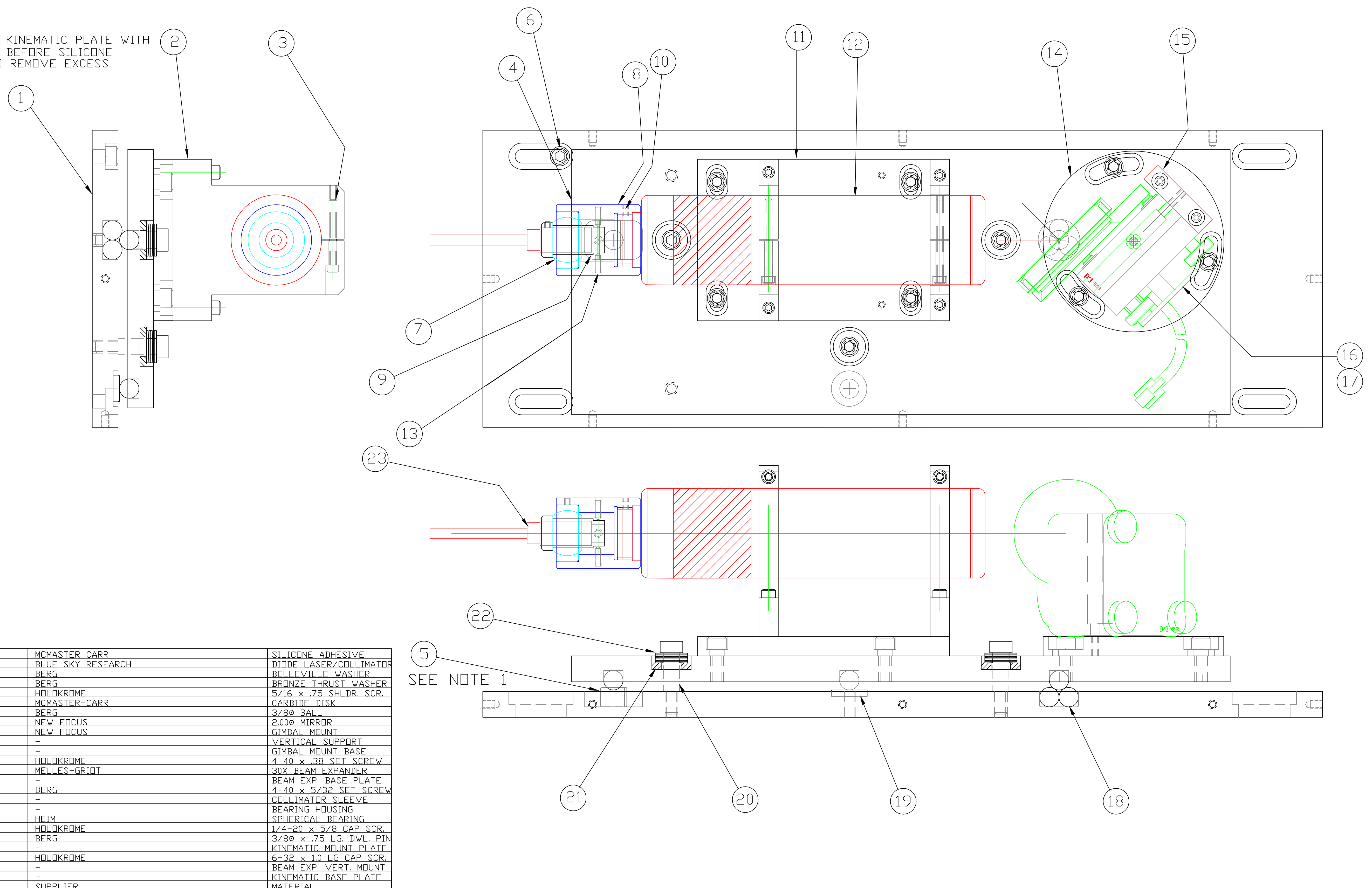


NOTES

- ASSEMBLE BASE AND KINEMATIC PLATE WITH ITEMS 20,21, AND 22 BEFORE SILICONE ADHESIVE IS DRY TO REMOVE EXCESS.



