



NOTES:

1. MATERIAL IS STAINLESS STEEL, TYPE 304
2. ID = 7.8" MINIMUM
3. MAXIMUM STROKE IS +/- 0.2"
4. OVERALL AXIAL SPRING RATE IS 200 LB/IN OR LESS
5. SERVICE IS HIGH VACUUM
6. MEAN BELLOWS DIAMETER IS DEFINED AS THE AVERAGE OF THE MINIMUM AND THE MAXIMUM BELLOWS DIAMETERS
7. THE RATIO OF THE MEAN DIAMETERS FOR THE LARGE AND THE SMALL BELLOWS MUST BE 1.414 +/- 0.014
8. ASSEMBLY MUST BE SHOWN FREE OF LEAKAGE TO 1E-9 TL/S, HELIUM, BAG TESTED (INCLUDING KNIFE EDGE SEALS), WITH CALIBRATED STANDARD LEAK OF NO GREATER MAGNITUDE THAN 3E-9 TL/S HELIUM

8" ID PRESSURE BALANCED EXPANSION JOINT
D010088-A-R
LIGO 40M LABORATORY
L. JONES 5/9/01