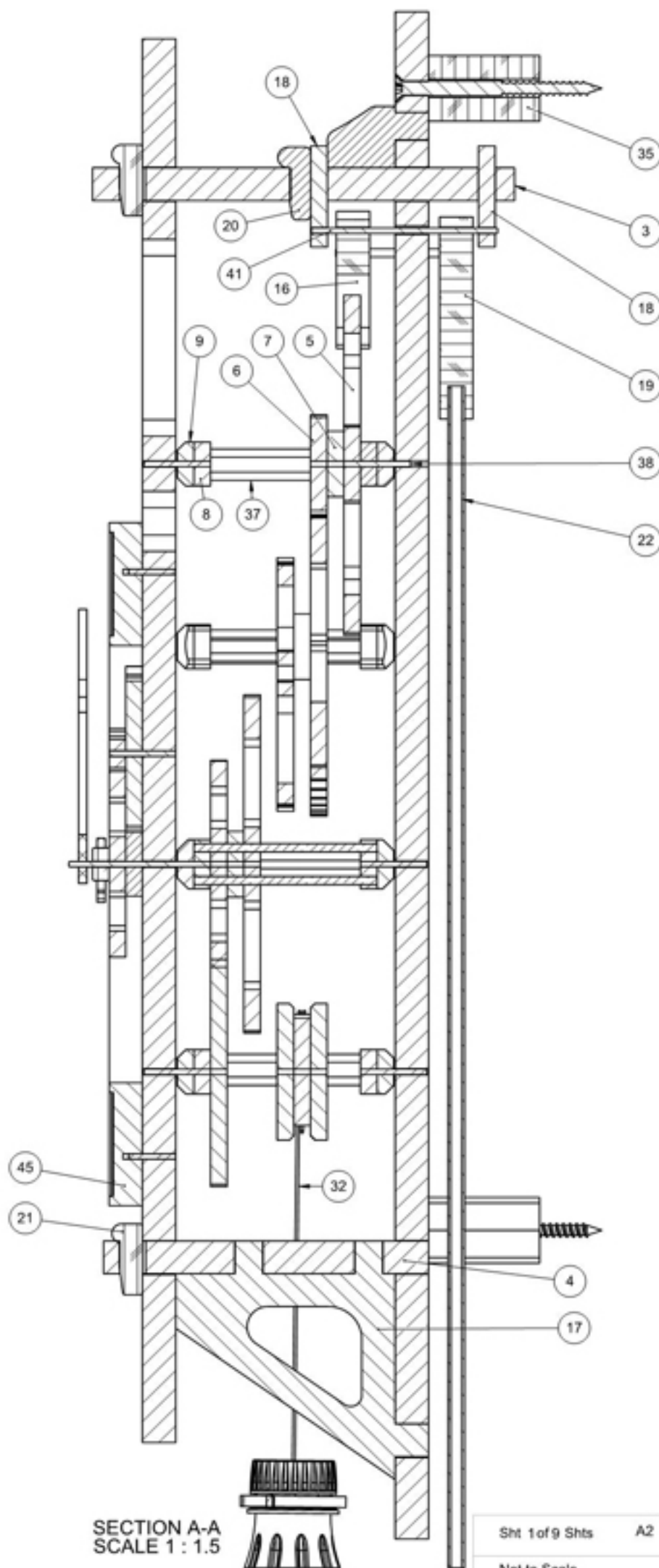
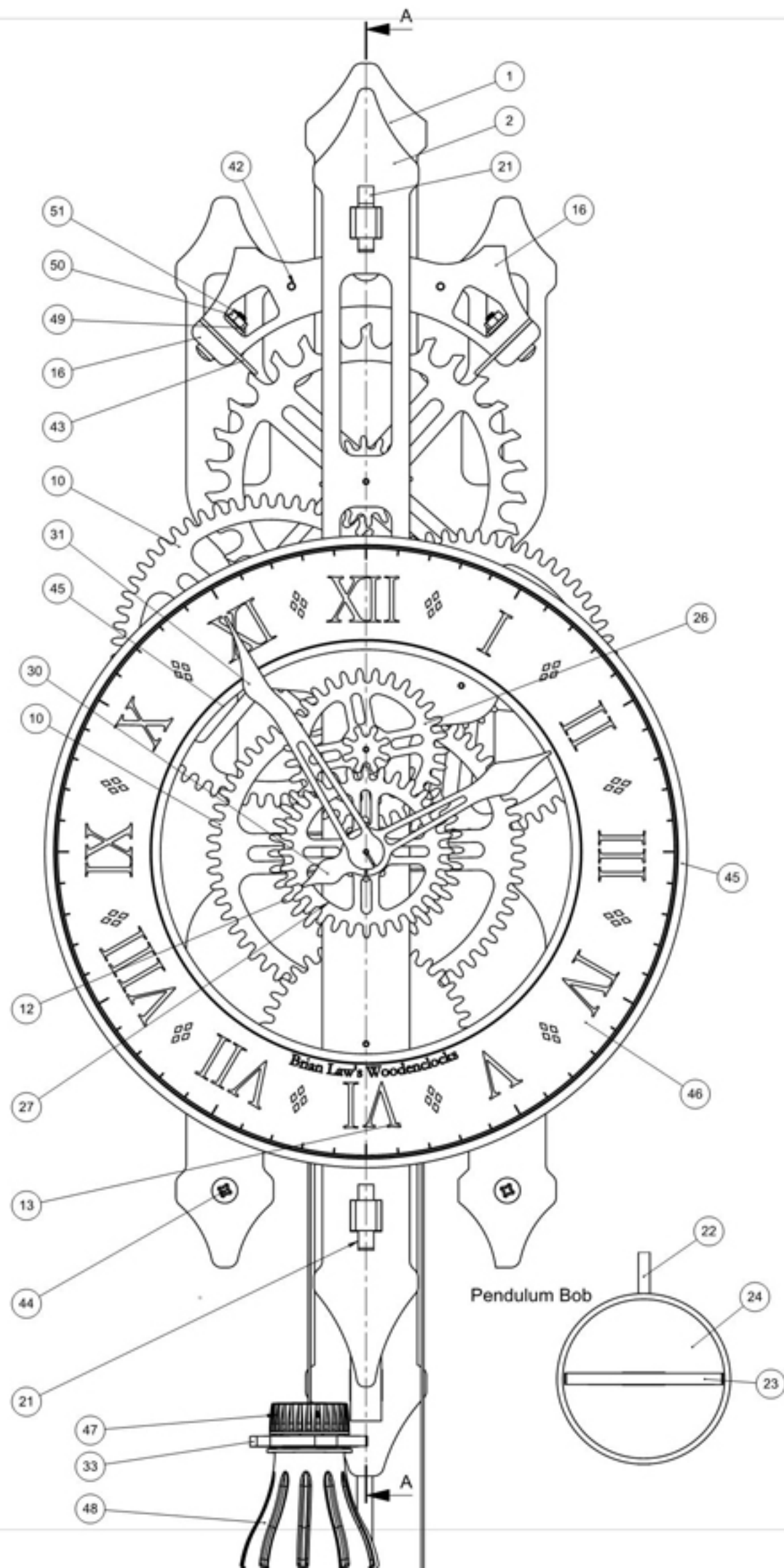




ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Clock 30 Back Frame	Wood 10mm thk	1
2	Clock 30 Front Frame	Wood 10mm thk	1
3	Clock 30 Frame Spacer-Top	Wood 10mm thk	1
4	Clock 30 Frame Spacer-Bottom	Wood 10mm thk	1
5	Clock 30 Escape wheel	Wood 6mm thk	1
6	Clock 30 Gear 16 Teeth	Wood 6mm thk	1
7	Clock 30 Gear Spacer	Wood 6mm thk	4
8	Clock 30 Shaft End	Wood 6mm thk	10
9	Clock 30 Shaft End-reduced	Wood 6mm thk	10
10	Clock 30 Gear 60 Teeth	Wood 6mm thk	3
11	Clock 30 Gear 15 Teeth	Wood 6mm thk	2
12	Clock 30-Gears-36 Teeth	Wood 6mm thk	1
13	Clock 30-Gears-40 Teeth	Wood 6mm thk	1
14	Clock 30 Drum Centre	Wood 6mm thk	1
15	Clock 30 Drum side	Wood 6mm thk	2
16	Clock 30 Escapement	Wood 10mm thk	1
17	Clock 30 Bottom Brace	Wood 10mm thk	1
18	Clock 30 Pendulum Hanger	Wood 6mm thk	2
19	Clock 30 Pendulum Head	Wood 10mm thk	1
20	Clock 25 Hanger Wedge	Wood 10mm thk	1
21	Clock 30 Wedge	Wood 6mm thk	2
22	Clock 30 Pendulum Rod	Wood 10mm thk	1
23	Clock 30 Pendulum Lock	Wood 6mm thk	1
24	Clock 30-Pendulum Bob	Wood 20 mm (2 Layers)	2
25	Clock 30 Gears 10 Teeth	Wood 6mm thk	1
26	Clock 30 Hour Gear 30 Teeth	Wood 6mm thk	1
27	Clock 30 Hour Gear 32 Teeth	Wood 6mm thk	1
28	Clock 30 Hour Gear 8 Teeth	Wood 6mm thk	1
29	Clock 30 Hour Tube	Wood	1
30	Clock 30 Hour Hand	Plastic 3mm thk	1
31	Clock 30 Minute Hand	Plastic 3mm thk	1
32	Clock 19-Weight Cord	Ø1.2mm cord x 2mtrs	1
33	Clock 30 Bottle Hanger	Wood 4 mm thk	1
34	Clock 30 Counter Weight	Not Shown-14 grams	1
35	Clock 30 Wall Spacer	Wood 10mm thk	3
36	Clock 30 Top Brace	Wood 10mm thk	1
37	Clock 30 Gear Shaft	Steel or Brass Ø3 mm	20
38	Clock 30 Pivot Pin-24	Steel Ø2 mm	10
39	Clock 30 Pivot Pin-50	Steel Ø2	1
40	Clock 30 Pin-17	For the Dial	2
41	Clock 30 Pendulum-Escapement Pivot	Steel Ø2 mm	1
42	Clock 30 Pendulum-Escapement Pin	Steel Ø3 mm	2
43	Pallet	Plastic 1.5 mm thk	2
44	Woodscrew_No4_5x60	Brass	3
45	Clock 30 Dial-Blank	Wood 10mm thk	1
46	Clock 30 Dial Numerals	Thick Card	1
47	Coke Closure	As purchased	1
48	Coke Bottle	500 cc	1
49	M6 Washer	Steel M4	2
50	nut_din934_m4-6	Steel M4	2
51	Screw PAN H_M4 x 0-7_20		2

