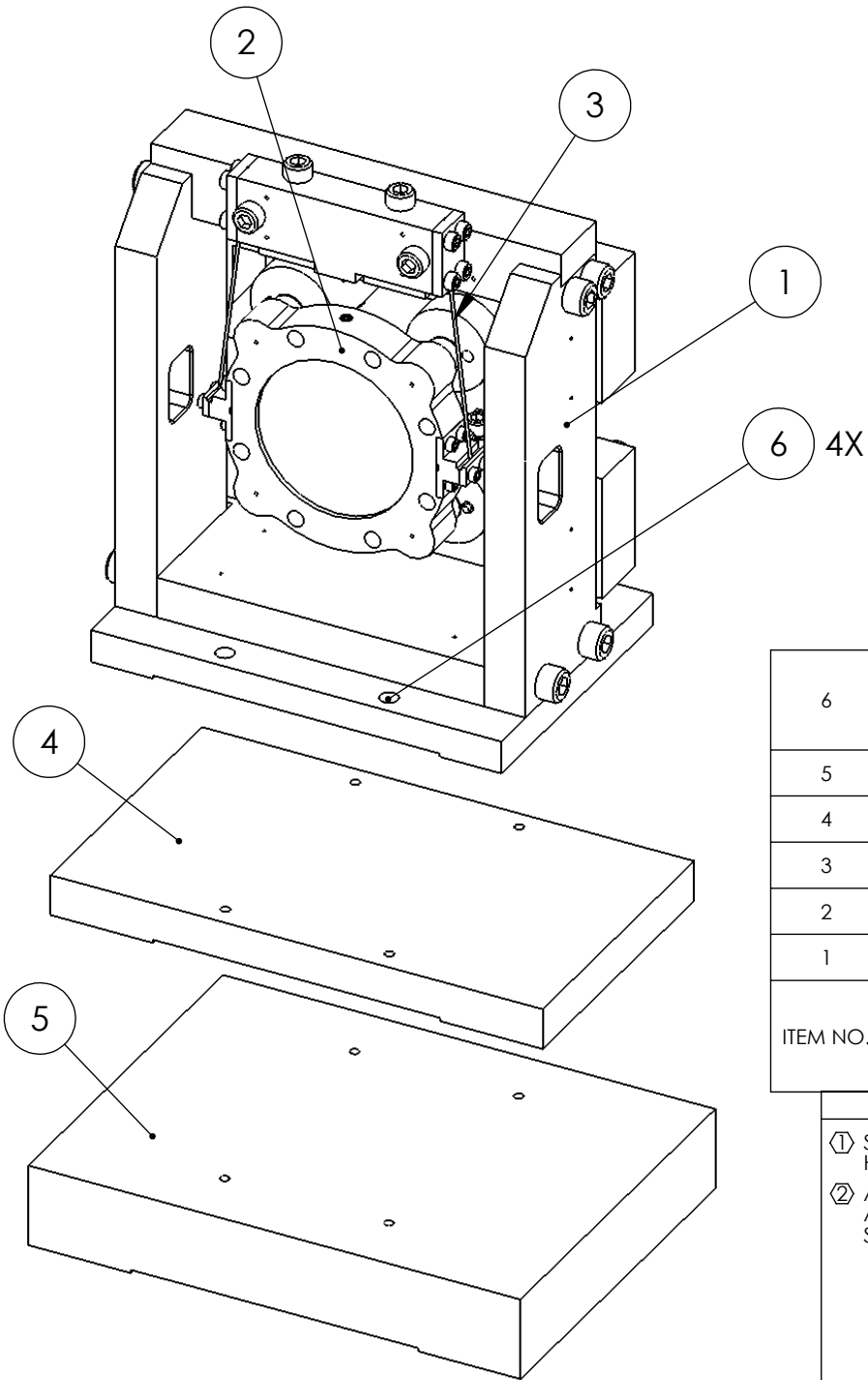


| REV. | DATE       | DCN #   | DRAWING TREE # |
|------|------------|---------|----------------|
| A    | 6 AUG 2008 | E080422 |                |
|      |            |         |                |



| ITEM NO. | REQ                      | PART NUMBER | DESCRIPTION  | MATERIAL   |
|----------|--------------------------|-------------|--|------------|
| 6        | 4                        | -           | SCREW, SOCKET HEAD CAP, #4-40 X 1.5" LG $\text{\textcircled{2}}$ | 300 SSSL   |
| 5        | $\text{\textcircled{1}}$ | D080452     | BASE SHIM (1 INCH)   | 6061-T6 AL |
| 4        | $\text{\textcircled{1}}$ | D080451     | BASE SHIM (0.5 INCH)   | 6061-T6 AL |
| 3        | A/R                      | -           | .015" Steel Music Wire   |            |
| 2        | 1                        | D080058     | MIRROR ASSEMBLY  | --         |
| 1        | 1                        | D080448     | STRUCTURE ASSY (PASSIVE)   | --         |

NOTES: (UNLESS OTHERWISE SPECIFIED)

- $\text{\textcircled{1}}$  SHIMS ARE USED TO INCREASE HEIGHT OF OPTIC AS NEEDED.
- $\text{\textcircled{2}}$  ADJUST LENGTH OF CAP SCREWS AS NECESSARY TO FASTEN SHIMS TO STRUCTURE BASE.

DIMENSIONS ARE IN INCHES

TOLERANCES:

.XX ± 0.01

.XXX ± 0.005

ANGULAR ± 0.5 °

MATERIAL

--

FINISH

-- μ inch

|          | NAME     | DATE        |
|----------|----------|-------------|
| DRAWN    | M. MEYER | 31 JUL 2008 |
| CHECKED  | J. ROMIE | 4 AUG 2008  |
| APPROVED |          |             |

CALIFORNIA INSTITUTE OF TECHNOLOGY  
**LIGO** MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
 IGR, GLASGOW UNIVERSITY GEO 600 GROUP

SYSTEM ADVANCED LIGO

SUB-SYSTEM SUS

NEXT ASSY TOP ASSEMBLY

PART NAME TIP-TILT ASSY (PASSIVE)

SIZE DWG. NO. D080447

REV. A

SCALE: 1:2 PROJECTION:  $\text{\textcircled{1}}$  SHEET 1 OF 1