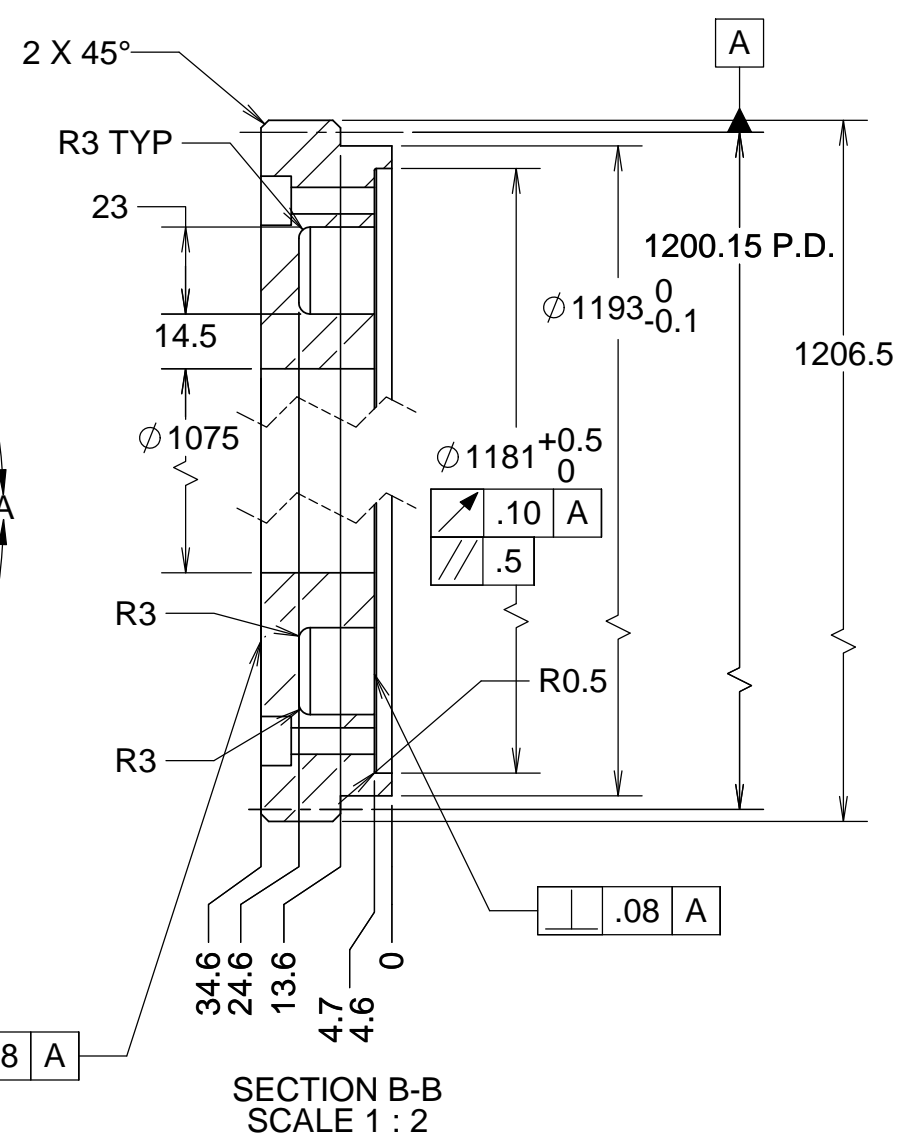
