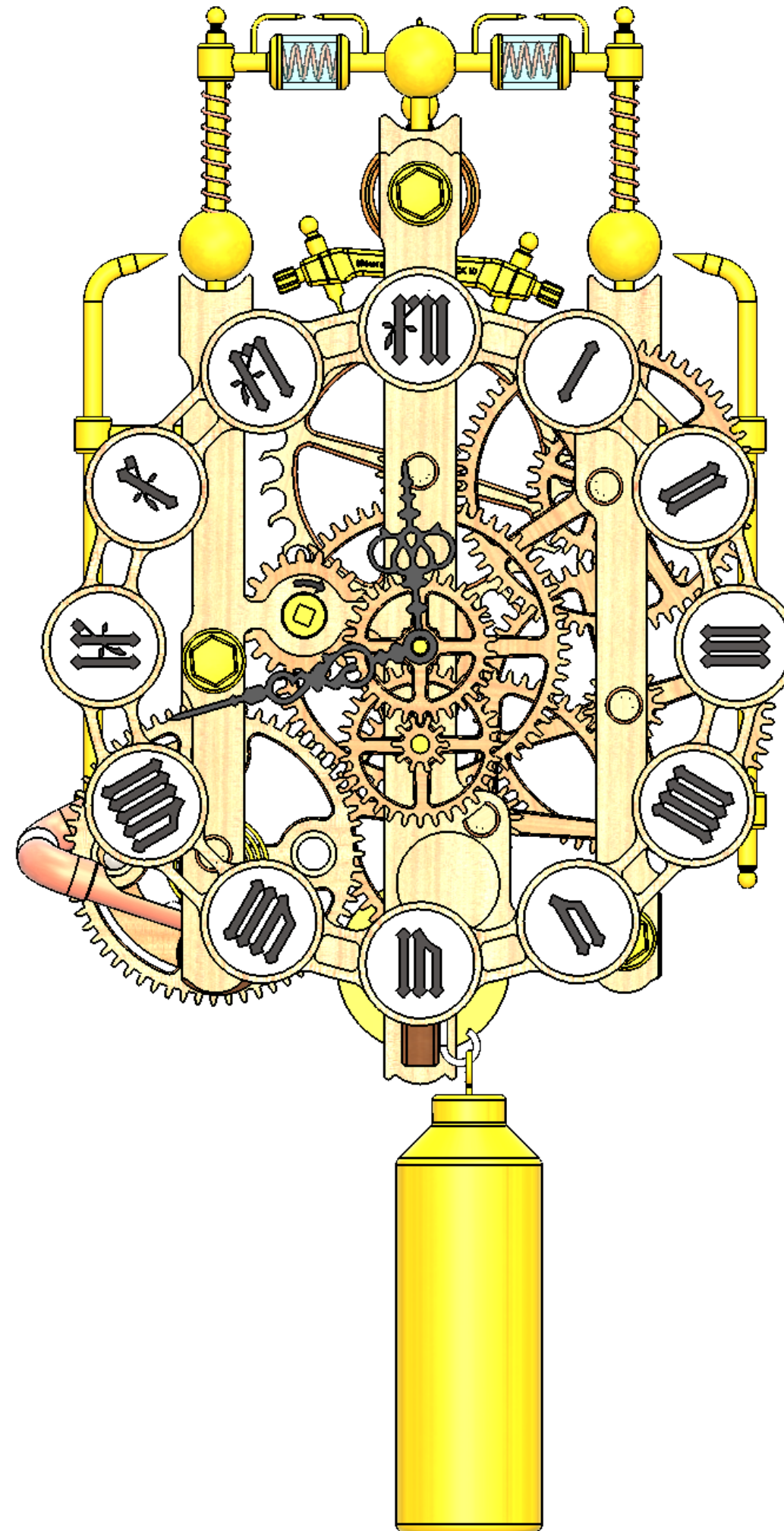


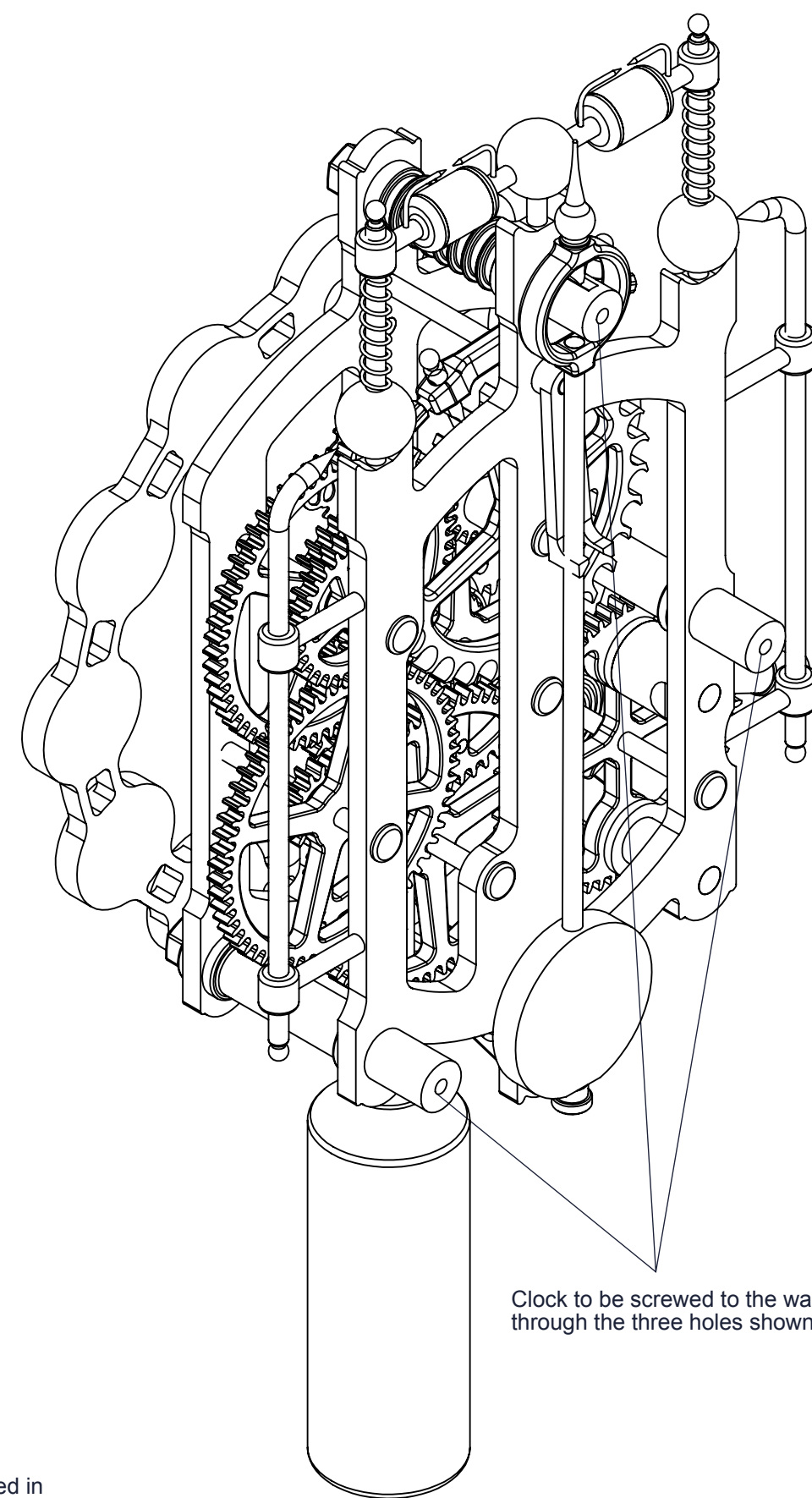
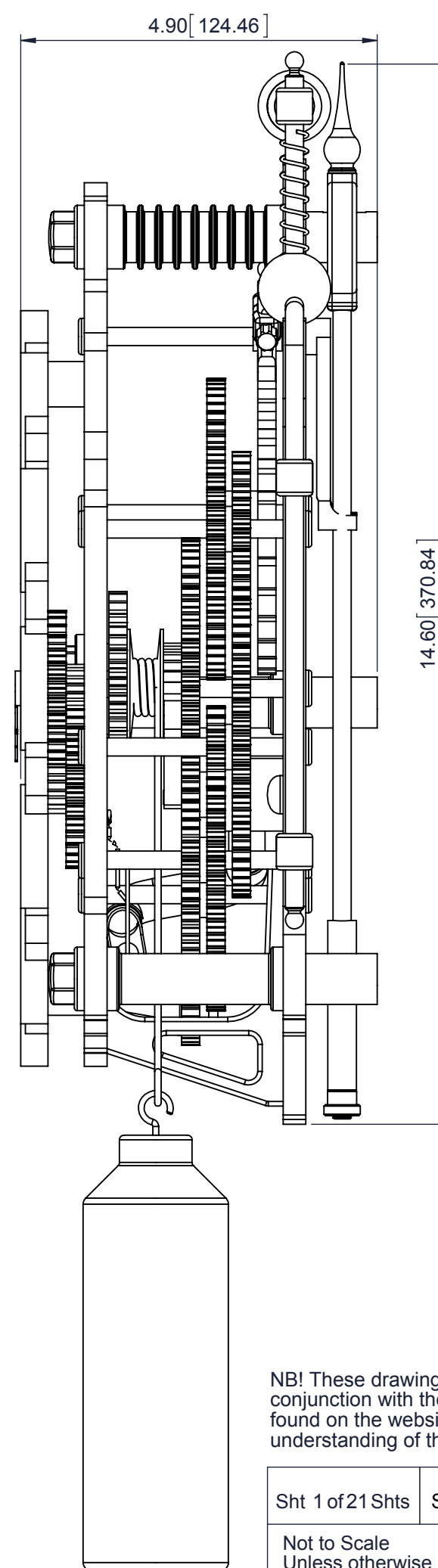
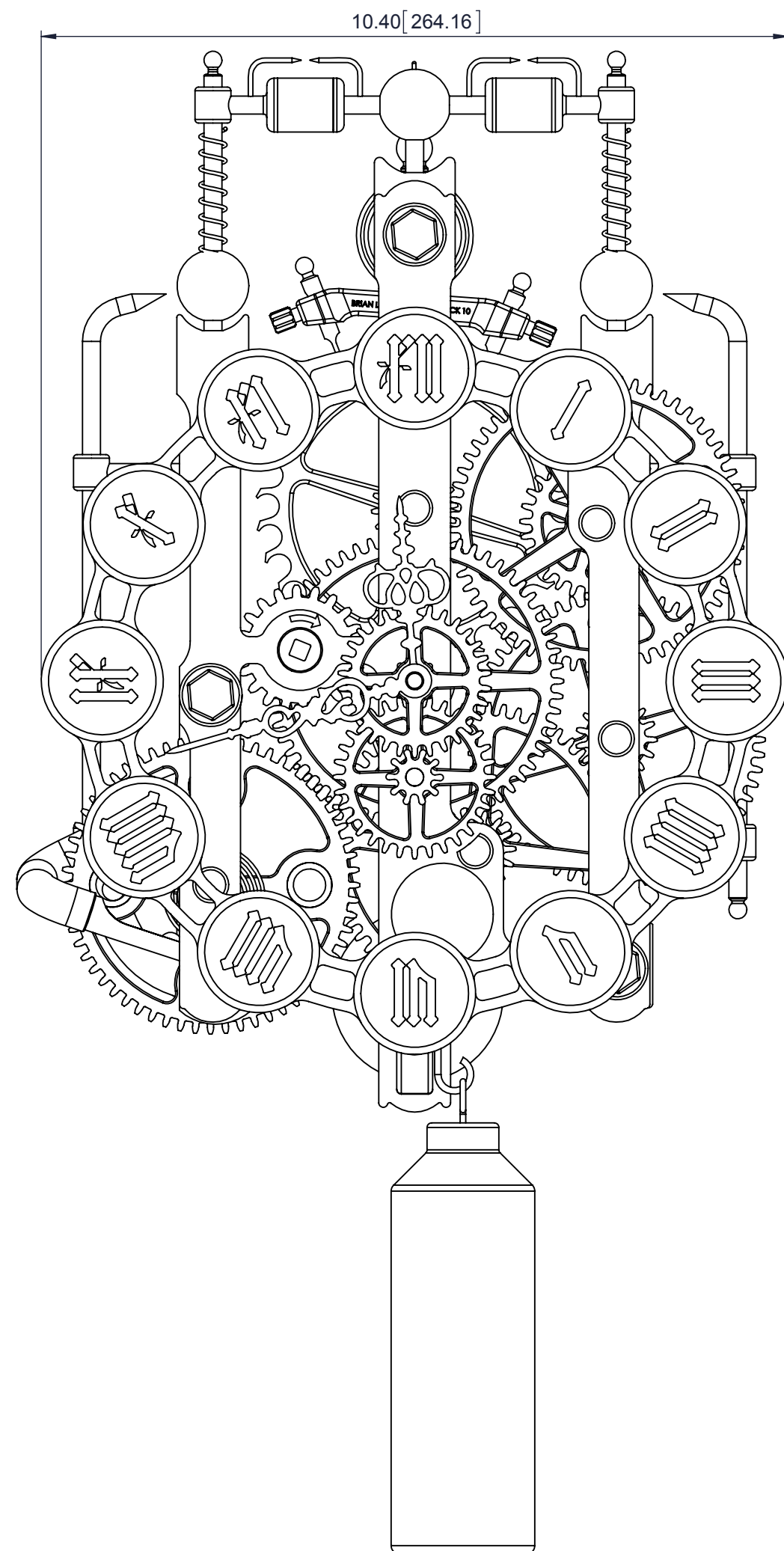
Clock 10 - Steampunk Style

