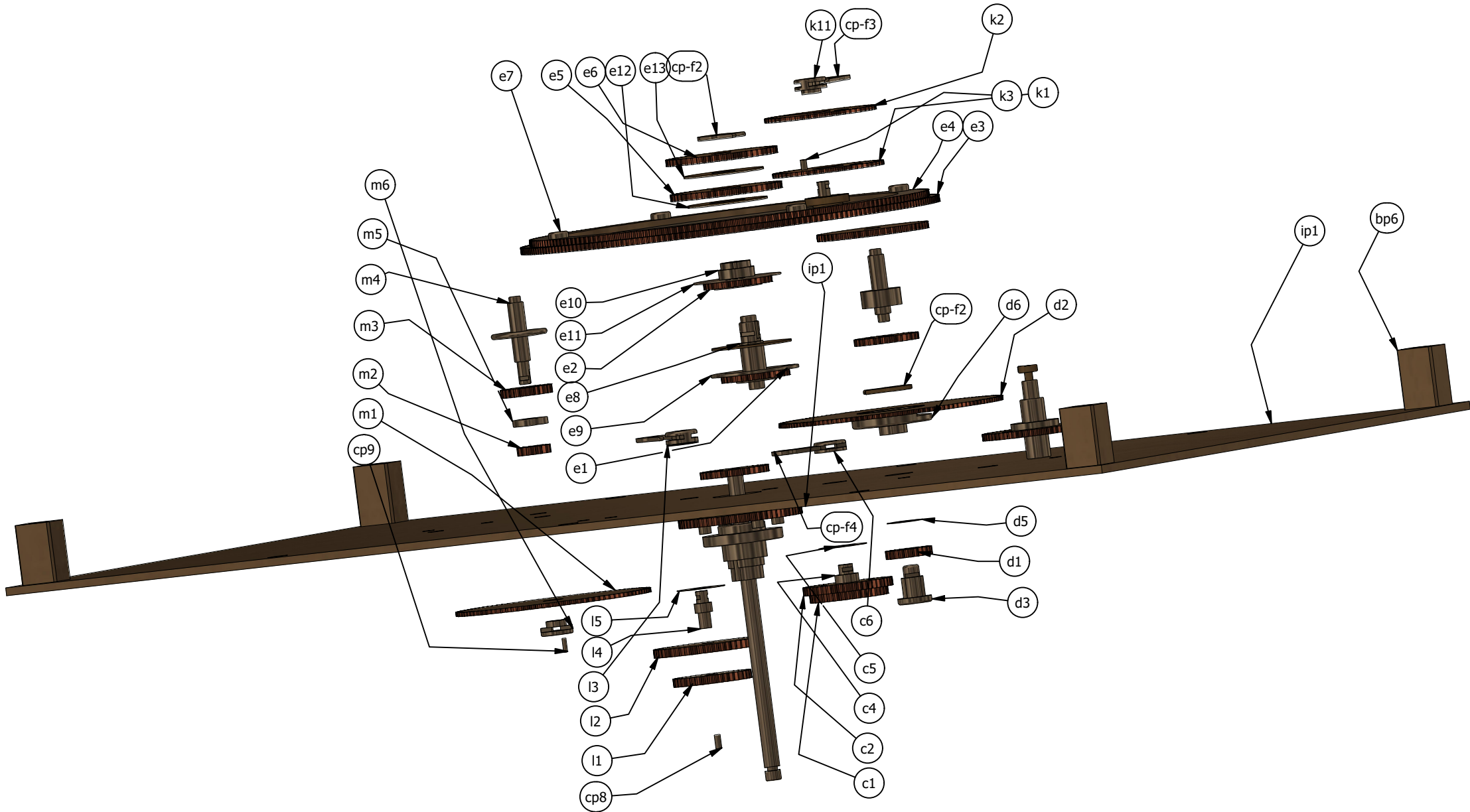
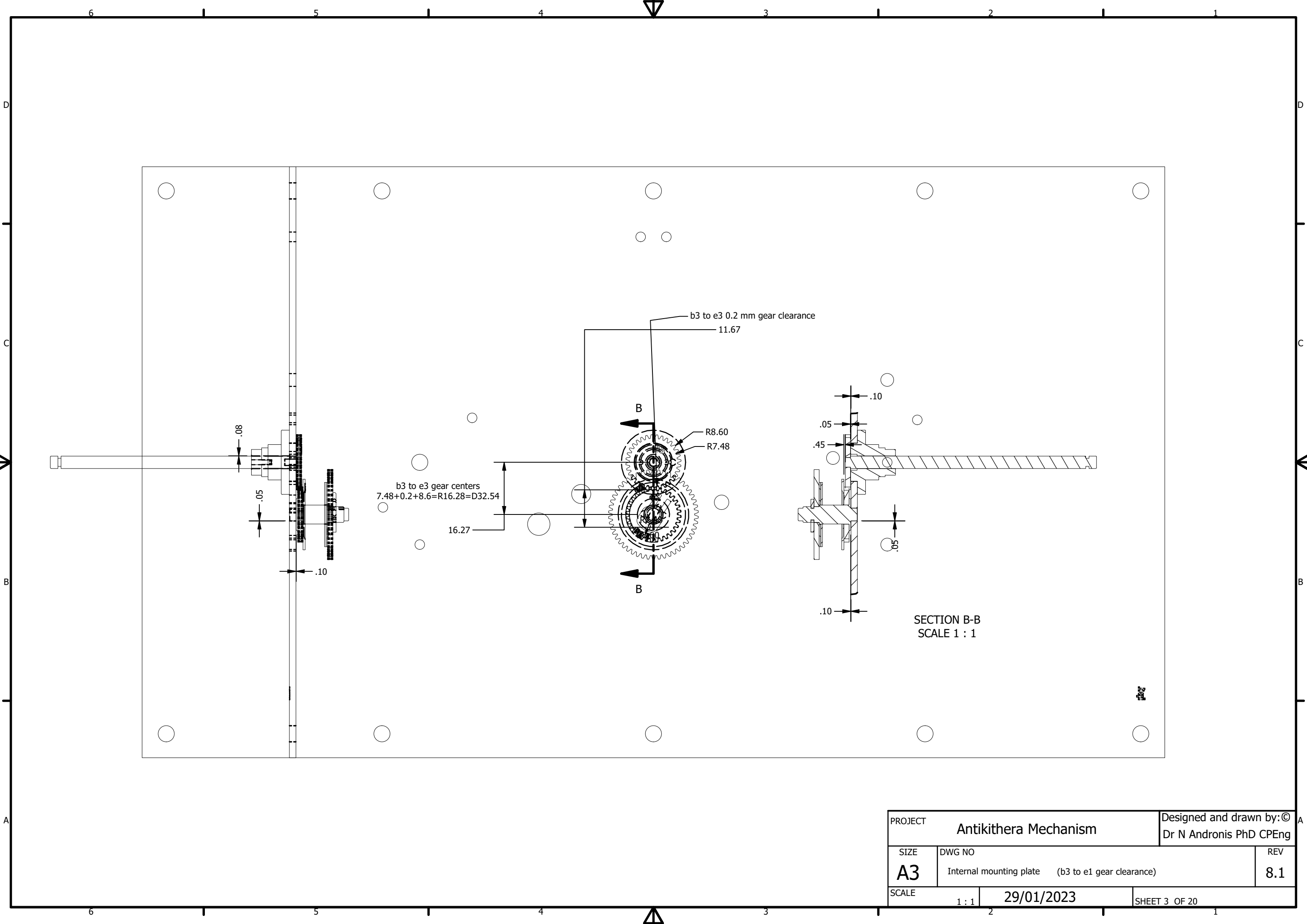


