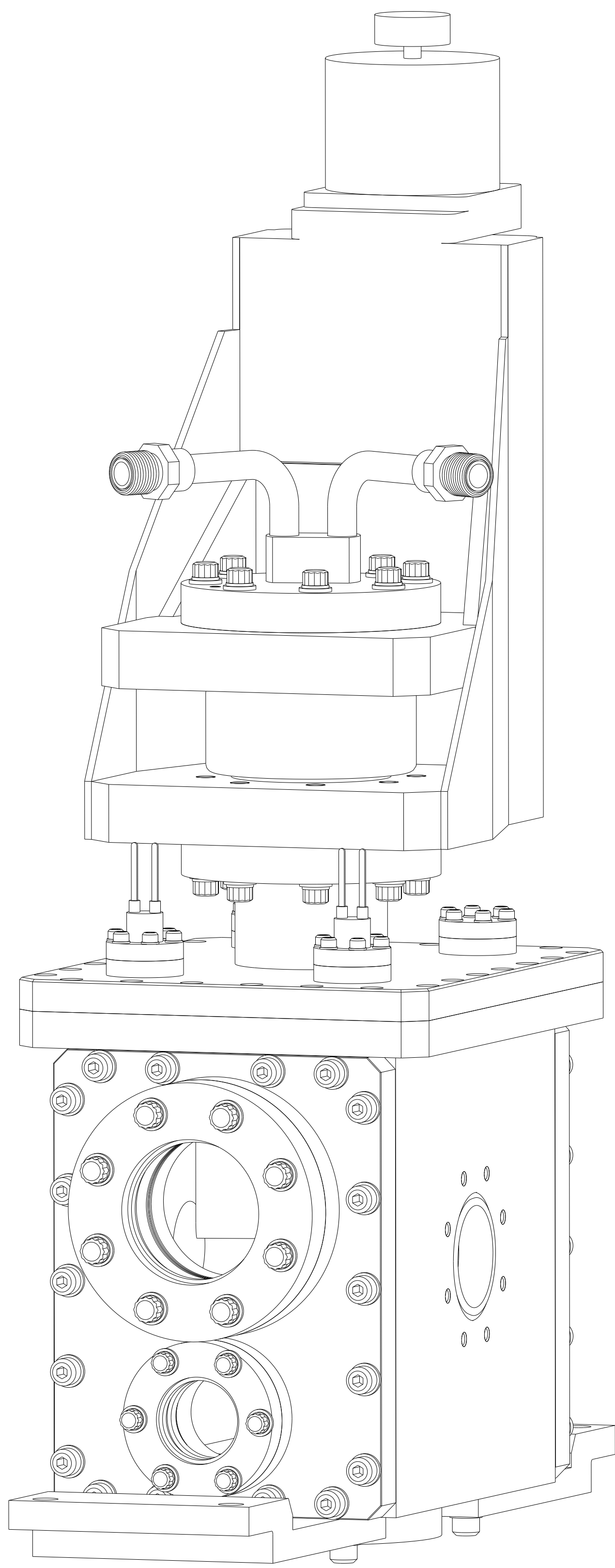
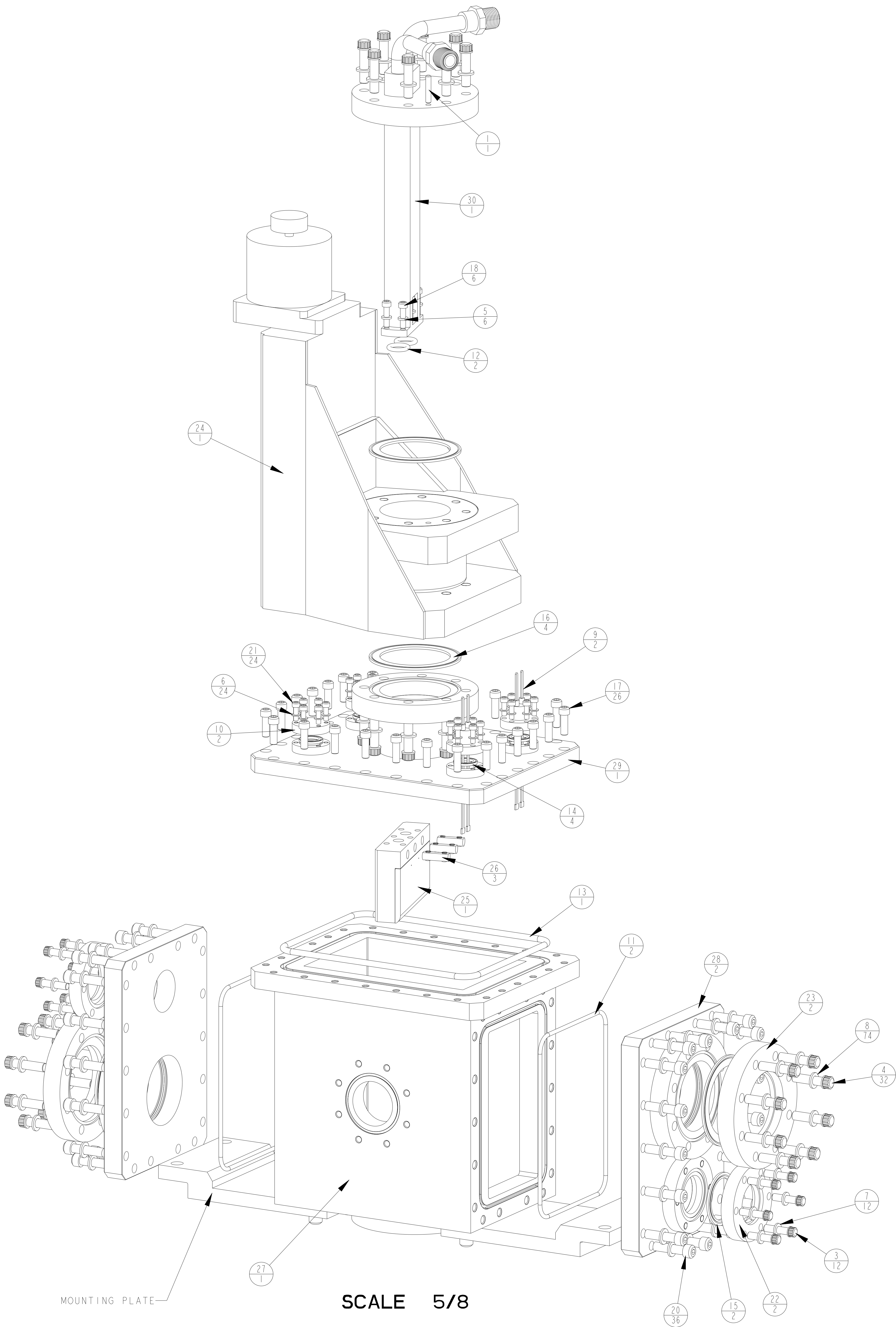
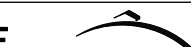




