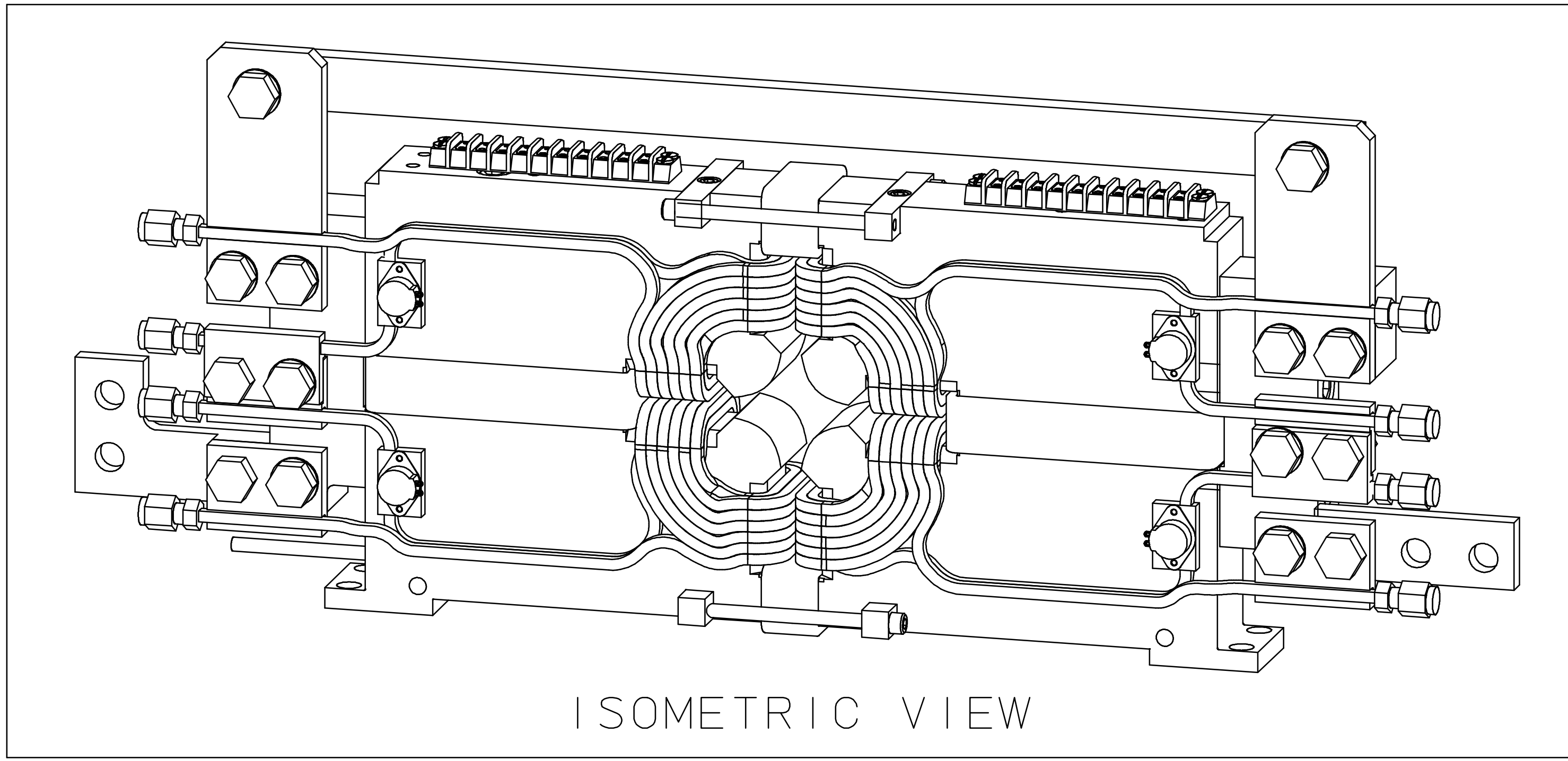
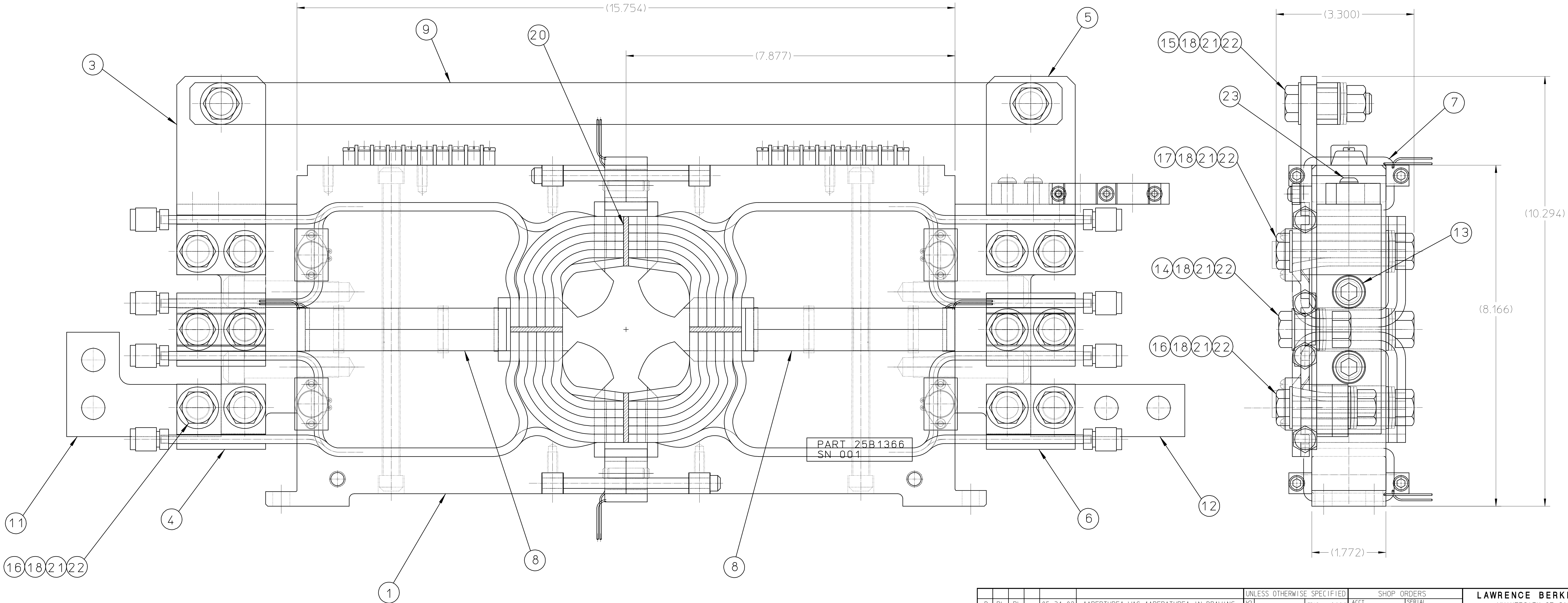
