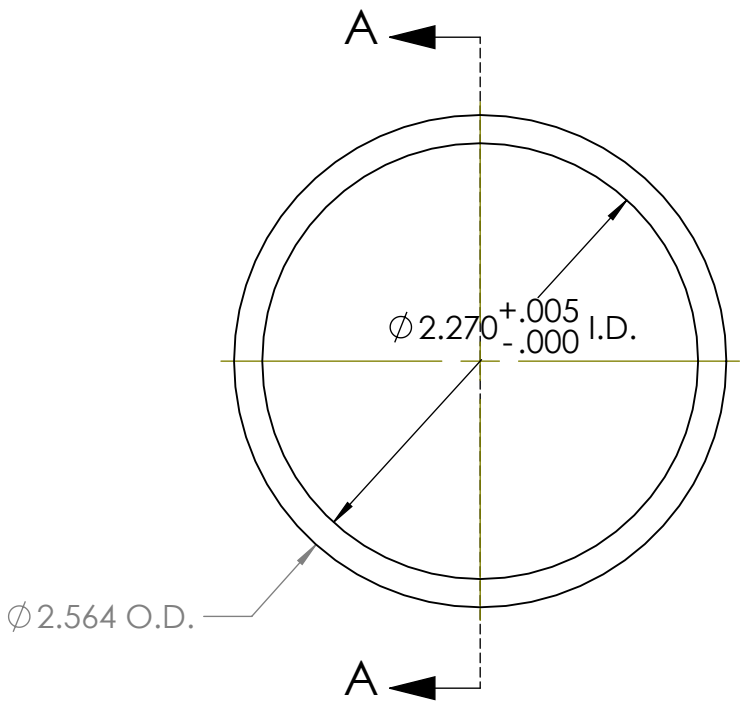
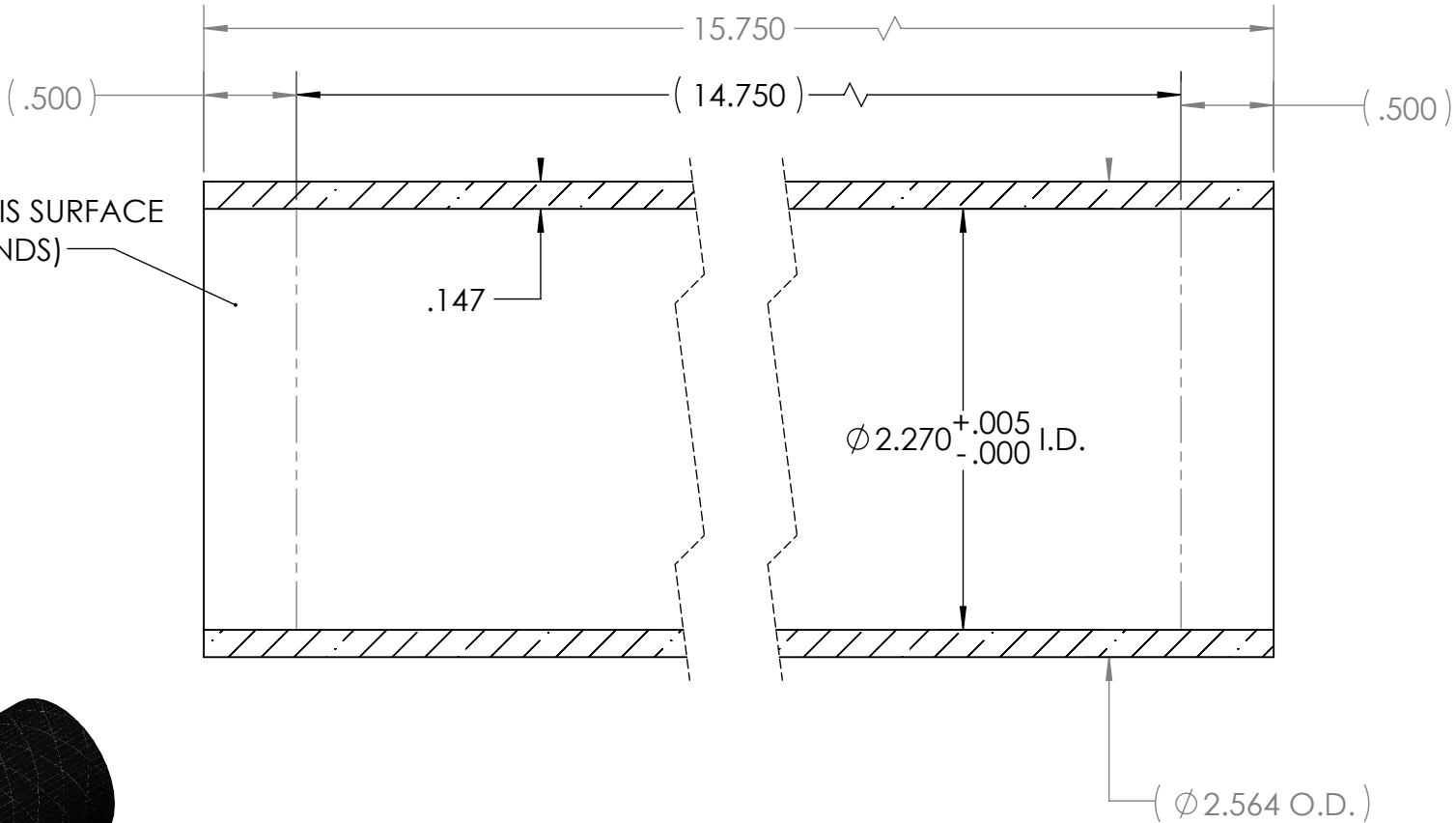