|     |     |              |                   |                         |
|-----|-----|--------------|-------------------|-------------------------|
| 24  | A/R | 7547A697     | MCMASER CARR      | SILICONE ADHESIVE       |
| 23  | 1   | FBC019-950nm | BLUE SKY RESEARCH | DIODE LASER/COLLIMATOR  |
| 22  | 15  | ST-6         | BERG              | BELLEVILLE WASHER       |
| 21  | 3   | CD2-5        | BERG              | BRONZE THRUST WASHER    |
| 20  | 3   | 08022        | HOLOKROME         | 5/16 x .75 SHLDR. SCR.  |
| 19  | 1   | 3289A62      | MCMASER-CARR      | CARBIDE DISK            |
| 18  | 6   | PT4-12       | BERG              | 3/8" BALL               |
| 17  | 1   | 5121         | NEW FOCUS         | 2.00" MIRROR            |
| 16  | 1   | 8812         | NEW FOCUS         | GIMBAL MOUNT            |
| 15  | 1   | D970109-00-D | -                 | VERTICAL SUPPORT        |
| 14  | 1   | D970108-00-D | -                 | GIMBAL MOUNT BASE       |
| 13  | 4   | 32028        | HOLOKROME         | 4-40 x .38 SET SCREW    |
| 12  | 1   | 09_LBM_017   | MELLES-GRIOT      | 30X BEAM EXPANDER       |
| 11  | 1   | D970107-00-D | -                 | BEAM EXP. BASE PLATE    |
| 10  | 1   | SC8-5        | BERG              | 4-40 x 5/32 SET SCREW   |
| 9   | 1   | D970106-00-D | -                 | COLLIMATOR SLEEVE       |
| 8   | 1   | D970105-00-D | -                 | BEARING HOUSING         |
| 7   | 1   | LHSS-9       | HEIM              | SPHERICAL BEARING       |
| 6   | 12  | 78056        | HOLOKROME         | 1/4-20 x 5/8 CAP SCR.   |
| 5   | 2   | D30-6        | BERG              | 3/8" x .75 LG. DWL. PIN |
| 4   | 1   | D970104-00-D | -                 | KINEMATIC MOUNT PLATE   |
| 3   | 10  | 72050        | HOLOKROME         | 6-32 x 1.0 LG. CAP SCR. |
| 2   | 2   | D970103-00-D | -                 | BEAM EXP. VERT. MOUNT   |
| 1   | 1   | D970110-00-D | -                 | KINEMATIC BASE PLATE    |
| REF | QTY | PART NO.     | SUPPLIER          | MATERIAL                |

SEE NOTE 1

|  |  |  |  |   |  |   |  |   |  |
|--|--|--|--|---|--|---|--|---|--|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES |  | TOLERANCES:<br>FRACTIONAL ± 1/16(.16)<br>ANGULAR ± 1°<br>TWO PLACE DECIMAL ± .01(.025)<br>THREE PLACE DECIMAL ± .005(.013) |  | FINISHED SURFACE RMS 63<br>BREAK CORNERS IN. OUT. .02<br>REMOVE ALL BURRS |  |   |  | <b>LIGO</b><br>CALIFORNIA INSTITUTE OF TECHNOLOGY<br>MASSACHUSETTS INSTITUTE OF TECHNOLOGY<br>980 nm LIGHT SOURCE ASSY<br>OPTICAL LEVER |  |
| MATERIAL: -  |  | HEAT TREAT: -  |  | FINISH: -   |  | A INITIAL RELEASE<br>00 PRE-RELEASE         |  | MASON 5/98<br>MASON 4/97  |  |
| USED ON: -   |  | NEXT ASS'Y: -  |  | REV   |  | DCC SYS DET CDS VE CC BT CHECK<br>DRWN DATE |  | CAD FILE D970161-A.DWG<br>SCALE FULL  |  |
| DESCRIPTION  |  | DESCRIPTION  |  | DESCRIPTION   |  | DESCRIPTION                                 |  | DWG. NO. REFERENCE DRAWINGS<br>SHEET 1 of 1   |  |