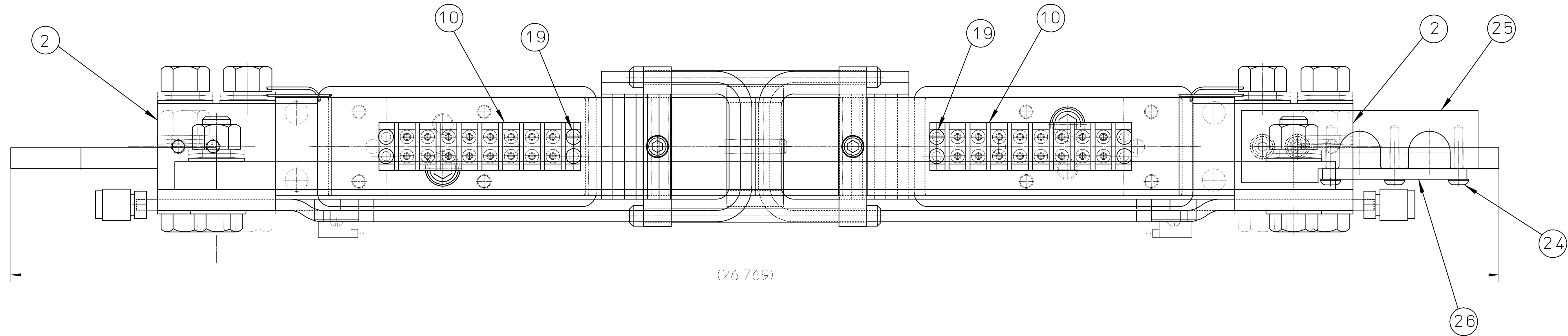




ISOMETRIC VIEW

- NOTES: 1. ALL DIMENSIONS ARE IN INCHES.  