NOTES:

1. FINISHED PART TO BE VACUUM TIGHT.  
LEAK RATE NOT TO EXCEED  
1 X 10<sup>-8</sup> TORR - LITERS PER SECOND HELIUM.
2. ULTRA-HIGH VACUUM CLEANING AND PACKING REQUIRED.
3. ASSEMBLE IN CLEAN ENVIRONMENT.  
AFTER ASSEMBLY, WRAP TO MAINTAIN CLEANLINESS.

|  |  |  |  |                                                                                                   |  |  |  |                     |  |  |  |                  |  |  |  |                                                                                                |  |  |  |                                                                                       |  |  |  |
|--|--|--|--|---------------------------------------------------------------------------------------------------|--|--|--|---------------------|--|--|--|------------------|--|--|--|------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|--|--|
|  |  |  |  | UNLESS OTHERWISE SPECIFIED                                                                        |  |  |  | SHOP ORDERS         |  |  |  | SHEET NO. 1 OF 2 |  |  |  | ERNEST ORLANDO LAWRENCE<br>BERKELEY NATIONAL LABORATORY<br>UNIVERSITY OF CALIFORNIA - BERKELEY |  |  |  |  |  |  |  |
|  |  |  |  | PROJECTION:  |  |  |  | ACCT. NO. 100       |  |  |  | DATE: 17-May-01  |  |  |  |                                                                                                |  |  |  |                                                                                       |  |  |  |
|  |  |  |  | TOLERANCES: X.X ± 0.1 FRACTION ± 1/64                                                             |  |  |  | SURFACE FINISH: 125 |  |  |  | DATE: 17-May-01  |  |  |  |                                                                                                |  |  |  |                                                                                       |  |  |  |
|  |  |  |  | X.XX ± 0.03 ANGLES ± 1.0°                                                                         |  |  |  | IDENT. TAG          |  |  |  |                  |  |  |  |                                                                                                |  |  |  |                                                                                       |  |  |  |
|  |  |  |  | X.XXX ± 0.010 FINISH 125/                                                                         |  |  |  | NUMBER OF PARTS: 1  |  |  |  |                  |  |  |  |                                                                                                |  |  |  |                                                                                       |  |  |  |
|  |  |  |  | DO NOT SCALE PRINT                                                                                |  |  |  |                     |  |  |  |                  |  |  |  |                                                                                                |  |  |  |                                                                                       |  |  |  |
|  |  |  |  | THREADS ARE CLASS 2                                                                               |  |  |  |                     |  |  |  |                  |  |  |  |                                                                                                |  |  |  |                                                                                       |  |  |  |
|  |  |  |  | CHAMFER ENDS OF ALL SCREW THREADS 30°                                                             |  |  |  |                     |  |  |  |                  |  |  |  |                                                                                                |  |  |  |                                                                                       |  |  |  |
|  |  |  |  | CUT ROUNDS, 1.5 THREAD BELIEF ON MACHINED THREADS                                                 |  |  |  |                     |  |  |  |                  |  |  |  |                                                                                                |  |  |  |                                                                                       |  |  |  |
|  |  |  |  | BREAK EDGES .016 MAX. ON MACHINED WORK                                                            |  |  |  |                     |  |  |  |                  |  |  |  |                                                                                                |  |  |  |                                                                                       |  |  |  |
|  |  |  |  | REMOVE BURRS, WELD SPATTER & GROSS SCALE                                                          |  |  |  |                     |  |  |  |                  |  |  |  |                                                                                                |  |  |  |                                                                                       |  |  |  |
|  |  |  |  | IN ACCORDANCE WITH ASME Y14.3M & Y14.5                                                            |  |  |  |                     |  |  |  |                  |  |  |  |                                                                                                |  |  |  |                                                                                       |  |  |  |
|  |  |  |  |                                                                                                   |  |  |  |                     |  |  |  |                  |  |  |  |                                                                                                |  |  |  |                                                                                       |  |  |  |
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