Brian Law

5th December 2011

www.woodenclocks.co.uk

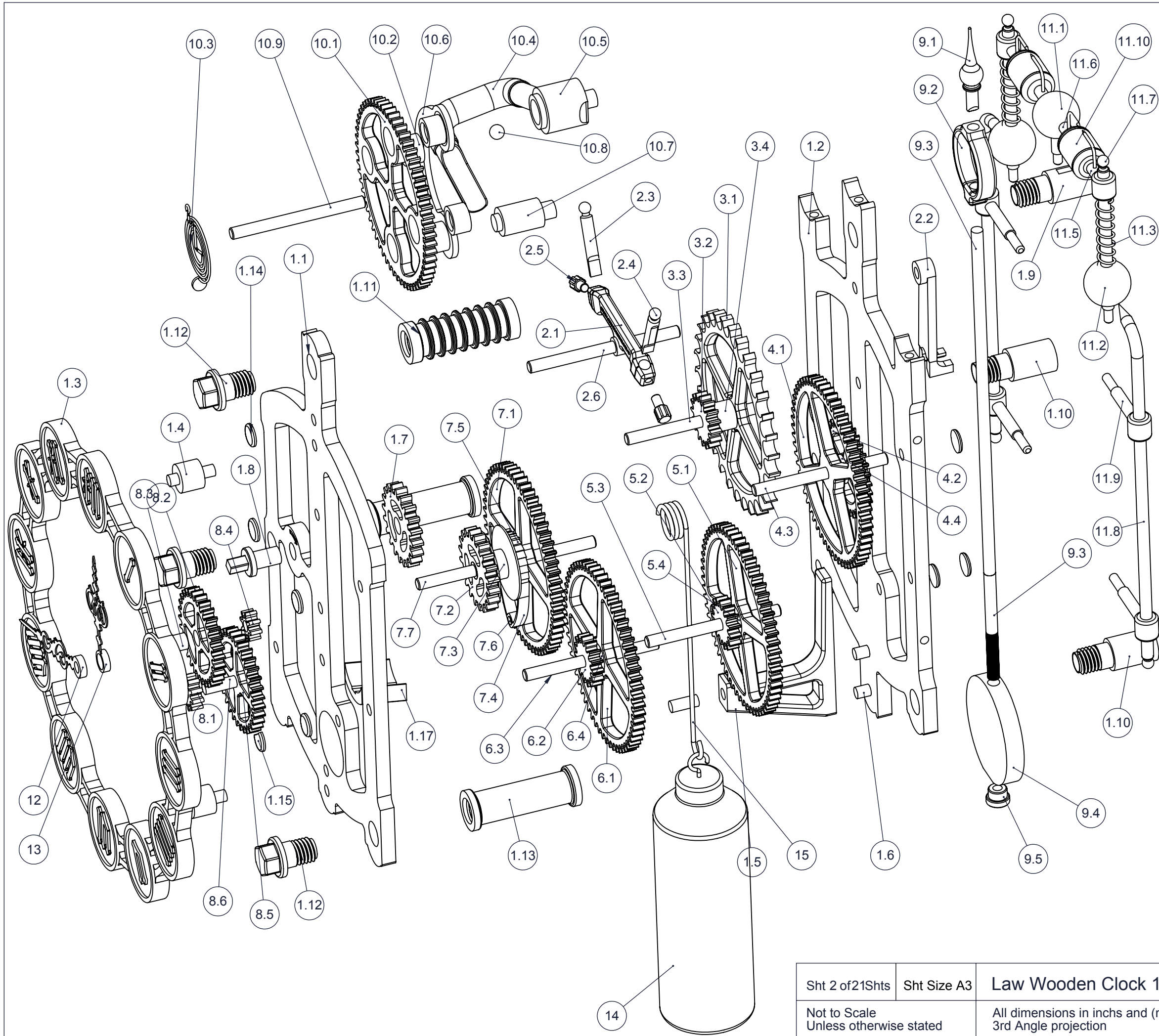




Clock to be screwed to the wall
through the three holes shown.

NB! These drawings should be used in
conjunction with the rendered images
found on the website to give a fuller
understanding of the clocks construction

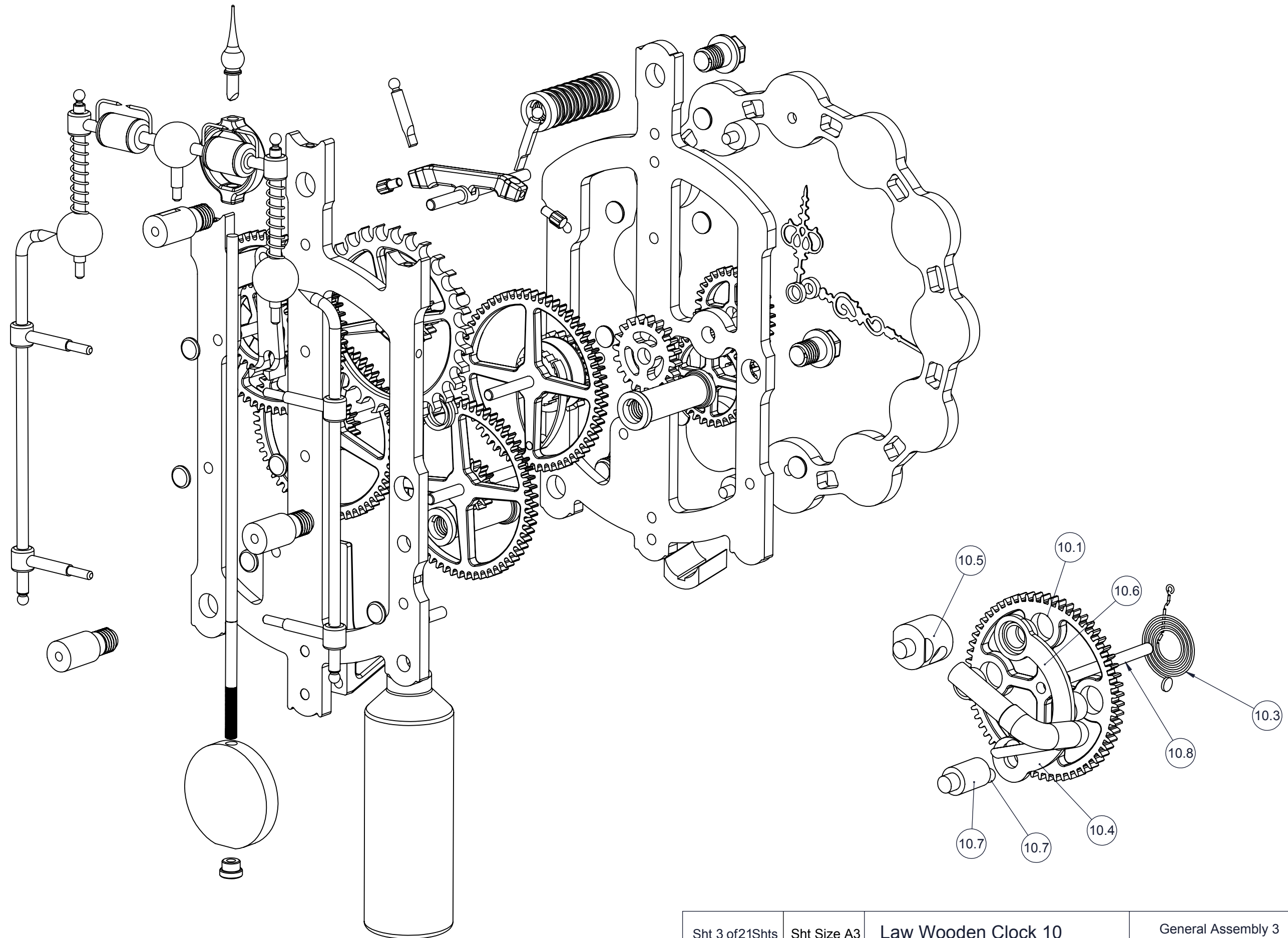
Sht 1 of 21 Shts	Sht Size A3	Law Wooden Clock 10	General Assembly 1
Not to Scale Unless otherwise stated		All dimensions in inches and (mm) 3rd Angle projection	December 2011 Designed by: Brian law www.woodenclocks.co.uk