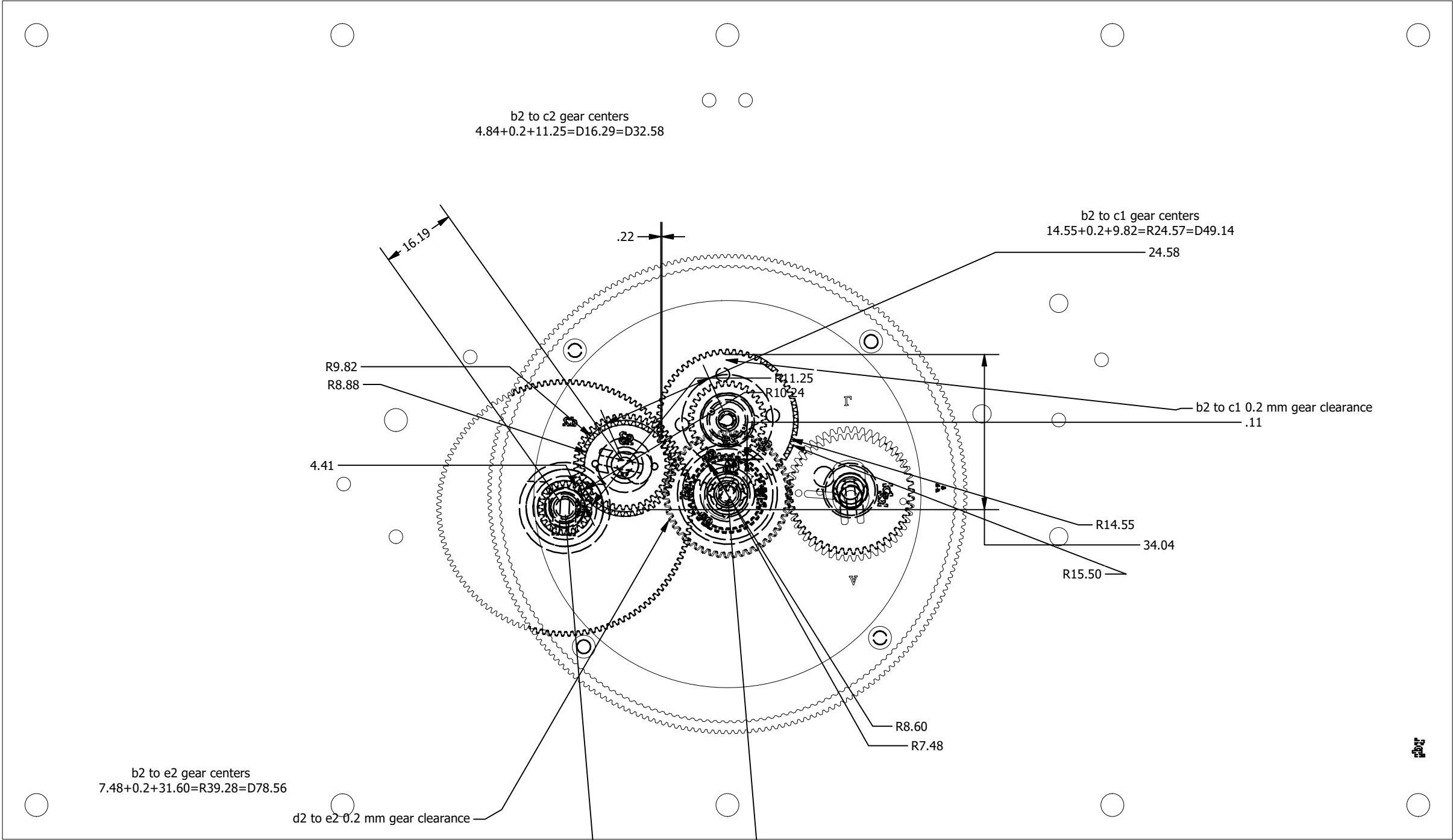
PARTS LIST			
Item	QTY	FILE NAME	MATERIAL
c1	1	c1 Gear 38T.ipt	Bronze
c2	1	c2 Gear 48T.ipt	Bronze
c3	2	c1 Pin.ipt	Bronze
c4	1	c1 c2 Axle Spacer.ipt	Bronze
c5	1	c2 Gear washer.ipt	Bronze
c6	1	c1 c2 Axle washer.ipt	Bronze
d1	1	d1 Gear 24T.ipt	Bronze
d2	1	d2 Gear 127T scaled.ipt	Bronze
d3	1	d1 Axle.ipt	Bronze
d4	1	d1 Gear washer 1.ipt	Bronze
d5	1	d1 Gear washer 2.ipt	Bronze
d6	1	d2 Axle.ipt	Bronze
e1	1	e1 Gear 32T.ipt	Bronze
e2	1	e2 Gear 32T.ipt	Bronze
e3	1	e3 Gear 223T.ipt	Bronze
e4	1	e4 Gear 188T.ipt	Bronze
e5	1	e5 Gear 50T.ipt	Bronze
e6	1	e6 Gear 50T.ipt	Bronze
e7	4	e3 e4 Pin.ipt	Bronze
e8	1	e1 e6 Axle.ipt	Bronze
e9	1	e1 Gear b3 Guard.ipt	Bronze
e10	1	e2 e5 bush bearing outer.ipt	Bronze
e11	1	e2 Gear b3 Guard.ipt	Bronze
e12	1	e5 Gear washer.ipt	Bronze
e13	2	e6 Gear washer.ipt	Bronze
f1	1	f1 Gear 53T.ipt	Bronze
f2	1	f2 Gear 30T.ipt	Bronze
f3	1	f Axle.ipt	Bronze
k1	1	k1 Gear 50T.ipt	Bronze
k2	1	k2 Gear 50T.ipt	Bronze
k3	1	k1 Pin.ipt	Bronze
k7	1	k1 k2 Axle.ipt	Bronze
k8	1	k1 Gear washer bottom.ipt	Bronze
k9	1	k1 Gear washer top.ipt	Bronze
k10	1	k2 Gear washer bottom.ipt	Bronze
k11	1	k2 Axle washer.ipt	Bronze
l1	1	l1 Gear 38T.ipt	Bronze
l2	1	l2 Gear 53T.ipt	Bronze
l3	1	l1 l2 Axle washer.ipt	Bronze
l4	1	l1 l2 Axle.ipt	Bronze
l5	1	l2 Gear washer 1.ipt	Bronze
l6	1	l2 Gear washer 2.ipt	Bronze
m1	1	m1 Gear 96T.ipt	Bronze
m2	1	m2 Gear 15T.ipt	Bronze
m3	1	m3 Gear 27T.ipt	Bronze
m4	1	m1 Axle.ipt	Bronze
m5	1	m3 Gear e3 Guard.ipt	Bronze
m6	1	m Axle washer.ipt	Bronze
cp-f2	2	CP Fork 2W 4D 6L 7T.ipt	Bronze
cp-f3	2	CP Fork 2W 4D 8L 7T.ipt	Bronze
cp-f4	1	CP Fork 2W 8D 8L 7T.ipt	Bronze
cp9	1	CP pin 1 x 3.5.ipt	Bronze
cp8	1	CP pin 1.5 x 3.5.ipt	Bronze
	60	Total parts to manufacture	
bp6	4	Back Plate Spacer.ipt	Bronze
ip1	1	Internal Mounting Plate.ipt	Bronze



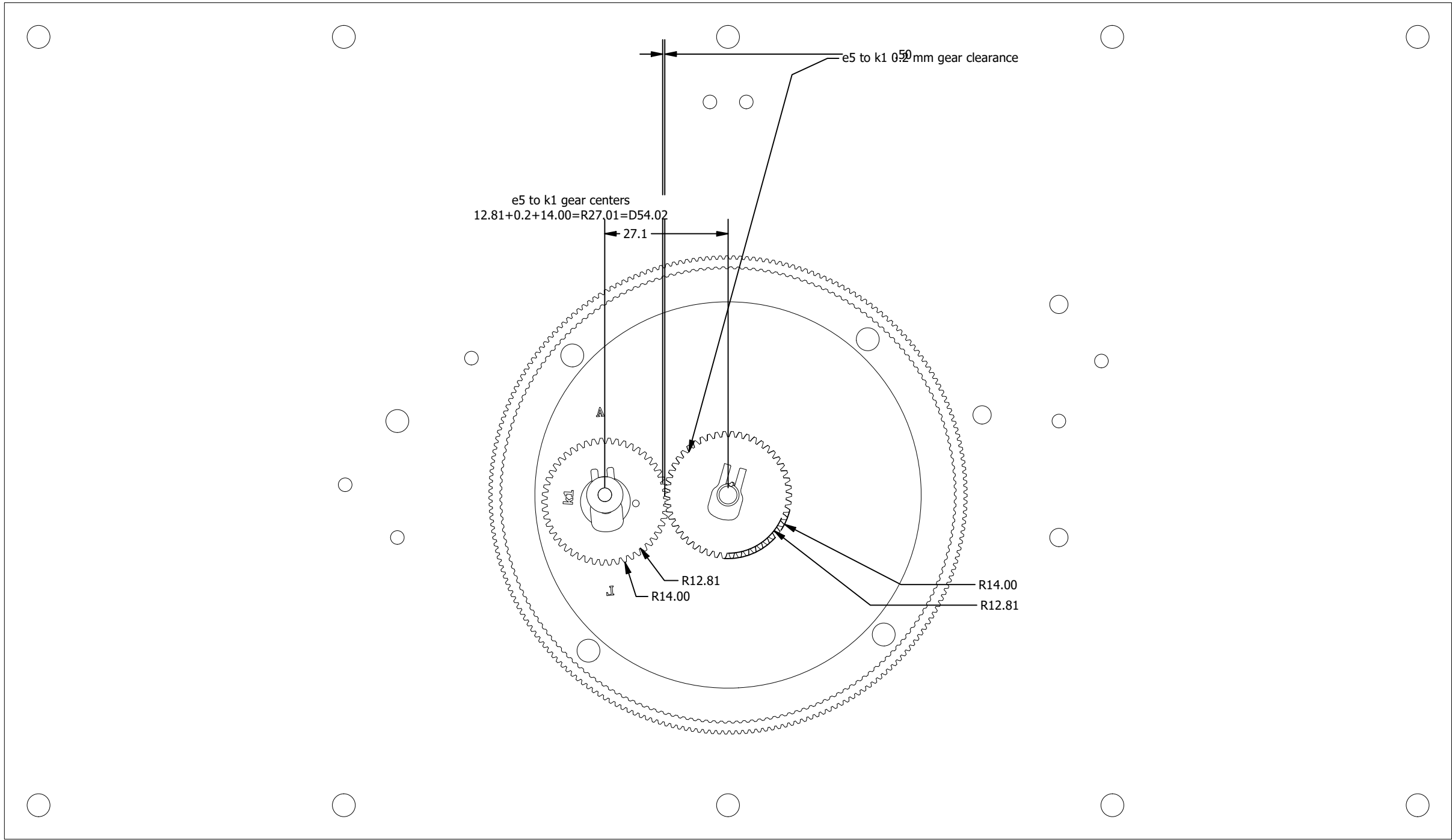
PROJECT		Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng	
SIZE	DWG NO	REV			
A3	Internal mounting plate (parts list)	8.1			
SCALE	1:1.25	29/01/2023	SHEET 2 OF 20		



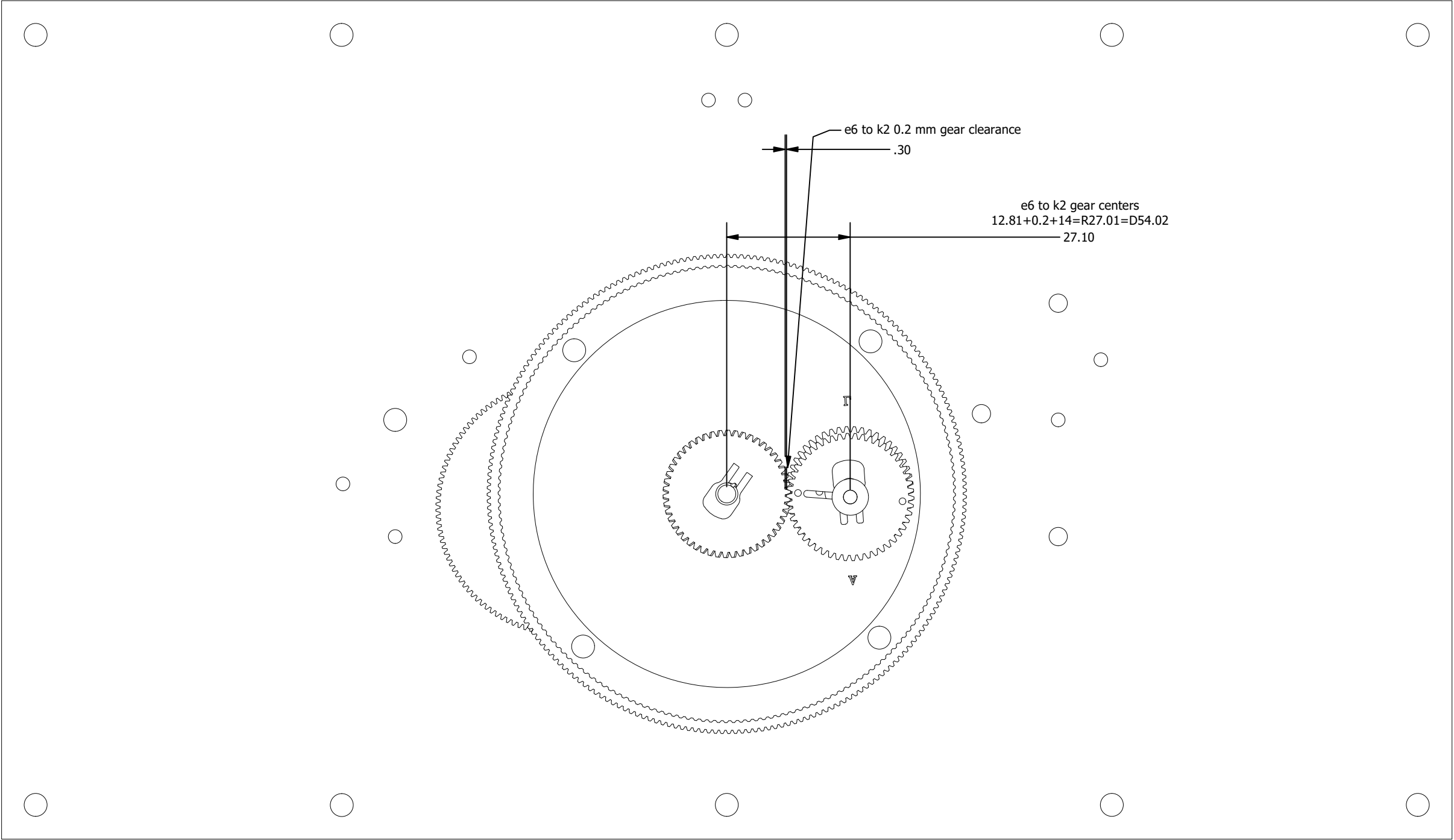
PROJECT		Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng	
SIZE	DWG NO	Internal mounting plate (b3 to e1 gear clearance)		REV	
A3				8.1	
SCALE		1 : 1	29/01/2023	SHEET 3 OF 20	



