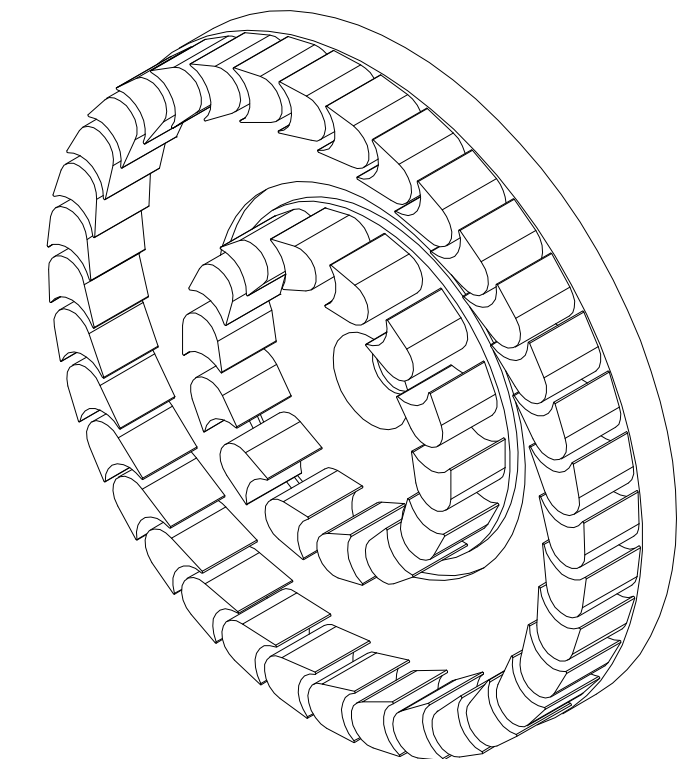