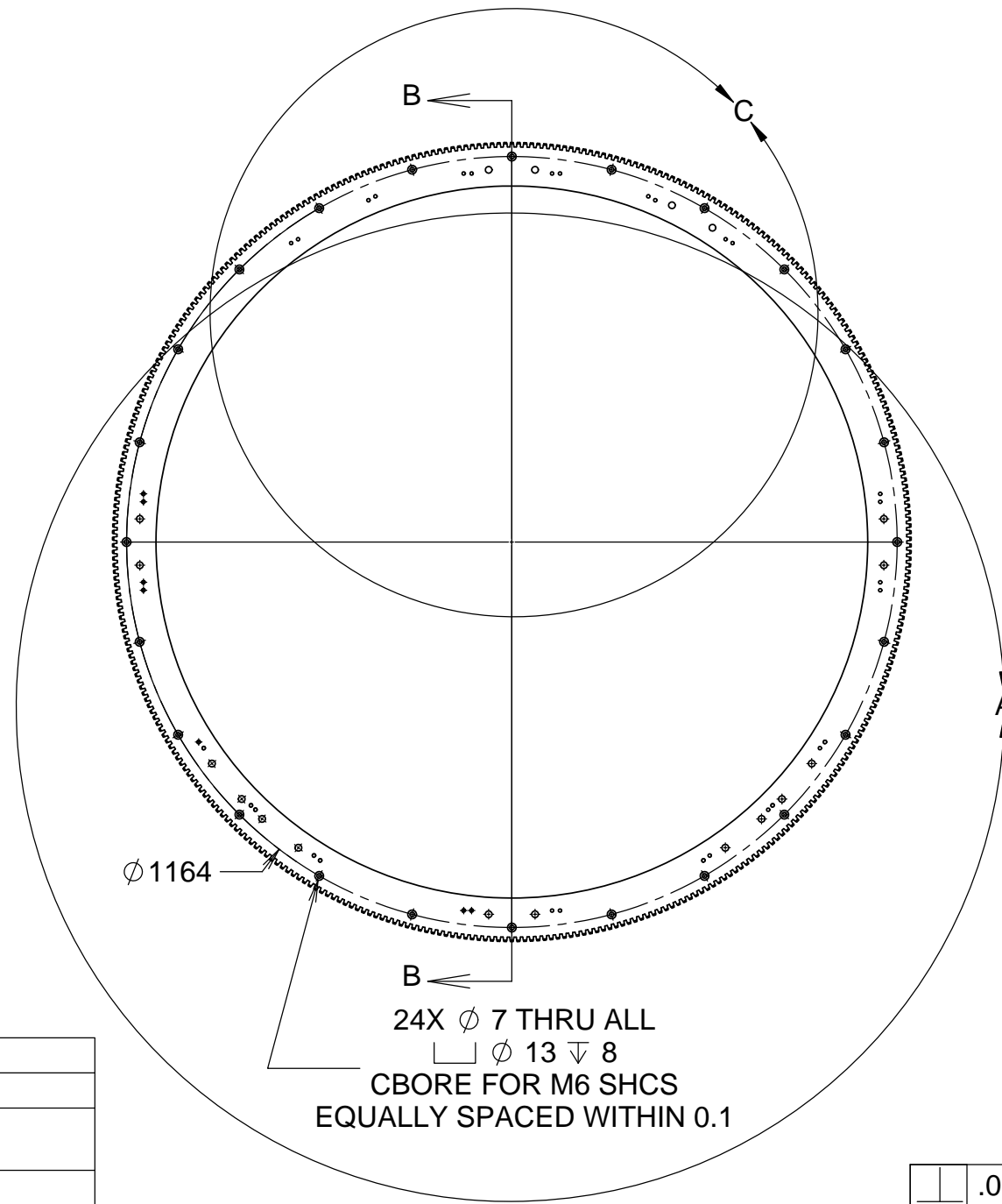