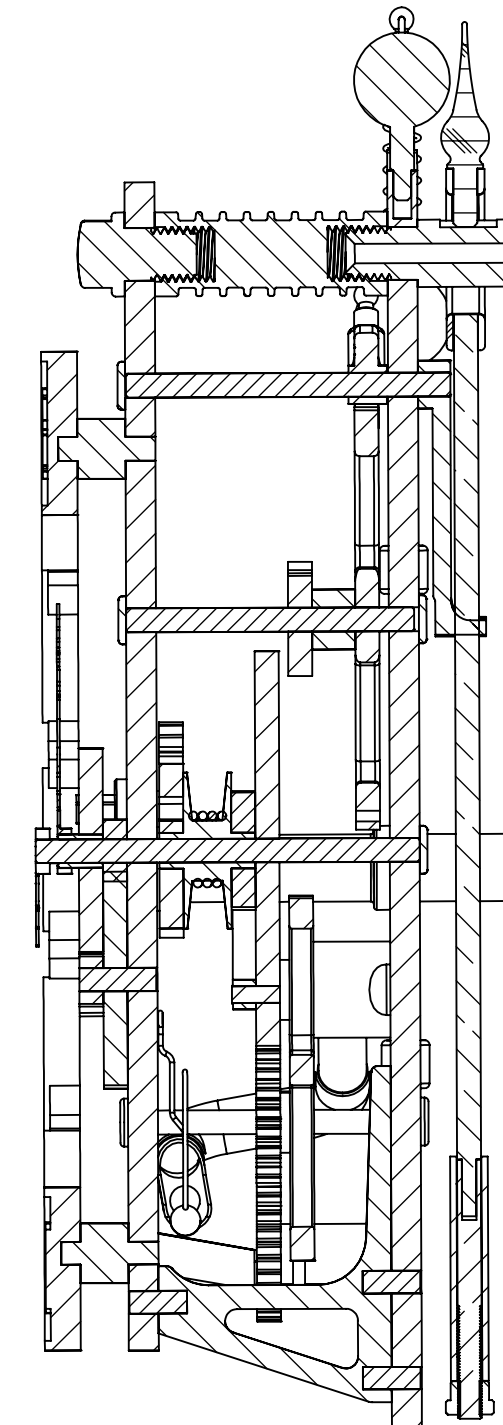
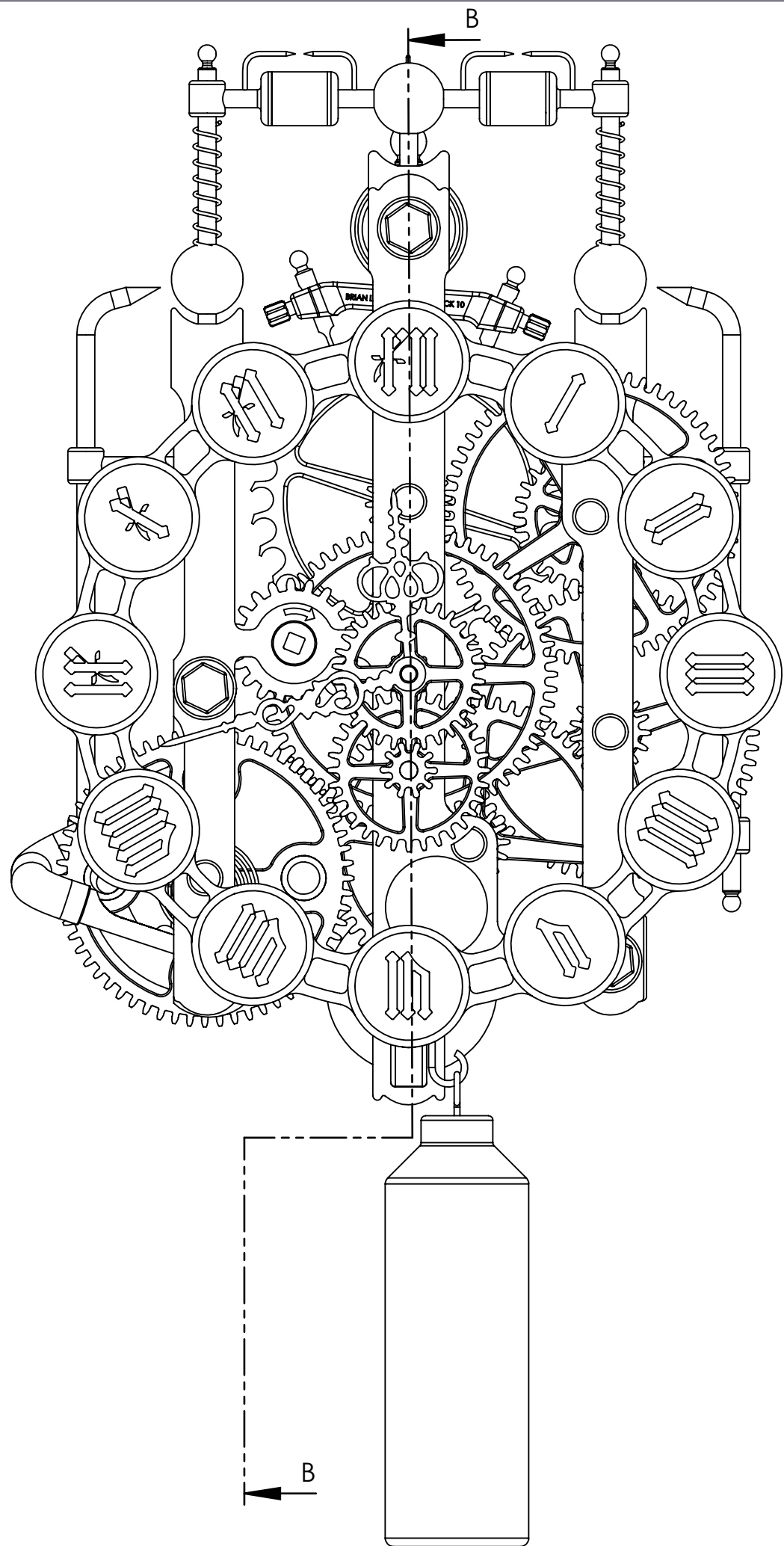
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Clock 10-Frame assembly		1
1.1	Clock 10-Front Board		1
1.2	Clock 10-Base Board		1
1.3	Clock 10-Dial		1
1.4	Clock 10-Dial-support		2
1.5	Clock 10-Bottom Bracket		1
1.6	Clock 10-Bottom Bracket-pin		3
1.7	Clock 10-Gears-22 LargeTeeth		1
1.8	Clock 10-Winder Pivot		1
1.9	Clock 10-Top Pendulum support		1
1.10	Clock 10-Back support		2
1.11	Clock 10-Top Spacer		1
1.12	Clock 10-Top Domed Screw		3
1.13	Clock 10-Brass Spacer		2
1.14	Clock 10-Small shaft cap		12
1.15	Clock 10-Small shaft cap-Flatted		1
1.16	WINDER	Not shown	1
1.17	Clock 10-Chute		1
2	Clock 10-Escapement assembly		1
2.1	Clock 10-Escapement		1
2.2	Clock 10-Yoke		1
2.3	Clock 10-Pallet-LH		1
2.4	Clock 10-Pallet-RH		1
2.5	Clock 10-Escapement screw		2
2.6	Clock 10-Shaft-85		1
3	Clock 10-Escape Wheel assembly		1
3.1	Clock 10-Escapement wheel		1
3.2	Clock 10-Gears-16 Teeth		1
3.3	Clock 10-Shaft-76		1
3.4	Clock 10-Gear Spacer-2		1
4	Clock 10-4th Wheel assembly		1
4.1	Clock 10-Gears-60 Teeth		1
4.2	Clock 10-Gears-30 Teeth		1
4.3	Clock 10-Shaft-76		1
4.4	Clock 10-Gear Spacer-2		1
5	Clock 10-3rd Wheel assembly		1
5.1	Clock 10-Gears-60 Teeth		1
5.2	Clock 10-Gears-15 Teeth		1
5.3	Clock 10-Shaft-76		1
5.4	Clock 10-Gear Spacer-2		1
6	Clock 10-2nd Wheel assembly		1
6.1	Clock 10-Gears-60 Teeth		1
6.2	Clock 10-Gears-15 Teeth		1
6.3	Clock 10-Shaft-76		1
6.4	Clock 10-Gear Spacer-2		1
7	Clock 10-Main Wheel assembly		1
7.1	Clock 10-Gears-60 Teeth		1
7.2	Clock 10-Gears-22 LargeTeeth		1
7.3	Clock 10-Drum		1
7.4	Clock 10-Pawl		1
7.5	Clock 10-Ratchet		1
7.6	Clock 10-Ratchet Pivot		1
7.7	Clock 10-Shaft-100		1
8	Clock 10-Hour Gears		1
8.1	Clock 10-Gears-10 Teeth		1
8.2	Clock 10-Gears-30 Teeth		1
8.3	Clock 10-Hour Tube		1
8.4	Clock 10-Gears-8 Teeth		1
8.5	Clock 10-Gears-32 Teeth		1
8.6	Clock 10-Hour Pivot		1
9	Clock 10-Pendulum		1
9.1	Clock 10-Pendulum Pivot		1
9.2	Clock 10-Pendulum Head		1
9.3	Clock 10-Pendulum Rod		1
9.4	Clock 10-Pendulum Bob		1
9.5	Clock 10-Pendulum Nut		1
10	Clock 10-Chime assembly		1
10.1	Clock 10-Chime Gear		1
10.2	Clock 10-Chime Gear-insert		4
10.3	Clock 10-Coil Gang-4		1
10.4	Clock 10-Copper-Chute-1		1
10.5	Clock 10-Top Chute		1
10.6	Clock 10-Blanking plate		1
10.7	Clock 10-Blanking plate-support		1
10.8	Clock 10-312Ball		3
10.9	Clock 10-Shaft-76		1
11	Clock 10-Spark Regulator		1
11.1	Clock 10-Ball End Top		2
11.2	Clock 10-Ball End		2
11.3	Clock 10-Spring-2	Ø0.3 Bore x Ø.05 x 2"	2
11.4	Clock 10-Spring-1	Ø0.4 Bore x Ø.05 x 1"	2
11.5	Clock 10-Top Spark Regulator-3		2
11.6	Clock 10-Top Spark Regulator-2		2
11.7	Clock 10-Regulator Rod		2
11.8	Clock 10-Spark Rod		2
11.9	Clock 10-Spark Rod Holder		4
11.10	Clock 10-Spark Regulator Chamber		2
12	Clock 10-Minute Hand		1
13	Clock 10-Hour Hand		1
14	Clock 10-Weight	Weight to suit	1
15	Clock 10-Cord	Braided cord	1

The builder of the clock can choose his own materials, but the shafts should be Brass or steel, and the rendered images of the clock on the web site give an indication of what other materials are possible. My own preference is for an all wood construction apart from the Steampunk decoration which is brass.

