp,per GL 94-03, "Intergranular Stress Corrosion
Cracking of Core Shrouds in BWRs."

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

P.O. Box 968 • Richland, Washington 99352-0968

January 16, 1998
GO2-98-010

Docket No. 50-397

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Gentlemen:

Subject: **WNP-2, OPERATING LICENSE NPF-21, AMENDED RESPONSE TO
GENERIC LETTER 94-03, INTERGRANULAR STRESS CORROSION
CRACKING OF CORE SHROUDS IN BOILING WATER REACTORS**

- References:
- 1) NRC Generic Letter 94-03, dated July 25, 1995, "Intergranular Stress Corrosion Cracking Of Core Shrouds In Boiling Water Reactors"
 - 2) Letter GO2-96-010, dated January 15, 1996, JV Parrish (SS) to NRC, "WNP-2 Operating License NPF-21 Amendment to Generic Letter 94-03 Response"
 - 3) Letter GI2-96-103, dated April 18, 1996, NRC to JV Parrish (SS), "Review of the Amended Response To Generic Letter 94-03, Intergranular Stress Corrosion Cracking Of Core Shrouds In Boiling Water Reactors For The Washington Public Power Supply System (WPPSS) Nuclear Project No 2 (WNP-2) (TAC No M94508)" 11/1
 - 4) BWR Vessel And Internals Project (BWRVIP) Document BWRVIP-01, "BWR Core Shroud Inspection and Flaw Evaluation Guideline," Revision 2 AD18
 - 5) BWR Vessel And Internals Project (BWRVIP) Document BWRVIP-07, "Guidelines For Reinspection Of BWR Core Shrouds"
 - 6) Letter dated December 10, 1997, Carl Terry (BWROG) to NRC, "Change To Category B Core Shroud Inspection Recommendations"

This letter provides information regarding the intended scope and methodology of the core shroud inspection set forth in Reference 1. During the Spring 1998 (R-13) refueling outage WNP-2 will perform an inspection of the core shroud welds in accordance with the applicable

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AMENDED RESPONSE TO GENERIC LETTER 94-03, INTERGRANULAR STRESS
CORROSION CRACKING OF CORE SHROUDS IN BOILING WATER REACTORS

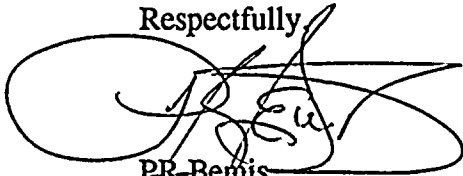
Page 2

guidance for Category B plants contained in Reference 4. During the inspection the accessible portions of welds H3, H4, H5, and H7 (BWR Vessel and Internals Project nomenclature) will be inspected using ultrasonic testing (UT), and the evaluation of any flaw indications will be in accordance with References 4 and 5. WNP-2 will inspect 100% of the accessible regions of each weld per Option A of Reference 5.

An attachment is provided showing the location of the subject core shroud welds and identifies the welds using both BWR Vessel and Internals Project nomenclature and WNP-2 nomenclature. The WNP-2 H6A weld is the same as the BWRVIP-01 H5 weld. The H6A weld attaches the core cylinder to the core plate.

Should you have any questions or desire additional information regarding this matter, please call Mr. CM King at (509) 377-4515 or Mr. PJ Inserra at (509) 377-4147.

