| | 4 | | 3 | 1 | | 2 | | 1 | |
|--|--|--------------------------------|------------------------|--------------------|---|--|--|-------------------------------|--|
| NUMBER & REVISION NUMB NUMBERS START AT 001 FOR PROCEED CONSECUTIVELY. | A UNIQUE THREE DIGIT SERIAL ER ON EACH PART, SERIAL THE FIRST ARTICLE AND BAG AND TAG PARTS WITH | | | | | | dcn # E1400397-x0 E1400397-x0 - | DRAWING TREE # - - - | |
| THEIR DRAWING PART NUMI "TYPE" (IF APPLICABLE), AND TOO SMALL TO SCRIBE, BAC ALONE IS SUFFICIENT. EXAMPLE (PART): 001-v1 EXAMPLE (TAG): DXXXXXXX |) QUANTITY, IF PARTS ARE GING AND TAGGING -VY, TYPE-XX, QTY: TBD | | | | | | | | |
| 6. MACHINE ALL SURFACES TO USE OF ABRASIVE REMOVA REFER TO LIGO-E0900364 |) REMOVE OXIDES AND MILL FINISH, L TECHNIQUES IS NOT ALLOWED. | , | TABLE 1 | | | | | | |
| 7. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364. | | ТҮРІ | $ \phi' A' $ (INCHES) | DIA. TOLERANCES | MATERIAL | GRADE | SUGG | SUGGESTED SOURCE | |
| 8. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS, PLUGS OR RECYCLED MATERIAL). NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. REFER TO LIGO-E0900364. | | | .0280 | +/0002 | SSTL | 301, 302, 304, 316, OR 317 | | y's tubes and Vires, inc. | |
| NOTE 6 NOT APPLICABLE. TIGHT TOLERANCES PRECL | NOTE 6 NOT APPLICABLE. GRINDING OPERATIONS ARE ACCEPTABLE. TIGHT TOLERANCES PRECLUDE MACHINING. | | .0300 | TBD | TITANIUM | CP GRADE 1 | | COR METALS | |
| | | | .0280 | +/0001 | TUNGSTEN | СР | SATUI | SATURN INDUSTRIES | |
| ر'∅ 00. ∅ | | | | | | 2X | 175° | | |
| 3 | | <u> </u> | | | | | | | |
| _ | | - | | —— 1.250 — | | | | | |
| A NOT | ES AND TOLERANCES: (UNLESS OTHE | | | 71111 | | DARTMANE | | | |
| DIMENSIONS ARE IN INCHES | 1. INTERPRET DRAWING PER ASME Y14.5 2. REMOVE ALL SHARP EDGES, .005013 | | | | STITUTE OF TECHNOLOGY S INSTITUTE OF TECHNOLOG | aligo, surface c | HARGE CONTRC | LIONIZER, NEEDL | |
| TOLERANCES: .XX ± .01 .XXX ± .005 | DO NOT SCALE FROM DRAWING. ALL MACHINING FLUIDS MUST BE FUL SULFUR, SILICONE, AND CHLORINE. | LY SYNTHETIC, FULLY WATER SOLU | | ADVANCED | LIGO SYSTEM | DESIGNER D.COYNE DRAFTER E.SANCHEZ 13 OCT 201 | size dwg. no. | 00350 | |
| ANGULAR ± 0.5° | MATERIAL SEE TABL | F 1 | sн /9\ uinch | IEXT ASSY | 0331 | CHECKER SEE DCC SEE DCC | | | |

D1400350 aLIGO, SURFACE CHARGE CONTROL IONIZER, NEEDLE, PART PDM REV: X-004, DRAWING PDM REV: X-016

SEE TABLE 1

4

finish (9)

µinch

3

D1400331

2

APPROVAL

SEE DCC

SEE DCC SCALE: 4:1 PROJECTION:

SHEET 1 OF 1

1

В

D

С

А