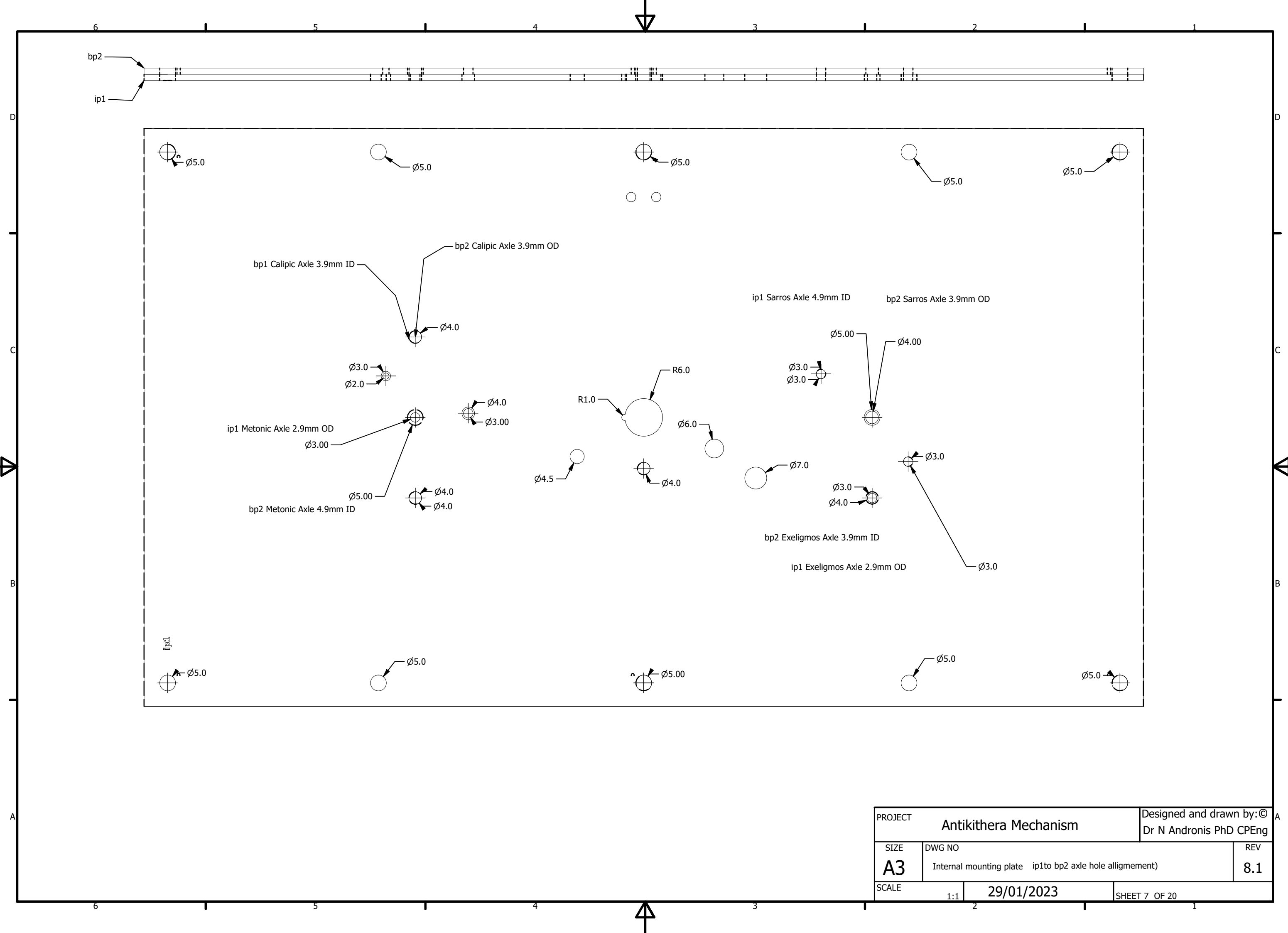
PROJECT			Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng	
SIZE	DWG NO				REV	
A3	Internal mounting plate (b2/c1, c2/d1, d2/e2, gear clearance)				8.1	
SCALE		1 : 1	29/01/2023		SHEET 4 OF 20	

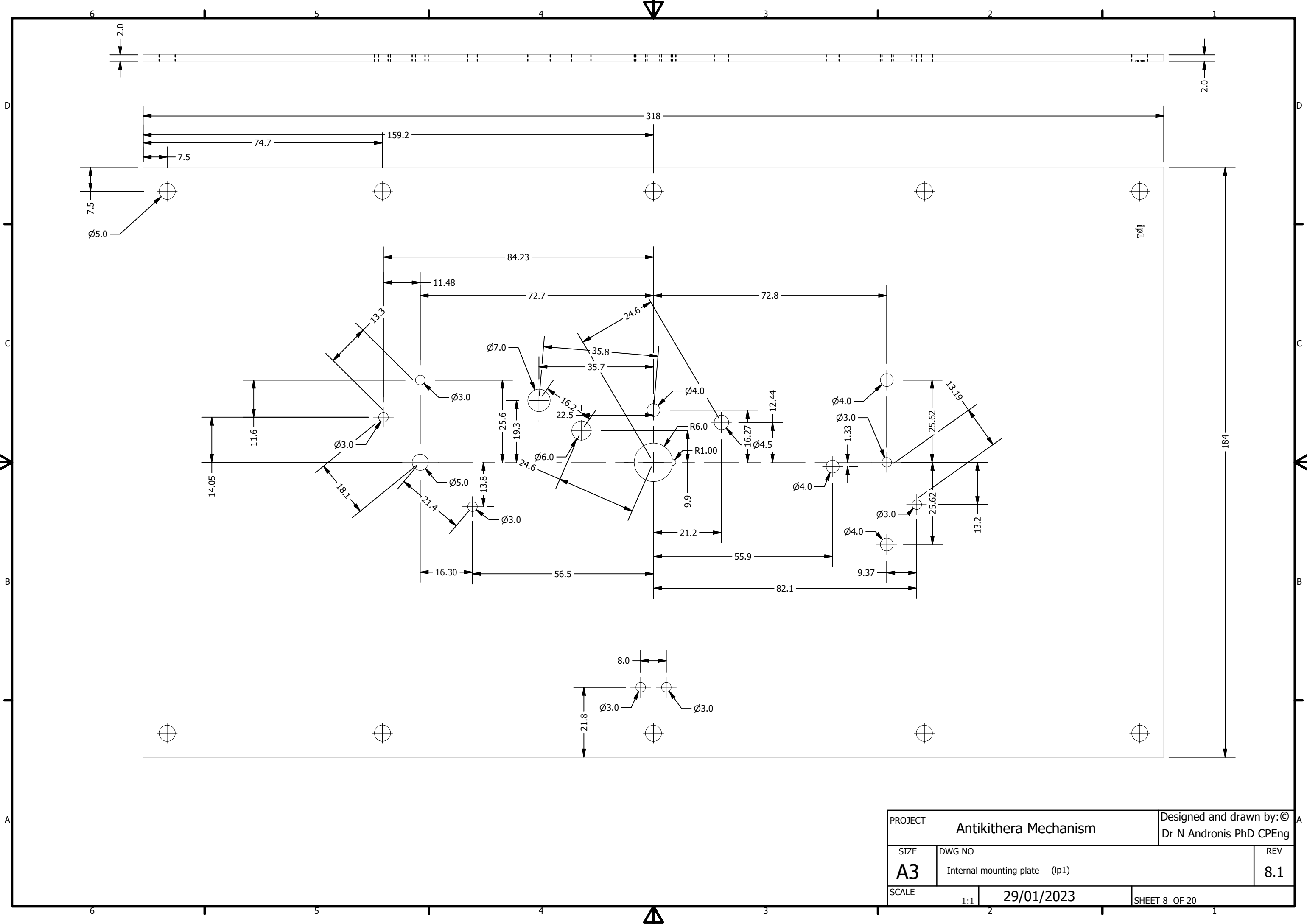


PROJECT		Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng	
SIZE	DWG NO	Internal mounting plate e5 to k1 gear clearance)			REV
A3					8.1
SCALE		1 : 1	29/01/2023	SHEET 5 OF 20	