Respectfully,

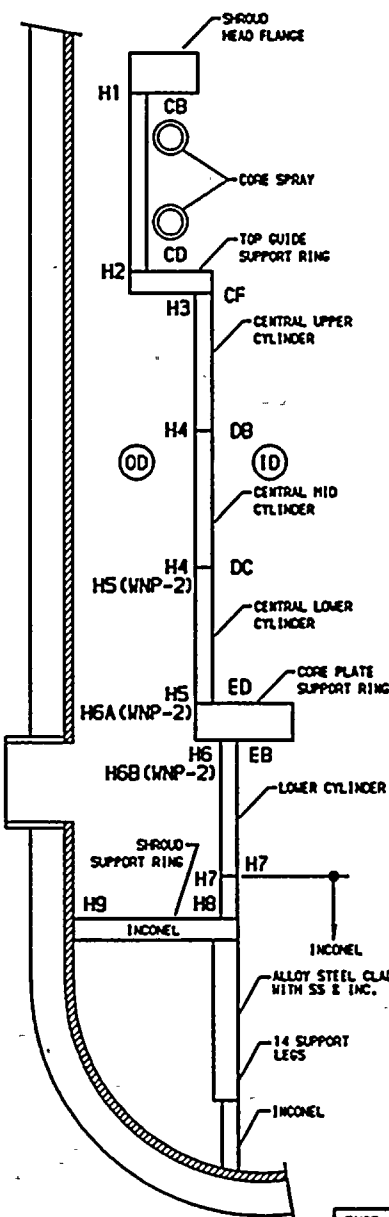
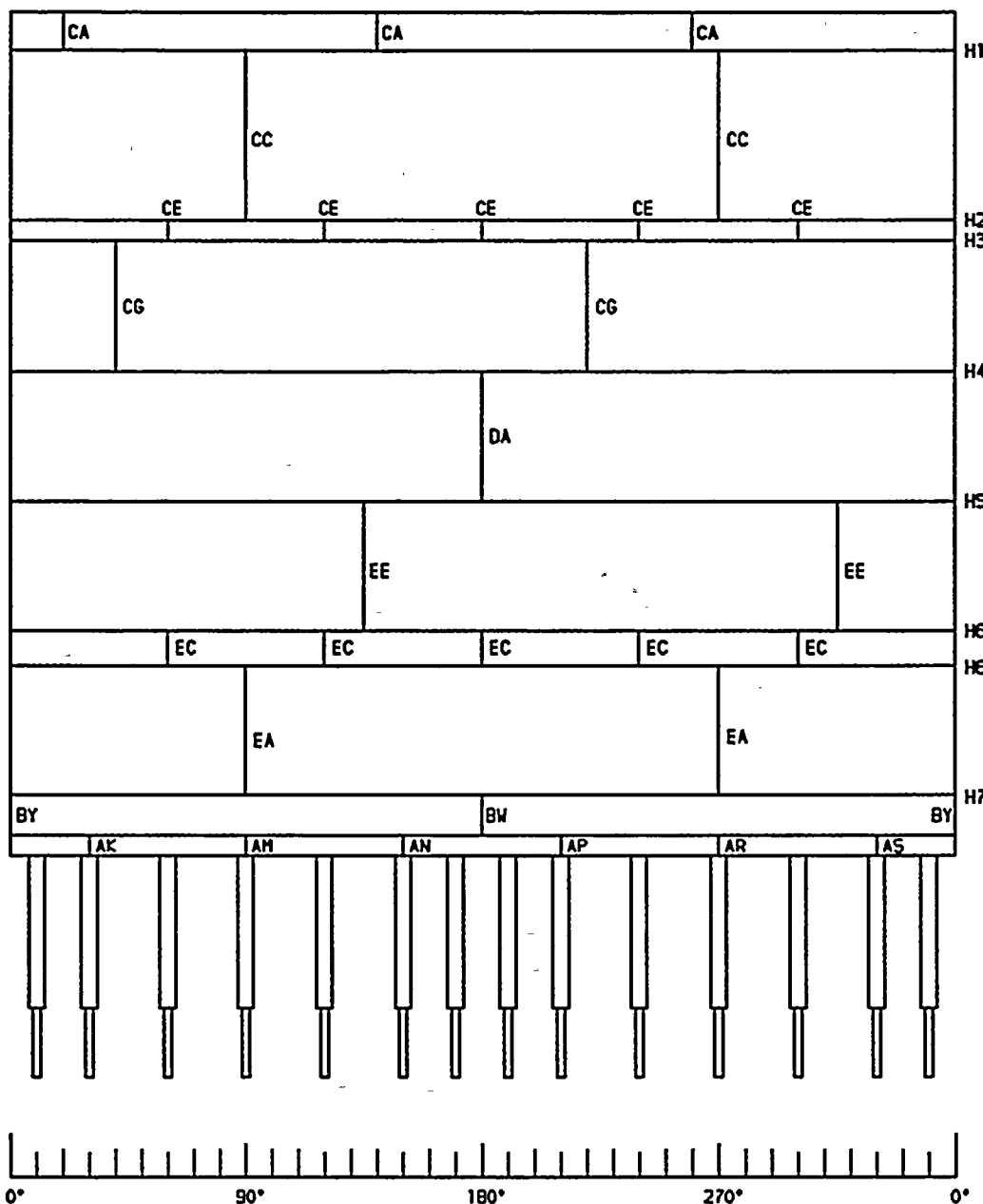


