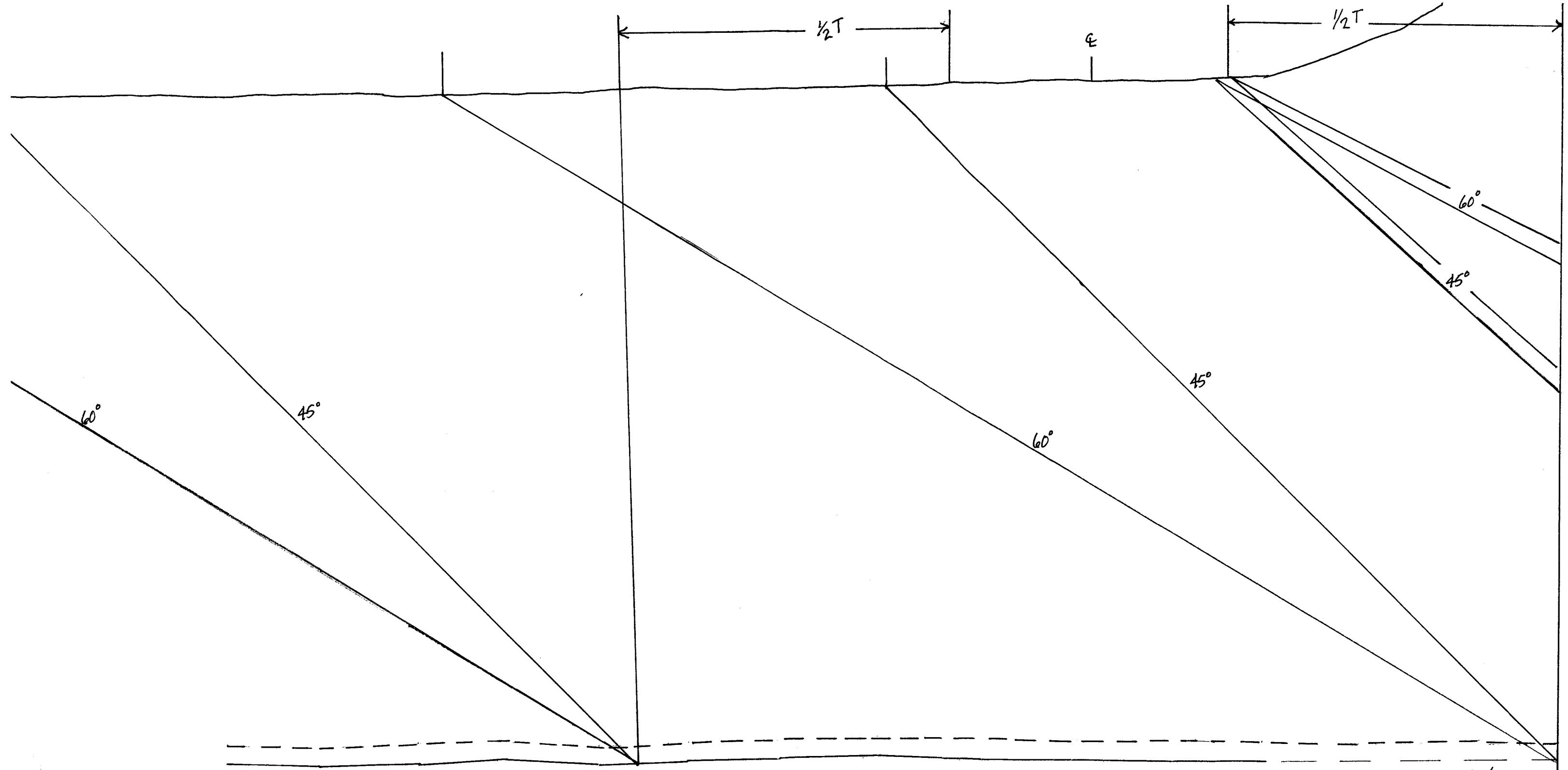


R-P1014



WBN 2 RPV  
 Weld ID - W08-09  
 Alejandro Level II  
 04-12-10

Revised: Matt Welch  
 LIII  
 7/15/10

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 0428-10

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### Watts Bar Unit 2

TVA Procedure N-GP-31  
Attachments 3 & 4

|                 |                   |
|-----------------|-------------------|
| Measured Fields | Calculated Fields |
|-----------------|-------------------|

