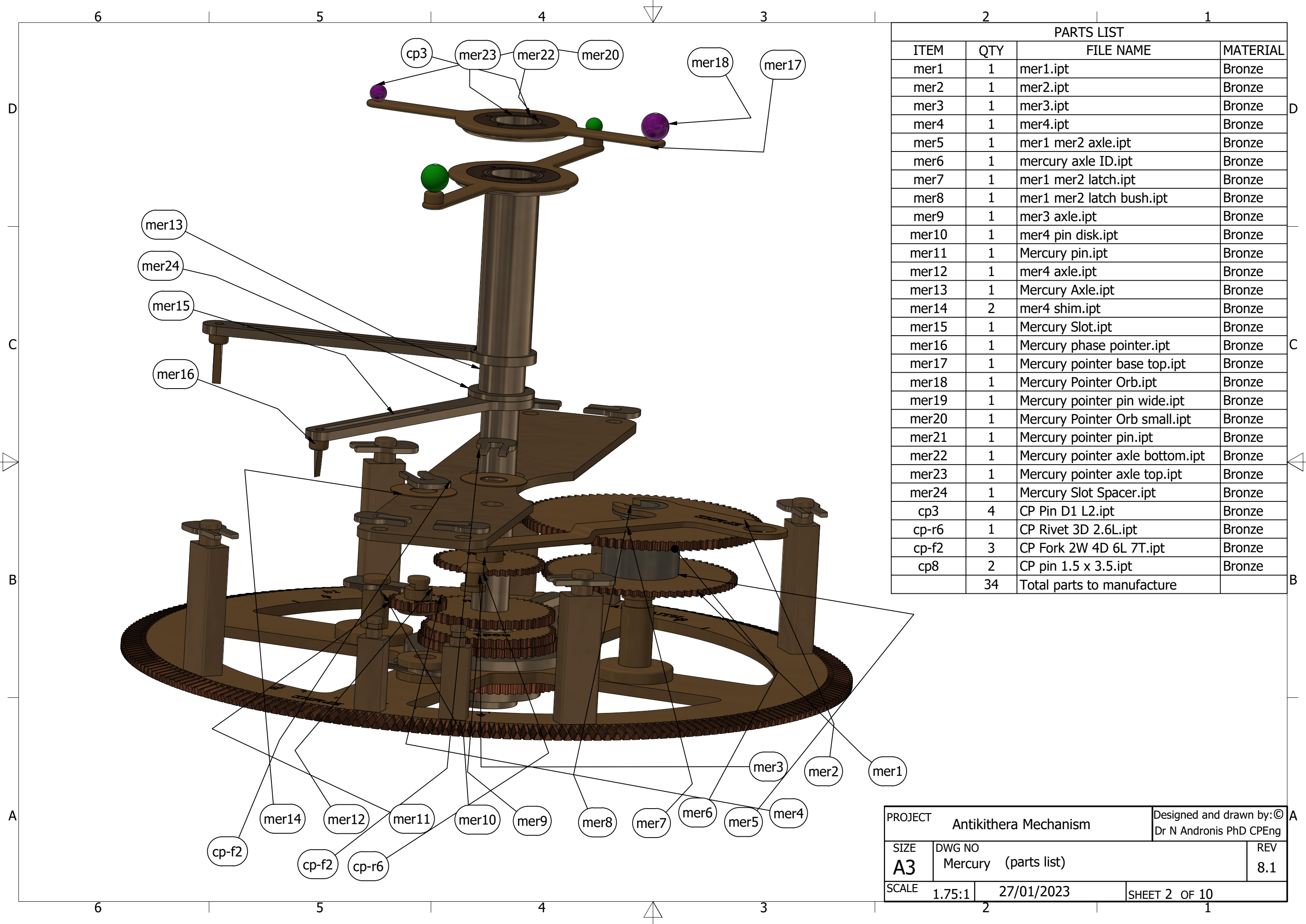
