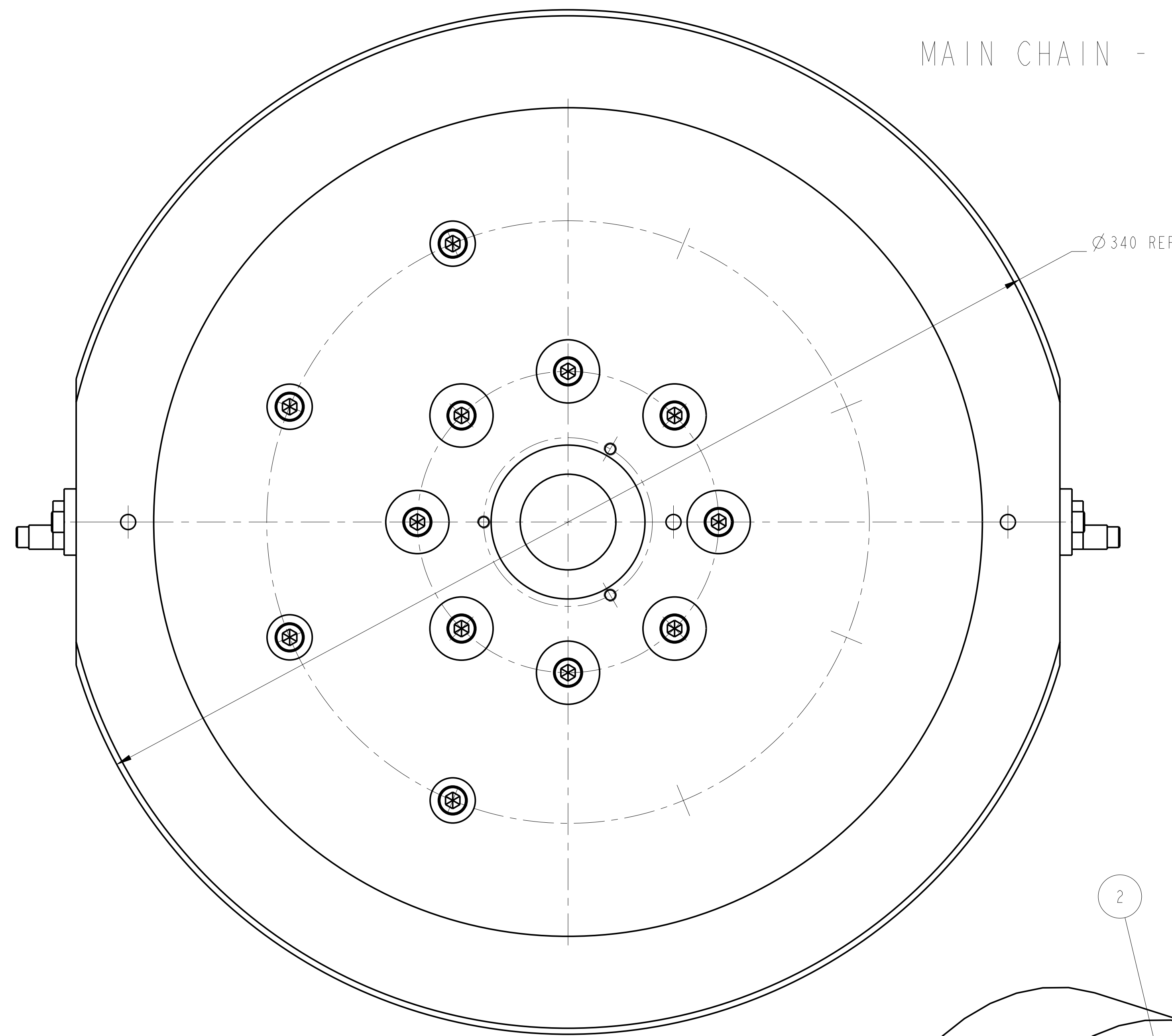
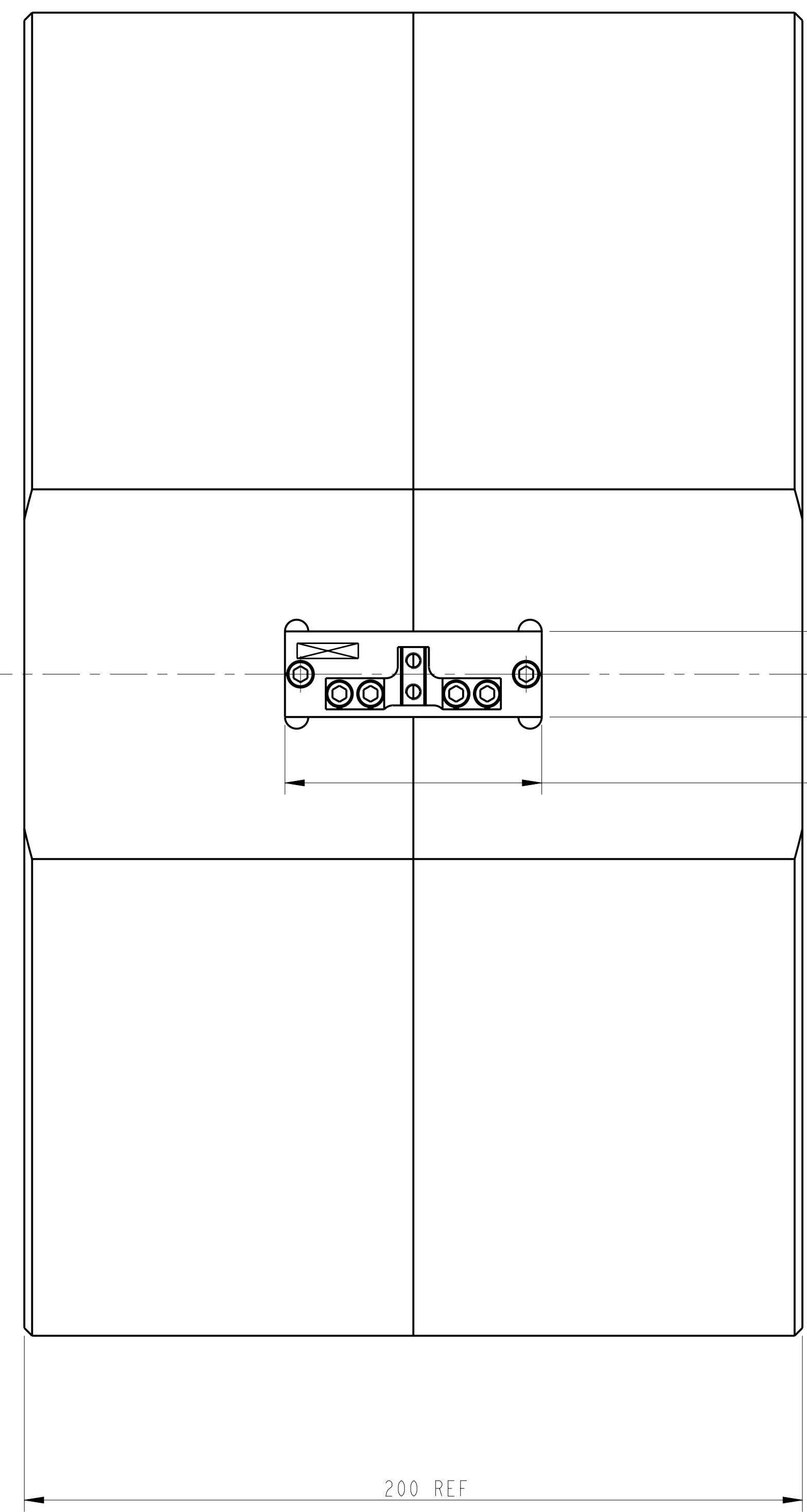