Sht 1 of 9 Shts A2

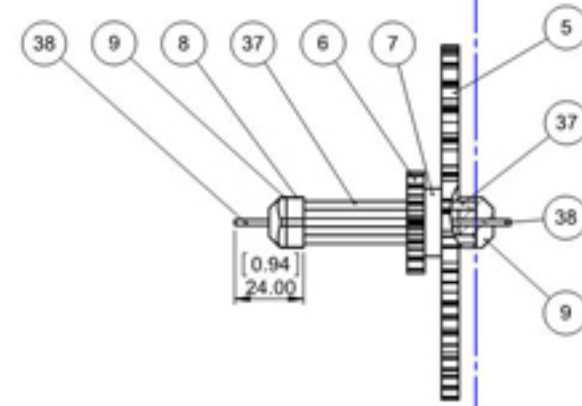
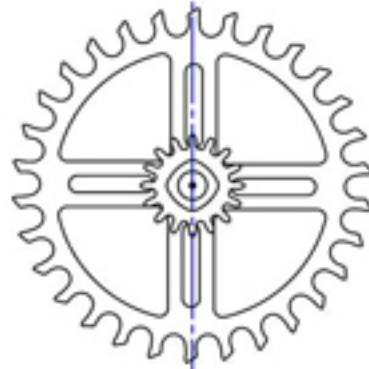
Law Wooden Clock 30 - Beginners Clock No 2

Not to Scale
Unless otherwise stated

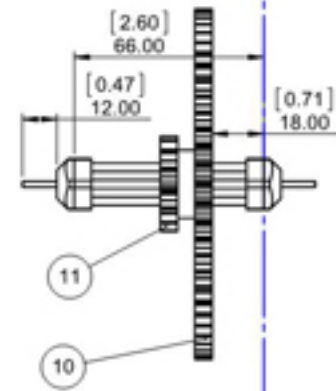
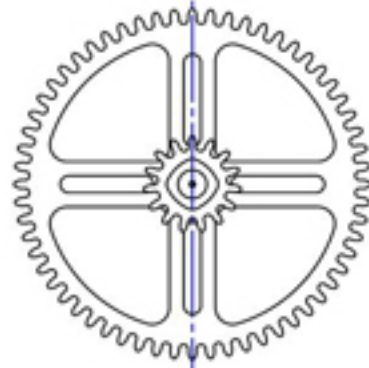
All dimensions in mm and (inches)
3rd Angle projection

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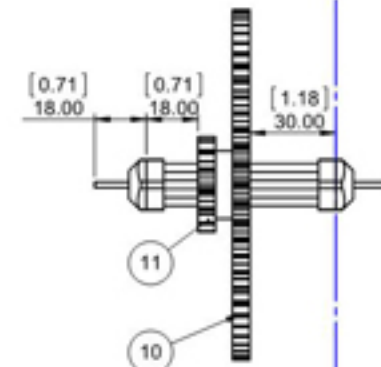
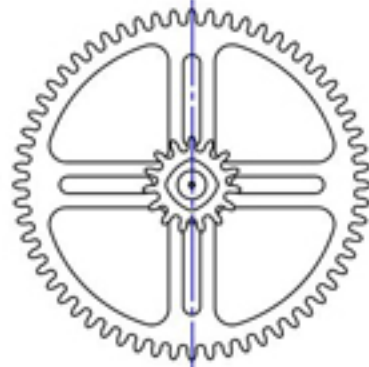
Escapement Wheel Assembly



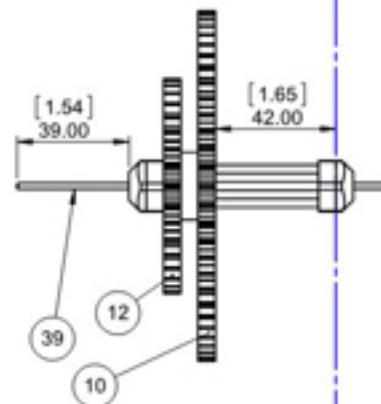
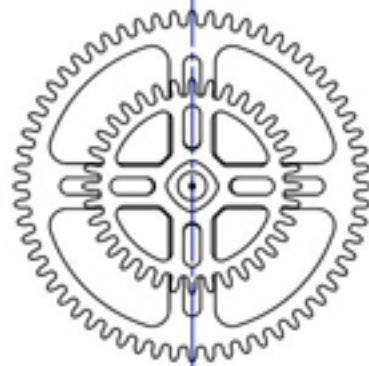
Gear Train 3



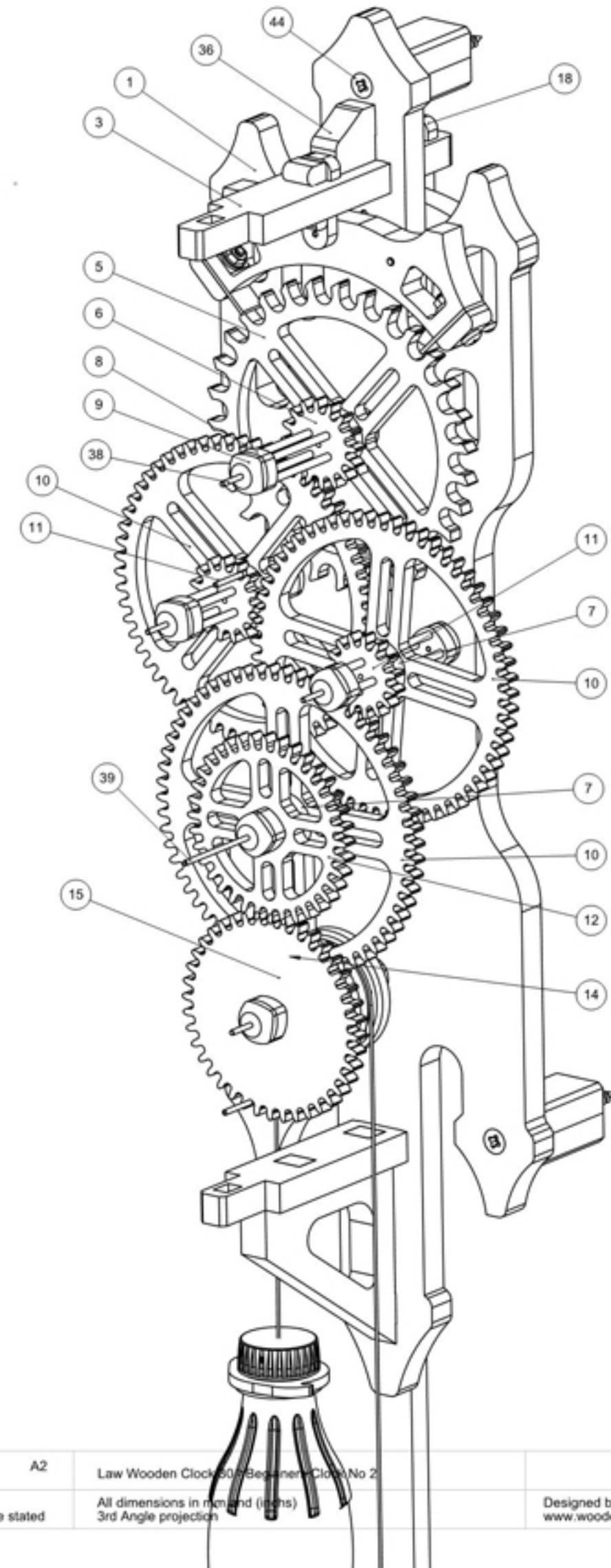
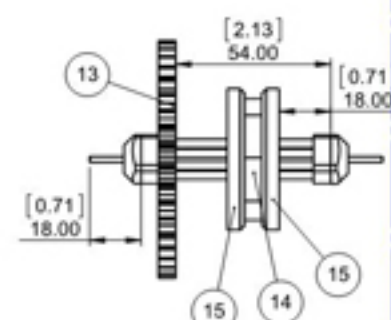
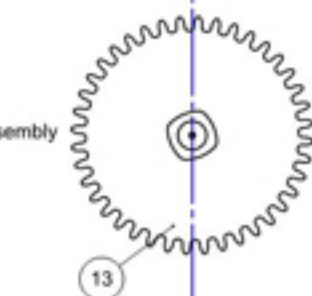
Gear Train 2