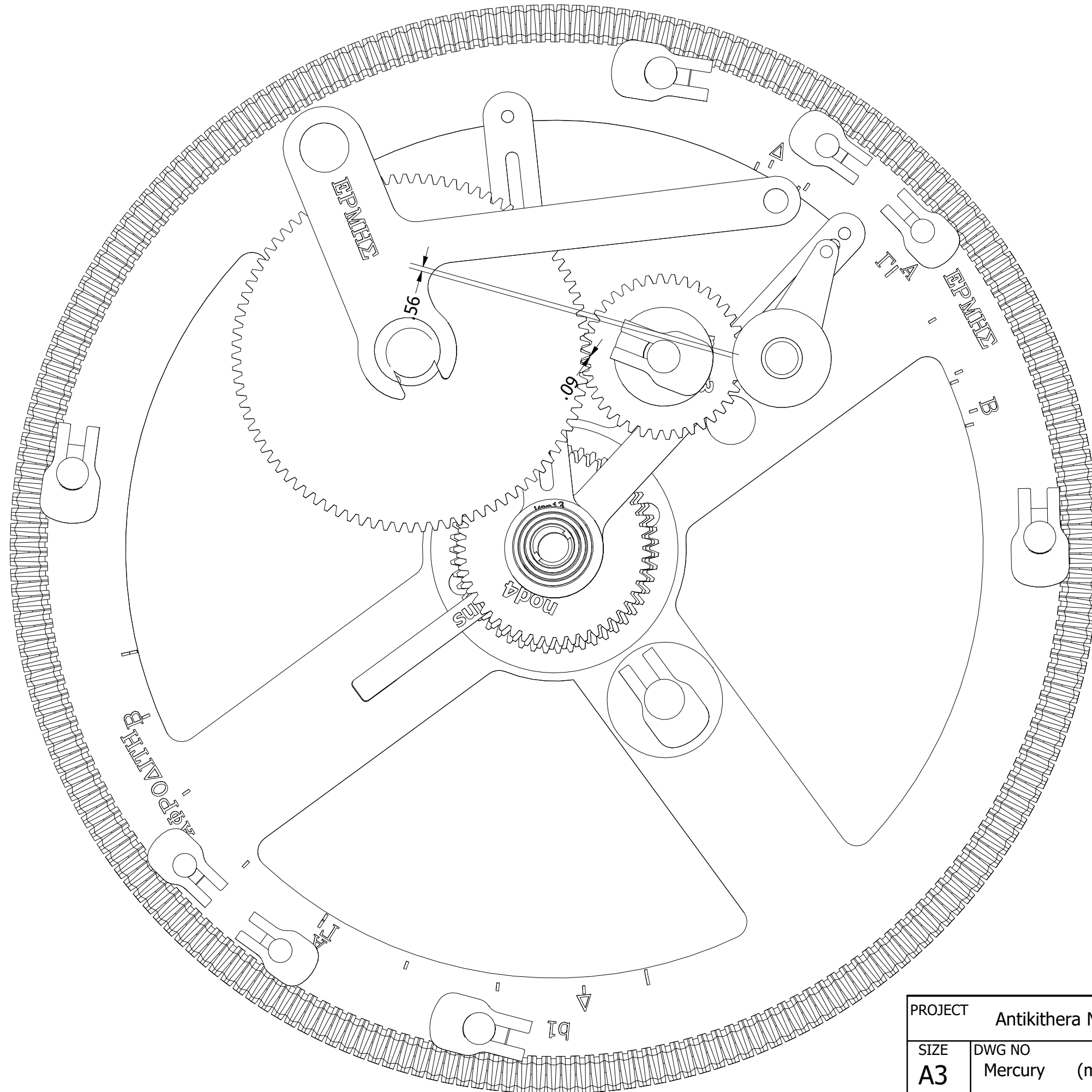


