Refer to LIGO-E030066-A-E for design calculations of these bellows.

**SECTION B-B**
- Diameter: 4.380
- Thickness: 0.006
- Material: 17-7 ph
- Quantity: 2 required per ass'y

**SECTION D-D**
- Diameter: 5.260
- Thickness: 0.100
- Material: 304 L
- Quantity: 4 required per ass'y

**NOTES**:
- Dimensions are in inches.
- Tolerances: .XX 0.02", .XXX 0.001".
- Angular: 30'.
- Finish:

---

**Bellows Weld Shield Ring**
- D020295-A-E Part 2
- Material: 304 L
- (4) required per ass'y

---

**DETAIL C**
- Scale: 10:1
- Bellows
- Shield Ring

**DETAIL E**
- Scale: 5:1

---

**FILE NAME/LOCATION**:
- California Institute of Technology
- Massachusetts Institute of Technology

**CHECKED**
- 2/9/03 - Kern

**DRAWN**
- 4/02 - Hardham

**REDRAWN**
- Fall'02 - Hammond

**REV.**
- DCN # REV. DATEDRAWING TREE #

**SCALE**:
- 1:1 unless noted