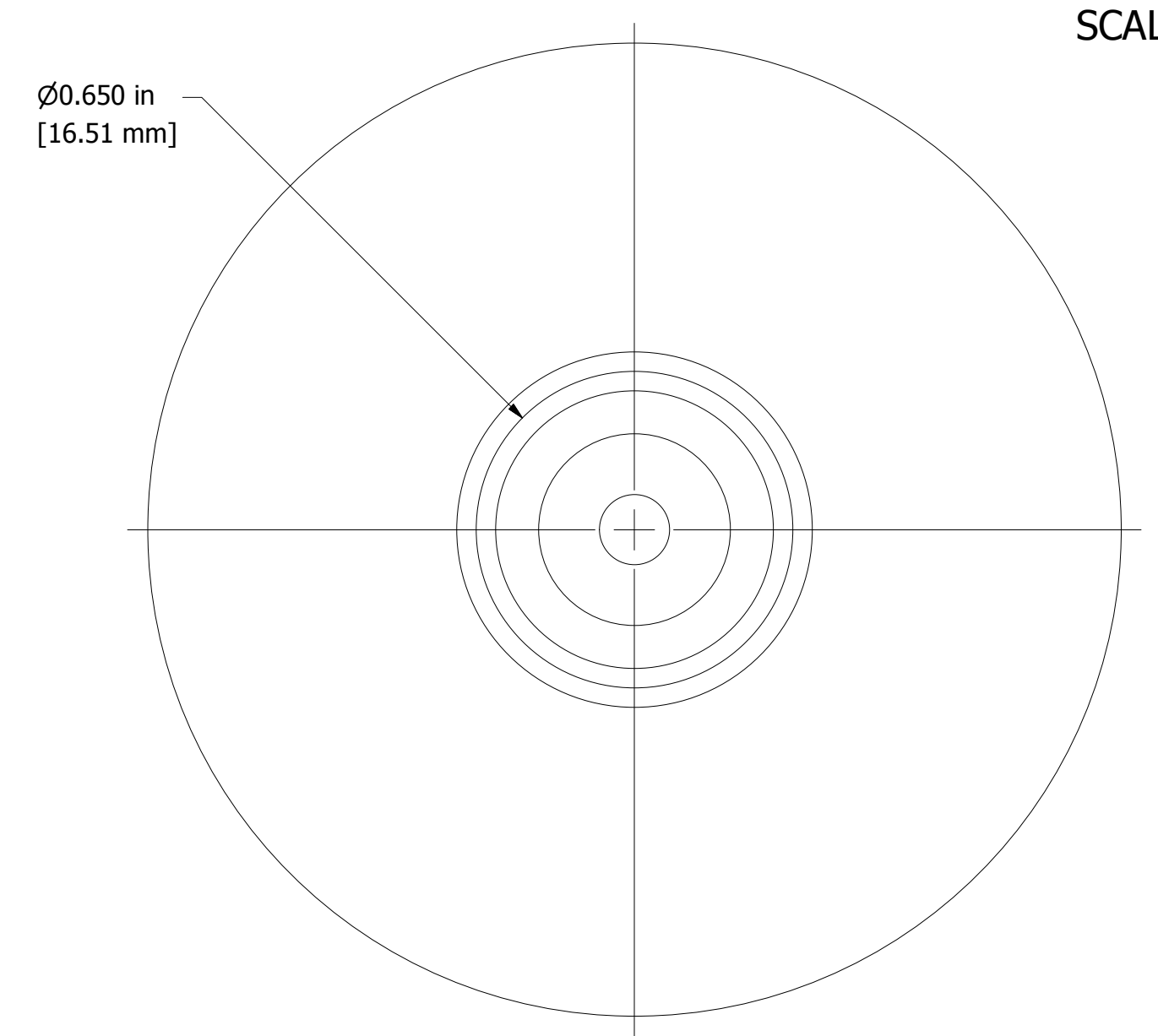