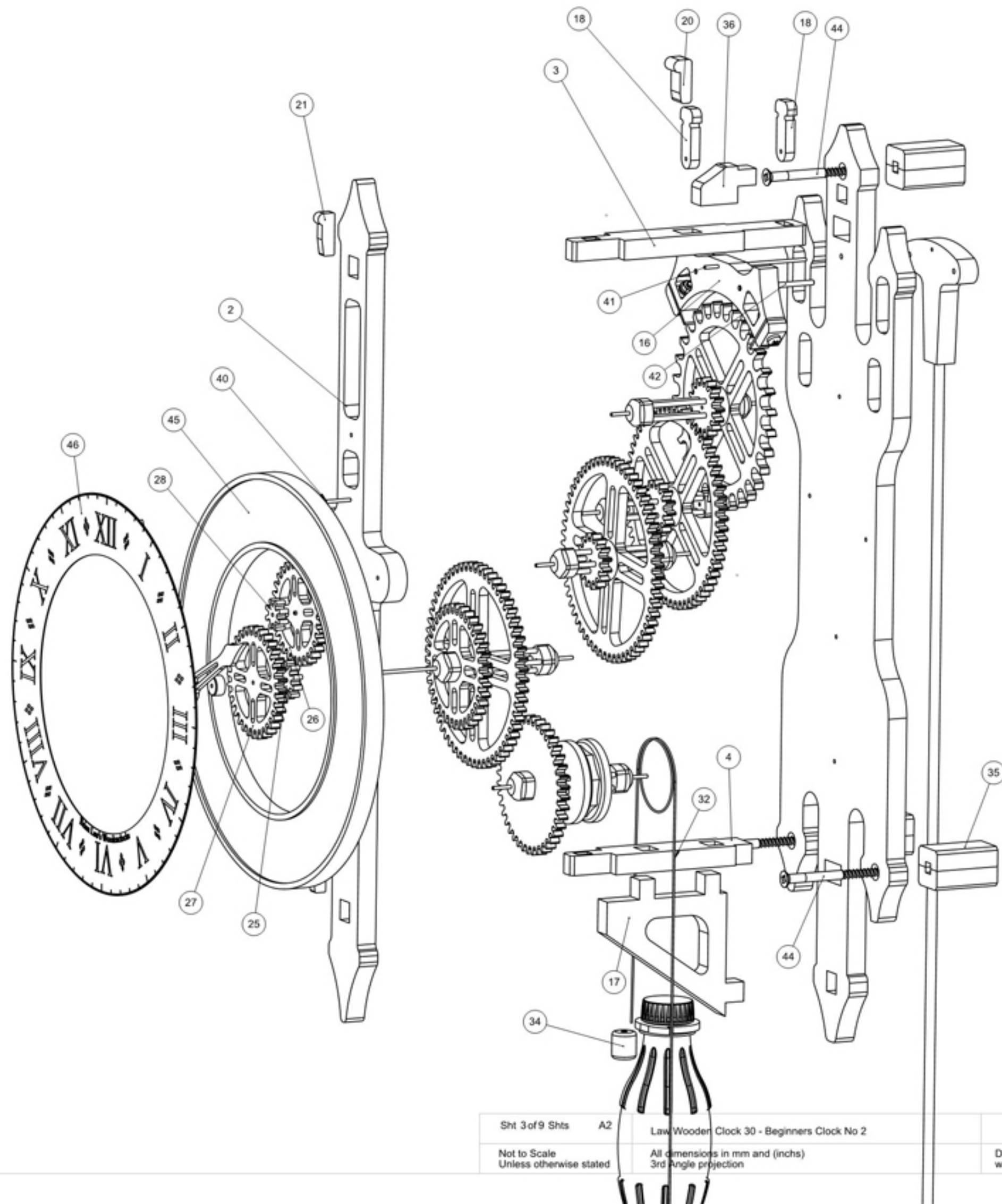
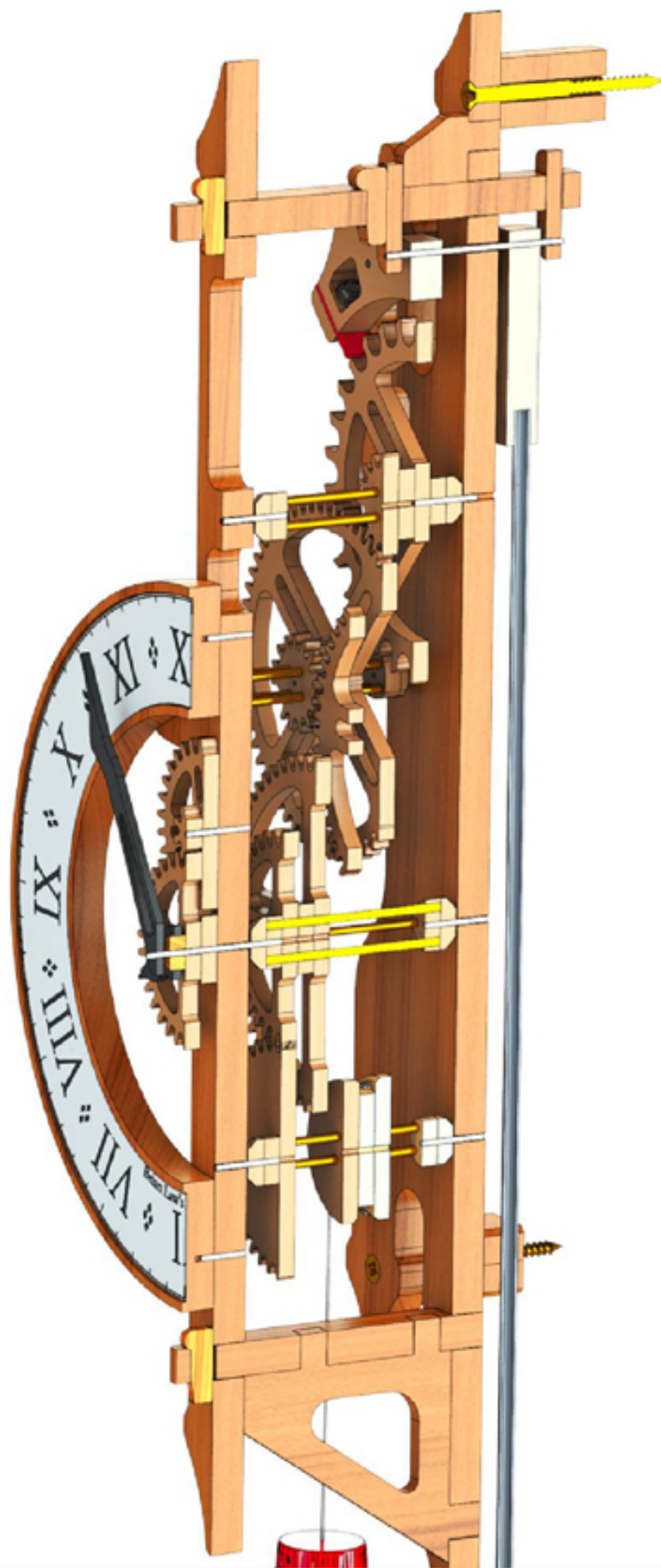