Sht 2 of 21Shts	Sht Size A3	Law Wooden Clock 10	General Assembly 2
Not to Scale Unless otherwise stated	All dimensions in inchs and (mm) 3rd Angle projection	December 2011	Designed by: Brian law www.woodenclocks.co.uk

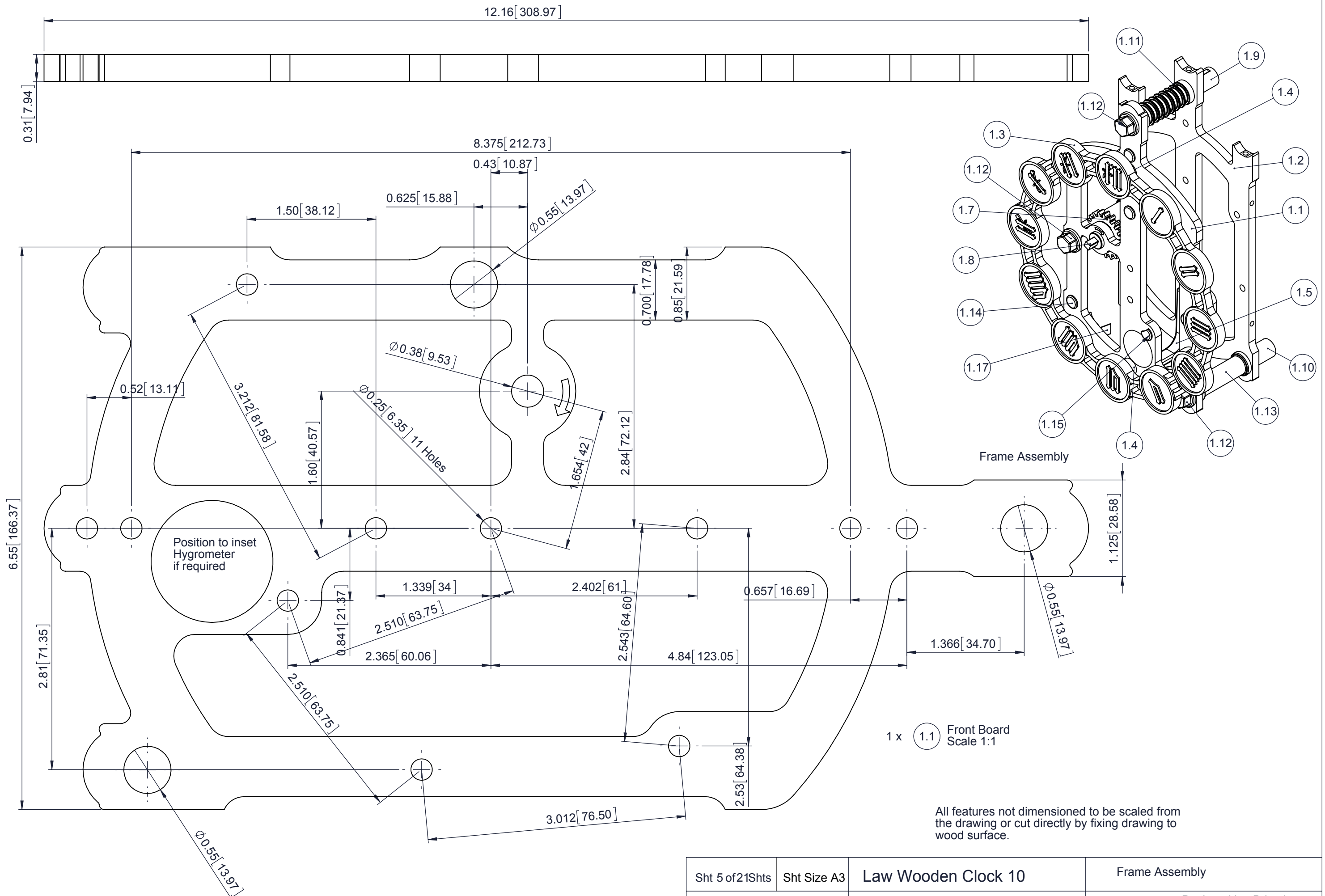


Sht 3 of 21 Shts	Sht Size A3	Law Wooden Clock 10	General Assembly 3
Not to Scale Unless otherwise stated		All dimensions in inches and (mm) 3rd Angle projection	December 2011 Designed by: Brian law www.woodenclocks.co.uk

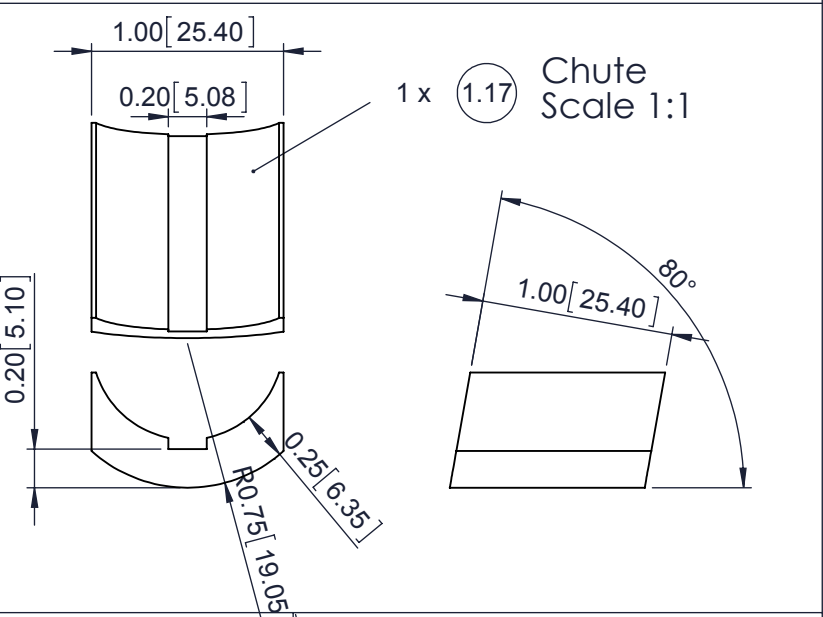
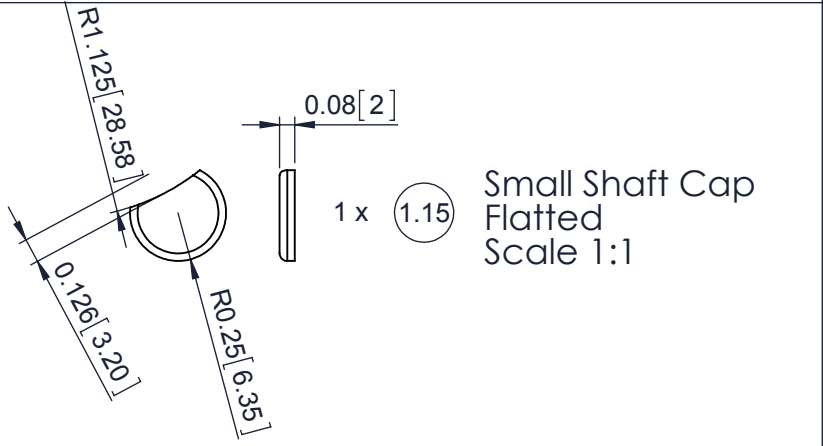
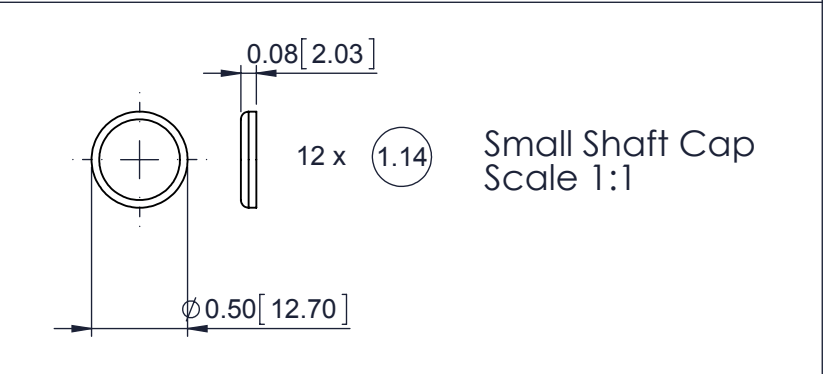
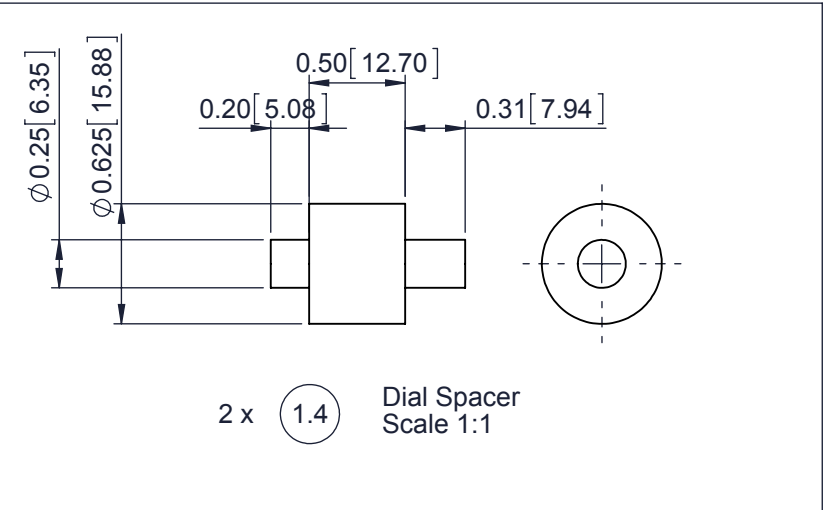
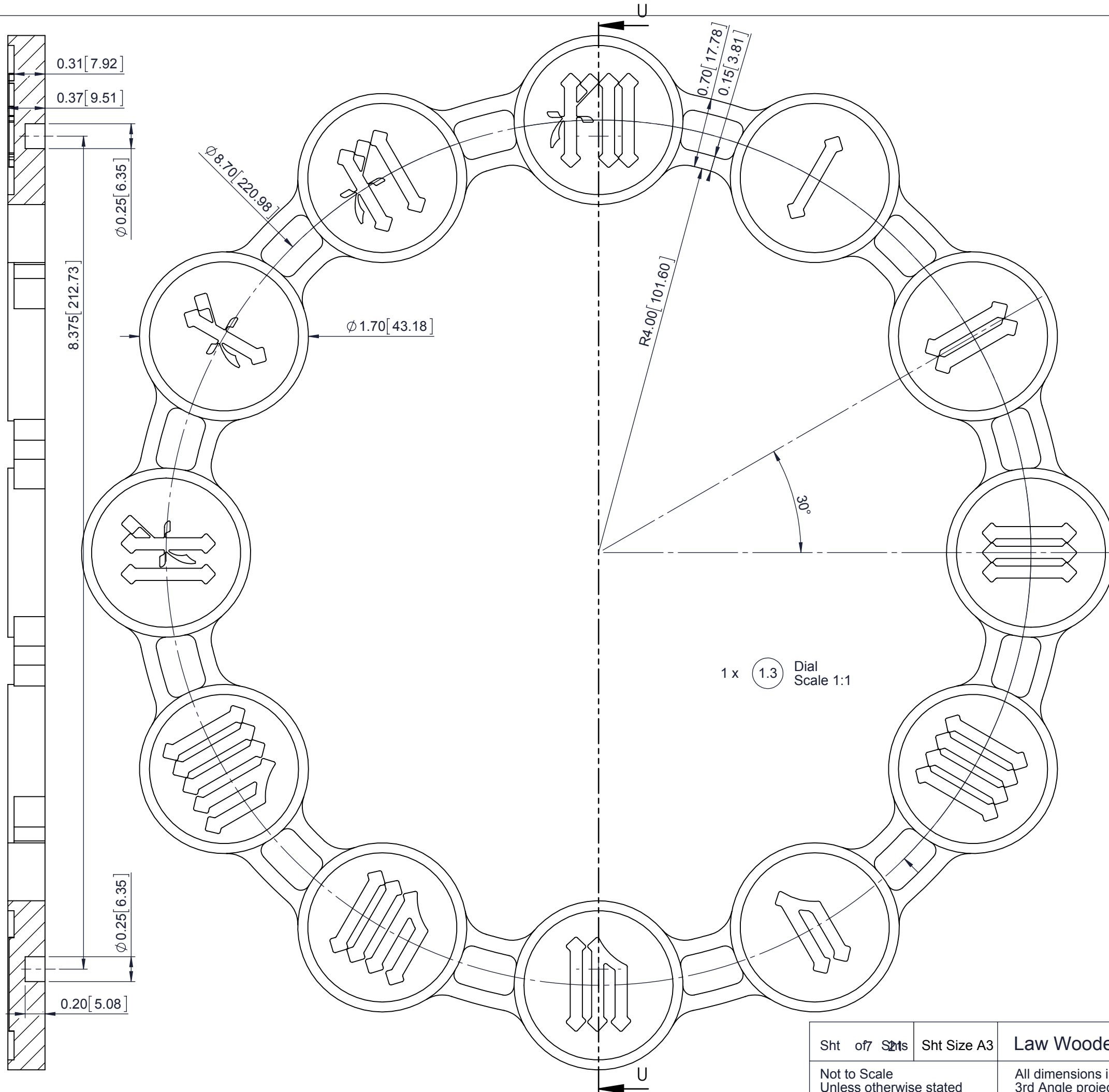


