

# TVA

## WALL THICKNESS PROFILE SHEET

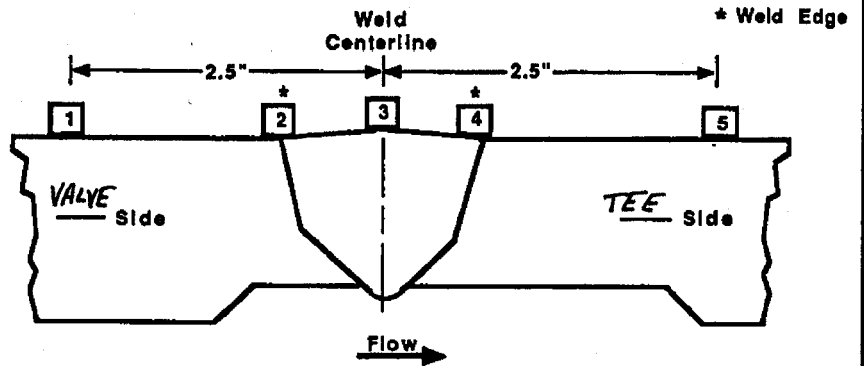
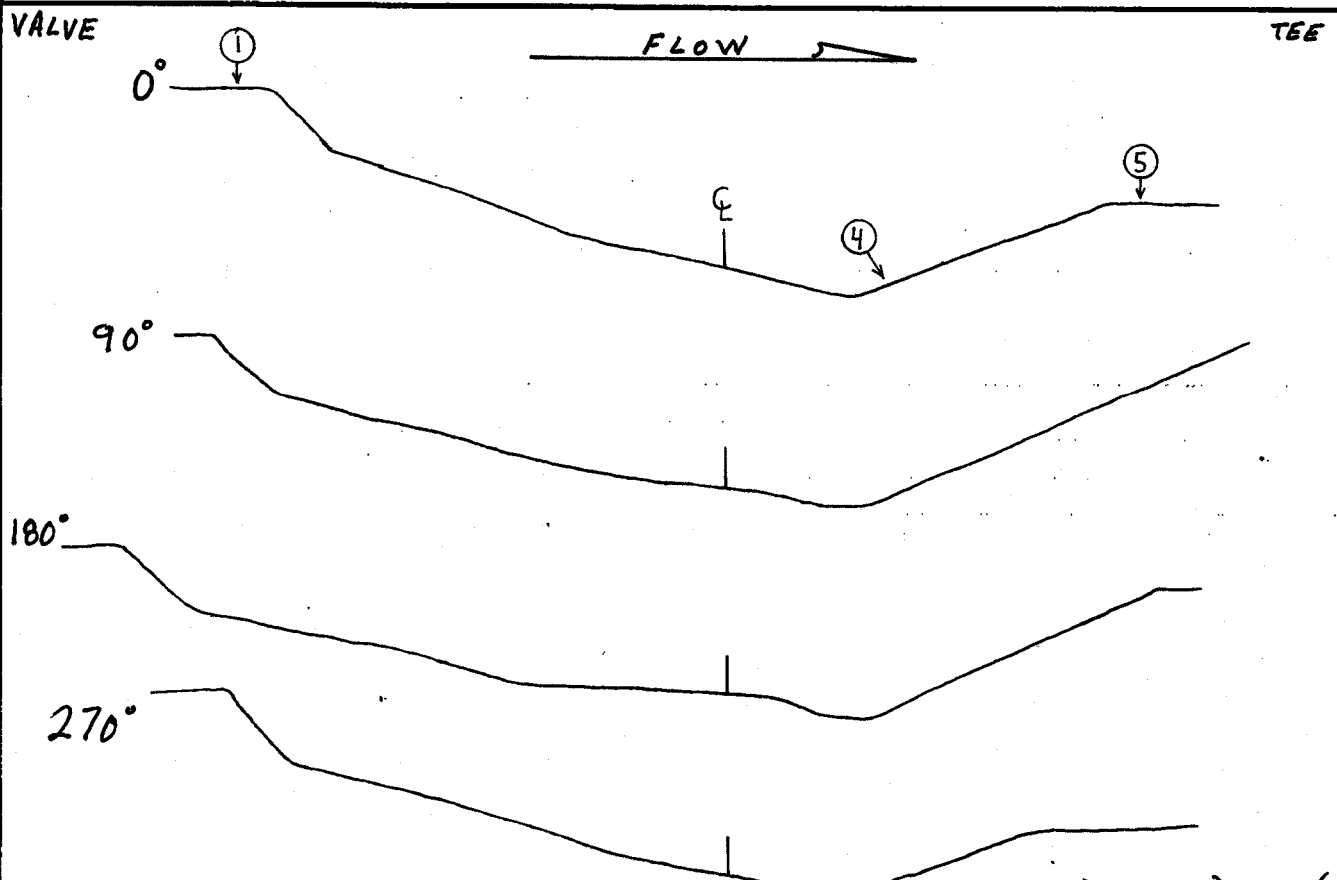
REPORT NO:

R-P0689

PROJECT: WBN  
UNIT: 2WELD NO: RHRF-D031-04  
SYSTEM: RHR

Record Thickness Measurements As Indicated, Including Weld Width, Edge-To-Edge At 0°

Position	0°	90°	180°	270°
1	2.41	2.42	2.46	2.47
2	1.85	1.80	1.79	1.78
3	1.57	1.38	1.42	1.40
4	1.51	1.52	1.56	1.48
5	1.87	2.14	1.97	1.72

CROWN HEIGHT: GROUND DIAMETER: 14.0"  
CROWN WIDTH: 1.2" WELD LENGTH: 45.25"

EXAMINATION PERFORMED TO QUALIFIED SECTOR SCAN ANGLES OF 35°-70°(AX), 25-70°(CIRC) &amp; 40-70°(AX-R/L)

EXAMINER: JASON JASON POLISENSKY  
LEVEL: II  
DATE: 07/16/09REVIEWED BY: [Signature]  
LEVEL: III DATE: 7/20/09AIII: [Signature]  
DATE: 7/30/09  
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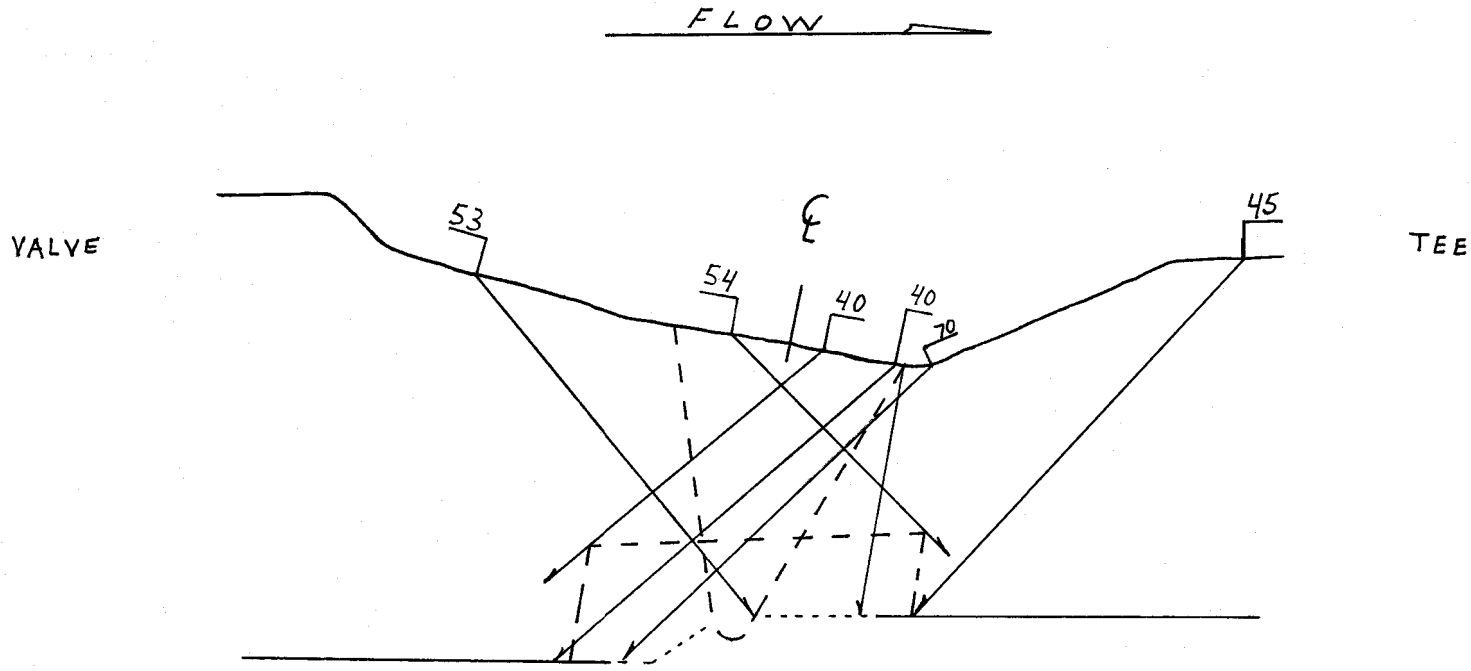
Office of Nuclear Power

PROJECT: WBN SYSTEM: RHR

UNIT: 2 C & WELD NO: RHRF-D031-04

REPORT NO.:

R-P0689



EXAMINATION PERFORMED TO QUALIFIED SECTOR SCAN ANGLES OF 35-70(Ax), 25-70(CIRC) & 40-70(Ax R/L)