Gear Train 1



Drive Train Assembly





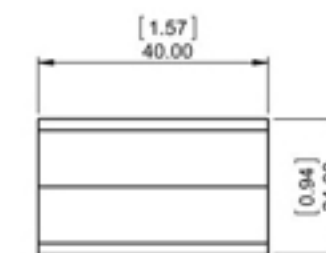
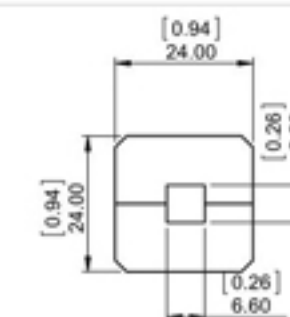
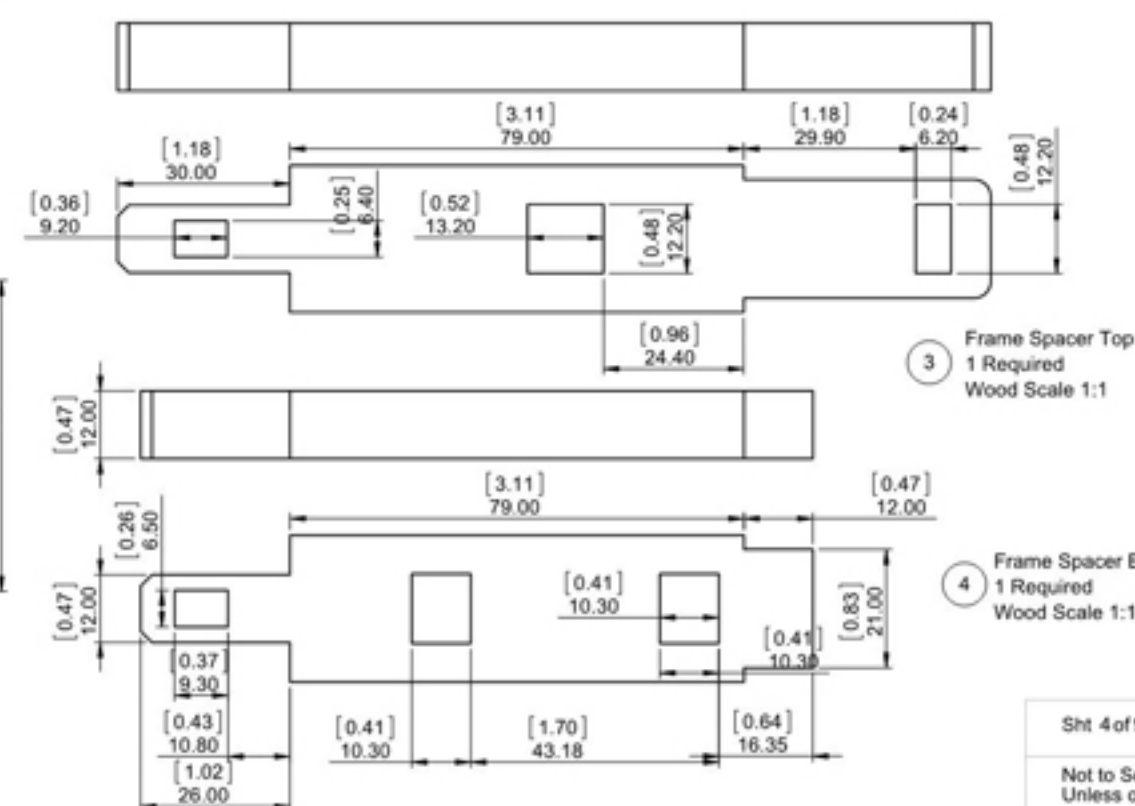
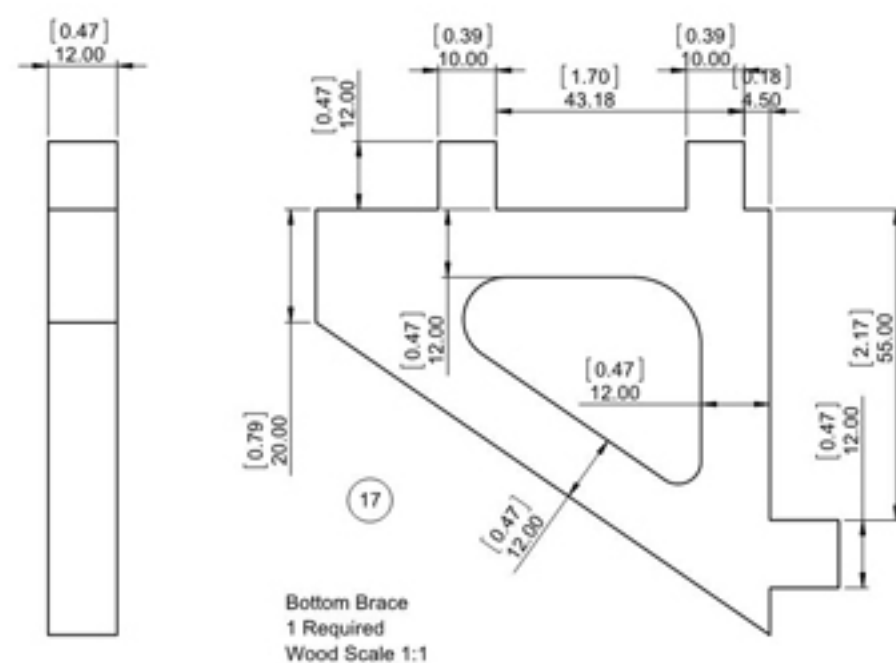
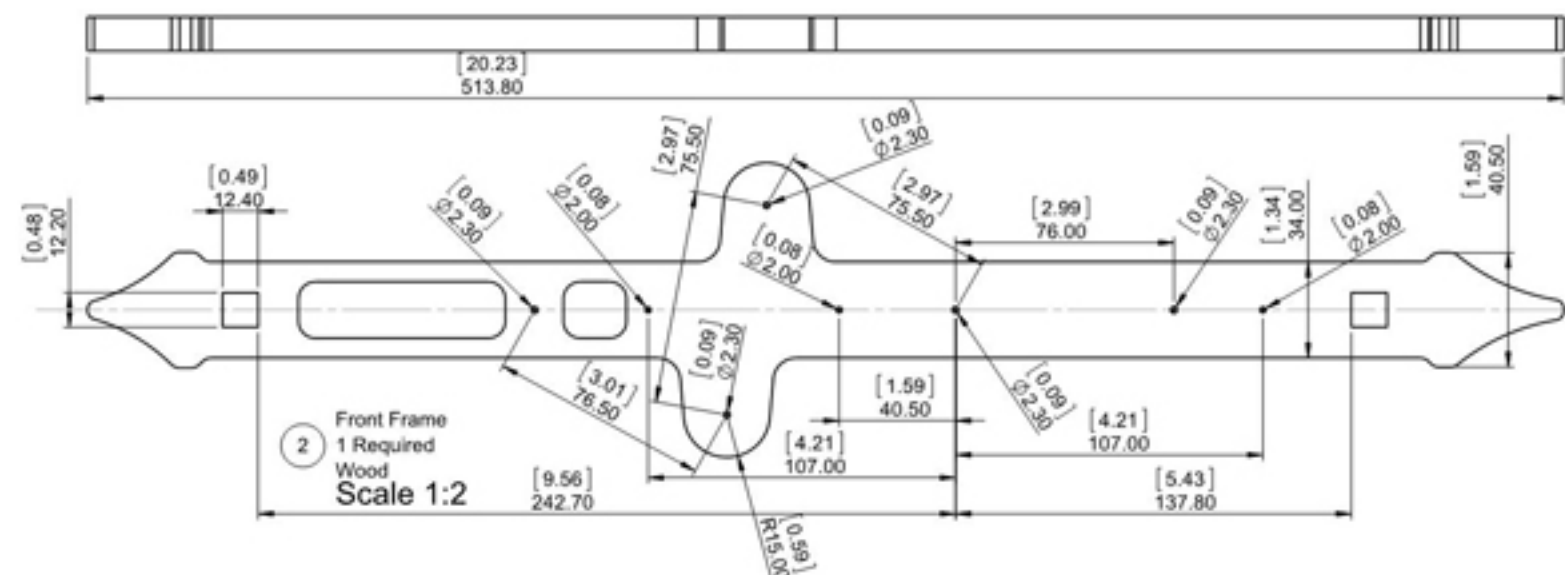
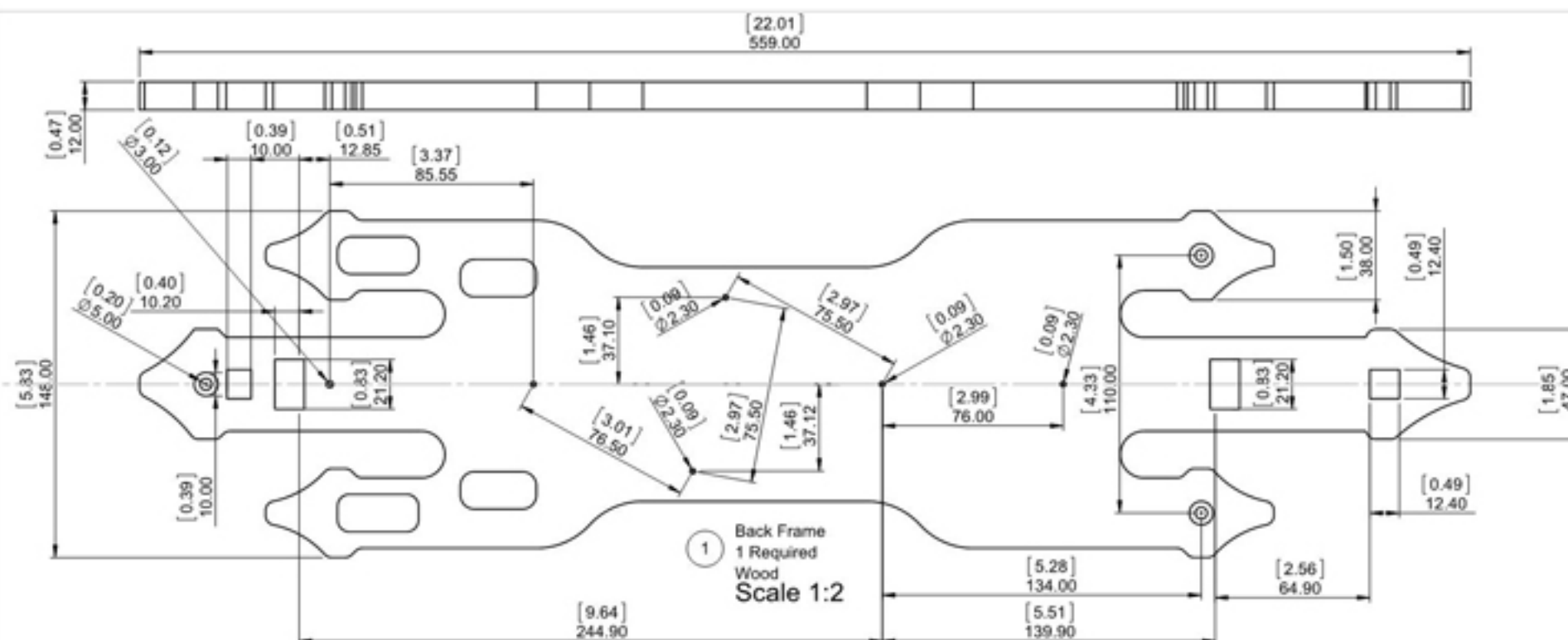
Sh1 3 of 9 Sh1s
Not to Scale
Unless otherwise stated

A2

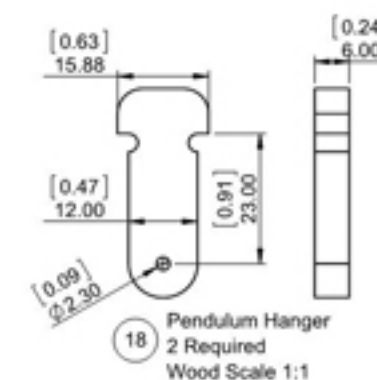
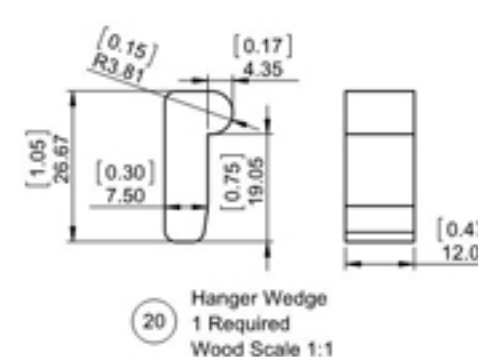
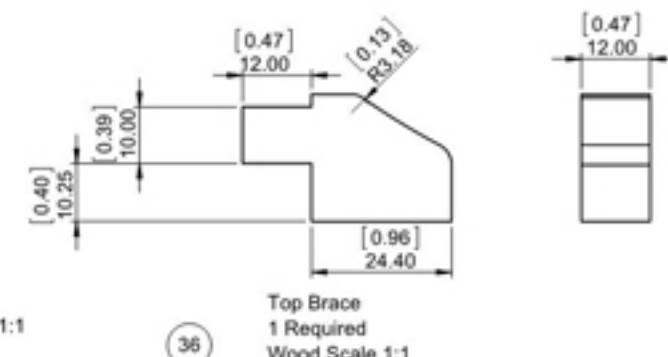
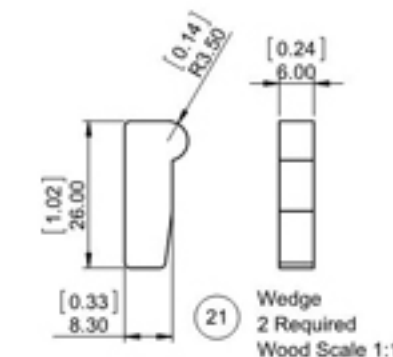
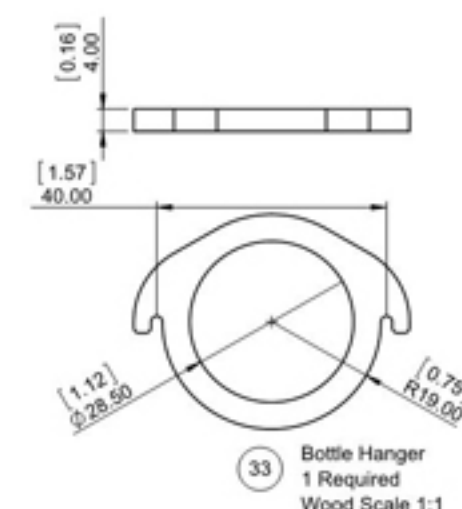
Law Wooden Clock 30 - Beginners Clock No 2