SECTION B-B
SCALE 1 : 2

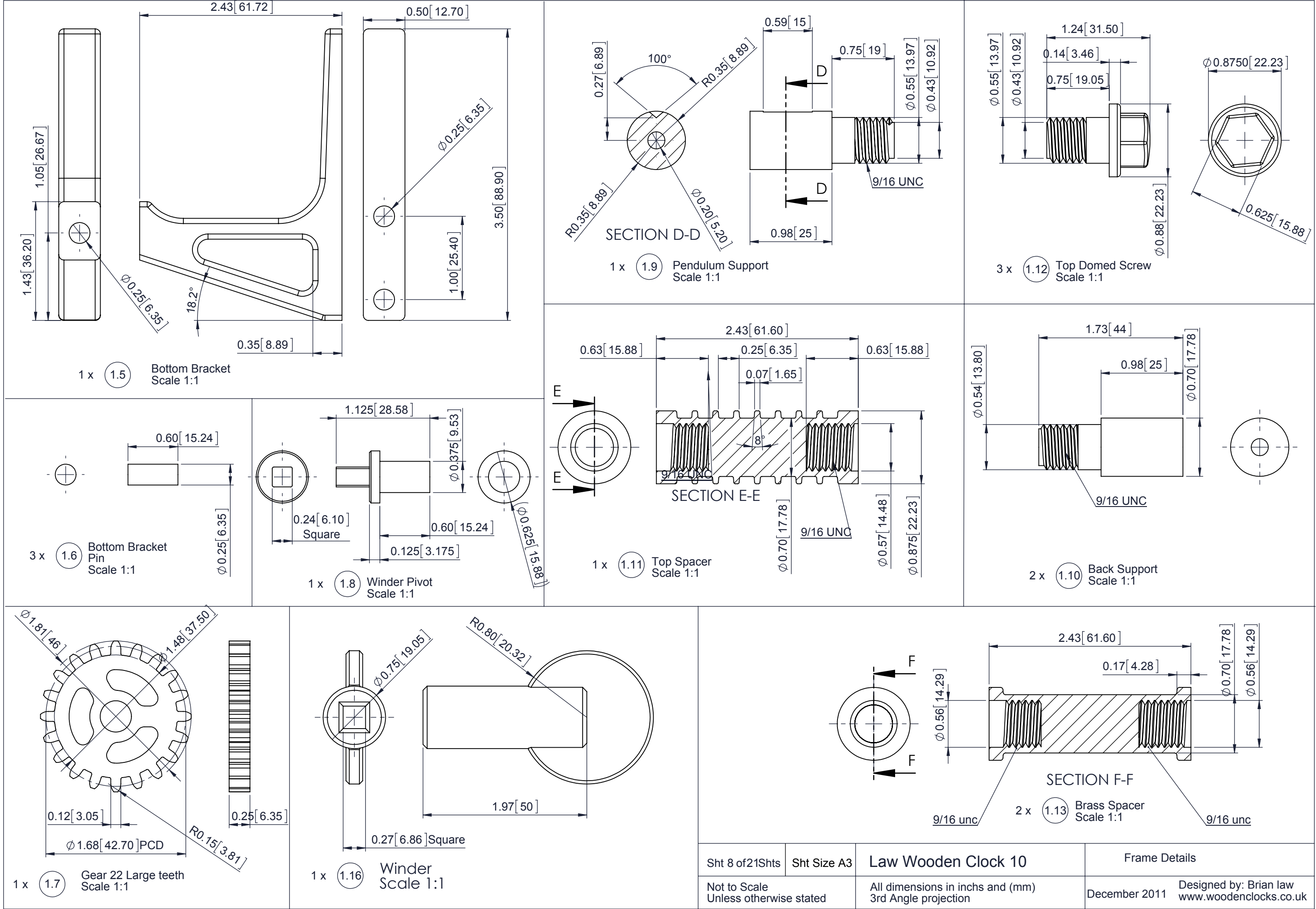
Sht 4 of 21 Shts	Sht Size A3	Law Wooden Clock 10	General Assembly 4
Not to Scale Unless otherwise stated		All dimensions in inches and (mm) 3rd Angle projection	December 2011 Designed by: Brian law www.woodenclocks.co.uk