| REVISIONS | | | | |
|-----------|---------|-------|-----|-----------------------|
| DRWN | DATE | CHK'D | REV | DESCRIPTION |
| CR | 14JAN16 | | A | PRELIMINARY RELEASE |
| CR | 26APR16 | | B | ADDED HOLES ON PAGE 3 |



GEAR DATA

| | |
|------------------------|---------------------|
| TOOTH FORM | FULL DEPTH INVOLUTE |
| ADDENDUM | 3.175 |
| WHOLE DEPTH | 7.1 |
| MODULE | 3.175 |
| PRESSURE ANGLE | 20 DEG |
| PITCH DIAMTER | 1200.15 |
| NUMBER OF TEETH | 378 |
| FACE WIDTH | 21.0 |
| TOOTH SURFACE HARDNESS | 250-300 BHN |
| TOOTH CORE HARDNESS | 250-300 BHN |
| TOOTH FINISH | 1.6 |
| INTENTIONAL BACKLASH | NONE |
| AGMA CLASS | 10 |

GEAR TOLERANCE (PER AGMA 390.32)

| | |
|--|-------|
| RADIAL RUNOUT | 0.4 |
| TOOTH TO TOOTH SPACING | 0.06 |
| LEAD ERROR ACROSS THE FACE | 0.03 |
| PROFILE TOLERANCE | 0.09 |
| LEAD VARIATION (PARALLELISM) ACROSS THE FACE | 0.006 |

NOTES:

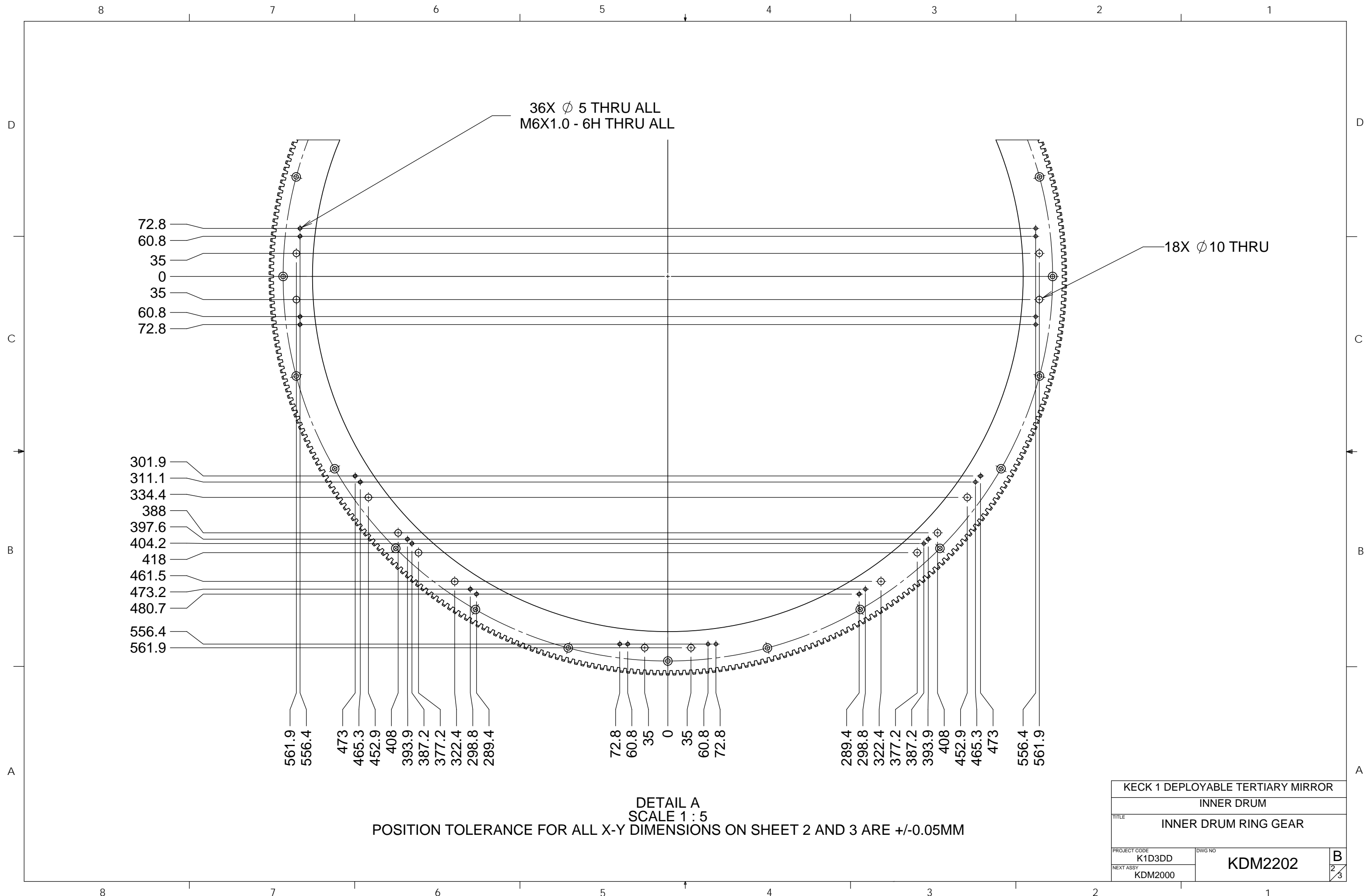
1. GEOMETRIC TOLERANCES AND DIMENSIONS PER ASME Y14.5-2009
2. MATERIAL: AISI-4130, GEAR TO MEET HARDNESS REQUIREMENTS SPECIFIED IN GEAR DATA BLOCK
3. BREAK ALL SHARP EDGES