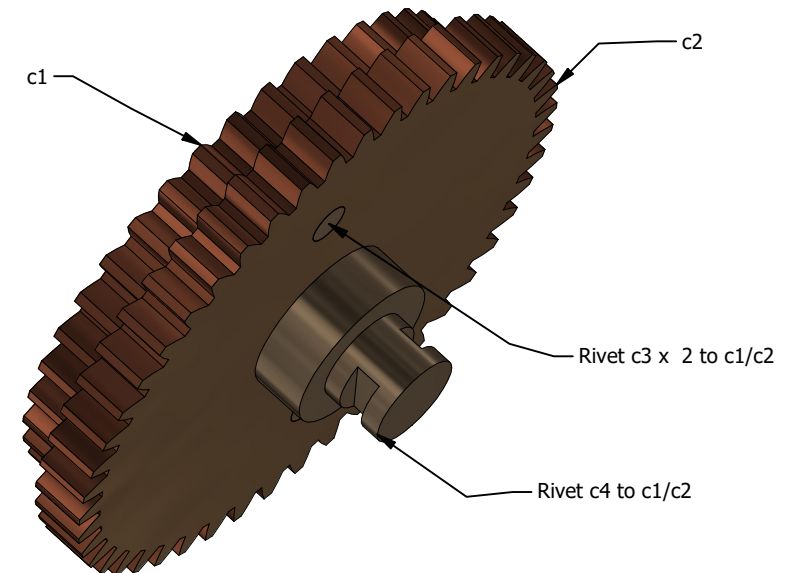
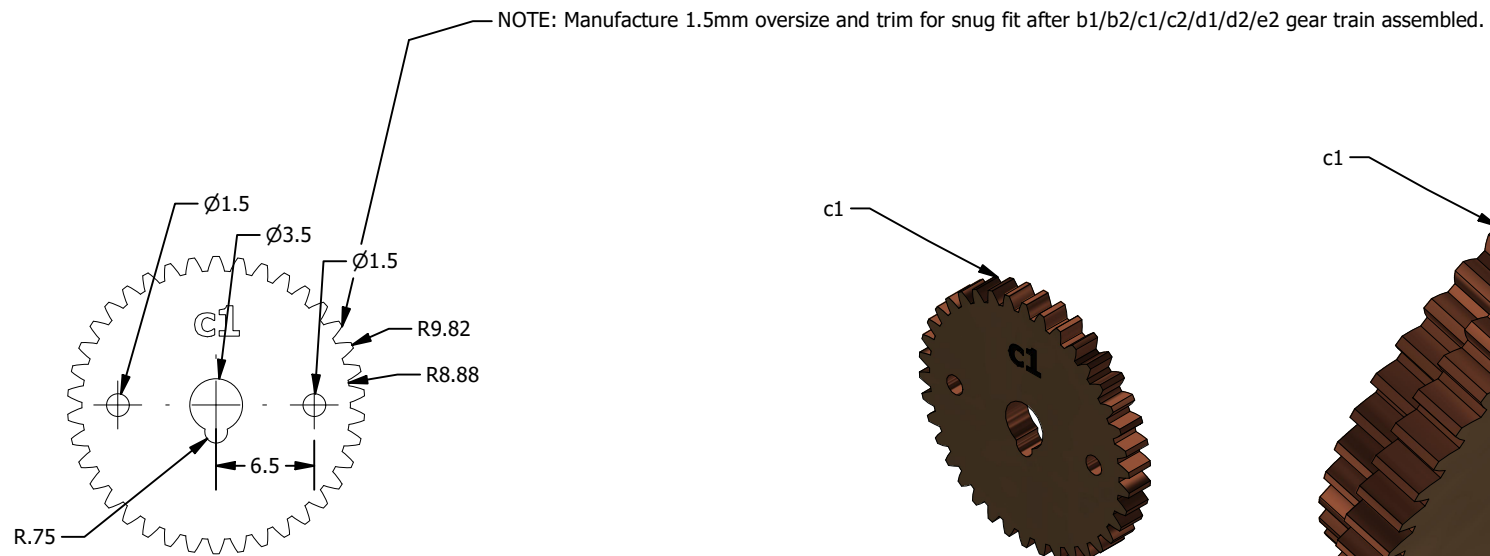


PROJECT		Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng	
SIZE	DWG NO	Internal mounting plate e6 to k2 gear clearance)		REV	
A3				8.1	
SCALE		1 : 1	29/01/2023	SHEET 6 OF 20	

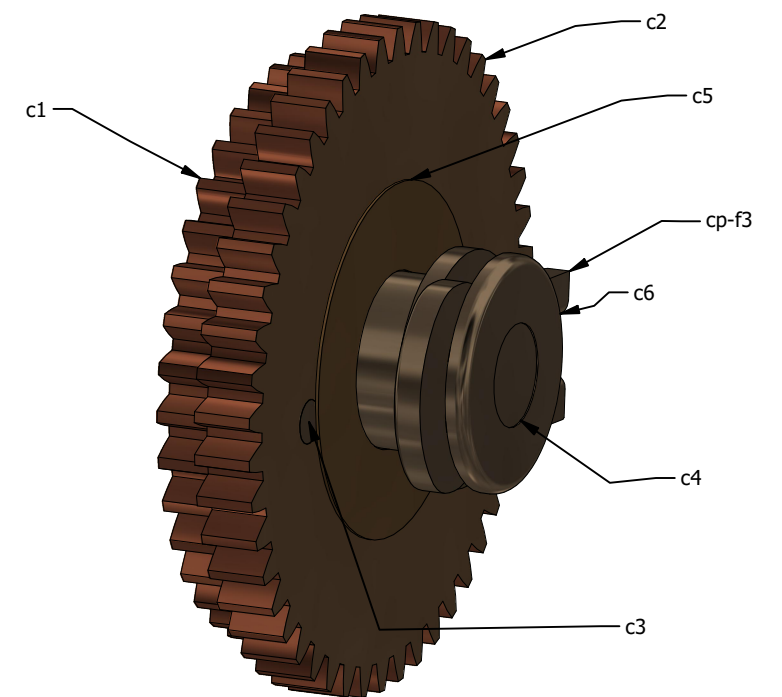
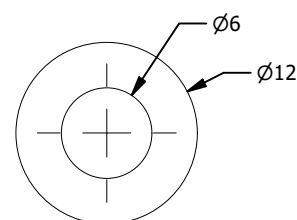
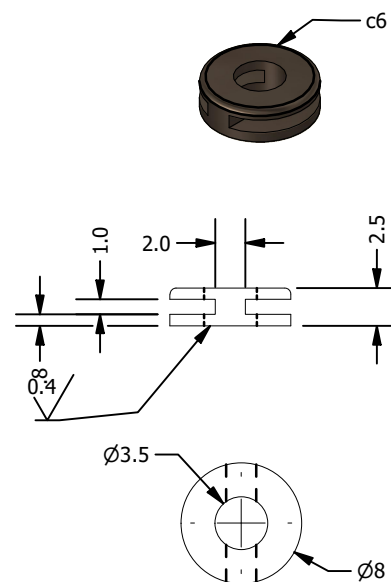
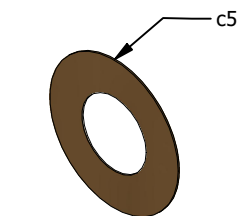
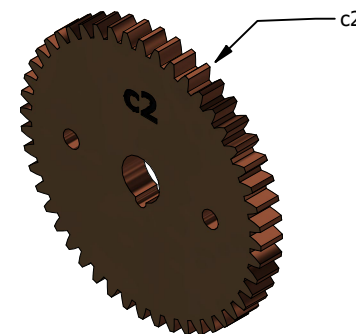
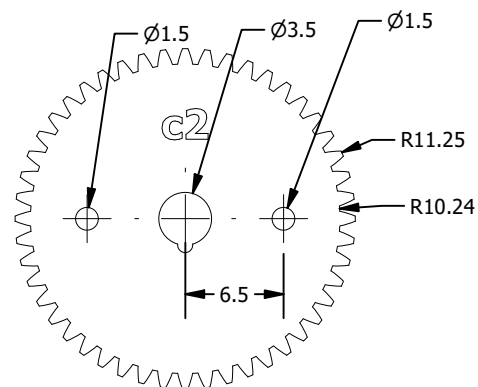




PROJECT			Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng		A
SIZE	DWG NO				REV		
A3	Internal mounting plate (ip1)				8.1		
SCALE		1:1	29/01/2023		SHEET 8 OF 20		