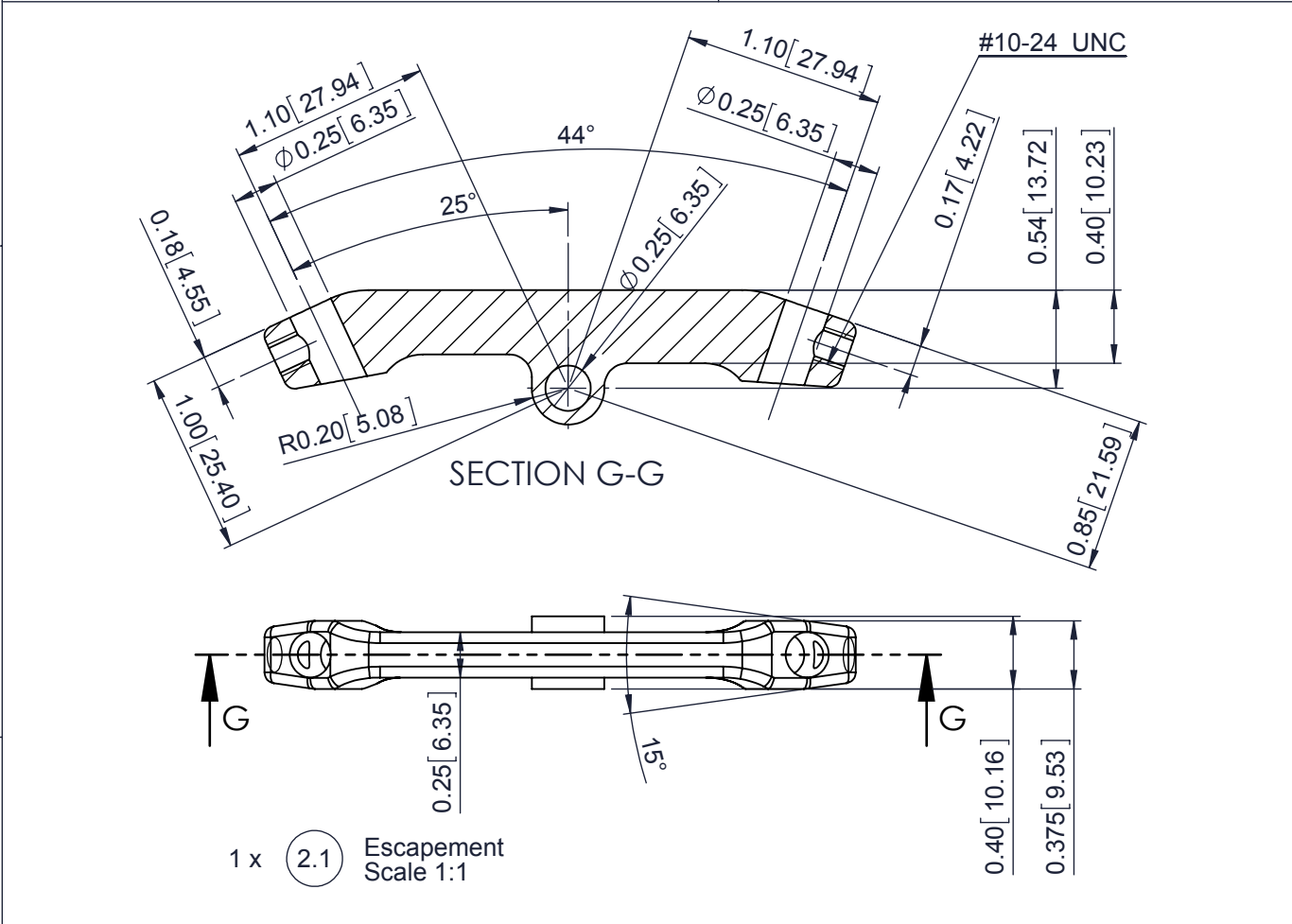
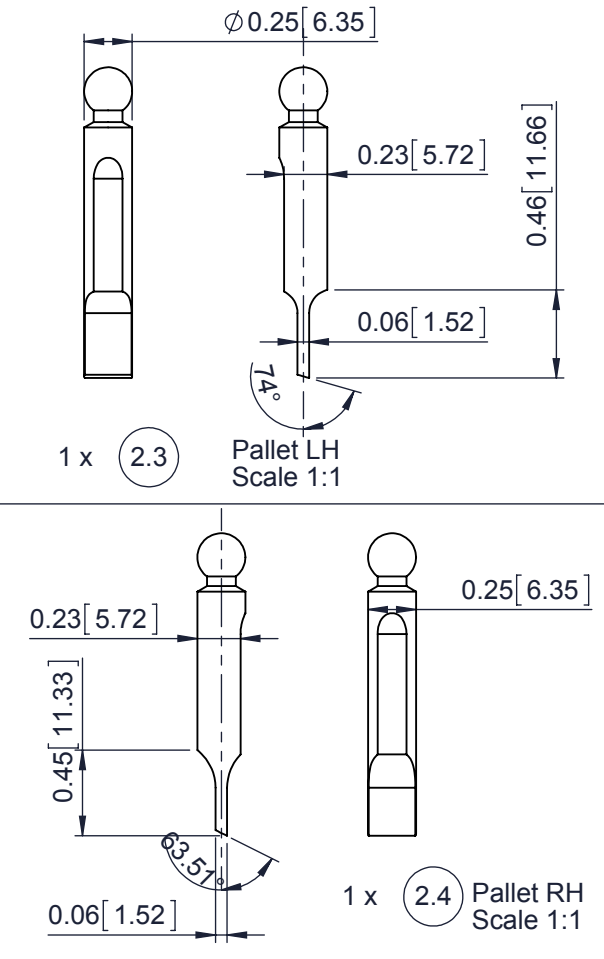
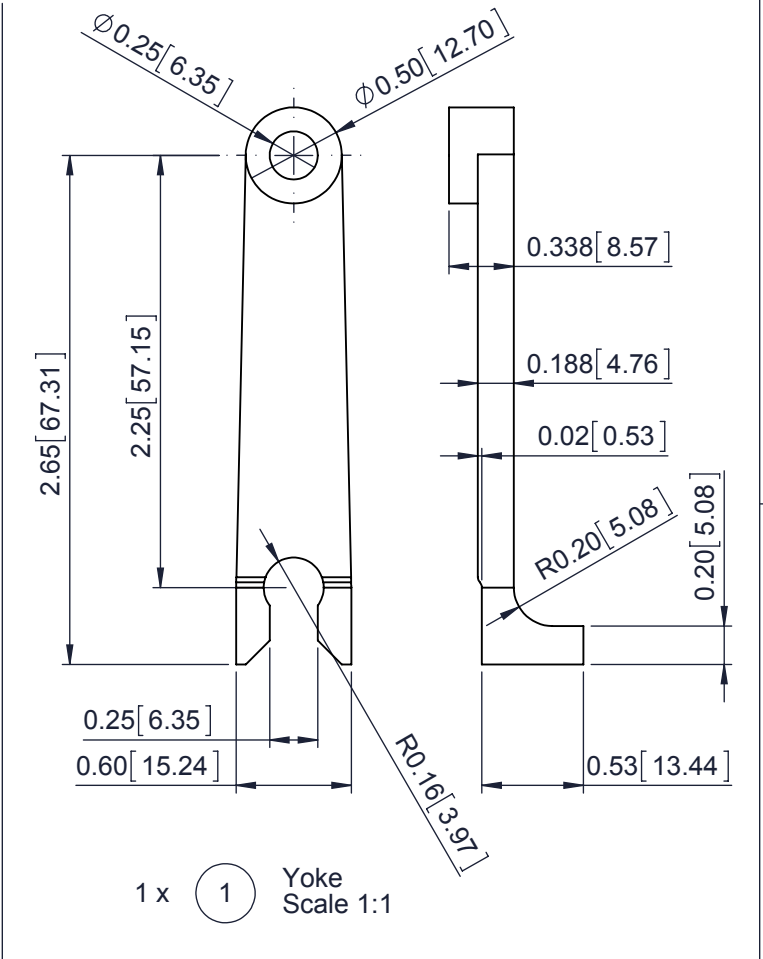
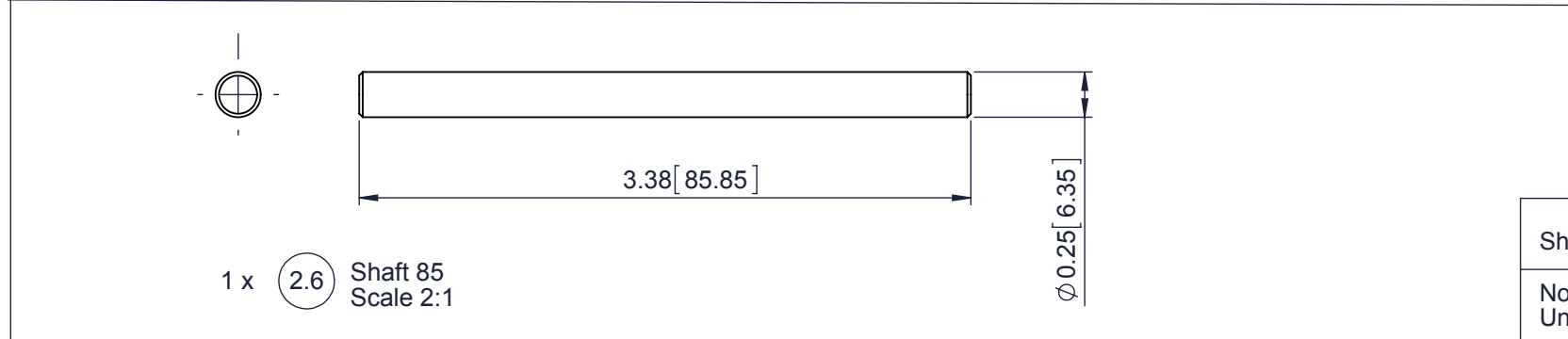
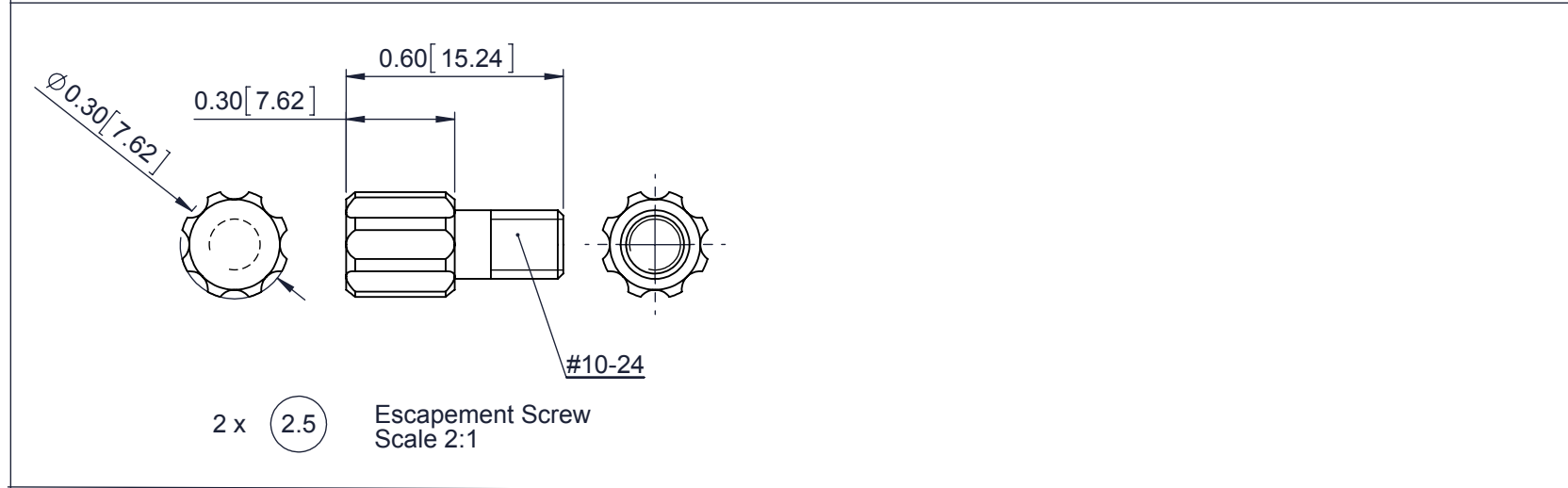
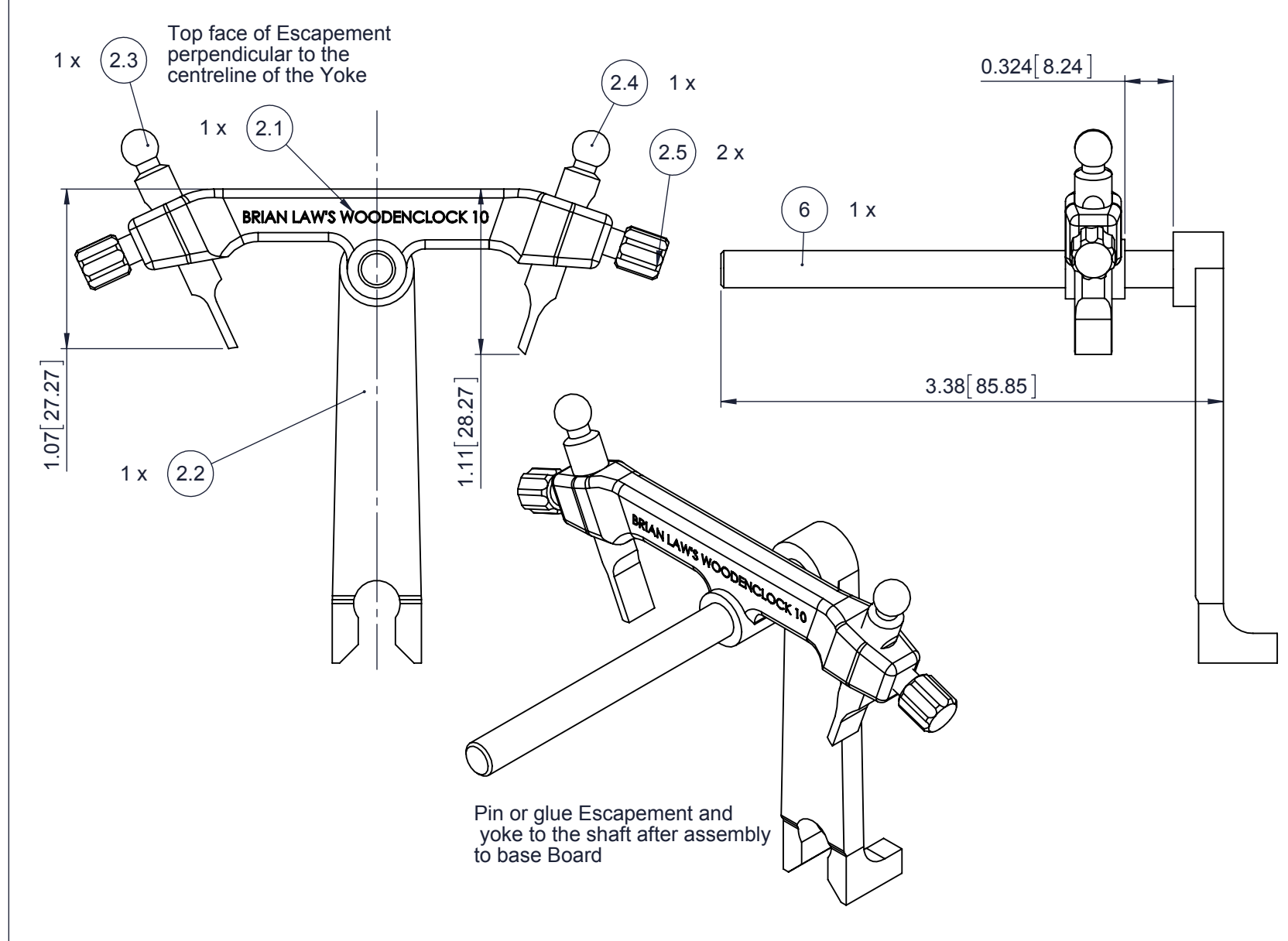


Sht 5 of 21 Shts	Sht Size A3	Law Wooden Clock 10	Frame Assembly
Not to Scale Unless otherwise stated		All dimensions in inches and (mm) 3rd Angle projection	December 2011 Designed by: Brian law www.woodenclocks.co.uk