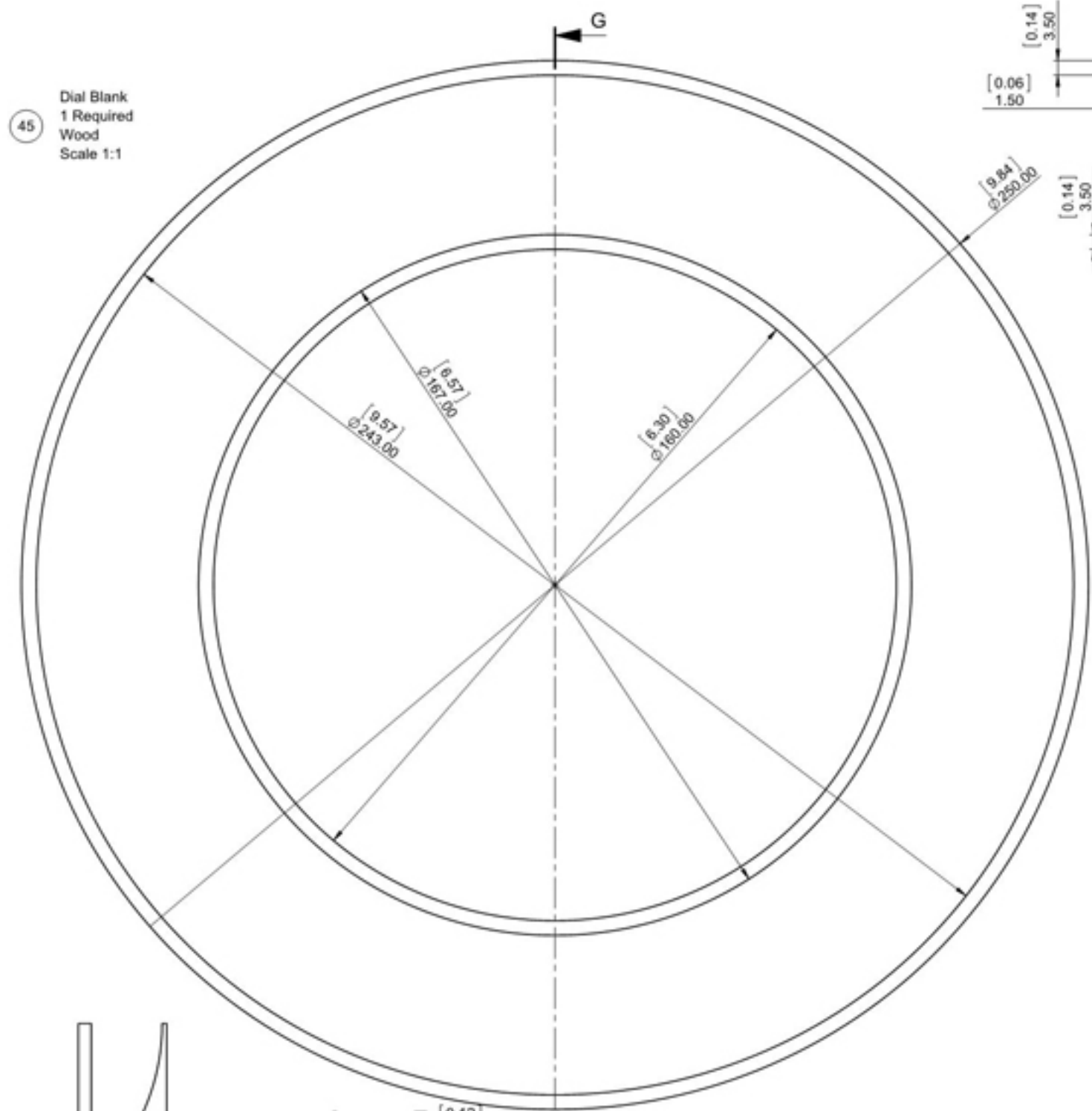
All dimensions in mm and (inches)
3rd Angle projection

Designed by: Brian law
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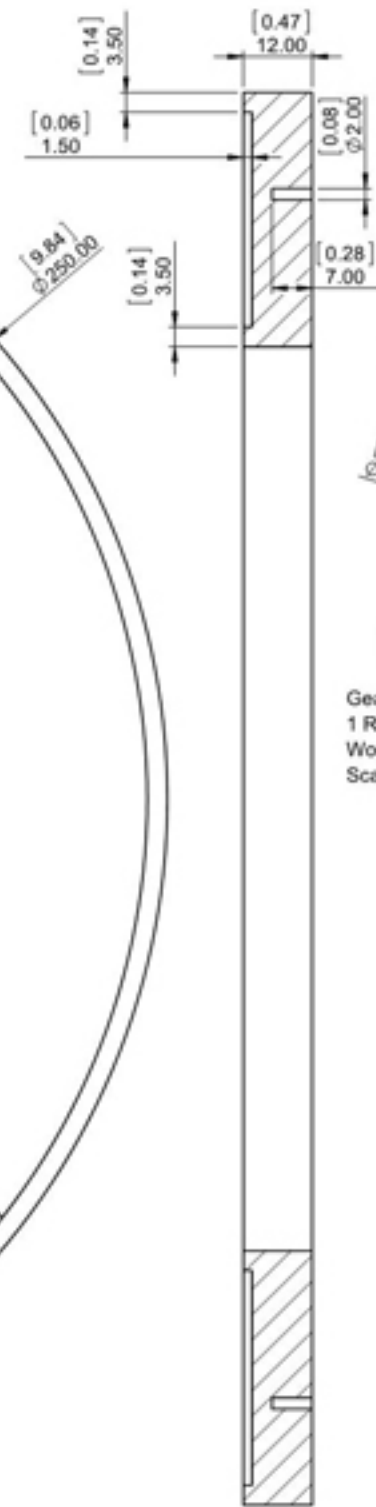


Note! Can be made in 2 parts, split down the centre and the groove milled through the centre OR made from Ø25mm Dowel