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES & TOLERANCES ARE AS FOLLOWS

X.X: $\pm 0.1000''$ X.XX: $\pm 0.0100''$
 X.XXX: $\pm 0.0050''$ X.XXXX: $\pm 0.0001''$
 ANGLES: $\pm 0.5^\circ$ FINISH: 125 MICRO INCHES
 BREAK ALL SHARP EDGES & CORNERS .002" MAX

| | |
|------------|--------|
| MATERIAL | FINISH |
| SEE NOTE 2 | -- |

| | | |
|--|--|--|
| | DRAWN C. RATLIFF CHECKED NA DESIGNED C. RATLIFF ENGINEER C. RATLIFF SW DOCUMENT FILE ROTATION GEAR.SLDPRT | KECK 1 DEPLOYABLE TERTIARY MIRROR INNER DRUM TITLE INNER DRUM RING GEAR QUANTITY 1 PROJECT CODE K1D3DD NEXT ASSY KDM2000 DWG NO KDM2202 REV B 1/3 |
|--|--|--|



36X Ø 5 THRU ALL
M6X1.0 - 6H THRU ALL

18X Ø 10 THRU

72.8
60.8
35
0
35
60.8
72.8

301.9
311.1
334.4
388
397.6
404.2
418
461.5
473.2
480.7
556.4