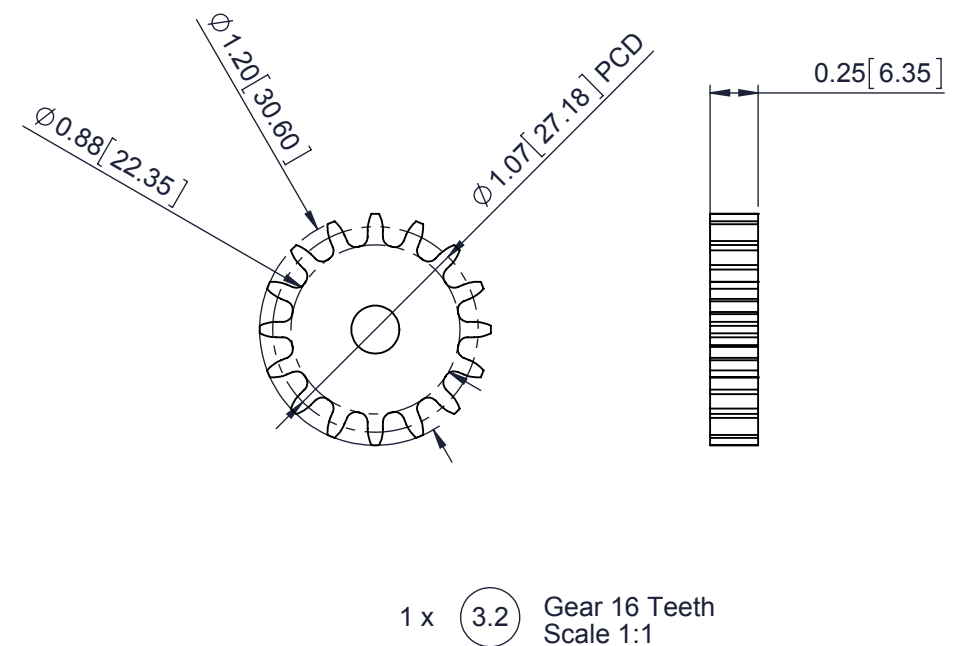
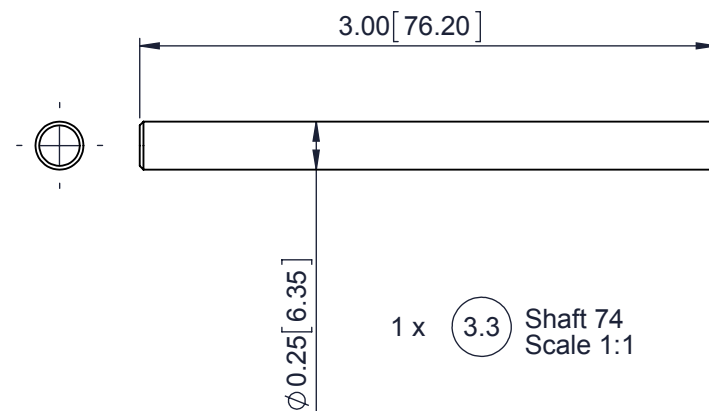
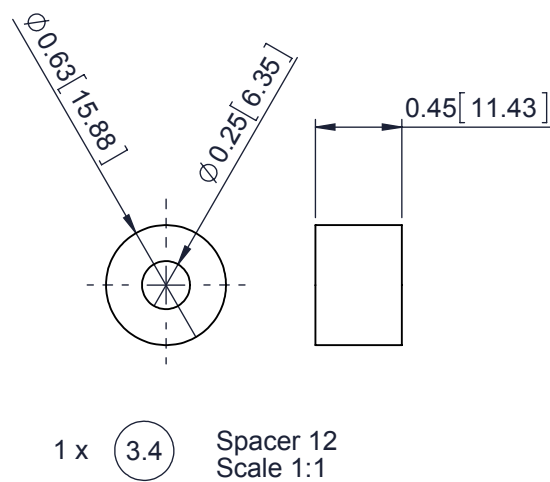
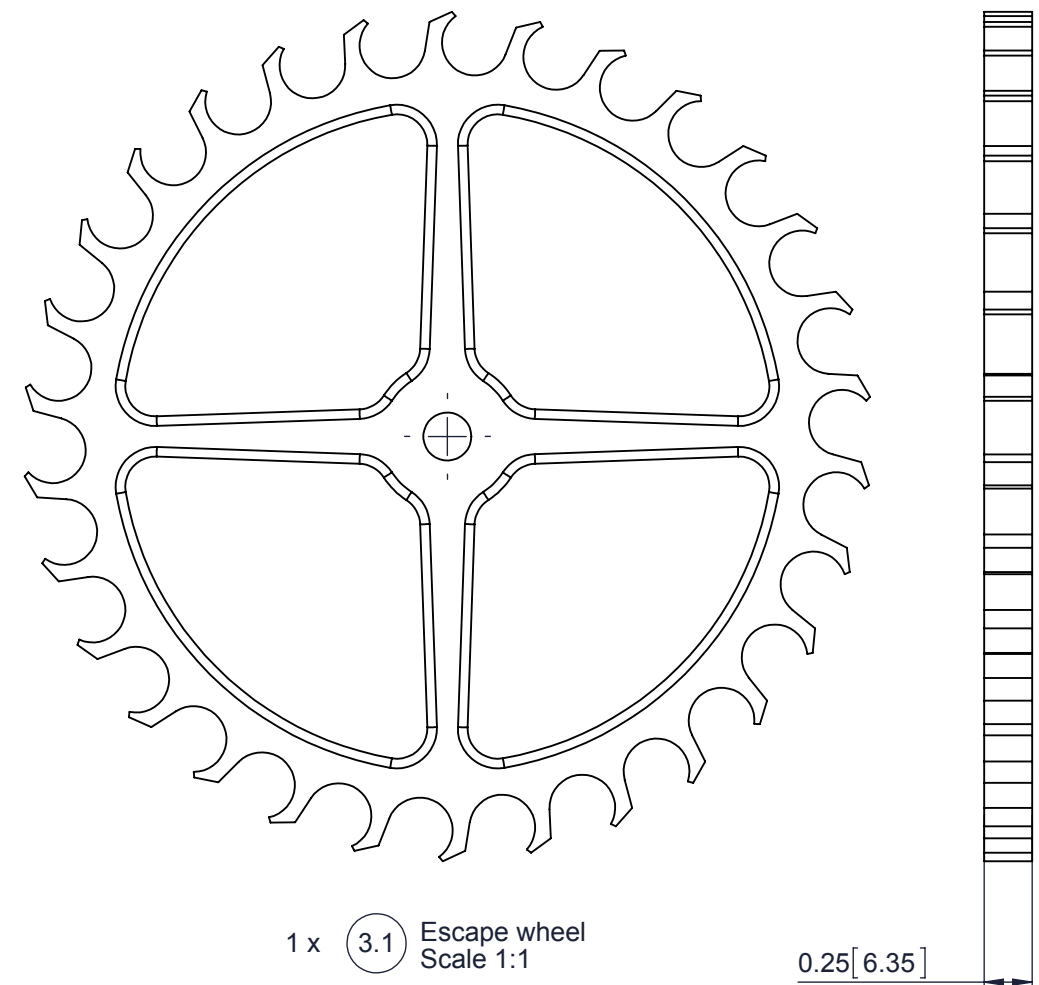
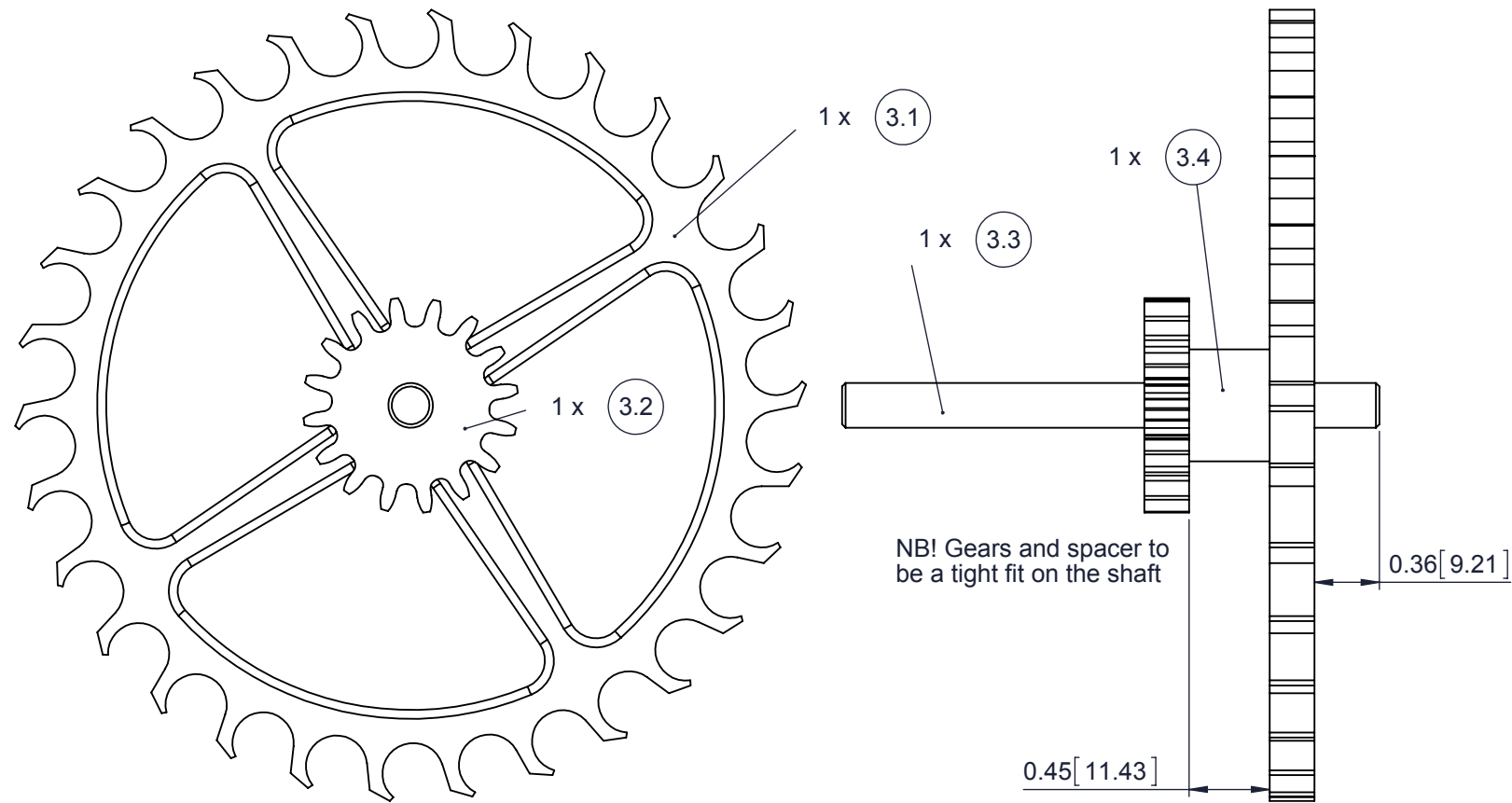


Sht of 7 Shts	Sht Size A3	Law Wooden Clock 10	Frame Details
Not to Scale Unless otherwise stated	All dimensions in inches and (mm) 3rd Angle projection	December 2011	Designed by: Brian law www.woodenclocks.co.uk