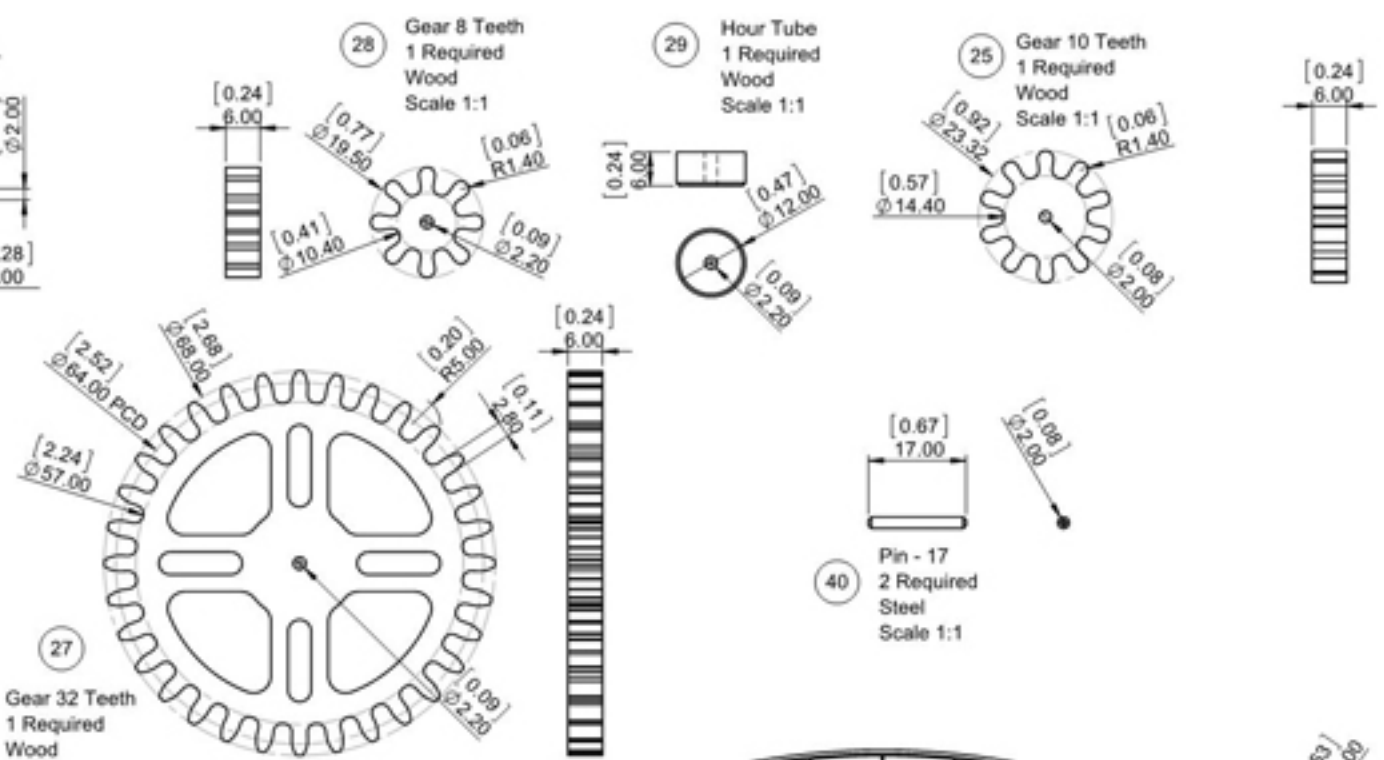




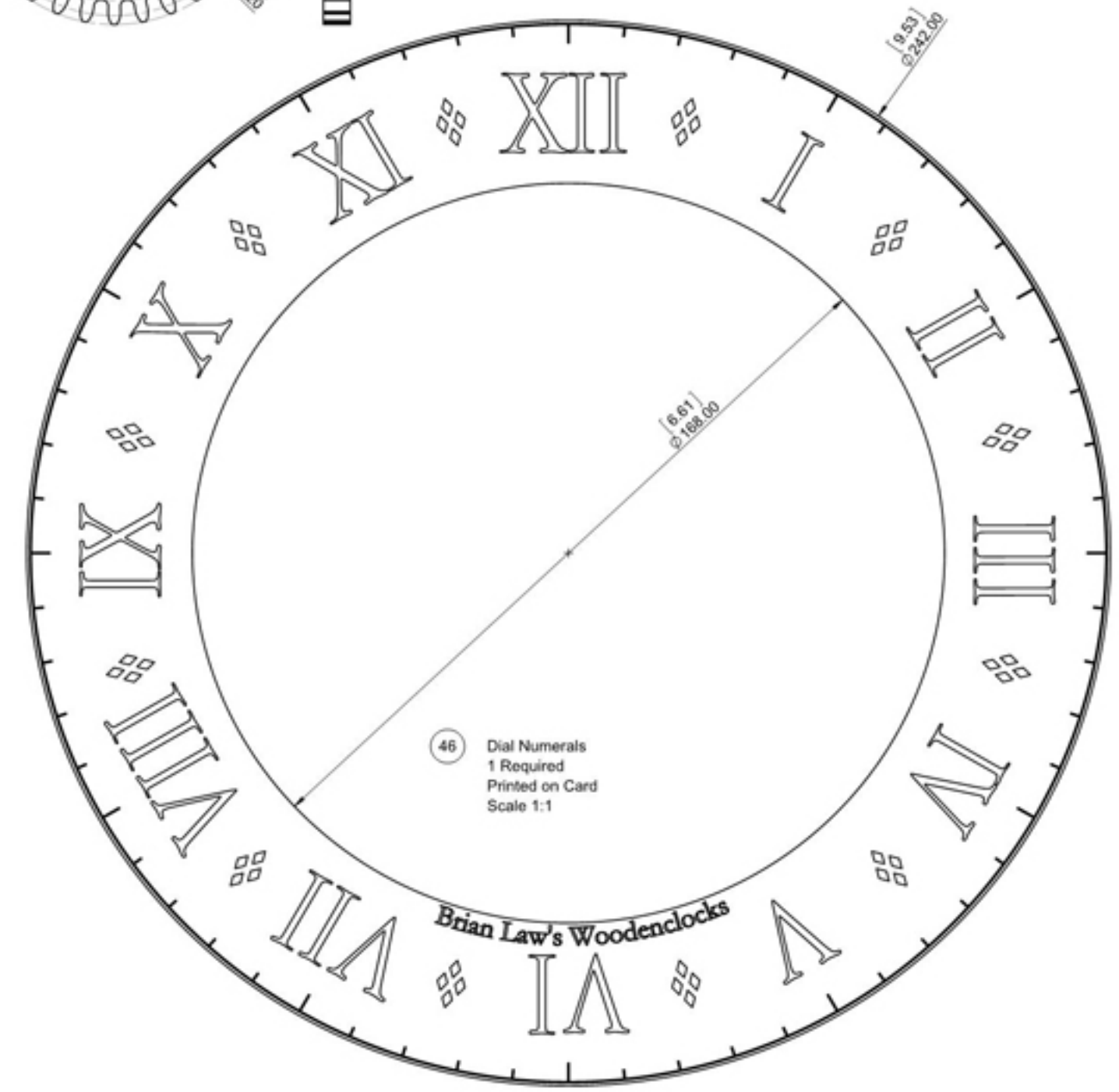
45
Dial Blank
1 Required
Wood
Scale 1:1



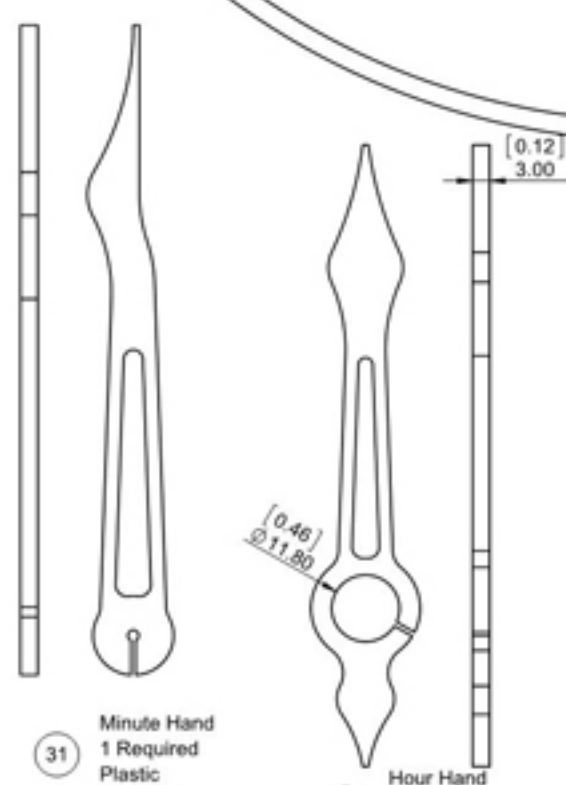
SECTION G-G
SCALE 1 : 1



27
Gear 32 Teeth
1 Required
Wood
Scale 1:1

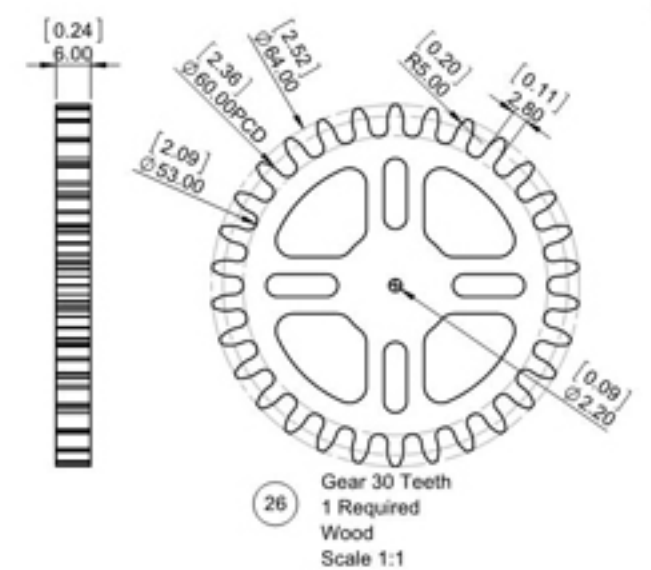


46
Dial Numerals
1 Required
Printed on Card
Scale 1:1



31
Minute Hand
1 Required
Plastic
Scale 1:1

30
Hour Hand
1 Required
Plastic
Scale 1:1



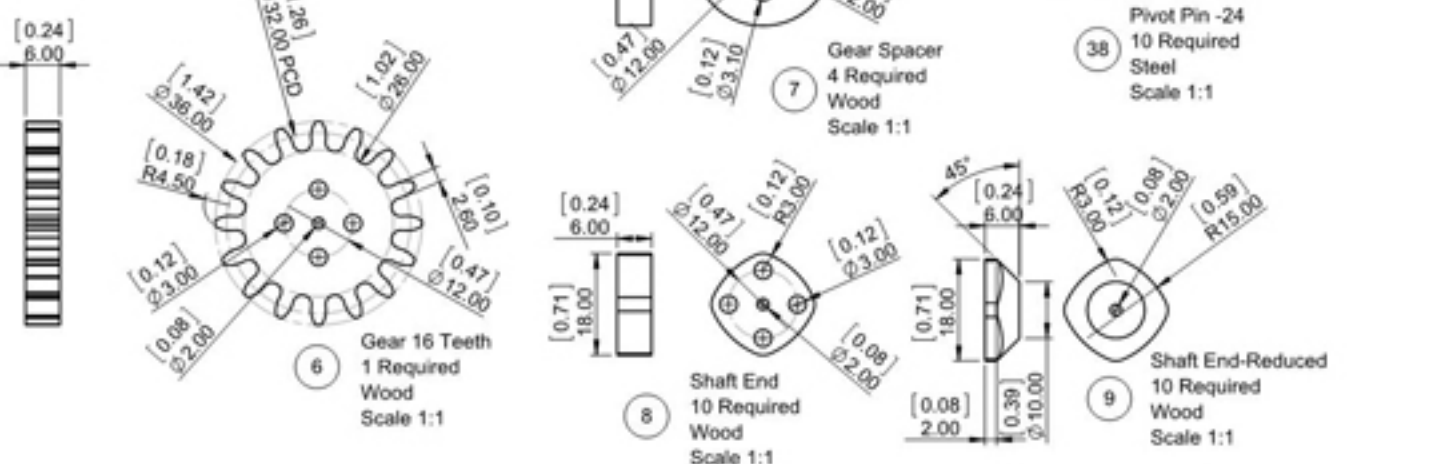
26
Gear 30 Teeth
1 Required
Wood
Scale 1:1

Sht 5 of 9 Shts	A2	Law Wooden Clock 30 - Beginners Clock No 2	Designed by: Brian Law www.woodenclocks.co.uk February 2017
Not to Scale Unless otherwise stated		All dimensions in mm and (inches) 3rd Angle projection	

Escape Wheel Assembly

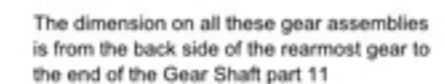
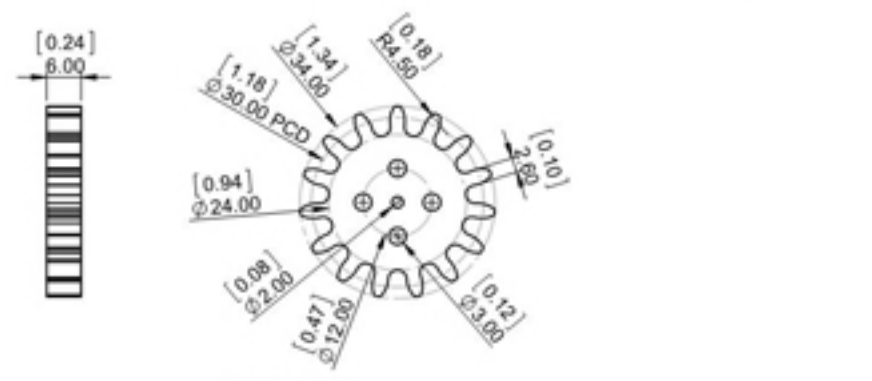
16 teeth

[2.60]
66.00



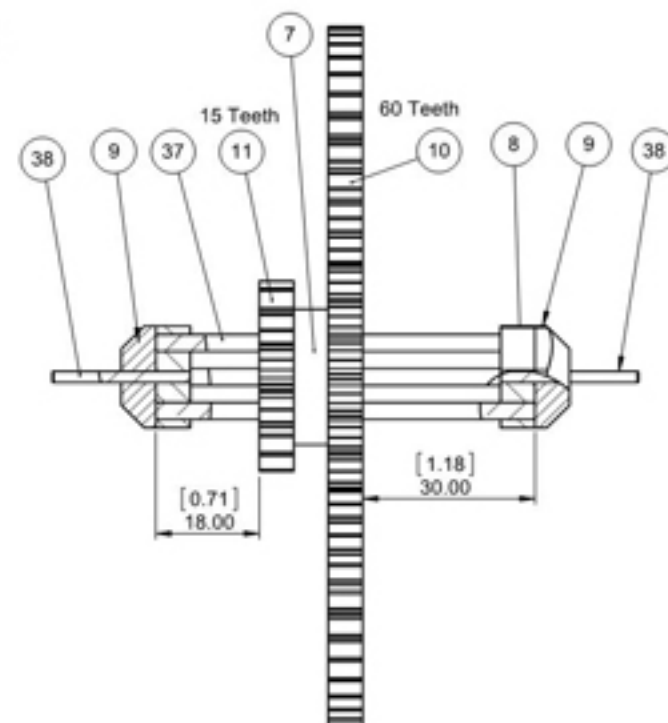
Gear train 3

The diagram shows a large outer gear with 48 teeth. Inside this gear is a small central gear with 12 teeth. The central gear is mounted on a shaft that also carries a large gear with 48 teeth. The large gear is meshed with the small central gear. The large gear is also meshed with the small central gear.