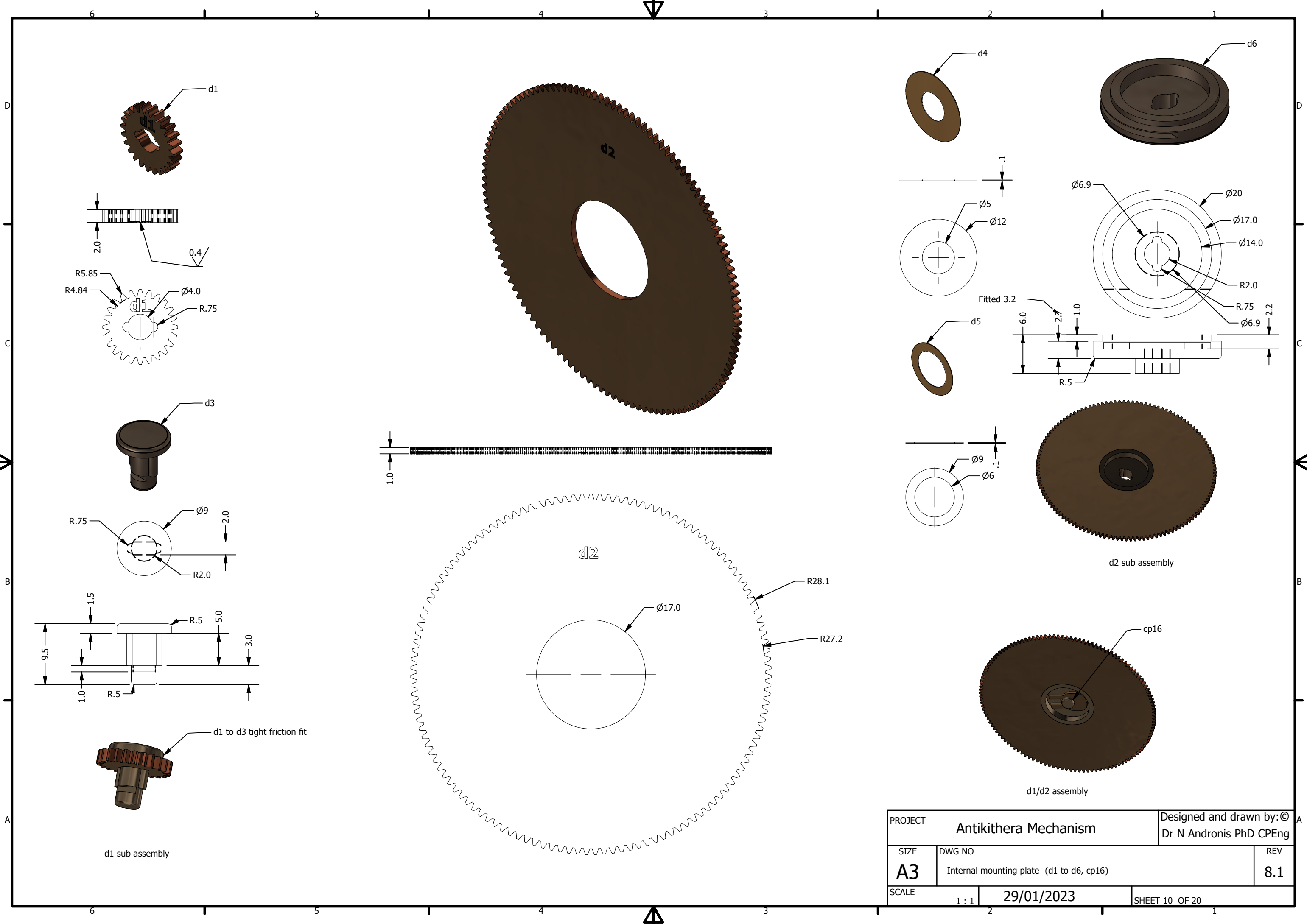


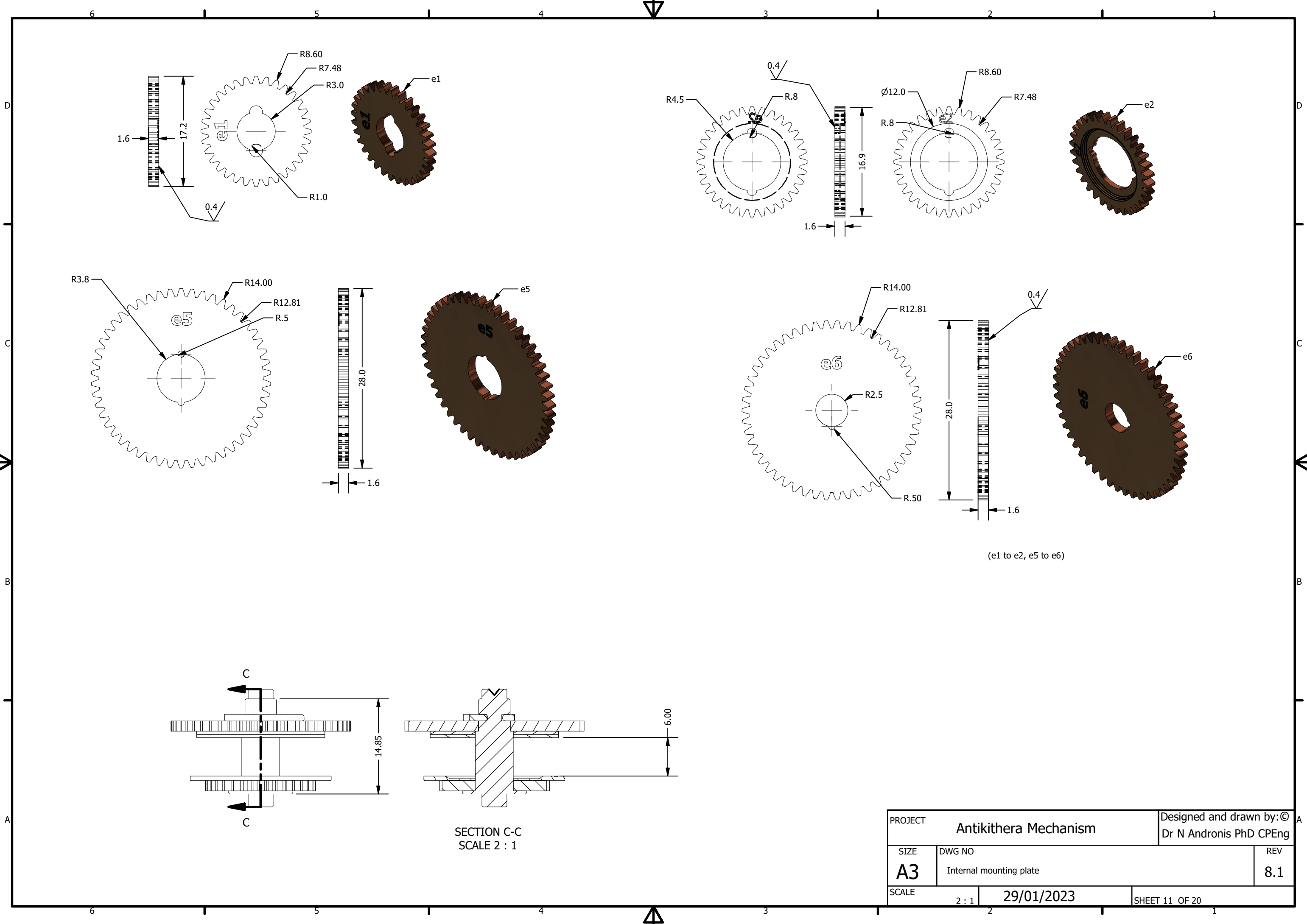
c1/c2 sub assembly

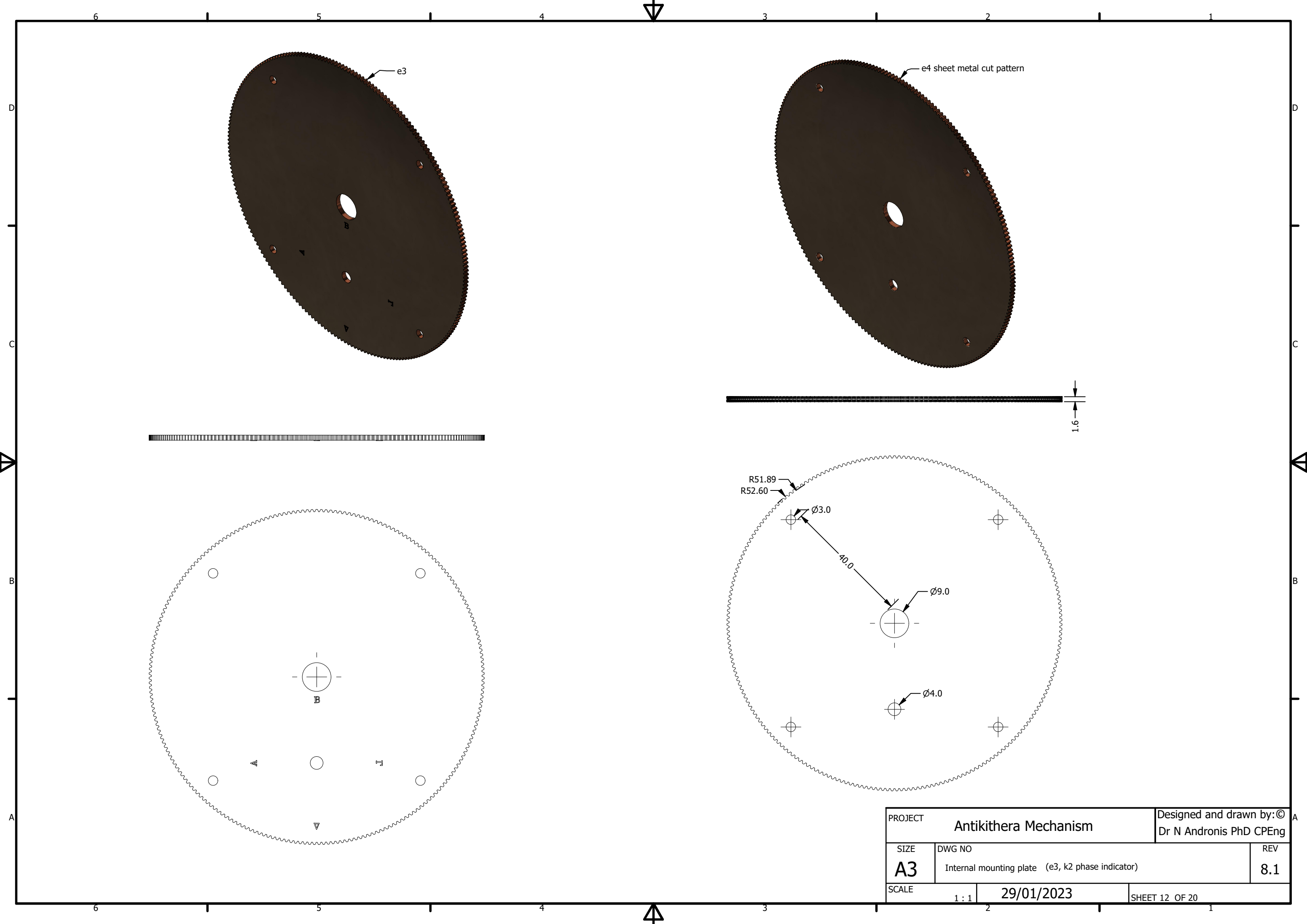


c1/c2 assembly

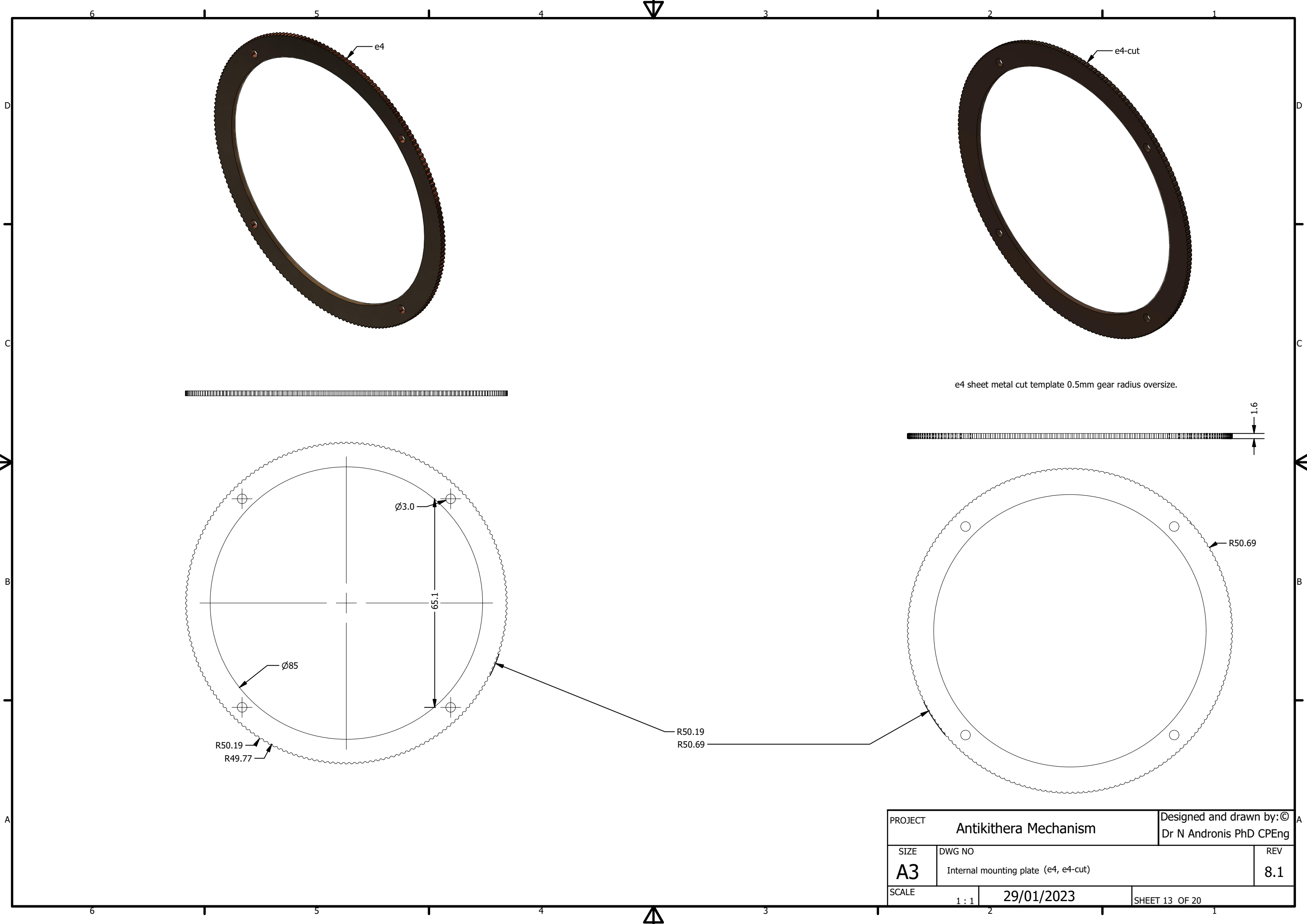
PROJECT		Antikithera Mechanism		Designed and drawn by: © Dr N Andronis PhD CPEng	
SIZE	DWG NO			REV	
A3	Internal mounting plate (c1 to c6, cp15)			8.1	
SCALE		2: 1		29/01/2023	
				SHEET 9 OF 20	



