

# CATEGORY 1

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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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)"
  - 4) BWR Vessel And Internals Project (BWRVIP) Document BWRVIP-01, "BWR Core Shroud Inspection and Flaw Evaluation Guideline," Revision 2
  - 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

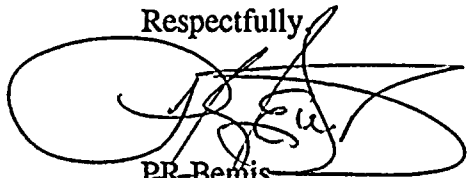
Page 2

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,

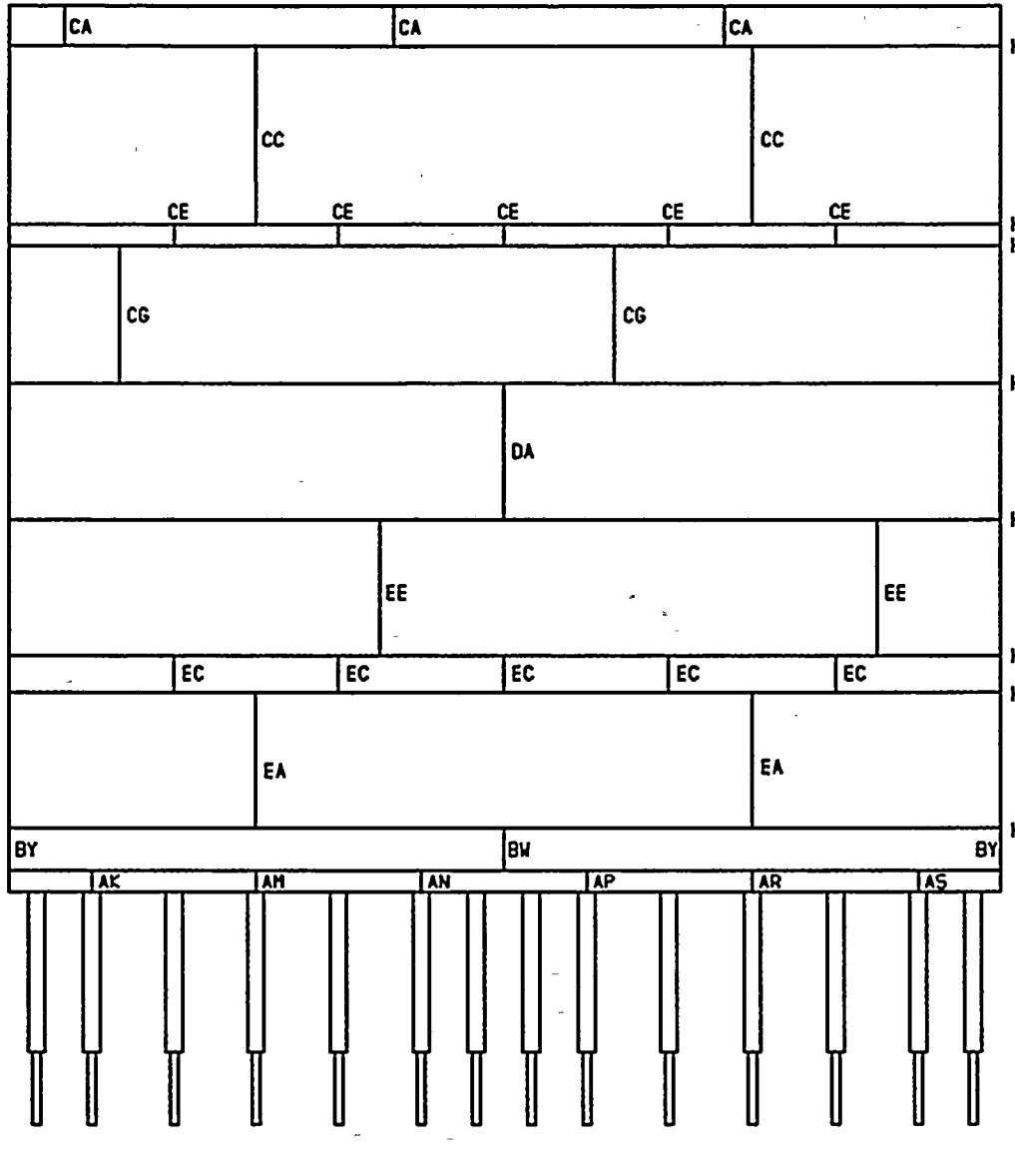


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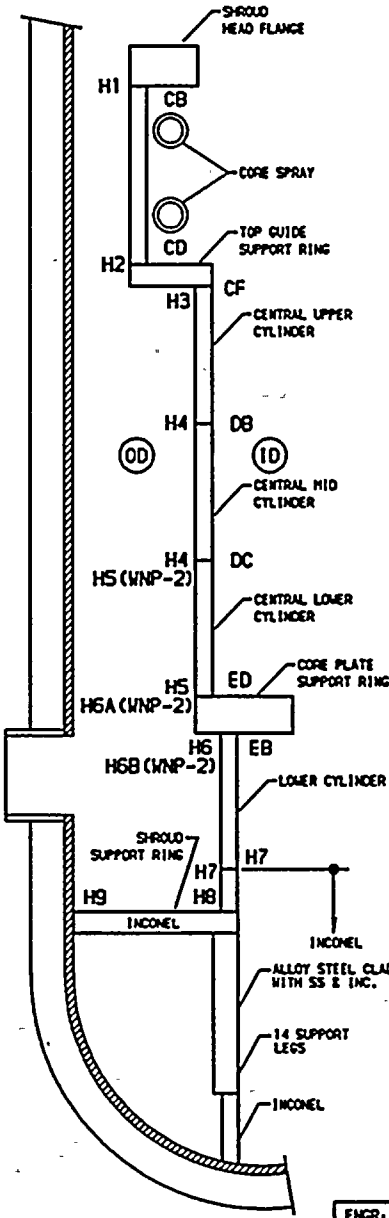
Vice President, Nuclear Operations  
Mail Drop PE23

Attachment:

cc: EW Merschhoff - 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




CORE SHROUD

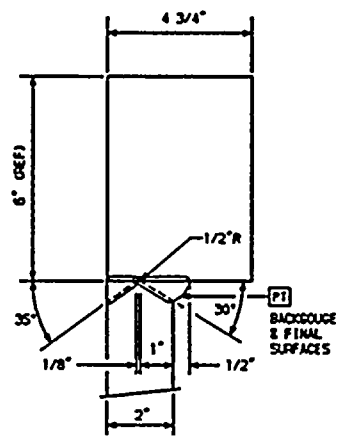