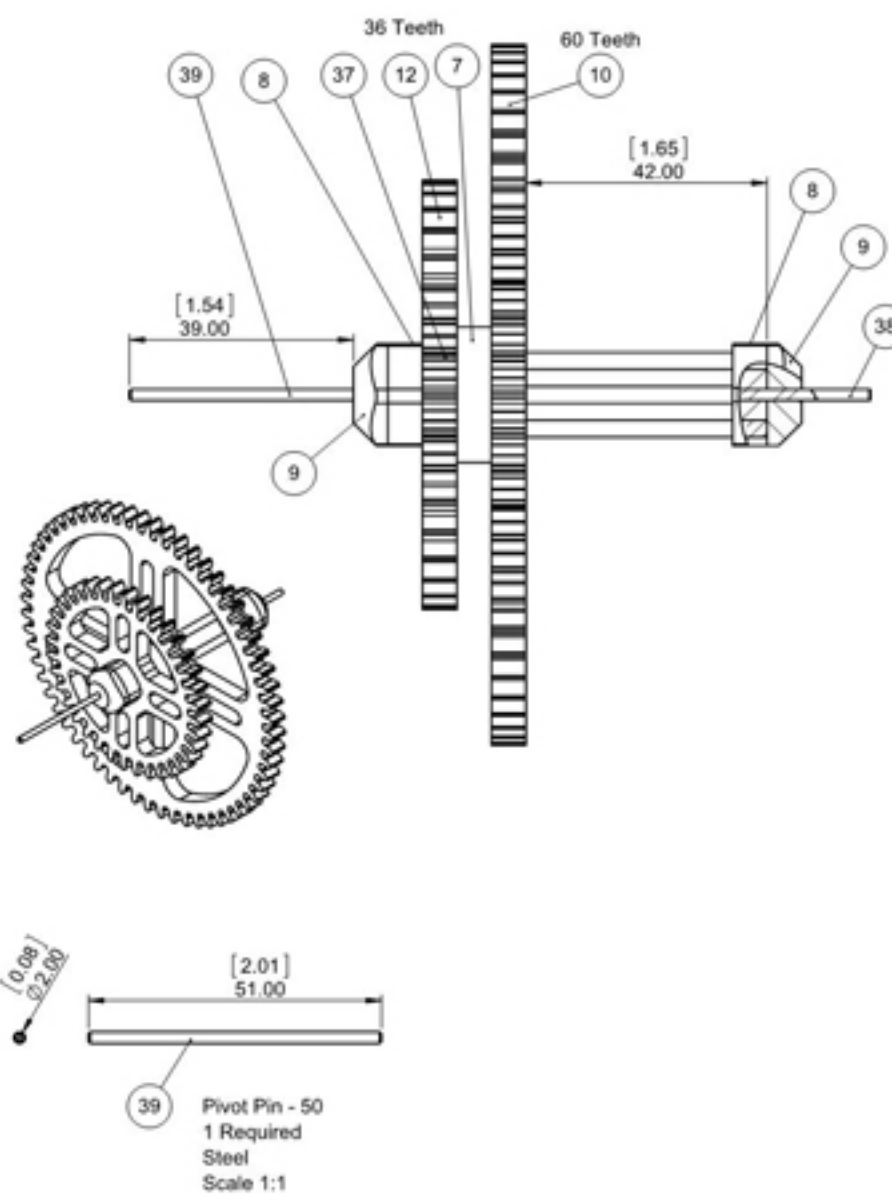
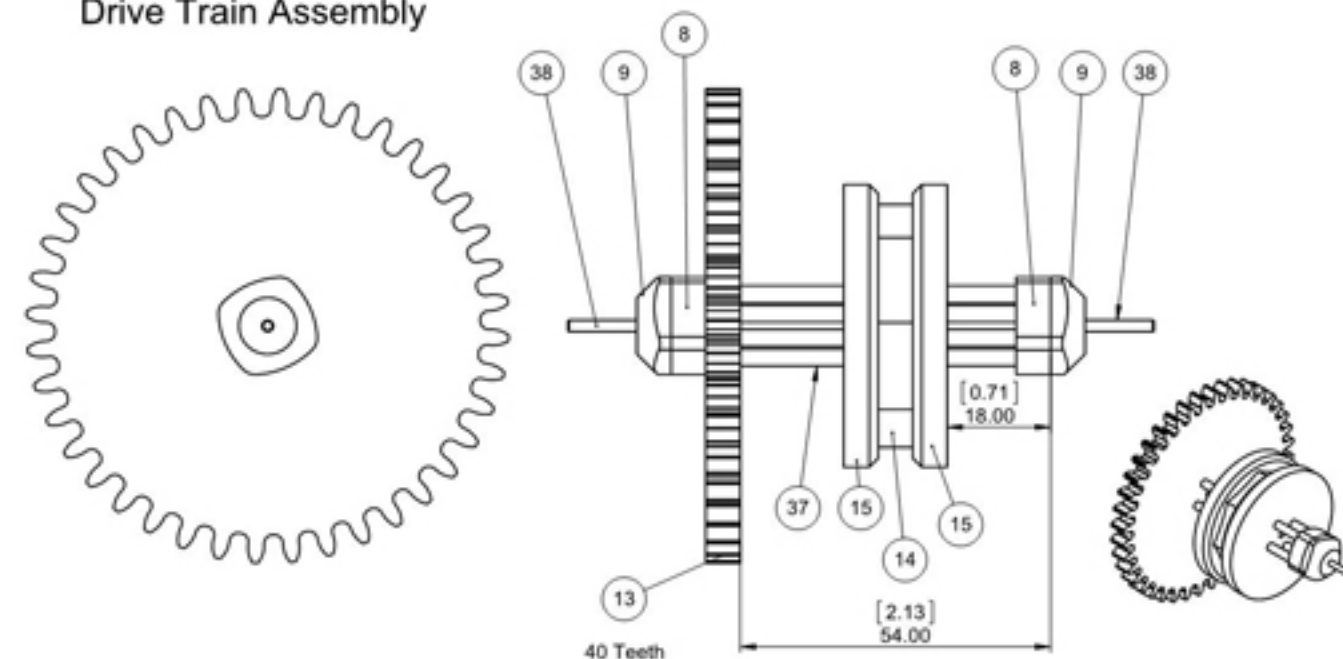


Sht 6 of 9 Shts	A2	Law Wooden Clock 30 - Beginners Clock No 2	
Not to Scale Unless otherwise stated		All dimensions in mm and (inches) 3rd Angle projection	Designed by: Brian law www.woodenclocks.co.uk February 2017

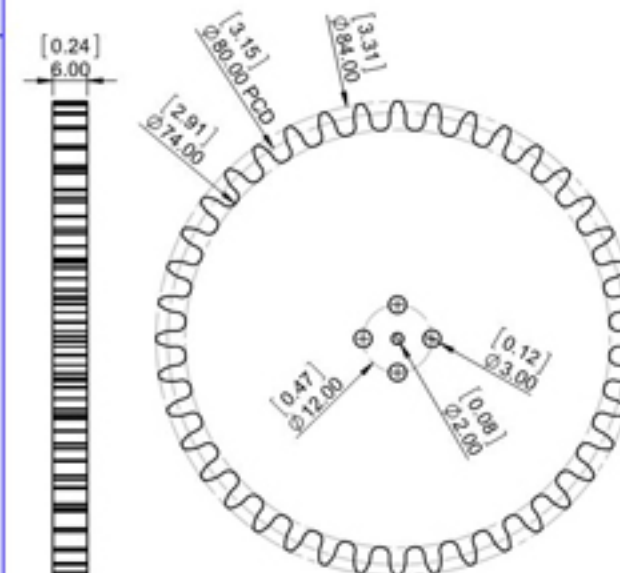
A large gear with a central hub and four spokes, labeled "Gear". The gear has a circular body with a serrated outer edge. The central hub is a small circle with a dot in the center. Four rectangular spokes radiate from the hub to the outer body. The word "Gear" is written in a bold, sans-serif font to the right of the gear.



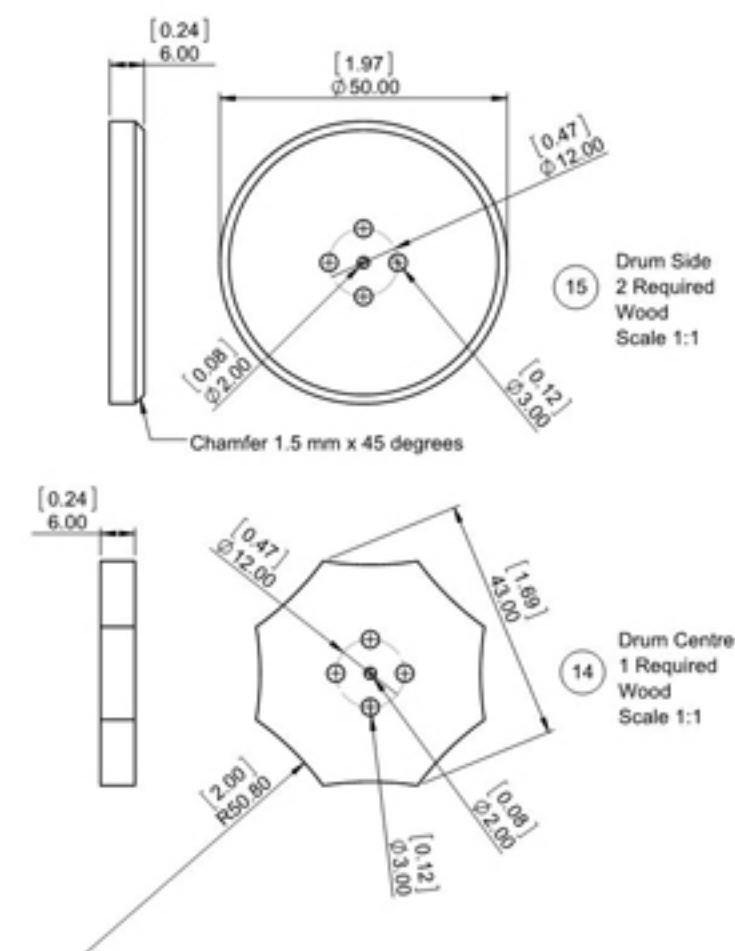
Drive Train Assembly



For all other parts see the detail part drawings on the previous page.



13 Gear 40 Teeth
1 Required
Wood
Scale 1:1



For all other parts see the detail part drawings on the previous page.