**Notes:**

1. - CAD is maintained and any discrepancy between Solid model dataset and supplied prints, the Solid model takes precedence.
2. - Material to be 304 Stainless Steel Stock or Equivalent to Handle High Pressure CO2.
3. - Turbine bore concentricity to Front bearing block bore to be .002"

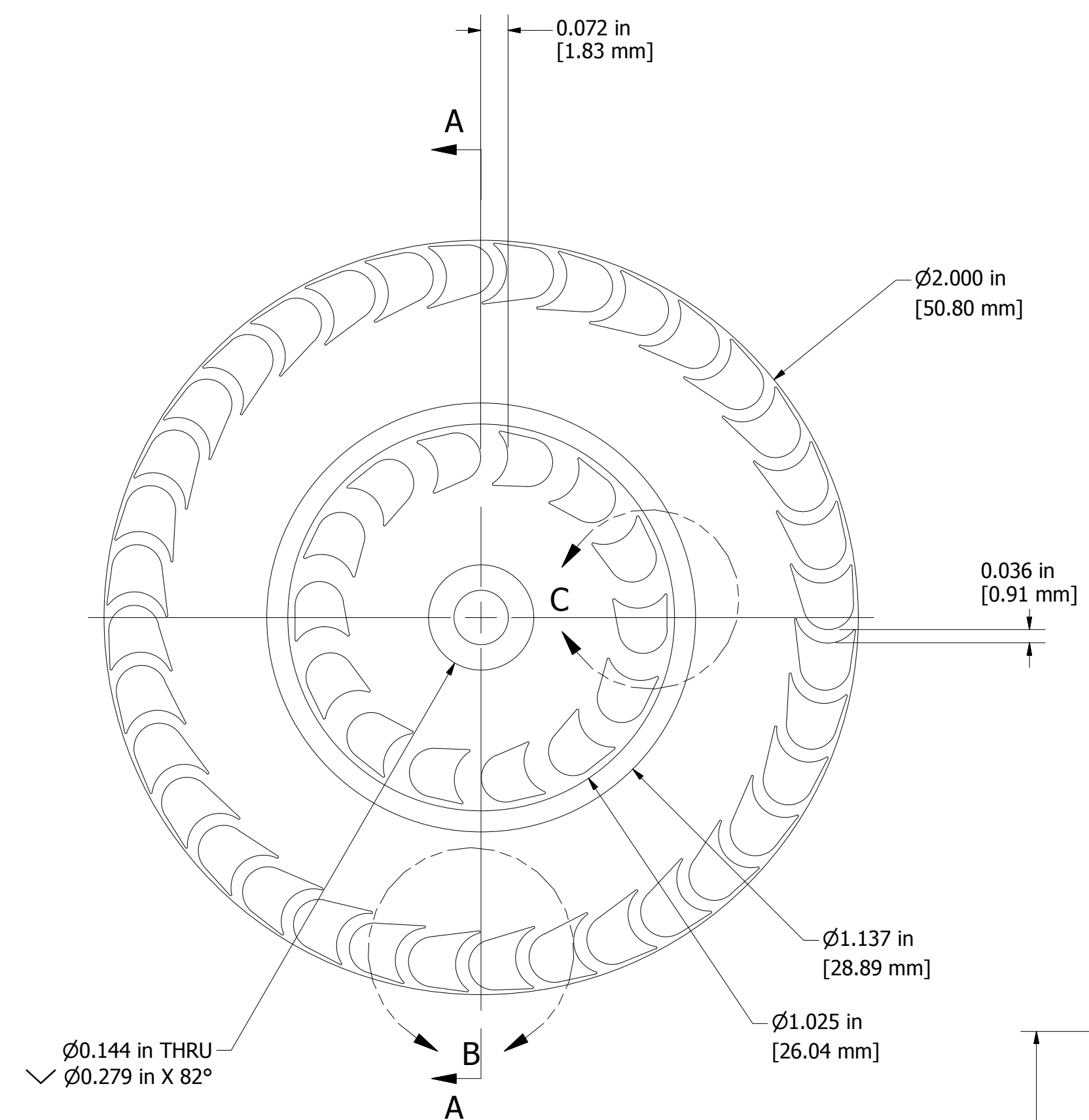


**3D VIEW  
SCALE 2 : 1**



**BACK VIEW  
SCALE 3 : 1**

Ø0.650 in  
[16.51 mm]