561.9

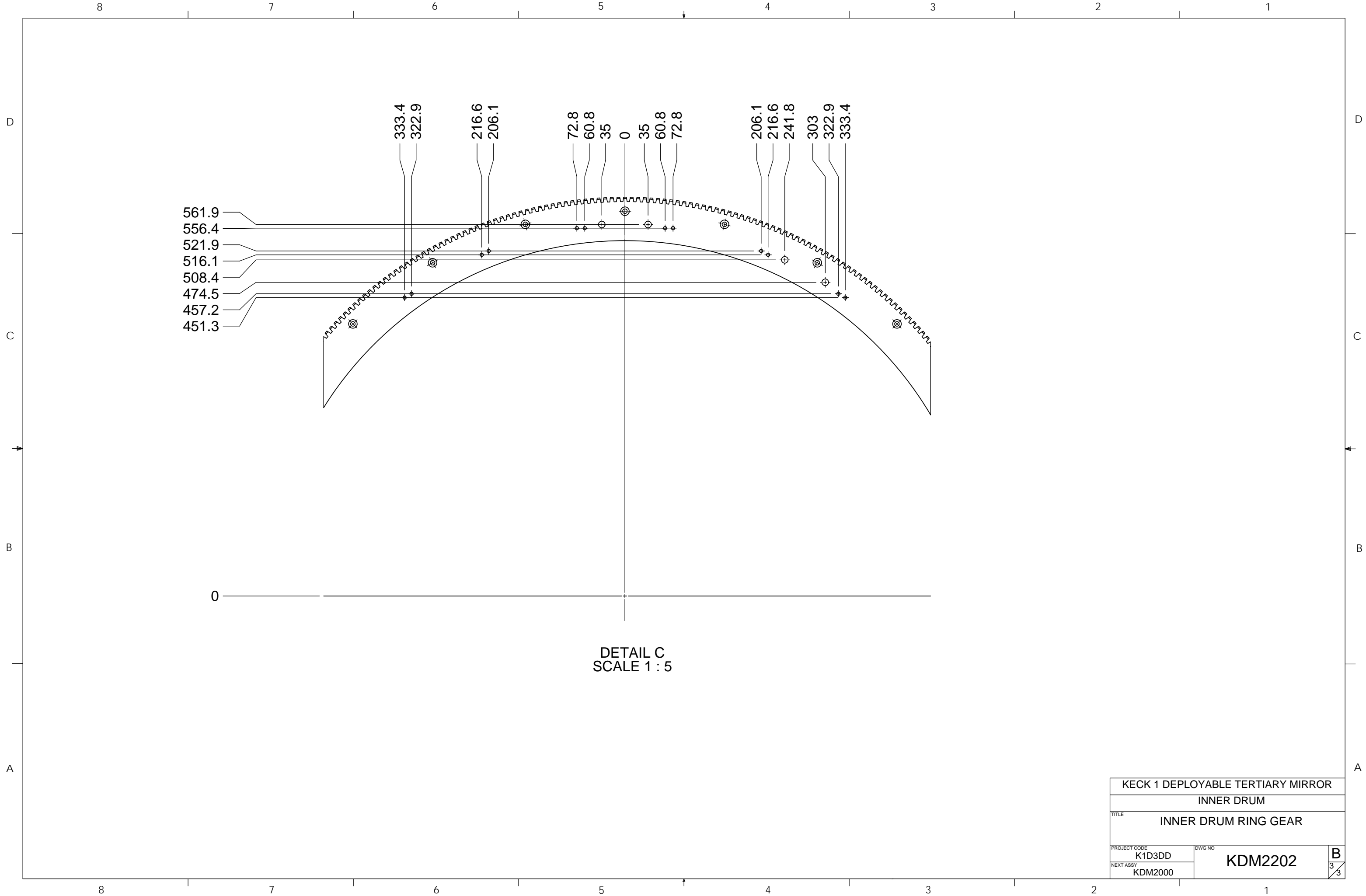
561.9
556.4
473
465.3
452.9
408
393.9
387.2
377.2
322.4
298.8
289.4

72.8
60.8
35
0
35
60.8
72.8

289.4
298.8
322.4
377.2
387.2
393.9
408
452.9
465.3
473
556.4
561.9

DETAIL A
SCALE 1 : 5
POSITION TOLERANCE FOR ALL X-Y DIMENSIONS ON SHEET 2 AND 3 ARE +/-0.05MM

| | |
|-----------------------------------|-------------------|
| KECK 1 DEPLOYABLE TERTIARY MIRROR | |
| INNER DRUM | |
| TITLE INNER DRUM RING GEAR | |
| PROJECT CODE K1D3DD | DWG NO KDM2202 |
| NEXT ASSY KDM2000 | B 2 3 |



DETAIL C
SCALE 1 : 5

| | |
|-----------------------------------|-------------------|
| KECK 1 DEPLOYABLE TERTIARY MIRROR | |
| INNER DRUM | |
| TITLE INNER DRUM RING GEAR | |
| PROJECT CODE K1D3DD | DWG NO KDM2202 |
| NEXT ASSY KDM2000 | B 3 3 |