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| REVISIONS |     |                        |          |          |
|-----------|-----|------------------------|----------|----------|
| ZONE      | REV | DESCRIPTION            | DATE     | APPROVED |
| A3, B3    | A   | ADDED MASKING CALL-OUT | 8/9/2021 | J.E.     |



**A** 9. MASK THIS SURFACE (BOTH ENDS)



SECTION A-A  
SCALE 1 : 1

SWD = 2000m

- 9. FINISH: TWO COATS, AWLGRIP TOPCOAT FEDERAL YELLOW G9298. or EQUAL. MASK SURFACES AS SHOWN.
- 8. LM Graphite-Epoxy, 12 layers @ +/- 60 deg.
- 7. PROJECT LIBRARY:\ChemSensors\JonE\ISUS-APEX\_2000m\A-221483-20\_CompositeHsg

NOTES: (CONT. FROM TITLE BLOCK)

|                       |                  |                                                                                                           |                                |                                                      |                           |
|-----------------------|------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------|---------------------------|
| 1                     | 1                | P-221483-20                                                                                               | ISUS-APEX_2000m Composite Tube | Amalga Composites                                    | Amalga- LM Graphite-Epoxy |
| ITEM NO.              | QTY.             | Part_Number                                                                                               | DESCRIPTION                    | Vendor                                               | MATERIAL                  |
| BILL OF MATERIALS     |                  |                                                                                                           |                                |                                                      |                           |
| Shop / Q.C.           |                  | UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:                                                                |                                | APPROVALS DATE                                       |                           |
| Inspector             |                  | 1 PLACE DIM ±1/16                                                                                         | 2 PLACE DIM ±.02               | 3 PLACE DIM ±.005                                    | ANGLES ±1°                |
| Shop Foreman          |                  | 1. DIMENSIONS ARE IN INCHES                                                                               |                                | DRAWN J. ERICKSON 7/24/20                            |                           |
| Engineer              |                  | 2. DIMENSION LIMITS HELD AFTER PLATING.                                                                   |                                | ENGINEER J. ERICKSON 7/24/20                         |                           |
|                       |                  | 3. REMOVE BURRS AND SHARP EDGES .015 MAX.                                                                 |                                | CHECKED                                              |                           |
|                       |                  | 4. MACHINED FILLET RADII .0150-.030.                                                                      |                                | PROJECT NO. 901217                                   |                           |
| NEXT ASSY Description | NEXT ASSY Number | 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005                                       |                                | PROJECT Chem S.                                      |                           |
|                       | Hsg_V4           | 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE. |                                | WEIGHT 1.002                                         |                           |
| Application           |                  | DO NOT SCALE DRAWING                                                                                      |                                | SIZE B DWG. NO. P-221483-20.DWG                      |                           |
|                       |                  |                                                                                                           |                                | SCALE 1:2 CAD FILE: MECH ENG ON TORNADO SHEET 1 OF 1 |                           |

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ISUS-APEX\_2000m  
ISUS-APEX\_2000m Composite Tube