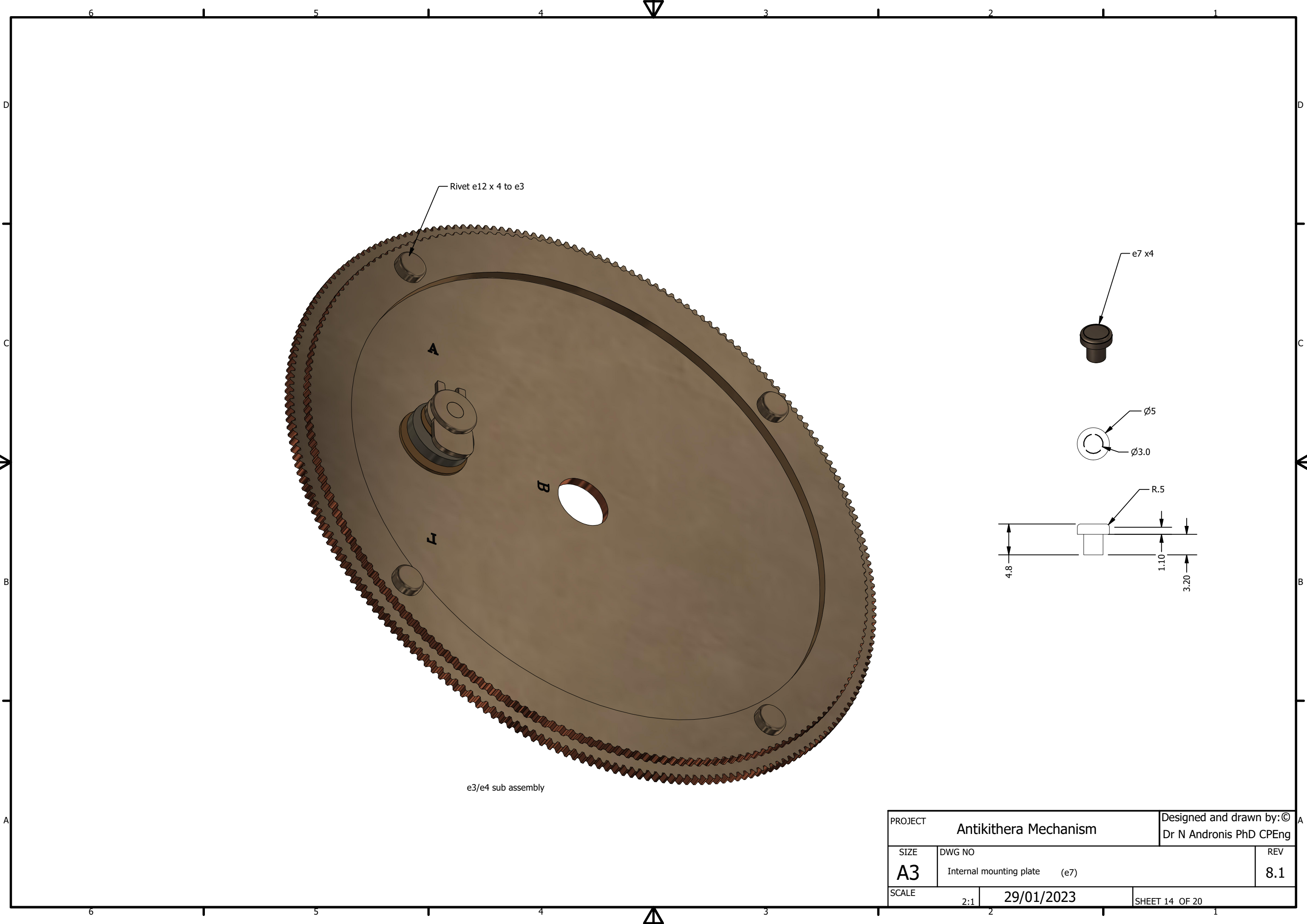




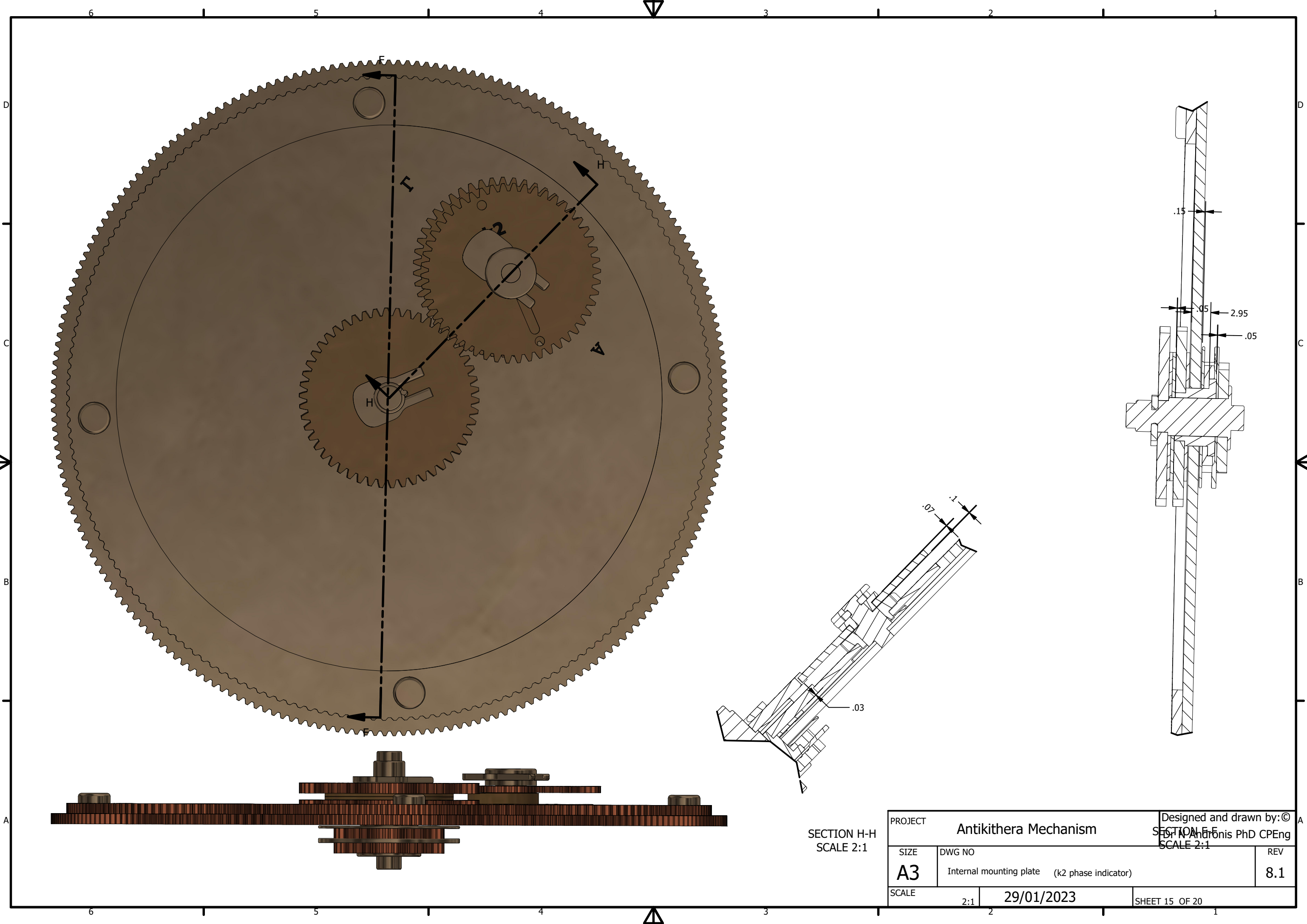
PROJECT			Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng	
SIZE	DWG NO	Internal mounting plate (e3, k2 phase indicator)			REV	
A3					8.1	
SCALE		1 : 1	29/01/2023		SHEET 12 OF 20	



PROJECT			Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng	
SIZE	DWG NO				REV	
A3	Internal mounting plate (e4, e4-cut)				8.1	
SCALE	1 : 1	29/01/2023		SHEET 13 OF 20		