Worksheet Version 1.0 dated 07/01/09

WELD NUMBER

W08-09 -450

|         |   |                |     |               |
|---------|---|----------------|-----|---------------|
| Item 1  | Required examination Volume in sq. in. (width x height)                 | 10.2           | 7.2 | 73.44 sq. in. |
| Item 2  | Number of scan directions   | 4 directions   |     |               |
| Item 3  | Total Scan volume in sq. in.  | 293.76 sq. in. |     |               |
| Item 4  | Total length of weld  | 500 inches     |     |               |
| Item 5  | Total required exam volume in cubic inches                              | 146880 cu. in. |     |               |
| Item 6  | Exam volume achieved (sq. in.) in direction 1 X length of weld achieved | 0              | 500 | 0 cu. In.     |
| Item 7  | Exam volume achieved (sq. in.) in direction 2 X length of weld achieved | 70.44          | 500 | 35220 cu. In. |
| Item 8  | Exam volume achieved (sq. in.) in direction 3 X length of weld achieved | 73.44          | 500 | 36720 cu. In. |
| Item 9  | Exam volume achieved (sq. in.) in direction 4 X length of weld achieved | 73.44          | 500 | 36720 cu. In. |
| Item 10 | Determined the achieved exam volume add 6, 7, 8 & 9                     | 108660 cu. In. |     |               |
| Item 11 | Exam volume percentage item 10/item 5 x 100                             | 73.98 %        |     |               |

Scan #3 limitation due to Flange  
scan #4 limitation due to lifting lugs

|                    |
|--------------------|
| Initials<br>JA     |
| Date<br>04/14/2010 |

# Watts Bar Unit 2

TVA Procedure N-GP-31  
Attachments 3 & 4

|                    |                      |
|--------------------|----------------------|
| Measured<br>Fields | Calculated<br>Fields |
|--------------------|----------------------|

Worksheet Version 1.0 dated 07/01/09

**WELD NUMBER**      W08-09      - 60°

|         |   |                |     |               |
|---------|---|----------------|-----|---------------|
| Item 1  | Required examination Volume in sq. in. (width x height)                 | 10.2           | 7.2 | 73.44 sq. in. |
| Item 2  | Number of scan directions   | 4 directions   |     |               |
| Item 3  | Total Scan volume in sq. in.  | 293.76 sq. in. |     |               |
| Item 4  | Total length of weld  | 500 inches     |     |               |
| Item 5  | Total required exam volume in cubic inches                              | 146880 cu. in. |     |               |
| Item 6  | Exam volume acheived (sq. in.) in direction 1 X length of weld achieved | 0              | 500 | 0 cu. In.     |
| Item 7  | Exam volume acheived (sq. in.) in direction 2 X length of weld achieved | 69.7           | 500 | 34850 cu. In. |
| Item 8  | Exam volume acheived (sq. in.) in direction 3 X length of weld achieved | 73.44          | 500 | 36720 cu. In. |
| Item 9  | Exam volume acheived (sq. in.) in direction 4 X length of weld achieved | 73.44          | 500 | 36720 cu. In. |
| Item 10 | Determined the acheived exam volume add 6, 7, 8 & 9                     | 108290 cu. In. |     |               |
| Item 11 | Exam volume percentage item 10/item 5 x 100                             | 73.73 %        |     |               |

Scan #3 limitation due to Flange  
scan #4 limitation due to lifting lugs

**Initials**  
JA  
**Date**  
04/14/2010