PR Bernis

Vice President, Nuclear Operations
Mail Drop PE23

Attachment:

cc: EW Merschoff - NRC RIV
KE Perkins, Jr. - NRC RIV, Walnut Creek Field Office
C Poslusny, Jr. - NRR
NRC Sr. Resident Inspector - 927N
DL Williams - BPA/399
PD Robinson - Winston & Strawn



WELD ID NUMBERS			DETAIL SEE DWG RPV-402
CB1	BVPYIP	WNP-2	
CA			E
CB	H1	H1	A
CC			H
CD	H2	H2	B
CE			G
CF	H3	H3	B
CG			H
DA			H
DB	H4	H4	D
DC	H4	H5	D
EA			H
ED	H5	H6A	C
EC			F
EB	H5	H6B	C
	H7	H7	J
	H8	H8	K
	H9	H9	K


NOTES:

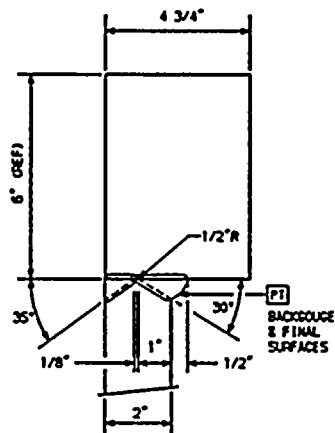
1. ALL SHROUD MATERIAL IS TYPE 304L UNLESS OTHERWISE NOTED.
2. REFER TO DRAWING NO. RPV-402 FOR JOINT DETAIL.

REFERENCES:

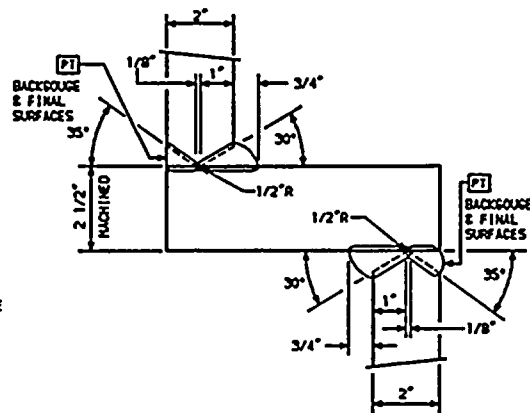
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GENERAL ELECTRIC
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 YPF-3527-33-8
 YPF-3527-32-10

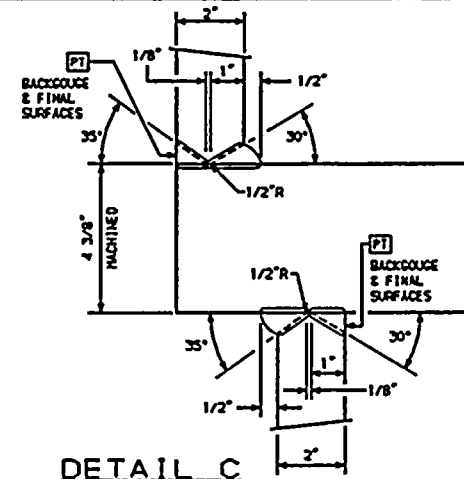
ENGR. J. DISNEY	DRAWN. SRP	DATE. 12-23-97
ENGR. DICK MOEN	DRAWN. K-McA	DATE. 8-11-94
 WASHINGTON PUBLIC POWER SUPPLY SYSTEM RICHLAND, WASHINGTON 98852		
WNP-2 TITLE: RPV CORE SHROUD & ASSOCIATED WELD TABLE		
DWG NO.		RPV-401