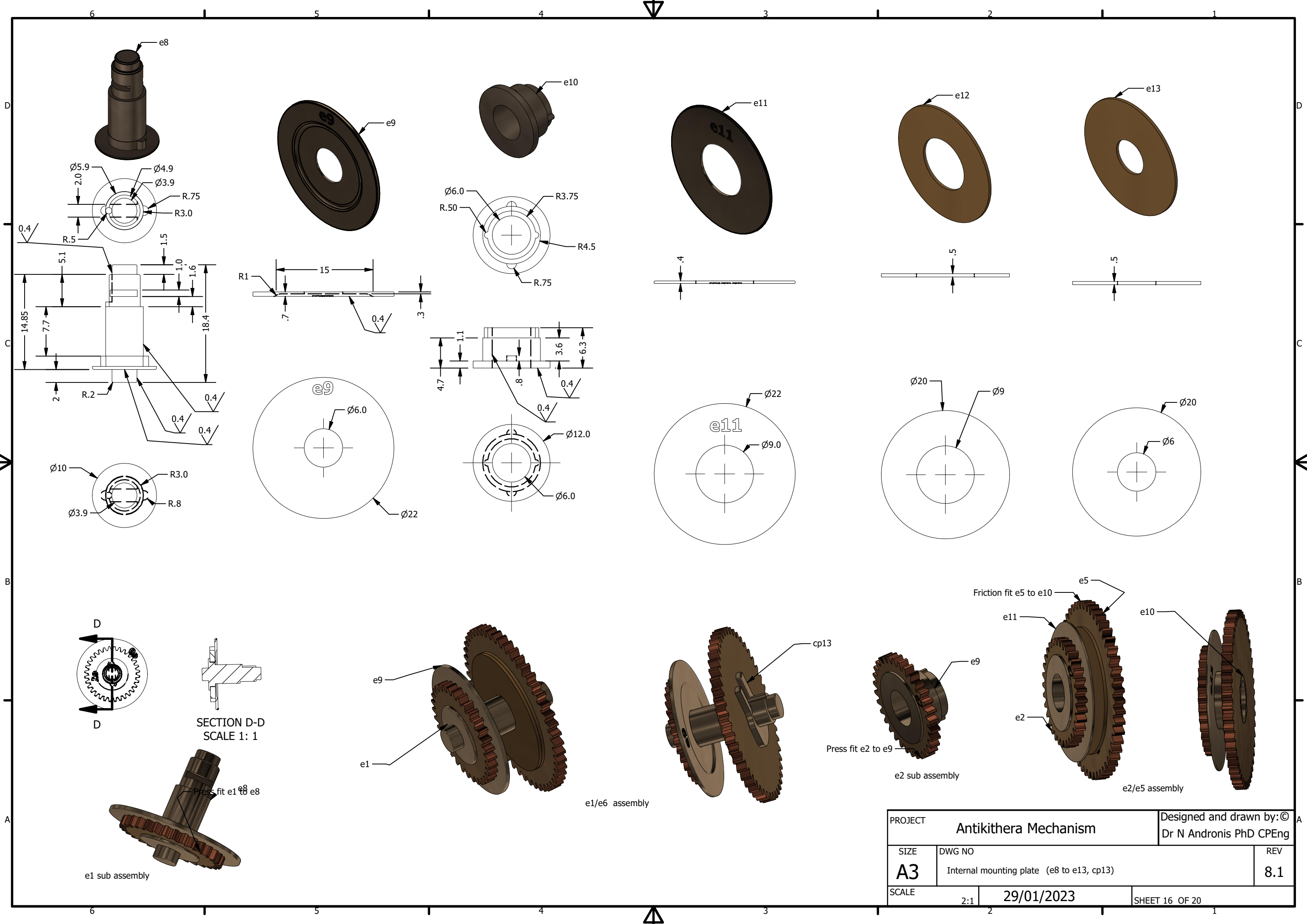
PROJECT			Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng	
SIZE	DWG NO				REV	
A3	Internal mounting plate (e7)				8.1	
SCALE		2:1		29/01/2023	SHEET 14 OF 20	



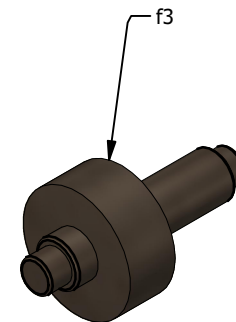
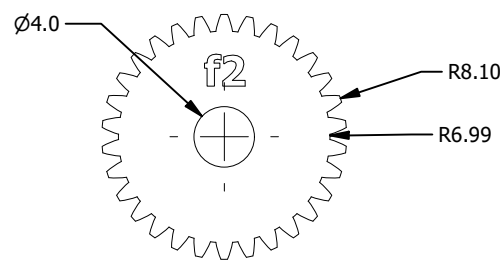
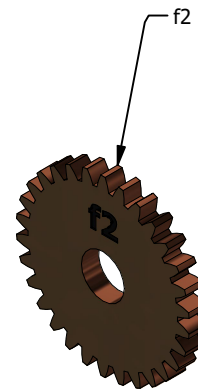
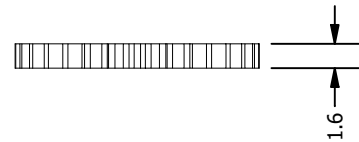
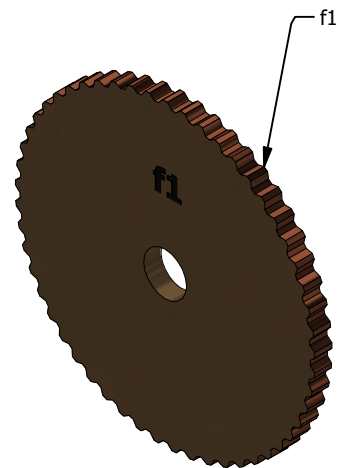
SECTION H-H
SCALE 2:1

SECTION E-E
SCALE 2:1

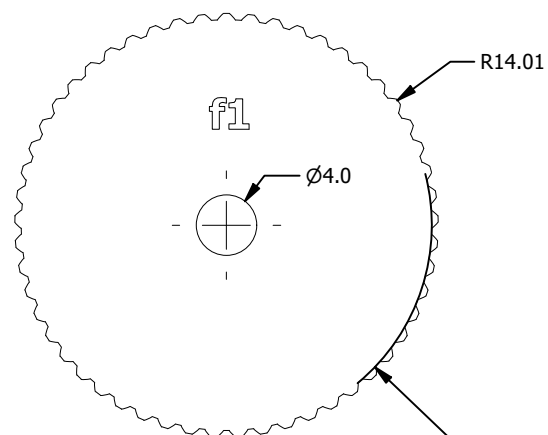
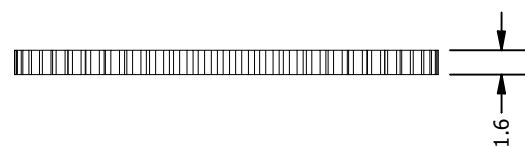
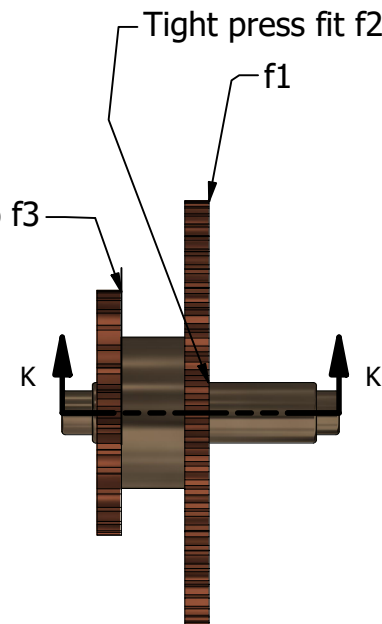
PROJECT			Antikithera Mechanism		Designed and drawn by: © Dr. P. Andronis PhD CPEng	
SIZE	DWG NO	Internal mounting plate (k2 phase indicator)			REV	
A3					8.1	
SCALE		29/01/2023		SHEET 15 OF 20		



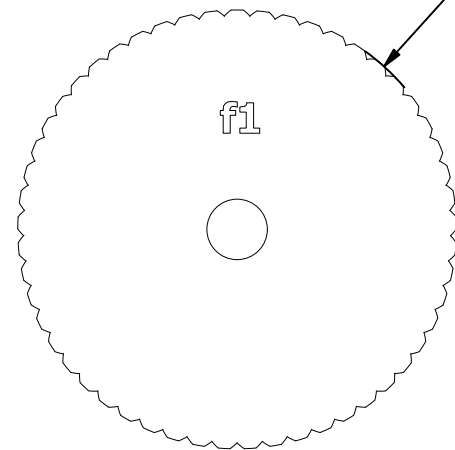
PROJECT			Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng		A
SIZE	DWG NO					REV	
A3	Internal mounting plate (e8 to e13, cp13)					8.1	
SCALE		2:1	29/01/2023		SHEET 16 OF 20		



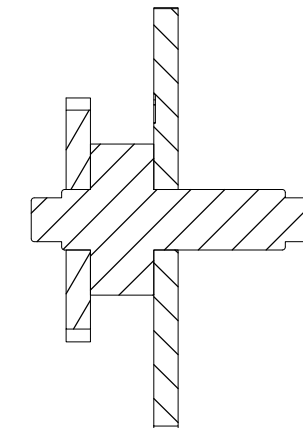
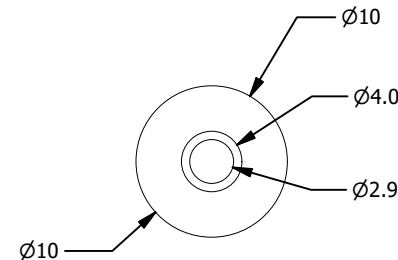
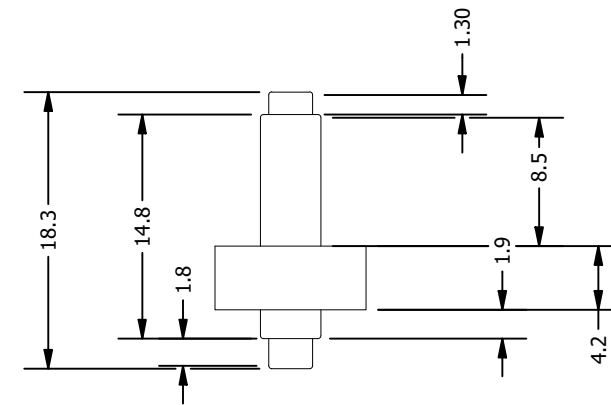
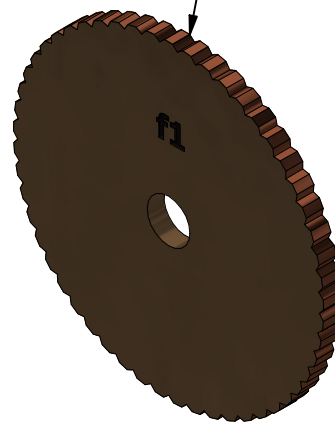
Tight press fit f2 to f3