Sht 7 of 9 Shts	A2	Law Wooden Clock 30 - Beginners Clock No 2	
Not to Scale Unless otherwise stated		All dimensions in mm and (inches) 3rd Angle projection	Designed by: Brian law www.woodenclocks.co.uk February 2017

Escapement Assembly

16, 41, 42, 43, 49, 50, 51

[0.47] 12.00

[2.28] 58.00

[1.14] 29.00

[2.35] 59.69

[0.32] 8.16

[0.06] 1.59

[0.12] 3.00

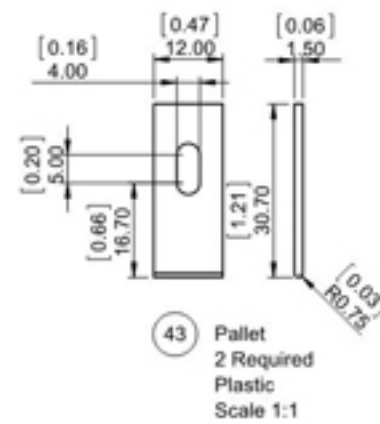
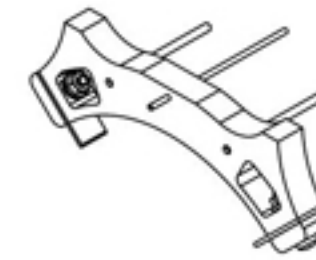
[0.06] 1.59

45°

45°

[0.17] 4.20

Escapement 1 Required Wood Scale 1:1



41 Pendulum - Escapement Pivot
1 Required
Steel
Scale 1:1

42 Pendulum - Escapement Pin
2 Required
Steel
Scale 1:1

Pendulum Assembly Not to scale

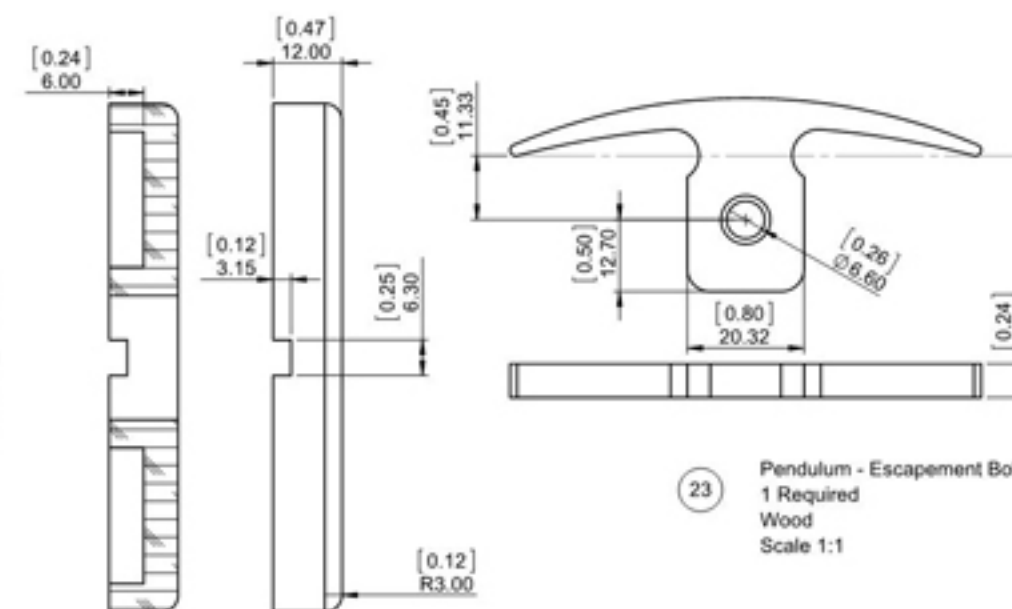
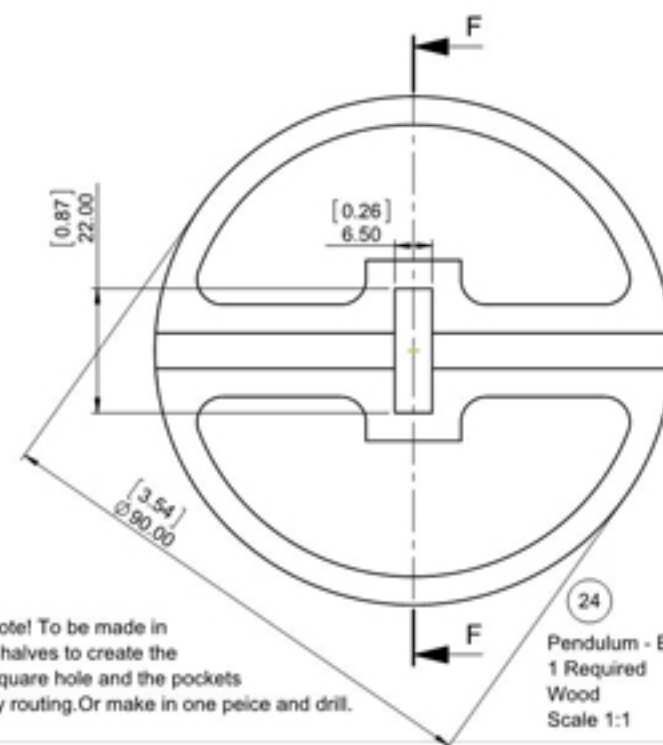
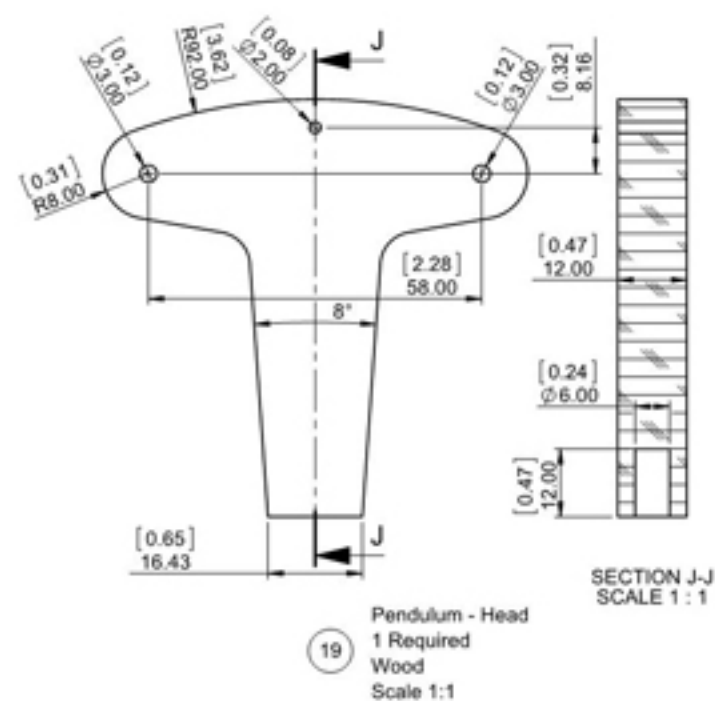
SECTION D-D
SCALE 1 : 2.5

19

22 Carbon Fibre tube - Ø6 x Ø bore x 1000 Long

1000.00

Ø6.00



23 Pendulum - Escapement Bob
1 Required
Wood
Scale 1:1

Note! To be made in 2 halves to create the Square hole and the pockets by routing.Or make in one peice and drill.

Pendulum - Bob
1 Required
Wood
Scale 1:1

SECTION F-F
SCALE 1 : 1

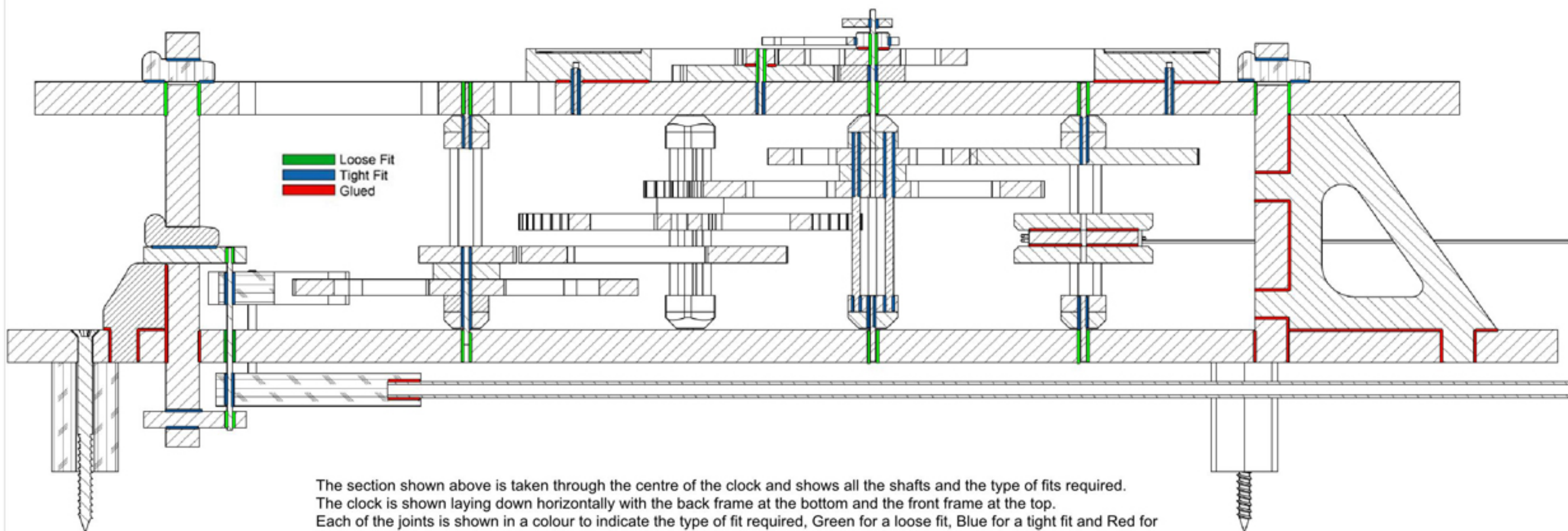
Sht 8 of 9 Shts A2

Not to Scale
Unless otherwise stated

Law Wooden Clock 30 - Beginners Clock No 2

All dimensions in mm and (inches)
3rd Angle projection

Designed by: Brian law
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The section shown above is taken through the centre of the clock and shows all the shafts and the type of fits required. The clock is shown laying down horizontally with the back frame at the bottom and the front frame at the top. Each of the joints is shown in a colour to indicate the type of fit required, Green for a loose fit, Blue for a tight fit and Red for items needed to be glued. It is best to glue all of the parts for the Back Frame together for a start. Next assemble the Gear shafts making sure that the parts are a tight fit on the side plates, if there is any looseness here then it is best to glue the together as well. All the shafts should be a loose fit in the holes in the front and back frames, if not then you will need to open the holes out slightly. The only other places you will need to glue are the Carbon fibre Rod into the pendulum head and the two sides of the drum to the centre section.