**FRONT VIEW  
SCALE 3 : 1**

Ø0.144 in THRU  
Ø0.279 in X 82°

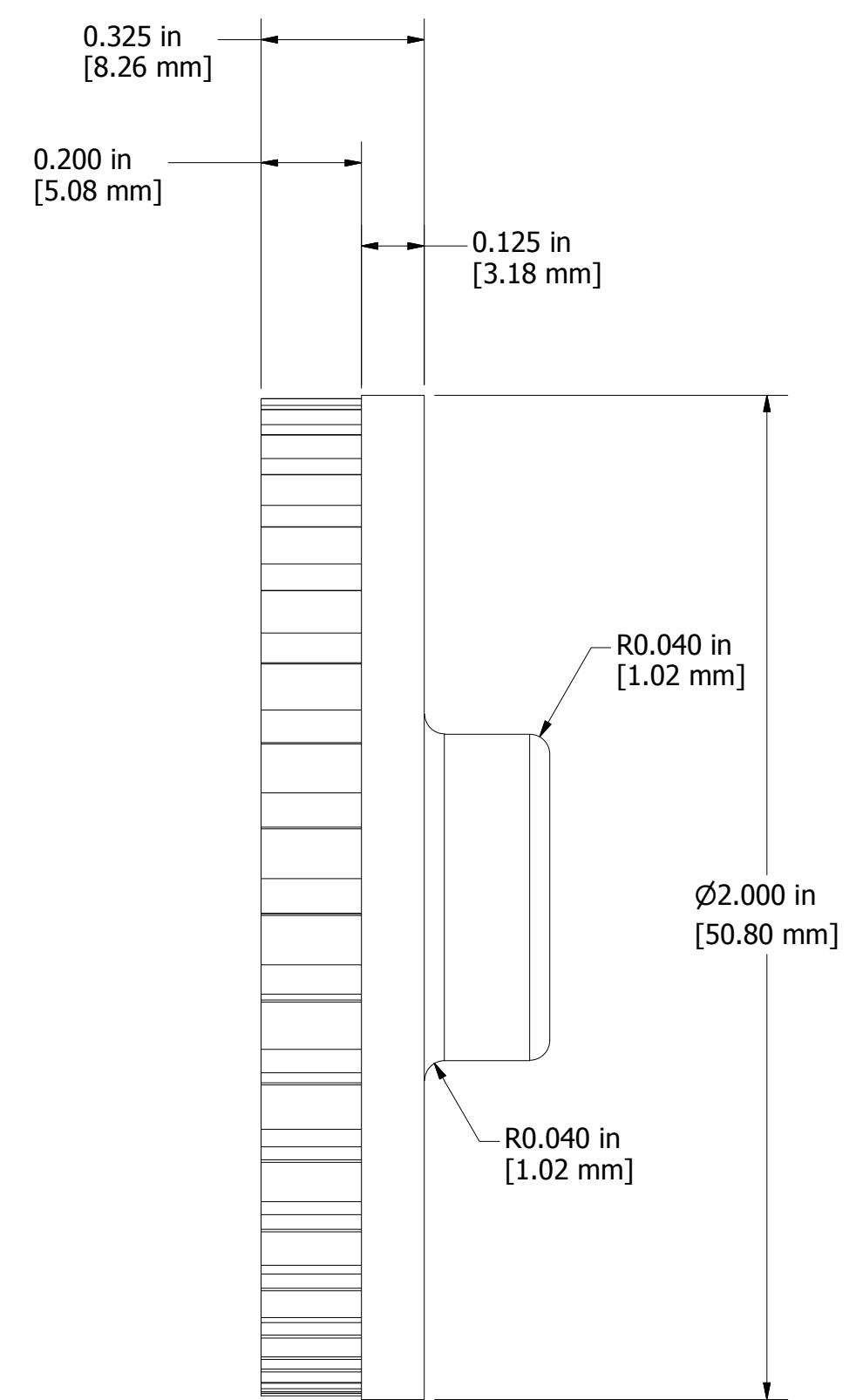
Ø2.000 in  
[50.80 mm]

Ø1.137 in  
[28.89 mm]

Ø1.025 in  
[26.04 mm]

0.036 in  
[0.91 mm]

0.072 in  
[1.83 mm]



**SIDE VIEW  
SCALE 3 : 1**

0.325 in  
[8.26 mm]