2. ESTIMATED WT. 70 LBS.  
3. USE CAUTION WHEN TIGHTENING BOLTS TO AVOID DAMAGING THE DELRIN COMPONENTS.



| REV | ITEM | PART NO. | DESCRIPTION                                                                                    |
|-----|------|----------|------------------------------------------------------------------------------------------------|
| 1   | 1    | 25B1366  | POLE PIECE ASSEMBLY - 42MM APERTURE                                                            |
| 2   | 2    | 25B1254  | INSULATOR BLOCK                                                                                |
| 1   | 3    | 25B1484  | UPPER LEFT COIL ASSEMBLY                                                                       |
| 1   | 4    | 25B1504  | LOWER LEFT COIL ASSEMBLY                                                                       |
| 1   | 5    | 25B1494  | UPPER RIGHT COIL ASSEMBLY                                                                      |
| 1   | 6    | 25B1514  | LOWER RIGHT COIL ASSEMBLY                                                                      |
| 2   | 7    | 25B1464  | VERTICAL STEERING COIL                                                                         |
| 2   | 8    | 25B1474  | HORIZONTAL STEERING COIL                                                                       |
| 1   | 9    | 25B1414  | JUMPER BAR                                                                                     |
| 2   | 10   |          | TERMINAL BLOCK, KULKA 600A SERIES, STK. #87F5241                                               |
| 1   | 11   | 25B1424  | L-SHAPED BUS BAR                                                                               |
| 1   | 12   | 25B1434  | STRAIGHT BUS BAR                                                                               |
|     |      |          |                                                                                                |
| 4   | 13   |          | SCREW, SOC. HD., 1/2-13UNC-2A X 2.25" LONG, SST.                                               |
| 2   | 14   |          | SCREW, HEX. HD., 1/2-13UNC-2A X 1.50" L., 18-8 SST.                                            |
| 2   | 15   |          | SCREW, HEX. HD., 1/2-13UNC-2A X 1.75" L., 18-8 SST.                                            |
| 2   | 16   |          | SCREW, HEX. HD., 1/2-13UNC-2A X 2.00" L., 18-8 SST.                                            |
| 8   | 17   |          | SCREW, HEX. HD., 1/2-13UNC-2A X 3.00" L., 18-8 SST.                                            |
| 28  | 18   |          | WASHER, PLAIN, TYPE B, 1/2, 1.00" O.D., SST.                                                   |
|     |      |          |                                                                                                |
| 8   | 19   |          | SCREW, PAN HD., 6-32UNC-2A X .625" L., SST.                                                    |
| A/R | 20   |          | RUBBER SHEET, NEOPRENE OR EQUIVALENT                                                           |
|     |      |          |                                                                                                |
| 28  | 21   |          | WASHER, BELLEVILLE, 1.000 OD X .505 ID, .073 THICK 18-8 STAINLESS STEEL, MASTER CARR #9713 K77 |
| 14  | 22   |          | NUT, HEX, 1/2-13UNC-2B, SST.                                                                   |
|     |      |          |                                                                                                |
| 2   | 23   |          | SCREW, BUT. HD., 1/4-20UNC-2A X .875" L., 18-8 SST.                                            |
| 3   | 24   |          | SCREW, BUT. HD., 10-24UNC-2A X .625" L., 18-8 SST.                                             |
|     |      |          |                                                                                                |
| 1   | 25   | 25B1554  | POWER CABLE BRACKET                                                                            |
| 1   | 26   | 25B1564  | CABLE BRACKET STRAP                                                                            |
|     |      |          |                                                                                                |
|     |      |          |                                                                                                |

|  |  |  |  | UNLESS OTHERWISE SPECIFIED               |  |  |  | SHOP ORDERS      |  |  |  | LAWRENCE BERKELEY LABORATORY           |  |  |  |
|--|--|--|--|------------------------------------------|--|--|--|------------------|--|--|--|----------------------------------------|--|--|--|
|  |  |  |  | X ± -                                    |  |  |  | ACCT. NO.        |  |  |  | UNIVERSITY OF CALIFORNIA-BERKELEY      |  |  |  |
|  |  |  |  | XX ± .02                                 |  |  |  | DATE             |  |  |  | SNS - FE MEBT                          |  |  |  |
|  |  |  |  | XXX ± .005                               |  |  |  | DELIVER TO       |  |  |  | QUADRUPOLE MAGNET                      |  |  |  |
|  |  |  |  | FINISH 125/7                             |  |  |  | TREATMENT        |  |  |  | 42MM APERTURE QUADRUPOLE WITH STEERING |  |  |  |
|  |  |  |  | THREADS ARE CLASS 2                      |  |  |  | DEGREASE         |  |  |  | PATENT CLEAR                           |  |  |  |
|  |  |  |  | CHAMFER ENDS OF ALL SCREW THREADS 30°    |  |  |  | TAG              |  |  |  | DWS. TYPE                              |  |  |  |
|  |  |  |  | ON MACHINE CUT THREADS                   |  |  |  | BY Y. MINAMIHARA |  |  |  | ASSEMBLY                               |  |  |  |
|  |  |  |  | BREAK EDGES .016 MAX. ON MACHINED WORK   |  |  |  | 12-15-99         |  |  |  | CATEGORY CODE                          |  |  |  |
|  |  |  |  | REMOVE BURRS WELD SPLATTER & LOOSE SCALE |  |  |  | DATE             |  |  |  | FE3312                                 |  |  |  |
|  |  |  |  | REFERENCES: ANSI Y14.5 & B46.1           |  |  |  |                  |  |  |  | 25B1596                                |  |  |  |
|  |  |  |  |                                          |  |  |  |                  |  |  |  | D                                      |  |  |  |