GTRI Large Blister Threshold Furnace

March 2021

Gregory K Housley
NOTES:

- Installation torque of item 6: 16-20 lb-ft.
- Apply boron nitride aerosol lubricant to nut threads and nut face prior to installation.

-1 ASSEMBLY

- All dimensions are in inches.
- Angular tolerance ±1/4°.
- Remove all burrs and sharp edges. All machined surfaces to be // or finer.
- Stock finishes as received are in accordance with the latest revision of ANSI/ASME B46.1.
- Dimensions and tolerances in accordance with ASME Y14.5-2009.

REQUESTER: F, J, RICE
RESP ENGR: D, L. WAHLOUIST
DESIGN: E E. CHAMBERS
DRAWN: D. DUNCAN
PROJECT NO.
SPECIAL CODE

FOR REVIEW/APPROVAL SIGNATURES

SEE ECR NO. 639044

SCALE: 1/2
SHEET 1 OF 1

PROE MODEL: 191192
PDM/LINK RELEASE LEVEL: esign
PDM/LINK VERSION: 0.9
**NOTES:**

1. Operation and maintenance when after heat treatment at 500 °C
   shall be made in the shaded areas.

2. **NOTE:** REVISIONS

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**DIMENSIONS AND TOLERANCES APPLY AFTER HEAT TREATMENT AT 550 °C FOR 1 HOUR IN THE BLISTER ANNEAL FURNACE.**

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<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>TOLERANCES</th>
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<tbody>
<tr>
<td>3,275</td>
<td>±0.002</td>
</tr>
<tr>
<td>2,470</td>
<td>±0.002</td>
</tr>
<tr>
<td>3,500</td>
<td>±0.002</td>
</tr>
<tr>
<td>3,607</td>
<td>±0.002</td>
</tr>
<tr>
<td>4,000</td>
<td>±0.002</td>
</tr>
<tr>
<td>4,000</td>
<td>±0.002</td>
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<table>
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<tr>
<th>PARTS LIST</th>
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<tr>
<td><strong>ITEM NO.</strong></td>
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<tr>
<td><strong>PART OR IDENTIFYING NO.</strong></td>
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<tr>
<td><strong>NOMENCLATURE OR DESCRIPTION</strong></td>
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<tr>
<td><strong>MATERIAL/SPECIFICATION OR VENDOR NAME</strong></td>
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</table>

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**AFFIP-7 CASSETTE INSERT PLATE**

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**QTY REQD**

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**EFFECTIVE DATE:** 9/13/16

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**REQUESTER:** F. J. RICE

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**DESIGN:** E. E. CHAMBERS

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**DRAWN:** D. DUNCAN

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**SCALE:** 1 / 2

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**DWG NO.** 797792

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**REV.**

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**PROE MODEL:** 191191

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**PDM/LINK RELEASE LEVEL:** DESIGN

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**PDM/LINK VERSION:** 0.6
NOTES:
1. WELD SYMBOLS PER AWS A2.4.
2. WELD PER INL WELDING PROCEDURE S2.0, USING ER308 PER AWS A5.9.
3. MAY FABRICATE FROM SOLID STOCK.

-1 WELDMENT

<table>
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<tr>
<th>ITEM</th>
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<tr>
<td>2</td>
<td>-5</td>
<td>WING</td>
<td>PLATE OR BAR</td>
<td>ASTM A240 OR A276</td>
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<tr>
<td>1</td>
<td>-4</td>
<td>HEX NUT</td>
<td>HEX BAR, 9/16 FT</td>
<td>SST 304</td>
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</table>

DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5-2009.