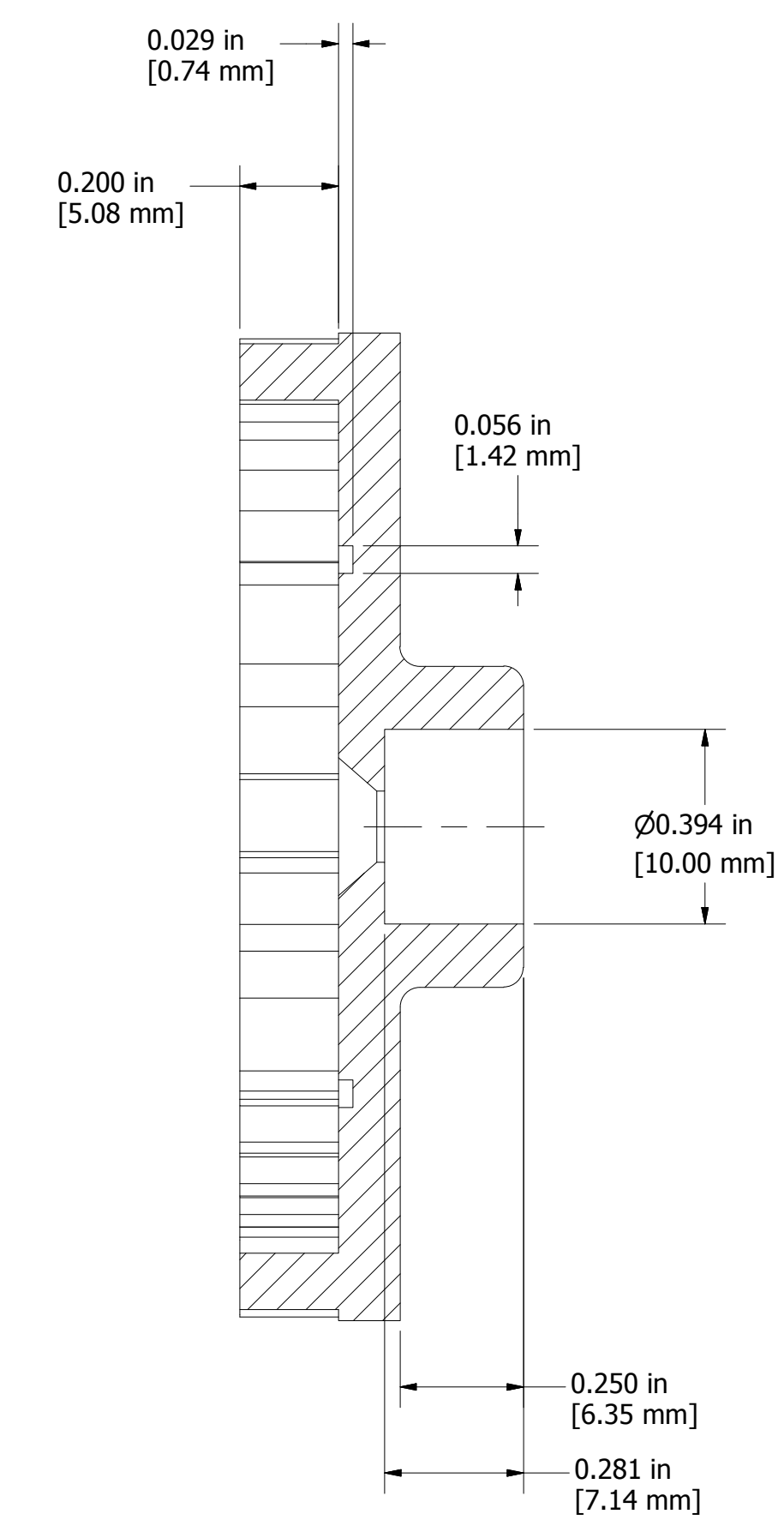
0.200 in  
[5.08 mm]

0.125 in  
[3.18 mm]

R0.040 in  
[1.02 mm]

R0.040 in  
[1.02 mm]

Ø2.000 in  
[50.80 mm]



**SECTION A-A  
SCALE 3 : 1**

0.029 in  
[0.74 mm]