| WELD ID NUMBERS |        |       | DETAIL<br>SEE DWG<br>RPV-402 |
|-----------------|--------|-------|------------------------------|
| CB1             | BVPVIP | WNP-2 |                              |
| CA              |        |       | E                            |
| CB              | H1     | 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                            |

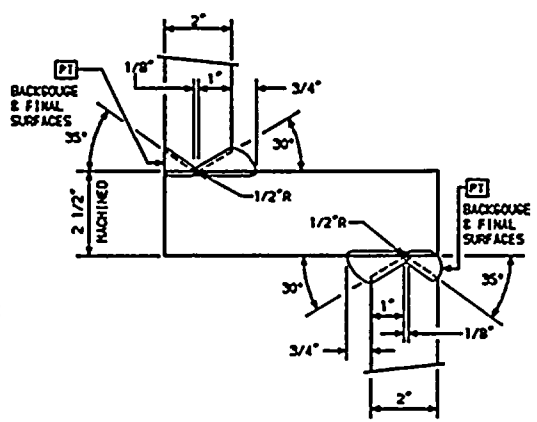
- NOTES:
1. ALL SHROUD MATERIAL IS TYPE 304L UNLESS OTHERWISE NOTED.
  2. REFER TO DRAWING NO. RPV-402 FOR JOINT DETAIL.

- REFERENCES:
- CB1 NUCLEAR COMPANY  
CVI 023-02813-10,10  
CVI 023-02813-10,17  
CVI 023-02813-10,18  
CVI 023-02813-10,23  
CVI 023-02813-06,104  
CVI 023-02813-06,148
  - GENERAL ELECTRIC  
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VPF-3527-33-8  
VPF-3527-32-10