PROJECT		Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng	
SIZE	DWG NO			REV	
A3	Mercury (assembly)			8.1	
SCALE		2: 1	27/01/2023	SHEET 1 OF 10	

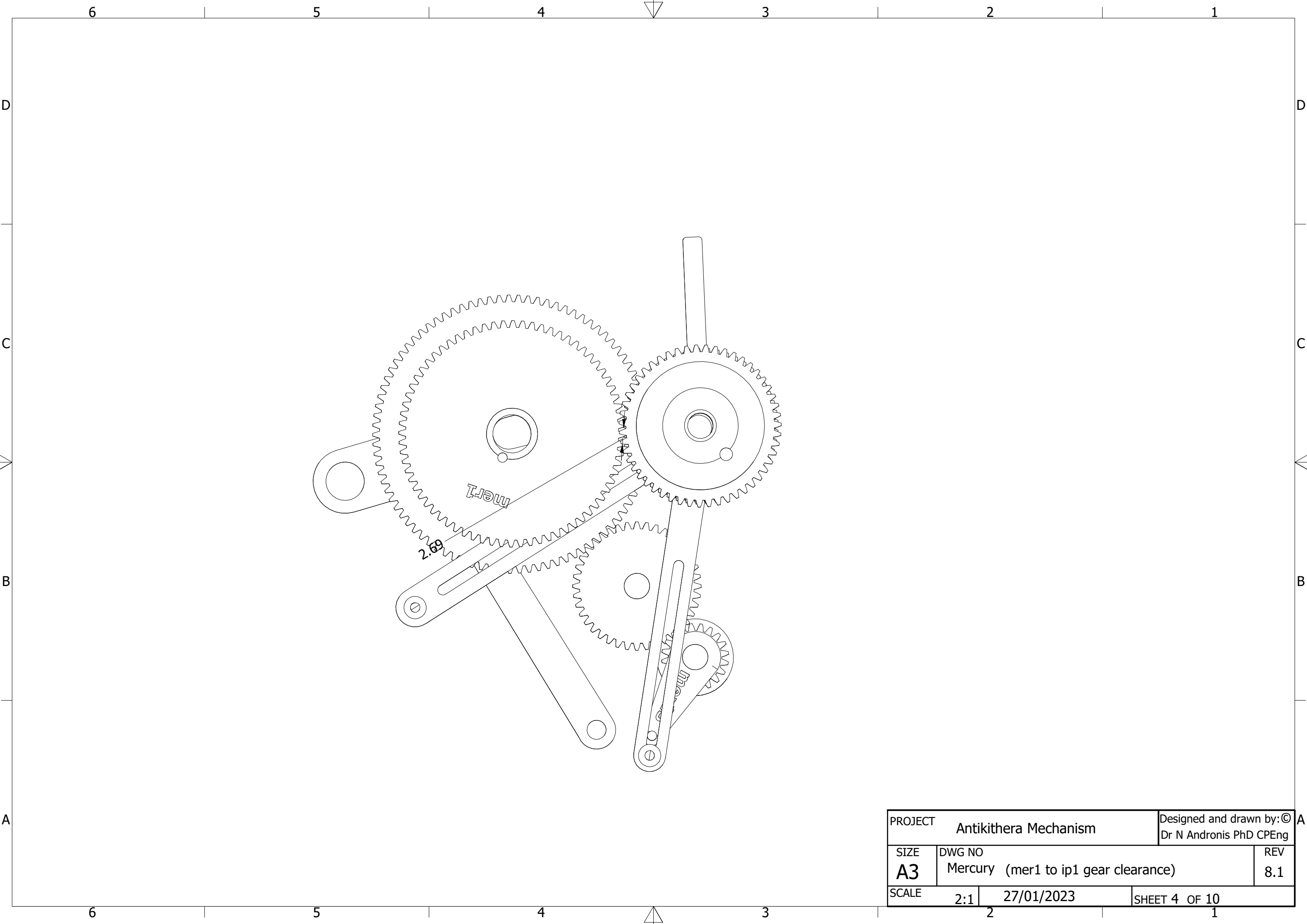


PARTS LIST			
ITEM	QTY	FILE NAME	MATERIAL
mer1	1	mer1.ipt	Bronze
mer2	1	mer2.ipt	Bronze
mer3	1	mer3.ipt	Bronze
mer4	1	mer4.ipt	Bronze
mer5	1	mer1 mer2 axle.ipt	Bronze
mer6	1	mercury axle ID.ipt	Bronze
mer7	1	mer1 mer2 latch.ipt	Bronze
mer8	1	mer1 mer2 latch bush.ipt	Bronze
mer9	1	mer3 axle.ipt	Bronze
mer10	1	mer4 pin disk.ipt	Bronze
mer11	1	Mercury pin.ipt	Bronze
mer12	1	mer4 axle.ipt	Bronze
mer13	1	Mercury Axle.ipt	Bronze
mer14	2	mer4 shim.ipt	Bronze
mer15	1	Mercury Slot.ipt	Bronze
mer16	1	Mercury phase pointer.ipt	Bronze
mer17	1	Mercury pointer base top.ipt	Bronze
mer18	1	Mercury Pointer Orb.ipt	Bronze
mer19	1	Mercury pointer pin wide.ipt	Bronze
mer20	1	Mercury Pointer Orb small.ipt	Bronze
mer21	1	Mercury pointer pin.ipt	Bronze
mer22	1	Mercury pointer axle bottom.ipt	Bronze
mer23	1	Mercury pointer axle top.ipt	Bronze
mer24	1	Mercury Slot Spacer.ipt	Bronze
cp3	4	CP Pin D1 L2.ipt	Bronze
cp-r6	1	CP Rivet 3D 2.6L.ipt	Bronze
cp-f2	3	CP Fork 2W 4D 6L 7T.ipt	Bronze
cp8	2	CP pin 1.5 x 3.5.ipt	Bronze
	34	Total parts to manufacture	