REV#	DATE	DCN #	DRAWING TITLE #
A	15/OCT/06	E060240	
B	20/DEC/07	E060240-B	
F	21/JULY/08	E080370	

MAIN CHAIN - TEST MASS DUMMY



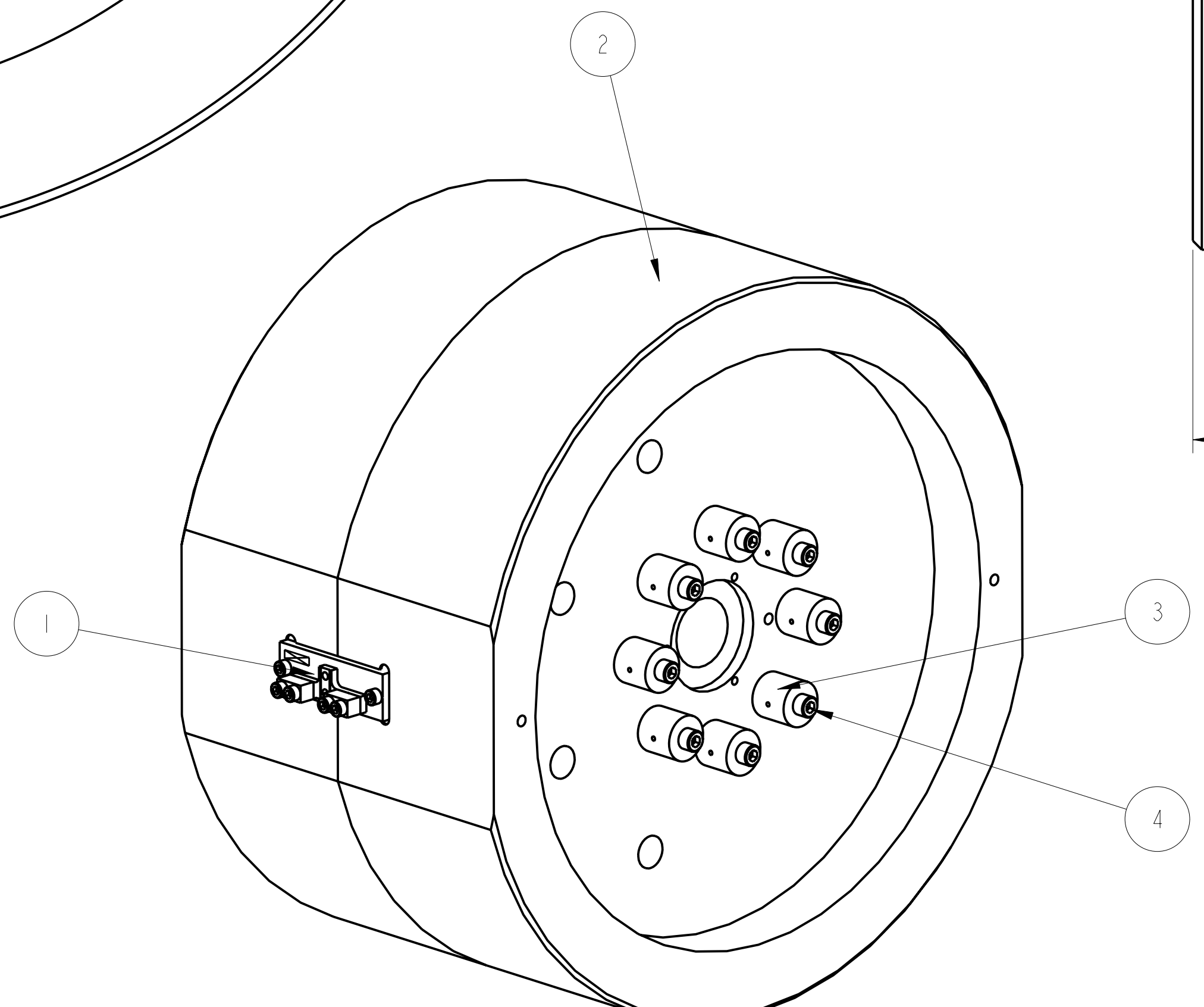
Ø 340 REF



66 REF

22 REF

200 REF



3D VIEW
SCALE 1:2

MASS AS SHOWN: 39.36 KG
(INCLUDES 16 X 50g REMOVABLE MASSES)