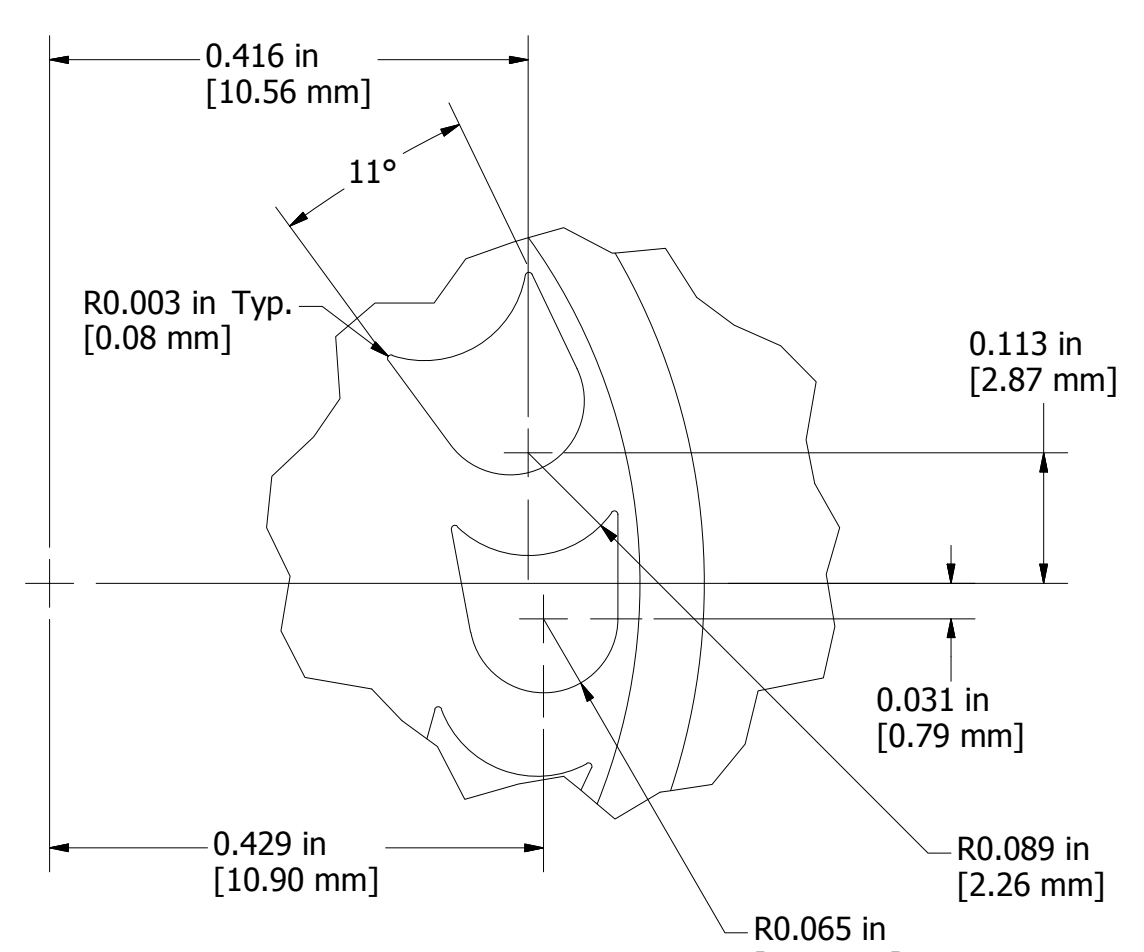
0.200 in  
[5.08 mm]

0.056 in  
[1.42 mm]

Ø0.394 in  
[10.00 mm]

0.250 in  
[6.35 mm]

0.281 in  
[7.14 mm]



**DETAIL C  
SCALE 6 : 1**

0.416 in  
[10.56 mm]

R0.003 in Typ.  
[0.08 mm]

0.113 in  
[2.87 mm]

0.031 in  
[0.79 mm]

R0.089 in  
[2.26 mm]

R0.065 in  
[1.64 mm]

0.429 in  
[10.90 mm]

R0.086 in  
[2.18 mm]

R0.067 in  
[1.70 mm]

0.913 in  
[23.19 mm]

0.920 in  
[23.36 mm]

R0.003 in Typ.  
[0.08 mm]

0.019 in  
[0.47 mm]

0.126 in  
[3.19 mm]

15°

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITY TURBINE, LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITY TURBINE, LLC IS PROHIBITED.

|                                      |                |            |
|--------------------------------------|----------------|------------|
| UNLESS OTHERWISE NOTED:              | DRAWN<br>Eddie | 10/23/2012 |
| DIMENSIONS ARE IN INCHES             | CHECKED        |            |
| TOLERANCES:                          | QA             |            |
| FRACTIONAL: ±                        | MFG            |            |
| ANGULAR: MACH ± 0.1 BEND ±           | APPROVED       |            |
| TWO PLACE DECIMAL ± 0.01             |                |            |
| THREE PLACE DECIMAL ± 0.002          |                |            |
| INTERPRET GEOMETRIC TOLERANCING PER: |                |            |
| ANSI Y14.5                           |                |            |
| MATERIAL: 304 SS or Equivalent       |                |            |
| FINISH: N/A                          |                |            |
| DO NOT SCALE DRAWING                 |                |            |

Turbine/Housing Covered Under Patents: 7146999, 7726331

**INFINITY TURBINE**

TITLE  
CO2T - Expander / Turbine

SIZE D DWG NO CO2T\_Expander\_20121023 REV  
SCALE SHEET 1 OF 1

Copyright 2012 - Infinity Turbine, LLC