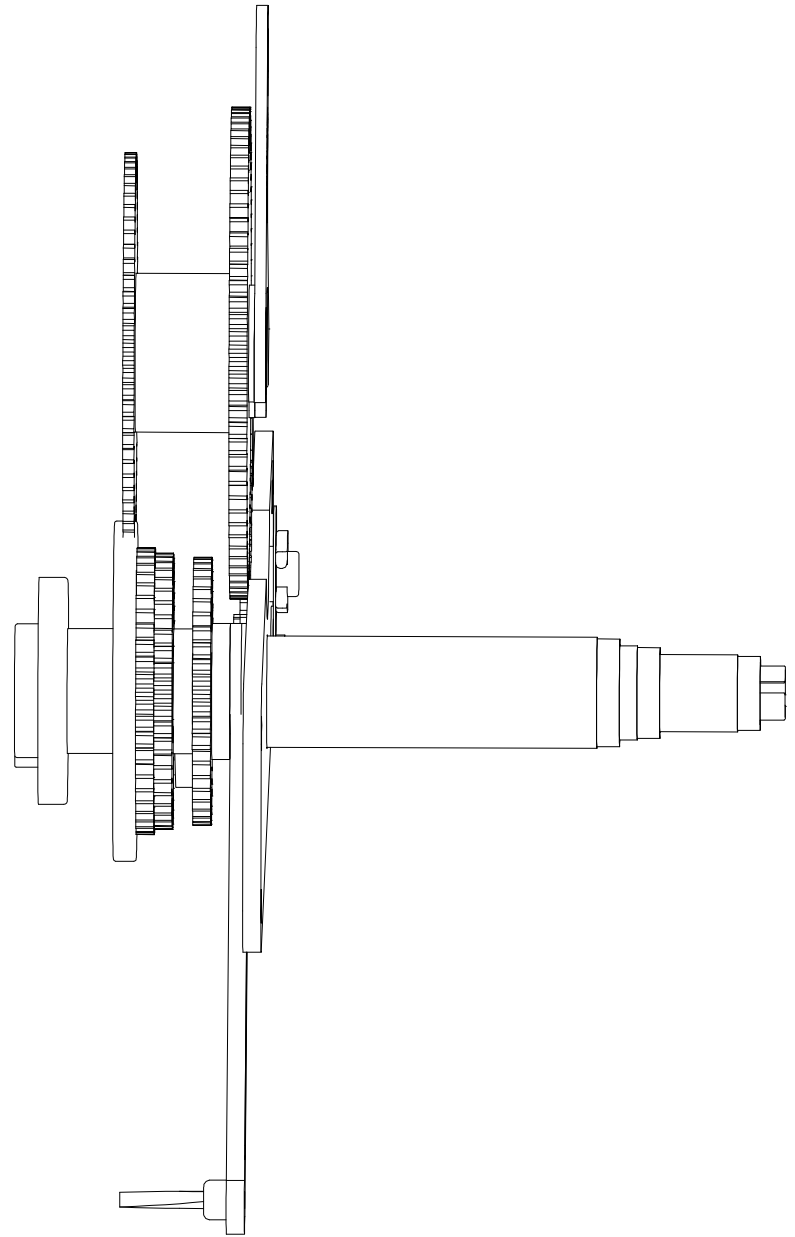
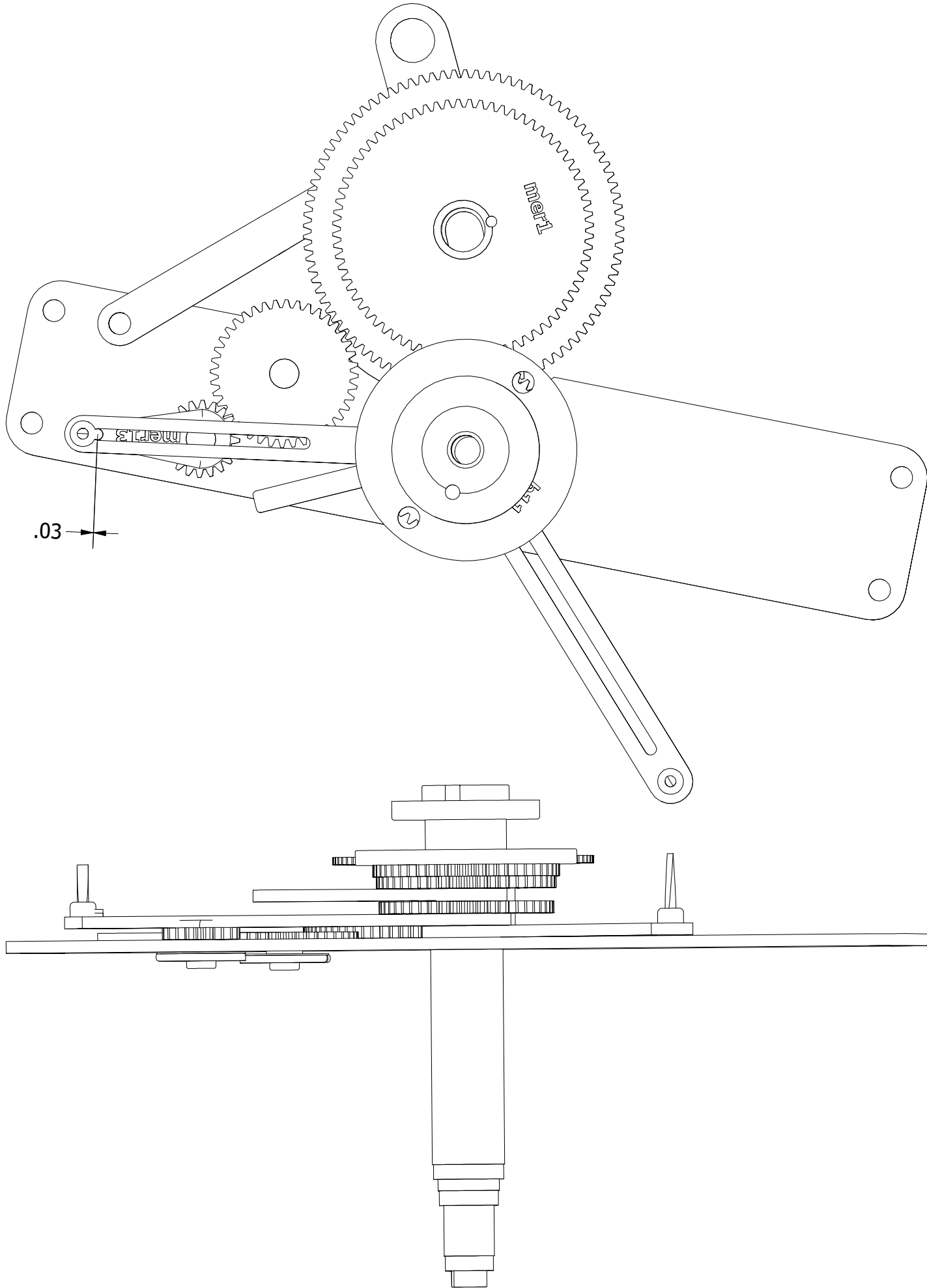
PROJECT		Antikithera Mechanism		Designed and drawn by:©	
SIZE		DWG NO		REV	
A3		Mercury (parts list)		8.1	
SCALE		1.75:1		27/01/2023	
				SHEET 2 OF 10	