f1 sheet metal cut template +0.5mm gear radius

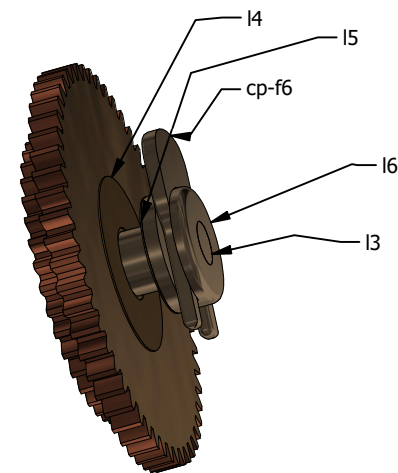
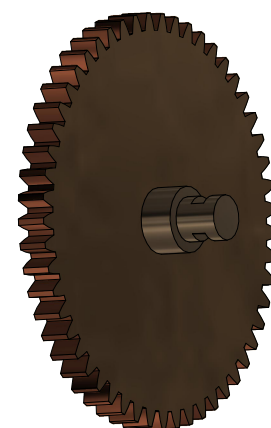
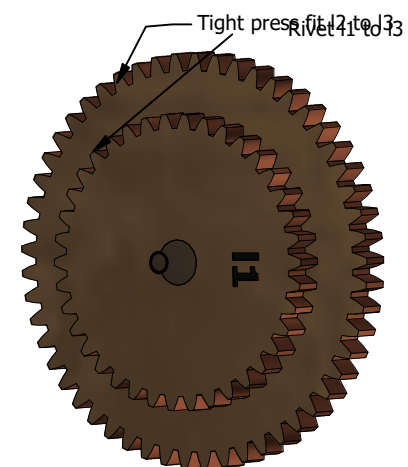
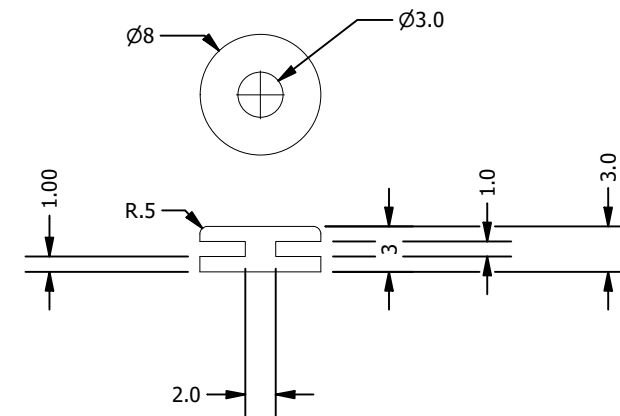
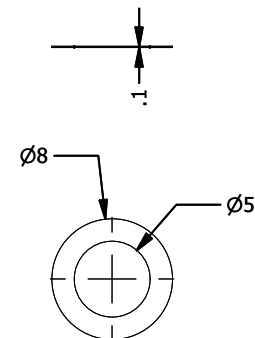
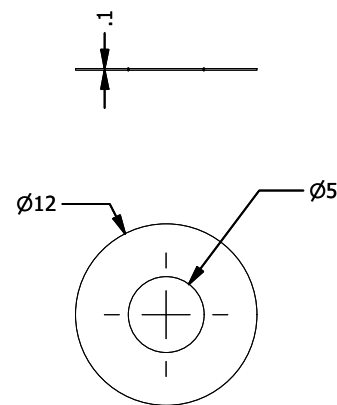
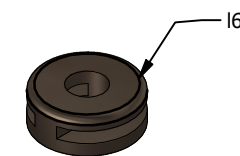
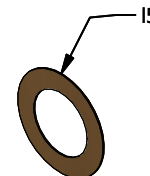
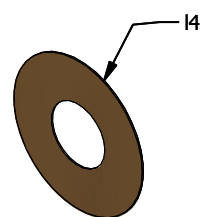
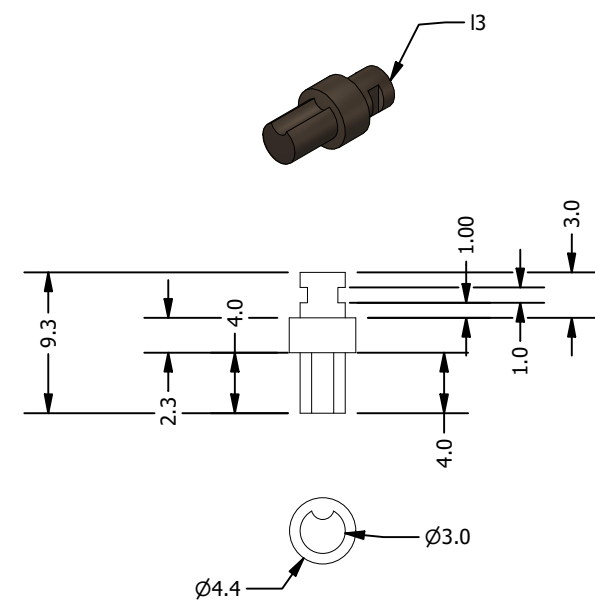
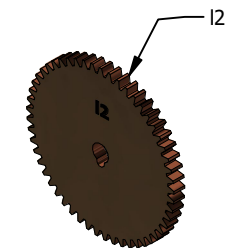
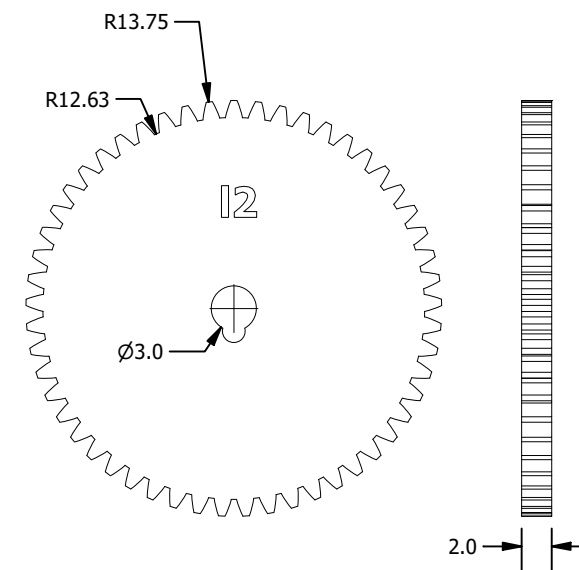
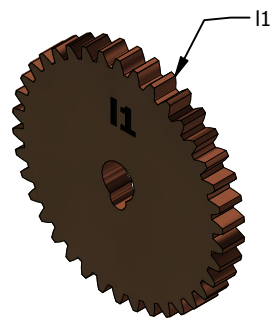
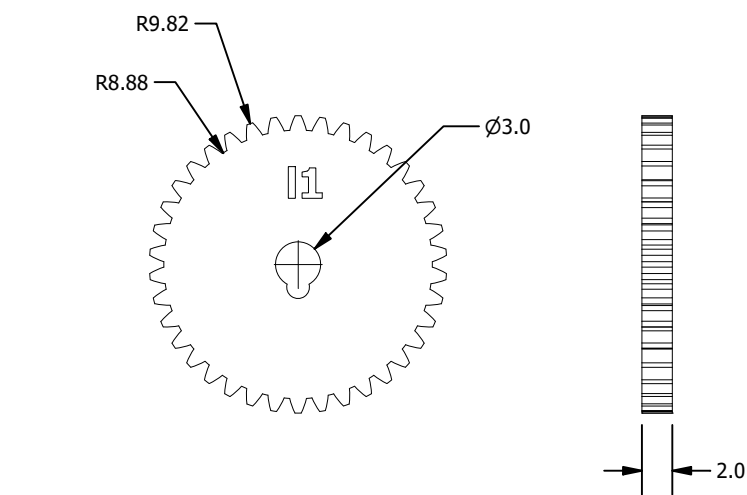


f1 sheet metal cut pattern



SECTION K-K
SCALE 2:1

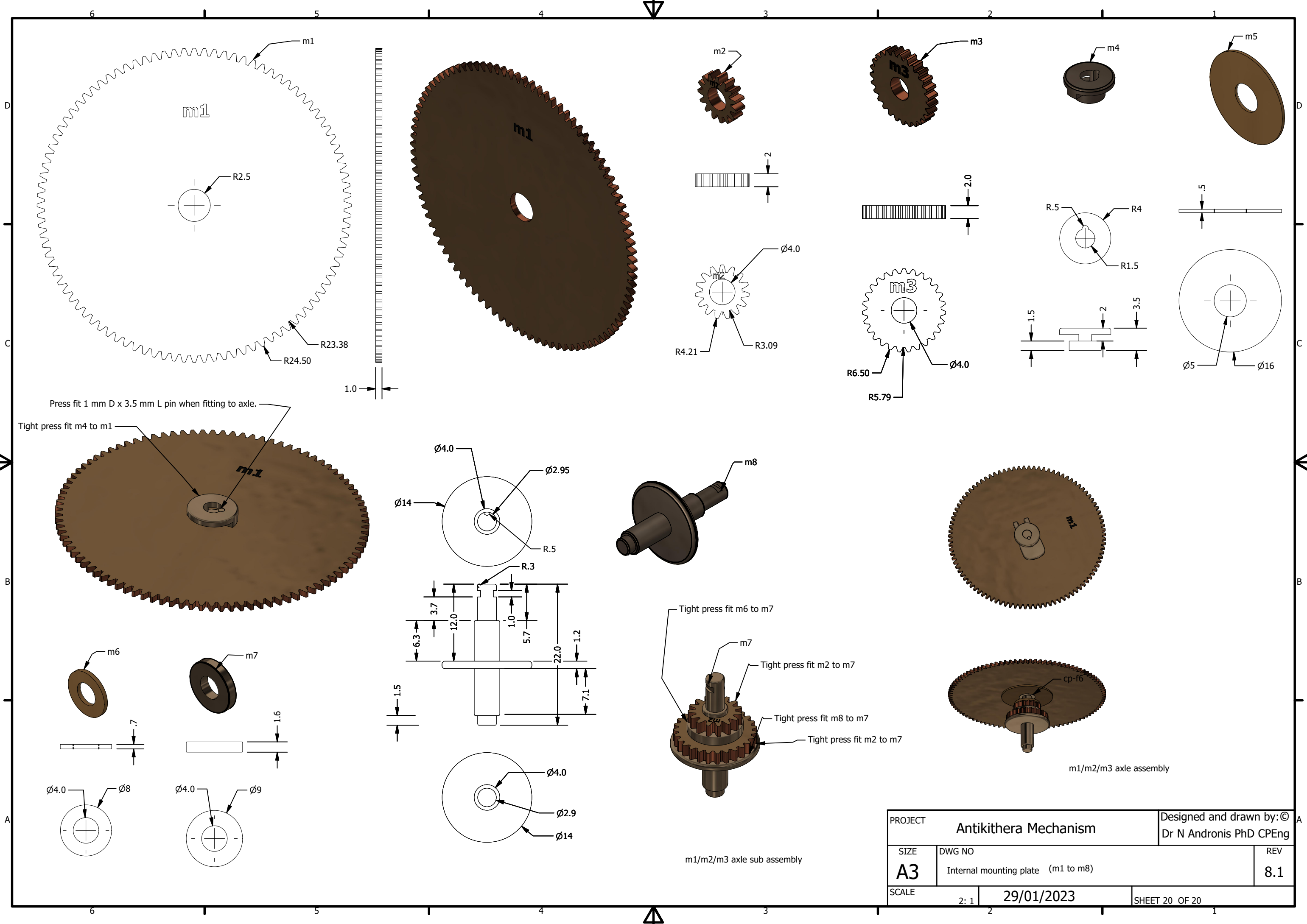
PROJECT		Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng	
SIZE	A3	DWG NO	Internal mounting plate (f1 to f3)		REV
SCALE	2 : 1	29/01/2023	SHEET 17 OF 20		



l1/l2/ sub assembly

l1/l2 assembly

PROJECT		Antikithera Mechanism		Designed and drawn by: © Dr N Andronis PhD CPEng	
SIZE	DWG NO			REV	
A3	Internal mounting plate (l1 to l6)			8.1	
SCALE		29/01/2023		SHEET 19 OF 20	
2 : 1					



PROJECT		Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng	
SIZE	A3	DWG NO	Internal mounting plate (m1 to m8)		REV
SCALE	2: 1	29/01/2023	SHEET 20 OF 20		