PRINCIPAL MOMENTS OF INERTIA:
 $I_{yy} = 397157.127 \text{ kg/mm}^2$
 $I_{xx} = 404370.263 \text{ kg/mm}^2$
 $I_{zz} = 608103.559 \text{ kg/mm}^2$

ITEM	QTY	SPARE	TOTAL	PART NUMBER	DESCRIPTION	MATERIALS
1	2			D060337	PENULTIMATE MASS WIRE CLAMP: -	AS DRW: AS DRAWN
2	2			D060358	DUMMY TEST MASS SIDE: .	AL ALLOY: 5083
3	16			D060359-050.0	ADDITIONAL MASS: .	ST STEEL: 316
4	24				1/4" 20 UNC X 1" CAP HEAD: .	

NOTES: (UNLESS OTHERWISE SPECIFIED)

- REMOVE ALL SHARP EDGES. R:0.2 MIN.
- DO NOT SCALE FROM DRAWING.
- ALL MACHINING FLUIDS SHALL BE WATER SOLUBLE AND FREE OF SULFUR, CHLORINE AND SILICONE. SUCH AS CINCINNATI MILACRON'S CIMTECH 410 (STAINLESS STEEL).
- SCRIBE, ENGRAVE OR STAMP DRAWING PART NUMBER ON NOTED SURFACE OF PART AND A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST PART AND PROCEED CONSECUTIVELY. USE 07* HIGH CHARACTERS. EXAMPLE: D060359-001 - A VIBRATORY TOOL MAY BE USED.

DIMENSIONS ARE IN mm (INCHES)