PROJECT		Antikithera Mechanism		Designed and drawn by: © A Dr N Andronis PhD CPEng	
SIZE	DWG NO			REV	
A3	Mercury (mer1 to mer2 gear clearance)			8.1	
SCALE		2:1		27/01/2023	
				SHEET 3 OF 10	

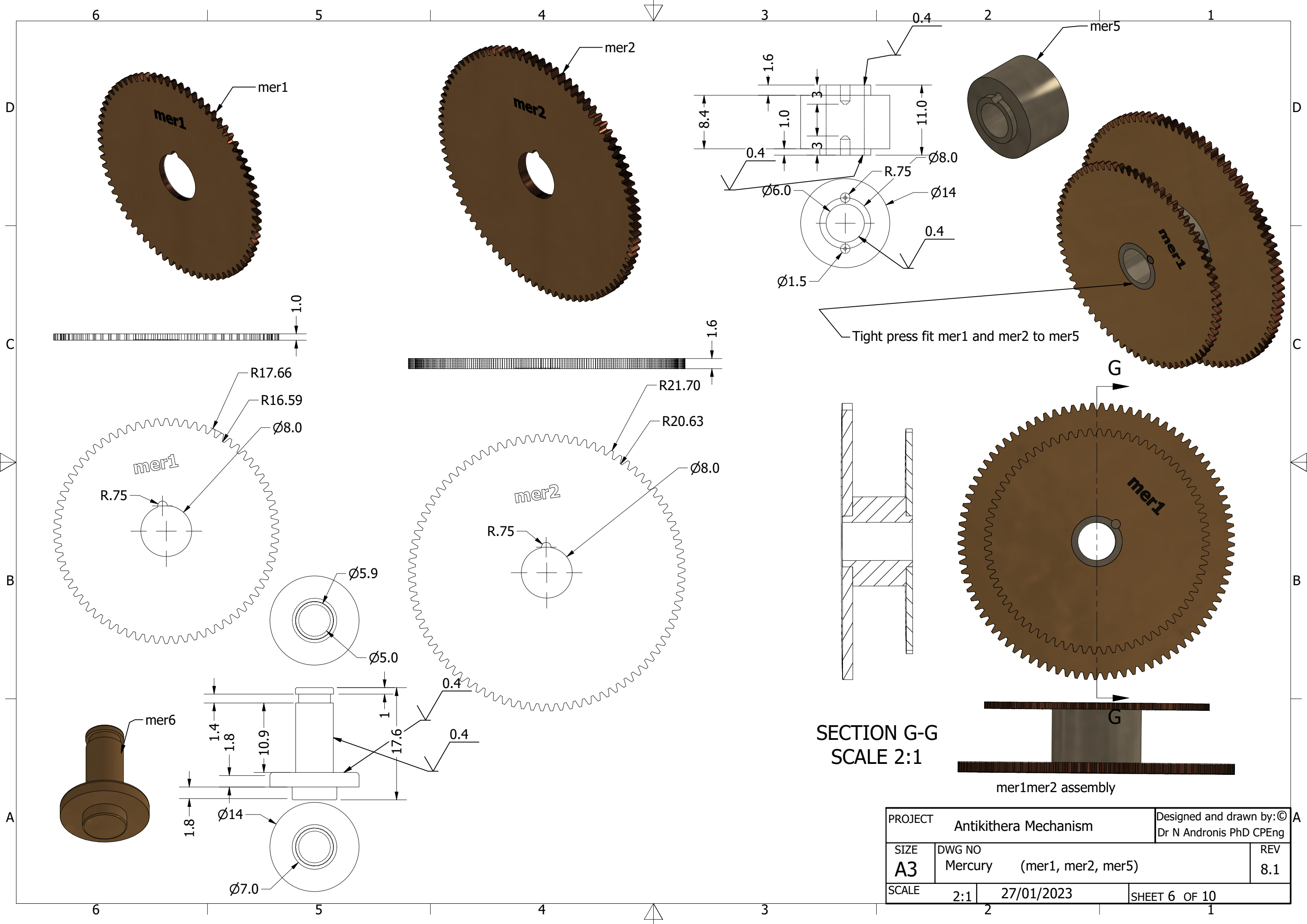


PROJECT		Antikithera Mechanism		Designed and drawn by: © A Dr N Andronis PhD CPEng	
SIZE	DWG NO			REV	
A3	Mercury (mer1 to ip1 gear clearance)			8.1	
SCALE		2:1	27/01/2023	SHEET 4 OF 10	

