### PARTS LIST

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>105591</td>
<td>4 1/2 CFF Mounted Z Translator w/102514-02, BOM</td>
</tr>
</tbody>
</table>

**Drawing Information**

- **DRAWN:** mcurtis
- **CHECKED:** QAMFG
- **APPROVED:**
- **DATE:** 9/4/2009
- **CAGE CODE:** 1YAN4
- **MATERIAL:** 
  - Ø.025 Cu Conductor
  - 4X Ø.312 Vent Holes
  - Insulator
  - RF Shield, Extends Past Insulator, Grounded to Support Tube
- **SIZE:** A
- **SCALE:** 1/4
- **REV:**

**Description**

- **4 1/2 CFF**
- **102514-02, O2 Heater/Dock, 102515-03, O2 Stage w/Clips**
- **3.20/5.20, Face of Stage to Face of CFF, Shown at 5.20 Position (Extended)**
- **5.4 Max.**

**Company Information**

- **HeatWave Labs, Inc.**
  - 195 Aviation Way, Suite 100
  - Watsonville, CA 95076
  - P: 831-722-9081
  - F: 831-722-5491
  - www.cathode.com

**Note:**

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2" Travel Z Axis Translator

Ø.094 Cu Power Feedthru

Single Pair Type K TC Feedthru

Ø.094 Cu Power Feedthru

BNC Feedthru

HeatWave Labs, Inc.

4 1/2 CFF Mounted 2" Z Axis Manipulator w/102514-02 O2 Heater Dock & Stage

DRAWN
mcurtis  9/4/2009
CHECKED
QA
MFG
APPROVED

195 Aviation Way, Suite 100  P: 831-722-9081
Watsonville, CA  95076  F: 831-722-5491
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SIZE
dwg no.
REV
A
105525

SCALE

SHEET 2 OF 2