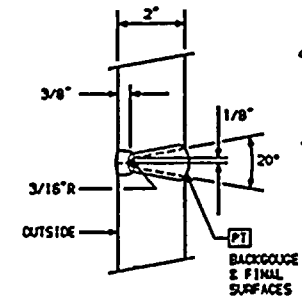
DETAIL A



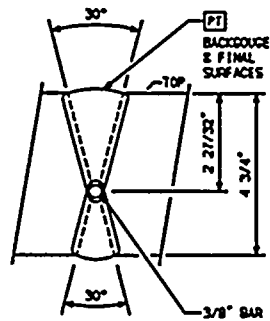
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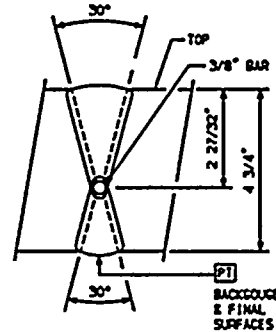
DETAIL C



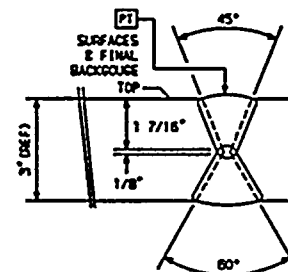
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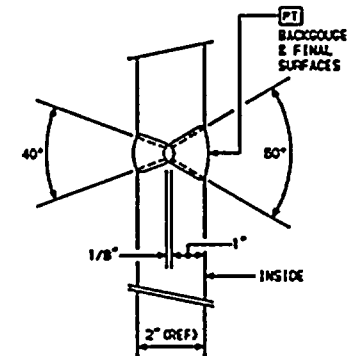
DETAIL E



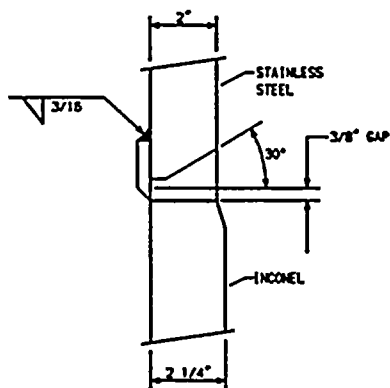
DETAIL F



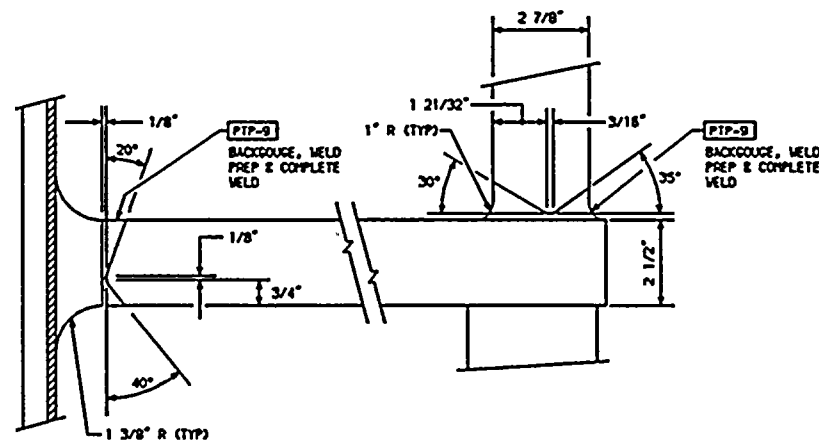
DETAIL G




DETAIL H



DETAIL J



DETAIL K

ENGR: DICK MOEN	DRAWN: K-HCA	DATE: 8-11-94
 WASHINGTON PUBLIC POWER SUPPLY SYSTEM RICHLAND, WASHINGTON 98352		
TITLE: WPP-2 RPV CORE SHROUD WELD DETAILS		
DWG NO. RPV-402		