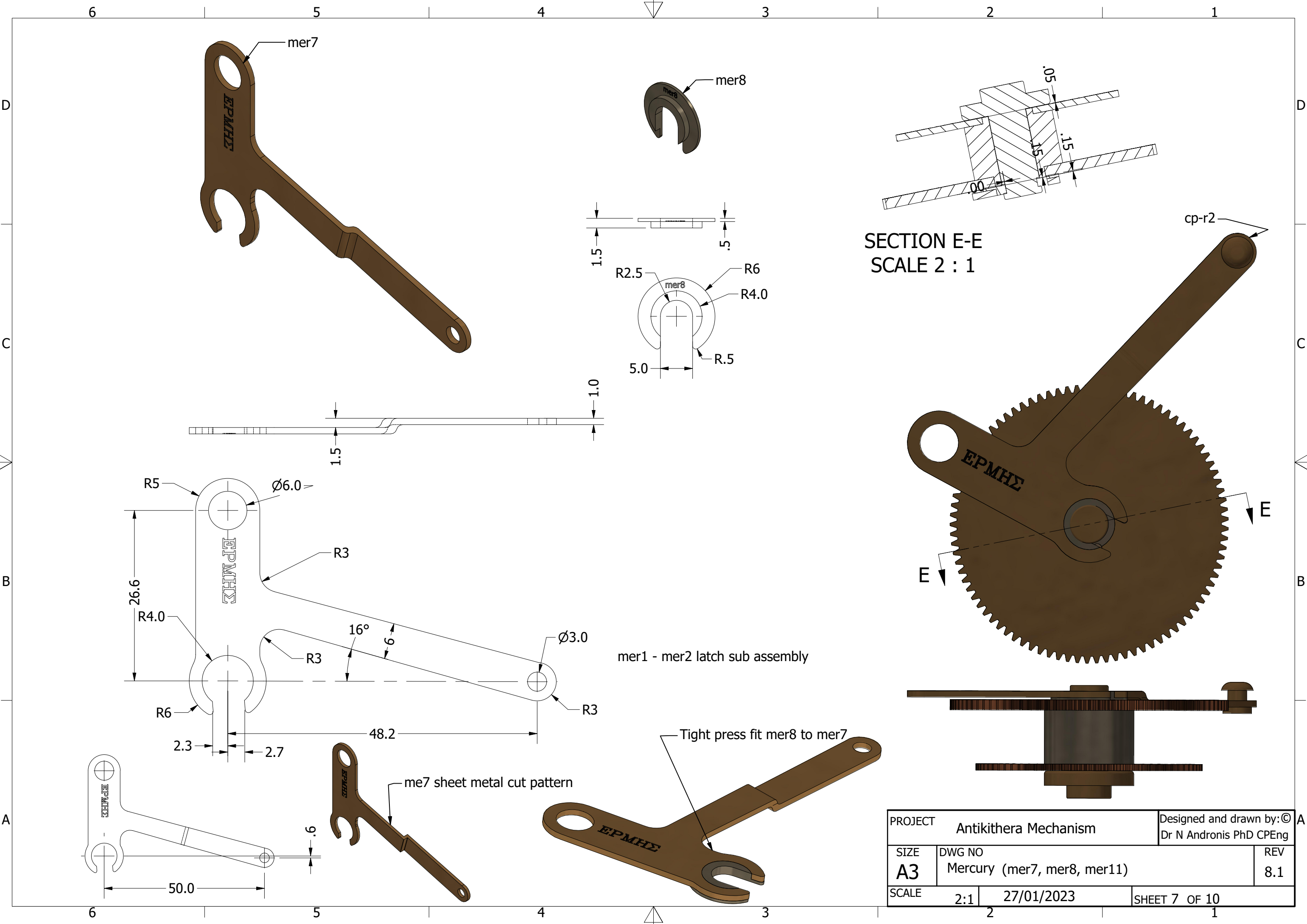


PROJECT	Antikythera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng
SIZE <b>A3</b>	DWG NO Mercury	(mer1? slider pin clearance)	REV 8.1
SCALE	1.5: 1	27/01/2023	SHEET 5 OF 10





PROJECT		Antikithera Mechanism		Designed and drawn by:©	
SIZE		DWG NO		REV	
A3		Mercury (mer1, mer2, mer5)		8.1	
SCALE		27/01/2023		SHEET 6 OF 10	