BY: Jason Polisenky JASON POLISENSKY LEVEL: II DATE: 07/16/09 PAGE 6 OF 6

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Office of Nuclear Power

PROJECT: WBN SYSTEM: RHR

UNIT: 2 C D WELD NO: RHRF-D031-04

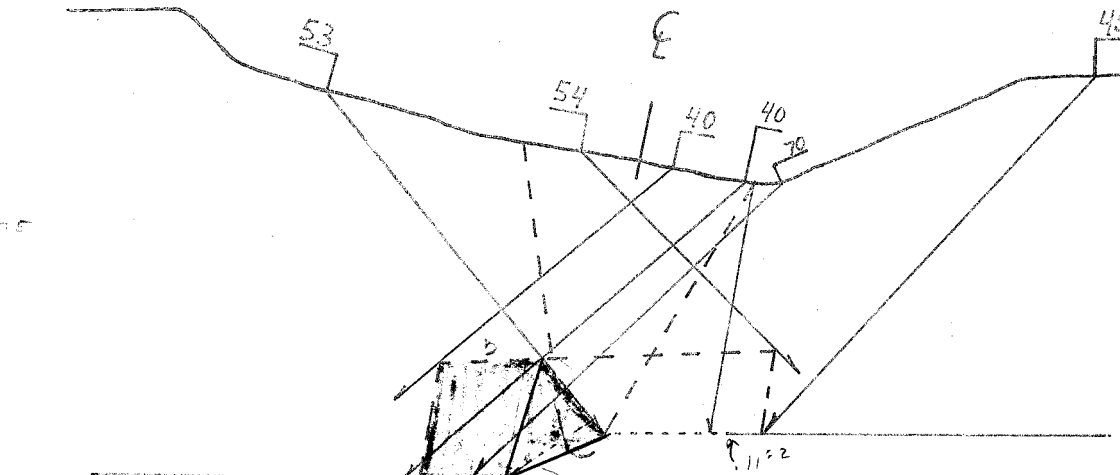
REPORT NO.:

FLOW →

VALVE

TEE

.91<sup>2</sup> TOTAL VOLUME



$$A = \frac{h}{2} (a+b)$$

$$A = \frac{bh}{2}$$

$$\frac{.61}{2} (.45 + .55)$$

$$.305 = .305 (1.0)$$

$$.145 = \frac{.58 \times .5}{2}$$

$$.305$$

$$.45^2$$

$$\begin{array}{r} .91 \\ -.95 \\ \hline .46 \text{ TOTAL COVERAGE} \end{array}$$

$$\begin{array}{r} 1 \\ .384 \\ \hline .91 \\ -.11 \\ \hline .80 \text{ TOTAL COVERAGE} \end{array}$$

MISSED COVERAGE

# Watts Bar Unit 2

R.P 0689

TVA Procedure N-GP-31  
Attachments 3 & 4

Measured Fields	Calculated Fields
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Worksheet Version 1.0 dated 07/01/09

**WELD NUMBER**

RHRF-D031-04

Item 1	Required examination Volume in sq. in. (width x height)	1.75	0.52	0.91 sq. in.
Item 2	Number of scan directions	4 directions		
Item 3	Total Scan volume in sq. in.	3.64 sq. in.		
Item 4	Total length of weld	45.25 inches		
Item 5	Total required exam volume in cubic inches	164.71 cu. in.		
Item 6	Exam volume acheived (sq. in.) in direction 1 X length of weld achieved	0.46	45.25	20.815 cu. In.
Item 7	Exam volume acheived (sq. in.) in direction 2 X length of weld achieved	0.724	45.25	32.761 cu. In.
Item 8	Exam volume acheived (sq. in.) in direction 3 X length of weld achieved	0.8	45.25	36.2 cu. In.
Item 9	Exam volume acheived (sq. in.) in direction 4 X length of weld achieved	0.8	45.25	36.2 cu. In.
Item 10	Determined the acheived exam volume add 6, 7, 8 & 9	125.976 cu. In.		
Item 11	Exam volume percentage item 10/item 5 x 100	76.48 %		

**Comments**

INFORMATION ONLY

**Initials**

JAP

**Date**

07/16/09

TVA

Office of Nuclear Power

PROJECT: WBN SYSTEM: RHR

UNIT: 2 C D WELD NO: RHRF-D031-04

REPORT NO.:

FLOW

VALVE

TEE

45

53

E

54

40

Extra Pages  
Showing Areas  
0.64

.91" <sup>2</sup> TOTAL COVERAGE

-.186

.724" TOTAL SEAM COVERAGE

.156" <sup>2</sup> c .52/12

.025" <sup>2</sup> = .1X.25

.005" <sup>2</sup>

.186" <sup>2</sup>  $\frac{.171}{2} = .005$

2 MISSED COVERAGE