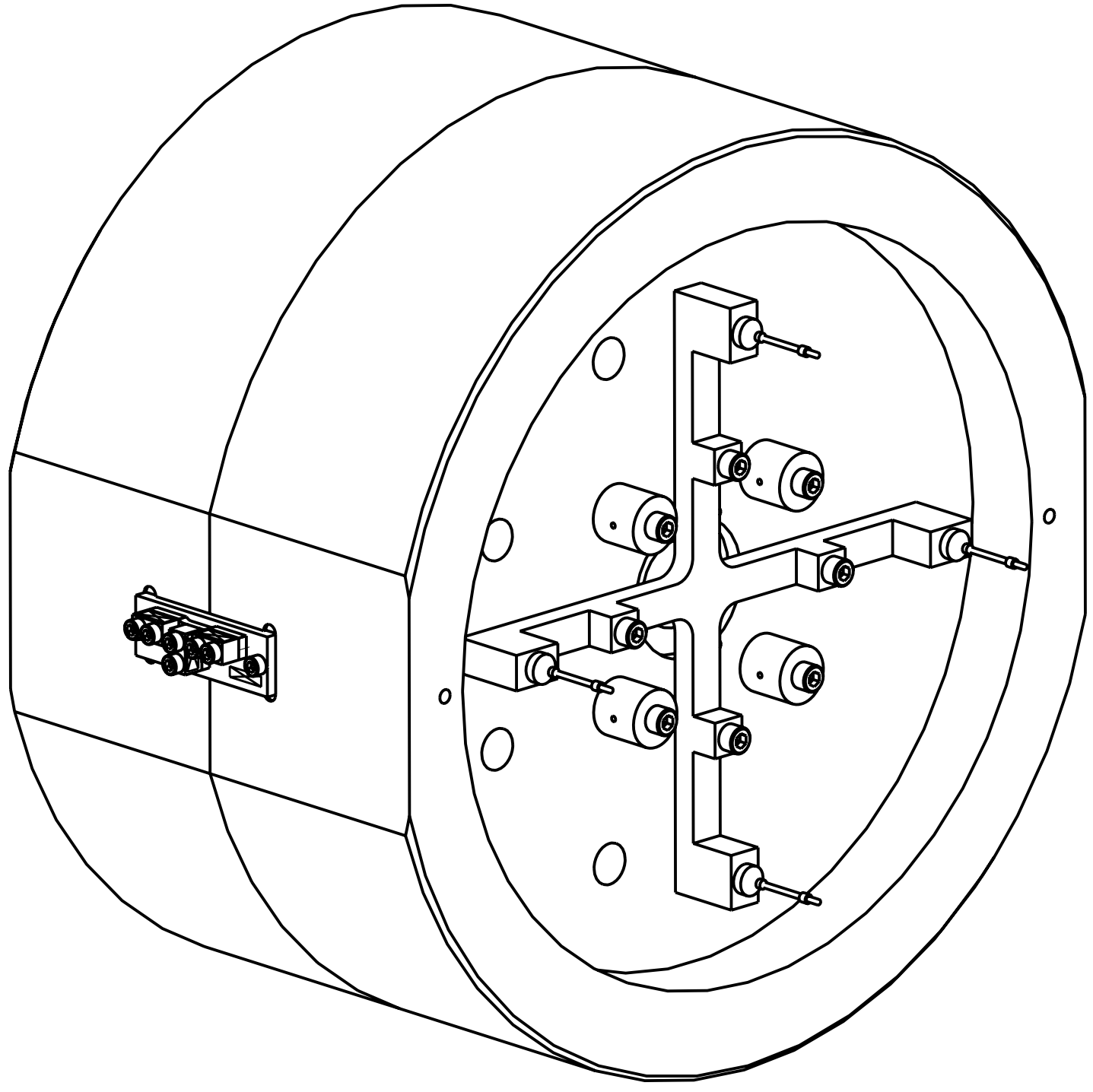
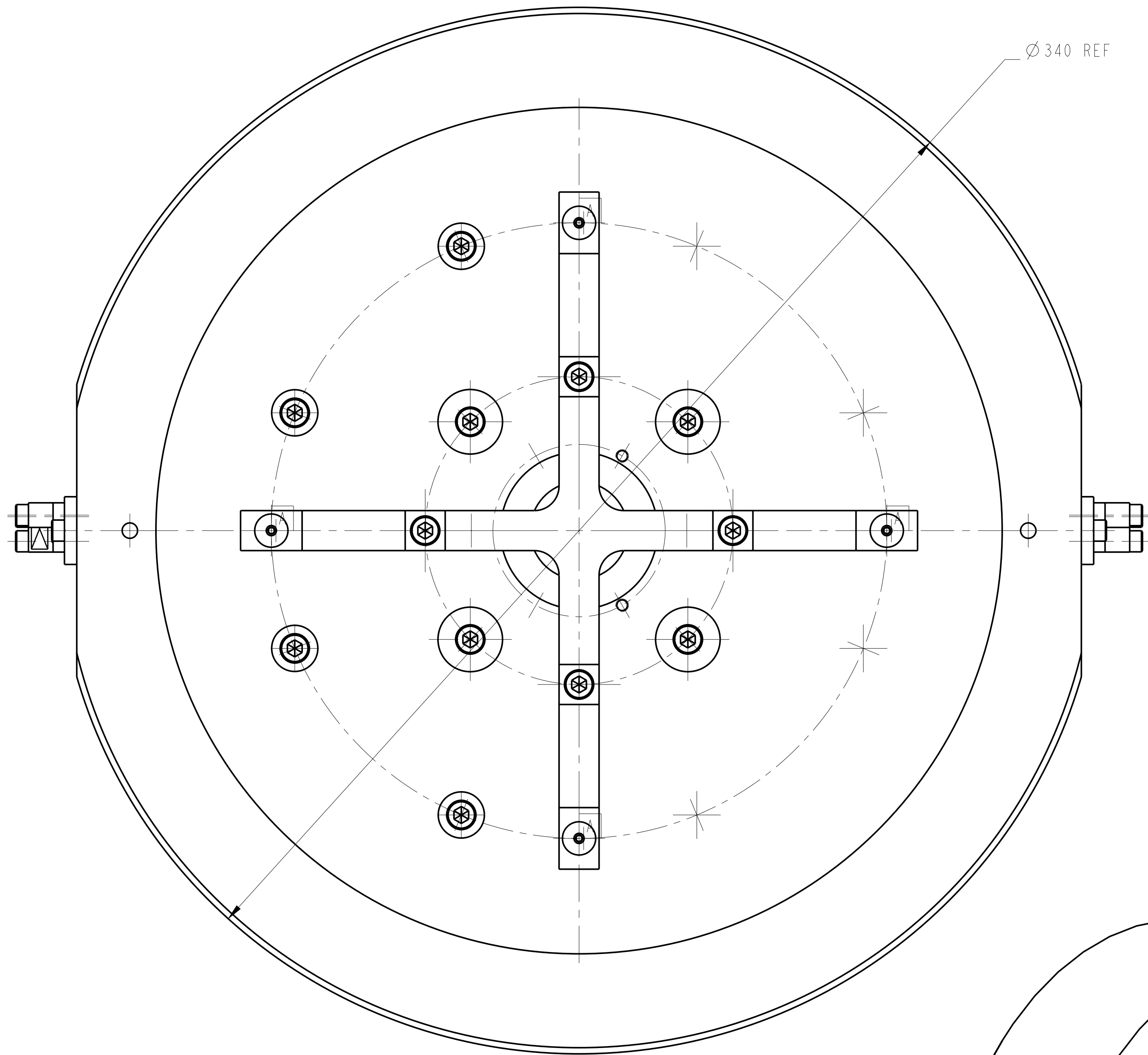
FINISH: AS DRW
 $\sqrt{\mu\text{m}} (\mu\text{in})$ Ra:

NAME: DATE: 30/06/09
 DRAWN: I WILMOT
 CHECKED: J'00
 APPROVED: J00

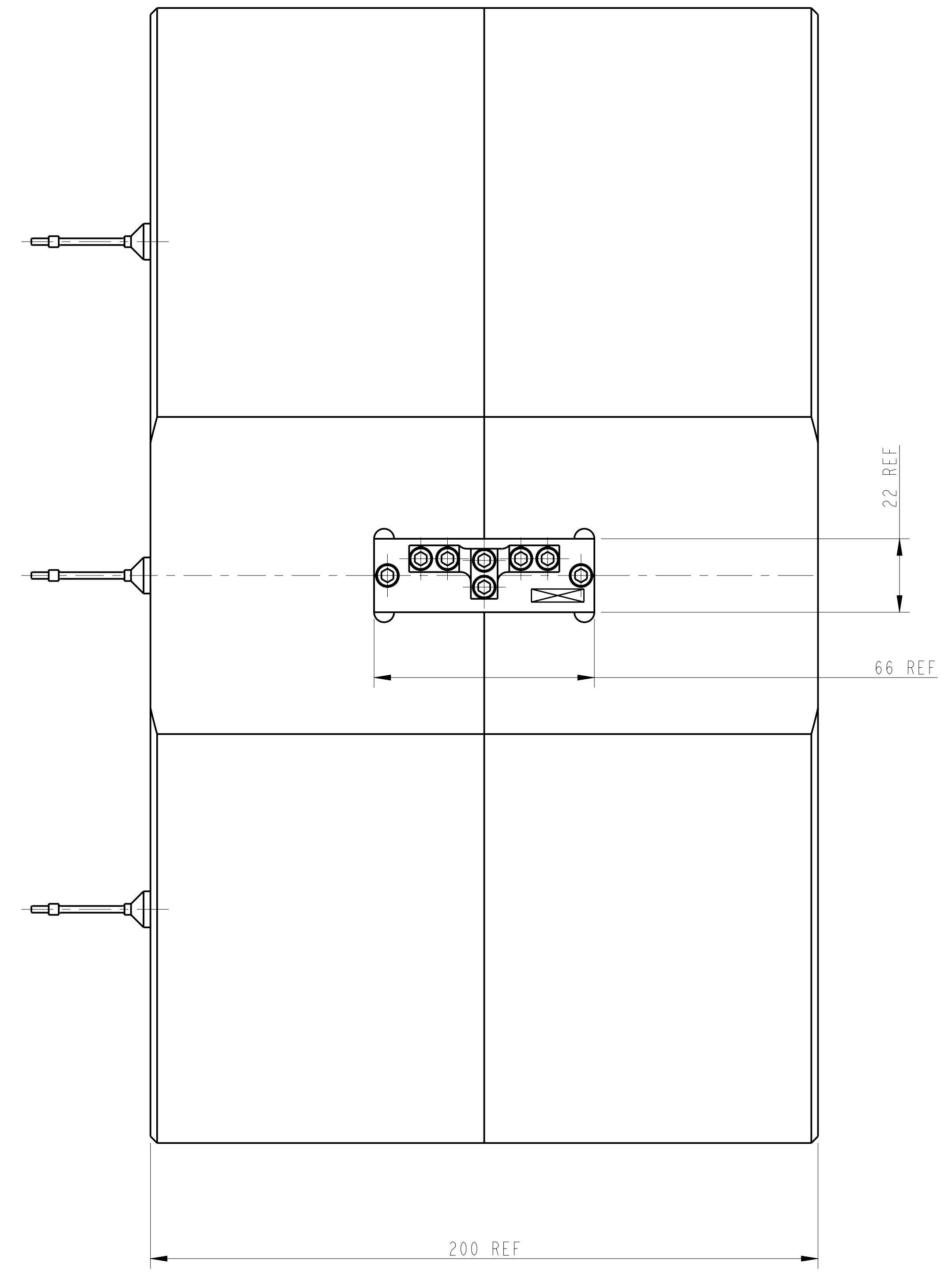
CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY
 GLASGOW UNIVERSITY GEC ROX GROUP
 RUTHERFORD APPLETON LABORATORIES