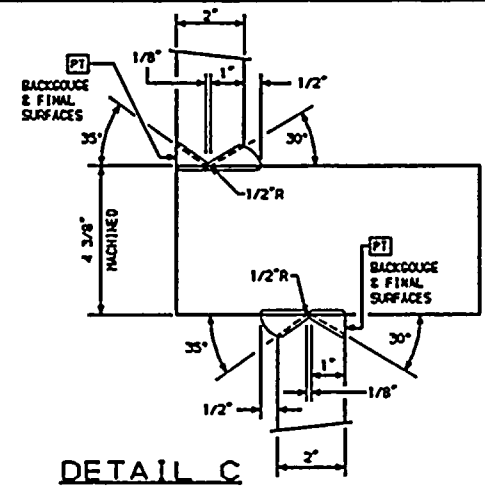
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|---|--------------|----------------|
| ENGR. J. DISNEY   | DRAWN. SRP   | DATE. 12-23-97 |
| ENGR. DICK MOEN   | DRAWN. K-MCA | DATE. 8-11-94  |
| <br>WASHINGTON PUBLIC POWER<br>SUPPLY SYSTEM<br>RICHLAND, WASHINGTON 98852 |              |        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



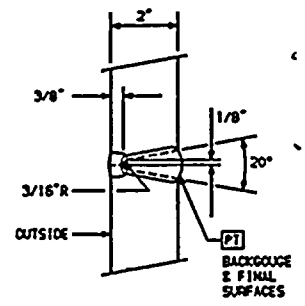
DETAIL A



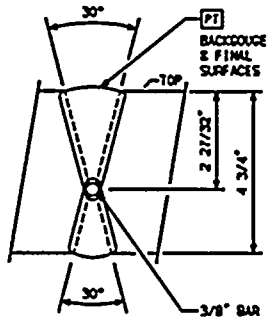
DETAIL B



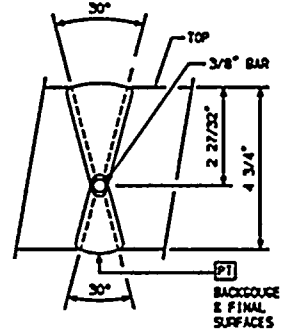
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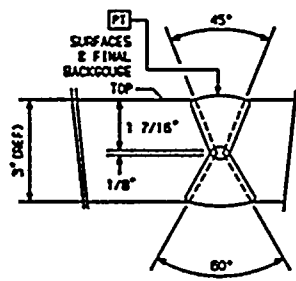
DETAIL D



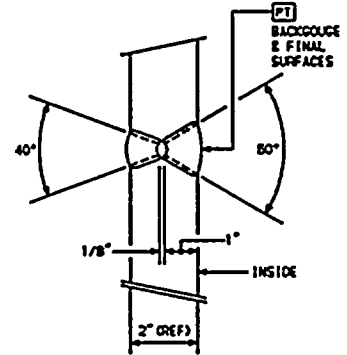
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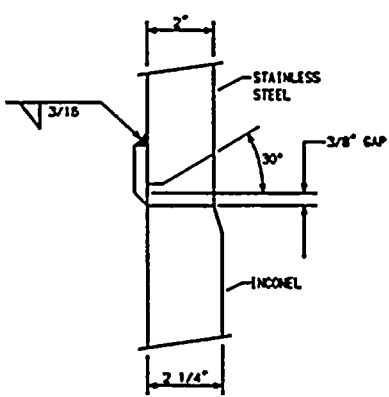
DETAIL F



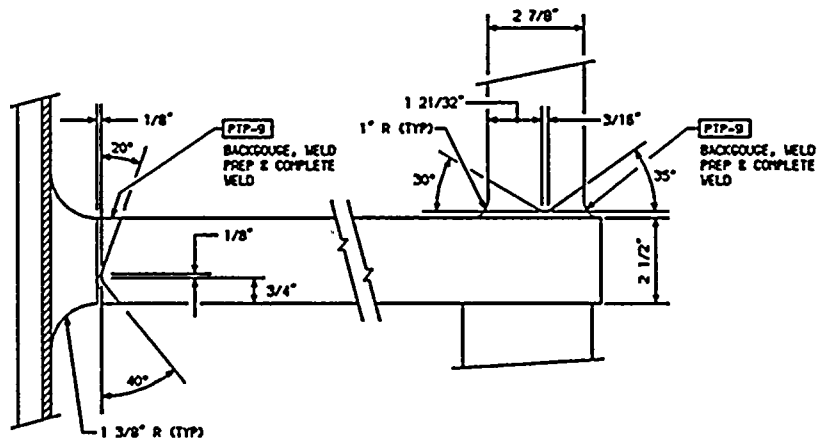
DETAIL G




DETAIL H



DETAIL J



DETAIL K

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