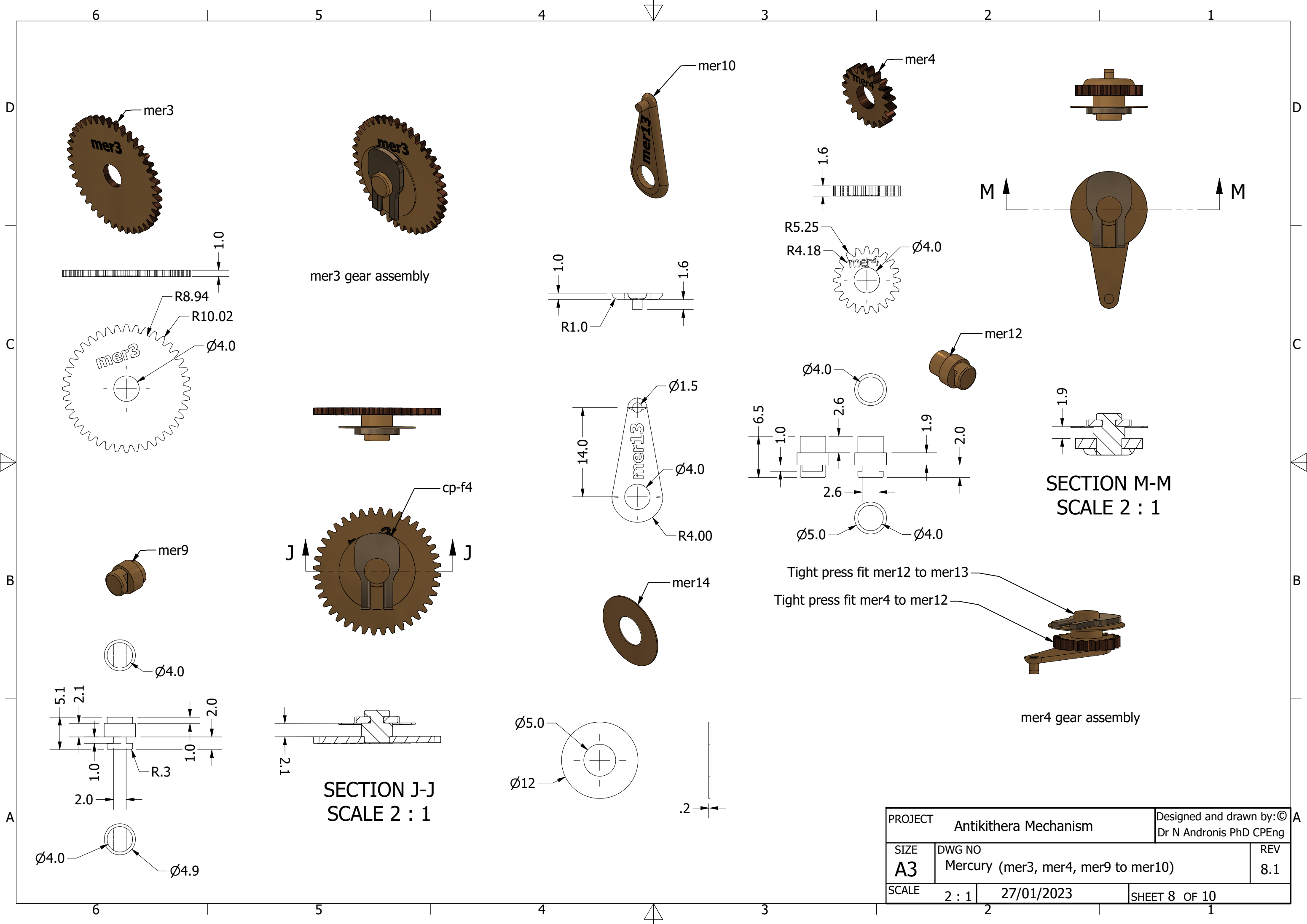
SECTION E-E  
SCALE 2 : 1

mer1 - mer2 latch sub assembly

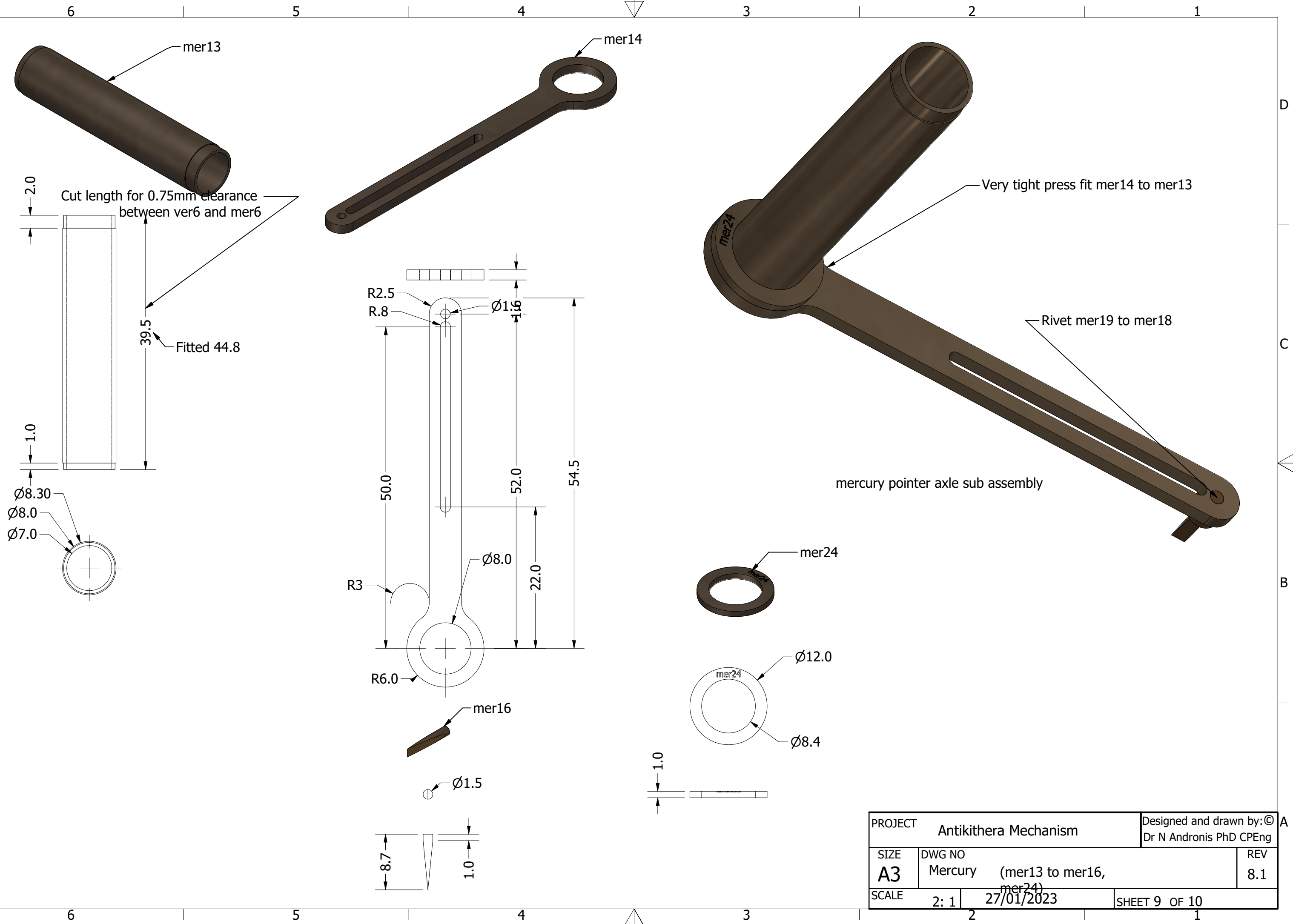
Tight press fit mer8 to mer7

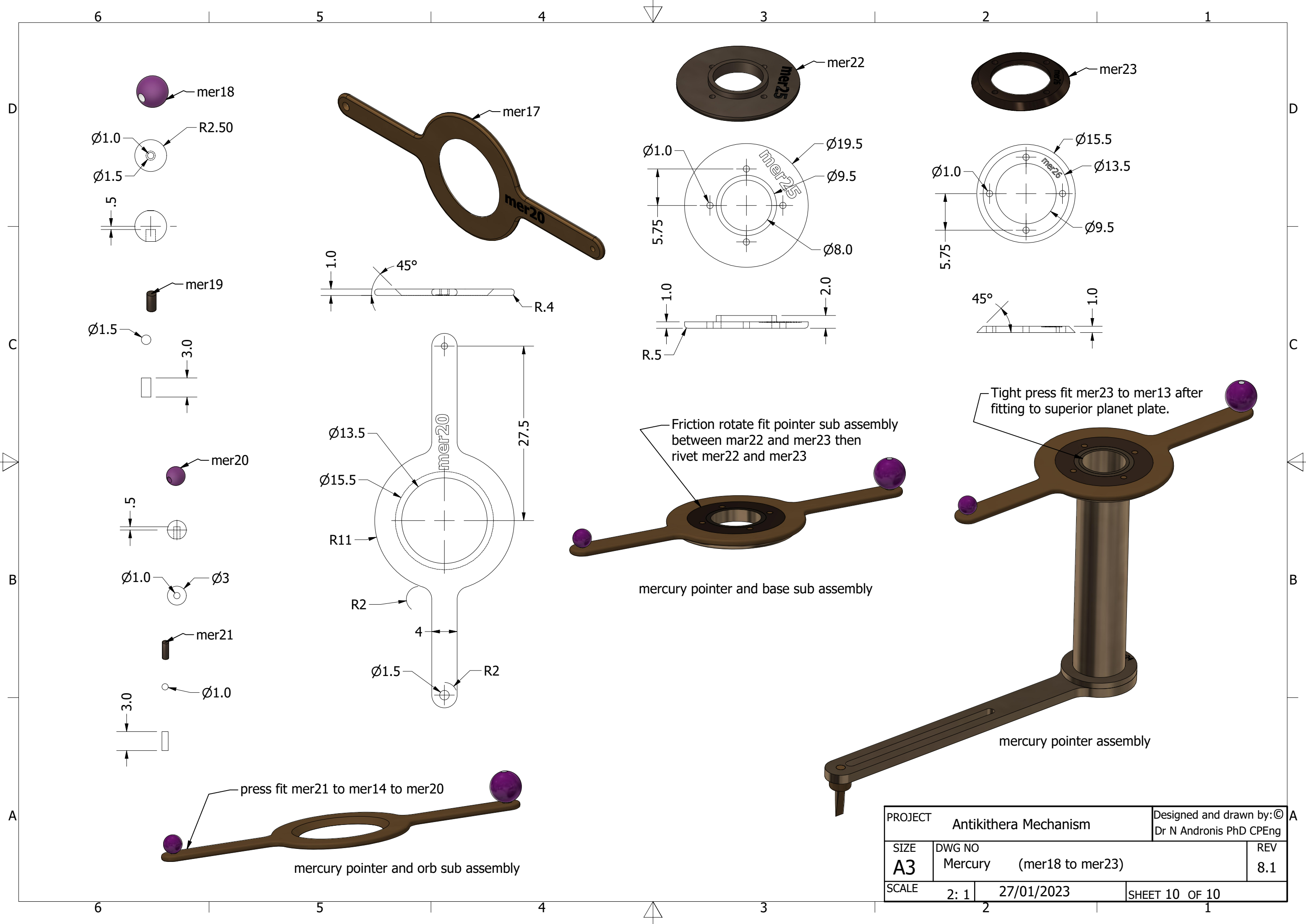
me7 sheet metal cut pattern

PROJECT		Antikithera Mechanism		Designed and drawn by:©	
SIZE		DWG NO		REV	
A3		Mercury (mer7, mer8, mer11)		8.1	
SCALE		27/01/2023		SHEET 7 OF 10	









Friction rotate fit pointer sub assembly between mar22 and mer23 then rivet mer22 and mer23

Tight press fit mer23 to mer13 after fitting to superior planet plate.

press fit mer21 to mer14 to mer20

PROJECT		Antikithera Mechanism		Designed and drawn by:©	
SIZE		DWG NO		REV	
A3		Mercury (mer18 to mer23)		8.1	
SCALE		27/01/2023		SHEET 10 OF 10	
2: 1					