SYSTEM: **ADVANCED LIGO**
 SUB-SYSTEM: **SUS**
 NEXT ASSY: **THIS**
 PART NAME: **DUMMY TEST MASS ASSEMBLY TOOLING**

DRG. NO.: **D060355**
 SCALE: 1:1
 PROJECTION:



SCALE 1:2



ITEM	QTY	SPARE	TOTAL	PART NUMBER	DESCRIPTION	MATERIALS
1	2			D060337	PENULTIMATE MASS WIRE CLAMP: -	AS DRW: AS DRAWN
2	2			D060358	DUMMY TEST MASS SIDE: .	AL ALLOY: 5083
3	1			D070234	PEN RE MASS MAGNETS: (EXTERNAL SHIELDED)	ALLOY: 5083
4	12			D060359-05	ADDITIONAL MASS: .	ST STEEL: 316
5	24				1/4" 20 UNC X 1" CAP HEAD: .	

PARTS LIST	
NOTES: (UNLESS OTHERWISE SPECIFIED)	
1. REMOVE ALL SHARP EDGES.	
2. DO NOT SCALE FROM DRAWING.	
3. ALL MACHINING FLUIDS SHALL BE WATER SOLUBLE AND FREE OF SODIUM, CHLORINE AND SILICONE. SUCH AS CINCINNATI MILACRON'S CMTTECH 410 (STAINLESS STEEL).	
4. SCRIBE, ENGRAVE OR STAMP DRAWING PART NUMBER ON NOTED SURFACE OF PART AND A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST PART AND PROCEED CONSECUTIVELY.	
USE .075 HIGH CHARACTERS. EXAMPLE: D060359-001 - A VIBRATORY TOOL MAY BE USED.	

DIMENSIONS ARE IN mm (INCHES)		TOLERANCES:	
X .XX ± .13	ANGULAR ± .		
MATERIAL: AS DRW		FINISH: AS DRW	
√μm (μIN)	Ra: .		
NAME	DATE	SCALE	PROJECTION
DRAWN: J.WILMOT	30/06/09	1:1	1ST
CHECKED: J.OO	30/JUN/09		
APPROVED: J.OO	30/JUN/09		

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RUTHERFORD APPLTON LABORATORIES		RUTHERFORD APPLTON LABORATORIES	
SYSTEM: ADVANCED LIGO		SUB-SYSTEM: SUS	
NEXT ASSY: THIS		PART NAME: DUMMY TEST MASS ASSEMBLY TOOLING	
DRAWN: J.WILMOT		DATE: 30/06/09	
CHECKED: J.OO		DATE: 30/JUN/09	
APPROVED: J.OO		DATE: 30/JUN/09	
SCALE: 1:1		PROJECTION: 1ST	