Sht 9 of 21 Shts	Sht Size A3	Law Wooden Clock 10	Escapement Assembly
Not to Scale Unless otherwise stated		All dimensions in inches and (mm) 3rd Angle projection	December 2011 Designed by: Brian law www.woodenclocks.co.uk



Sht10of21Shts

Sht Size A3

Law Wooden Clock 10

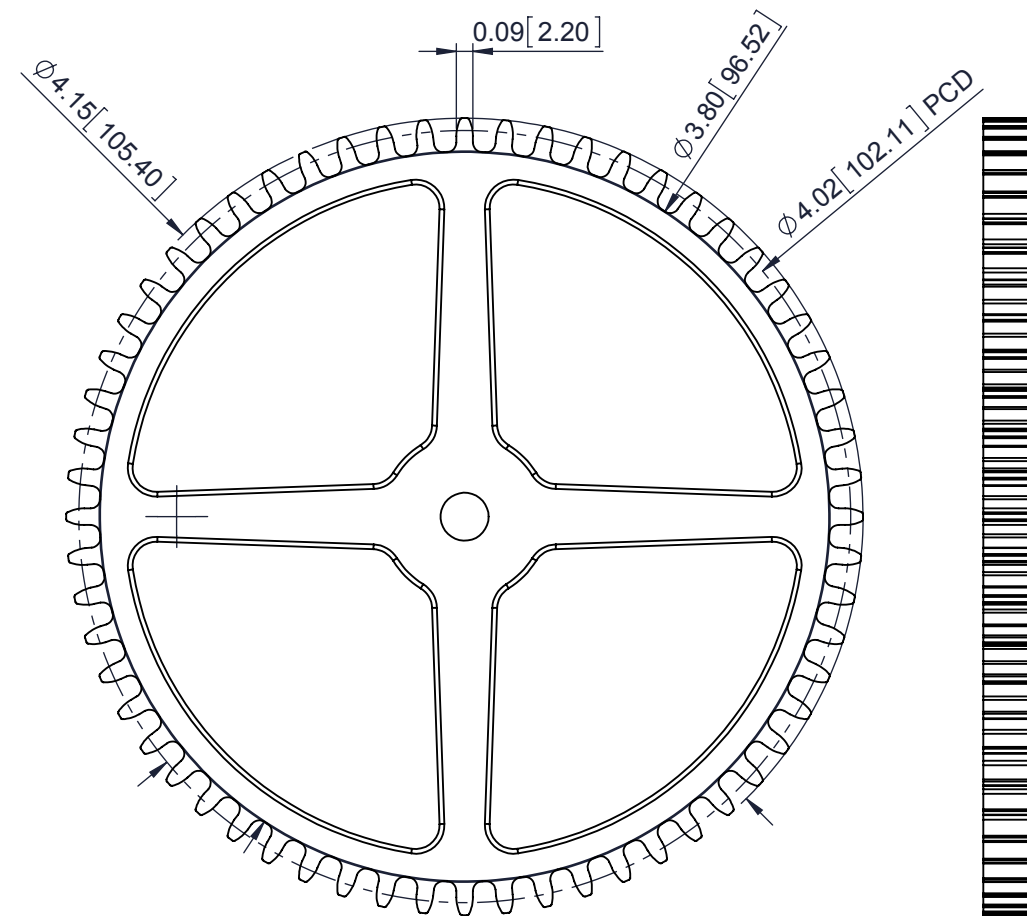
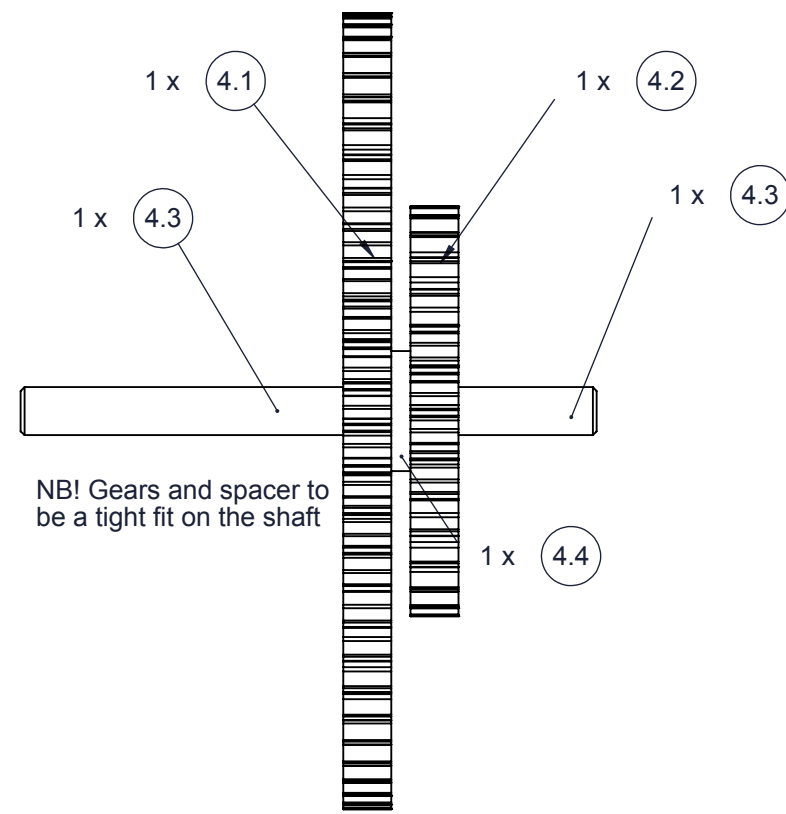
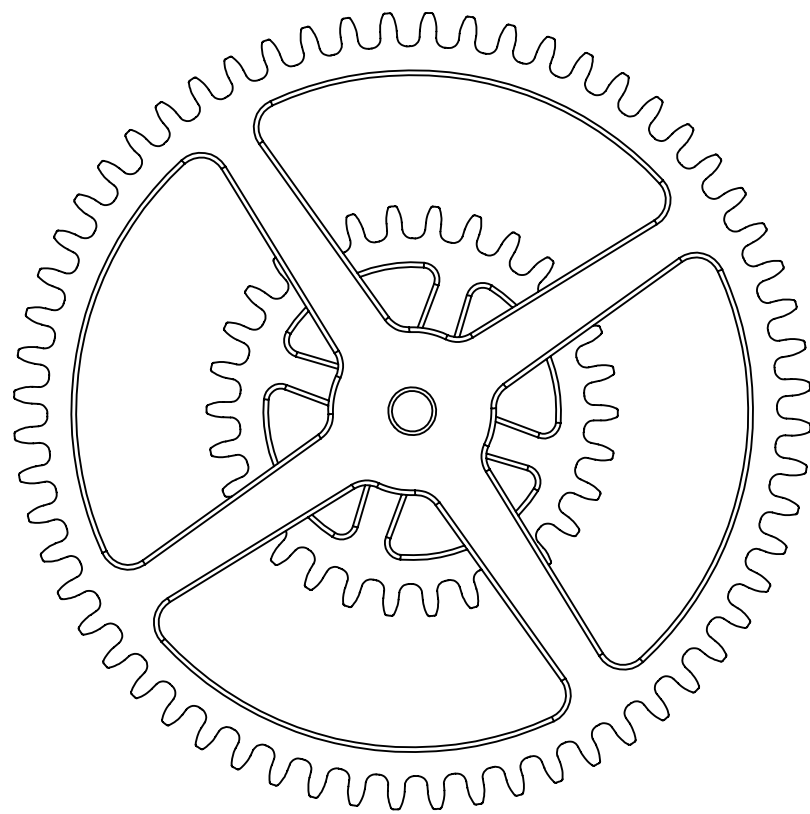
Escape Wheel Assembly

Not to Scale
Unless otherwise stated

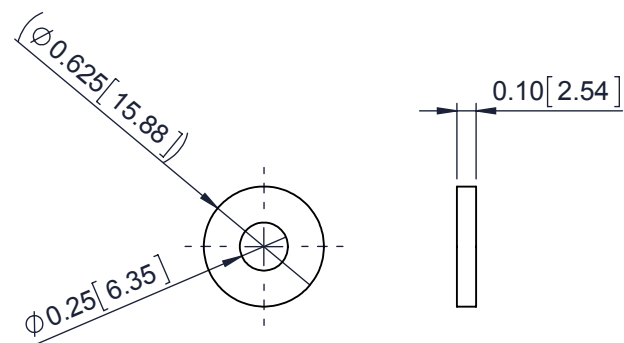
All dimensions in inches and (mm)
3rd Angle projection

December 2011

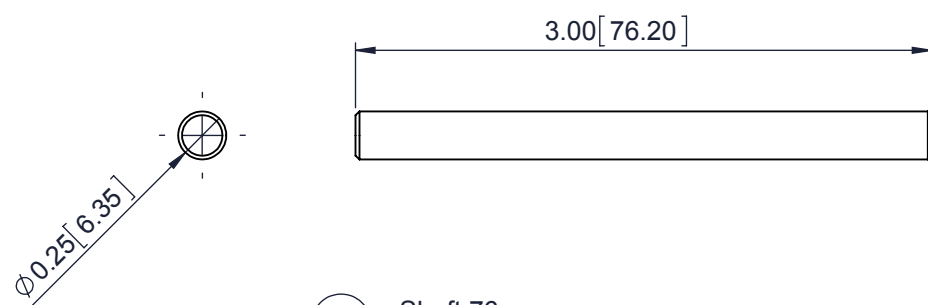
Designed by: Brian law
www.woodenclocks.co.uk



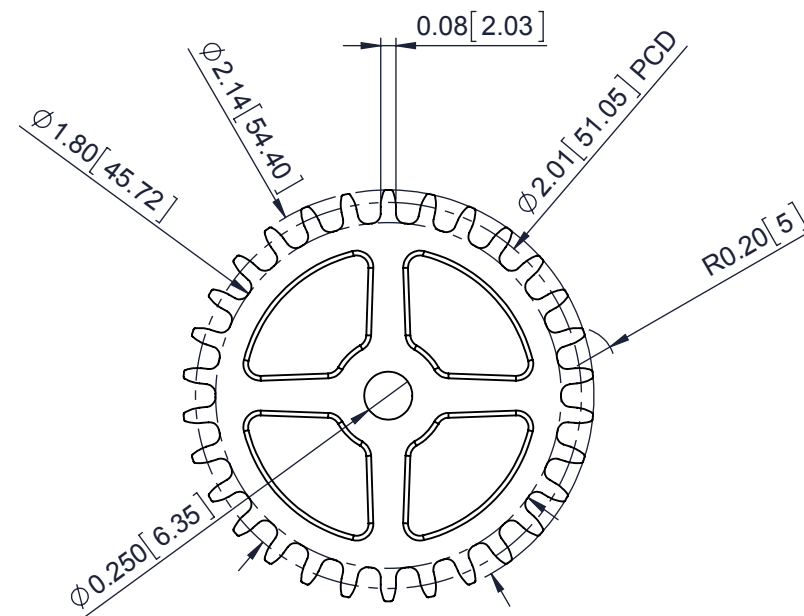
1 x 4.1 Gear 60 Teeth
Scale 1:1



1 x 4.4 Gear Spacer 2
Scale 1:1

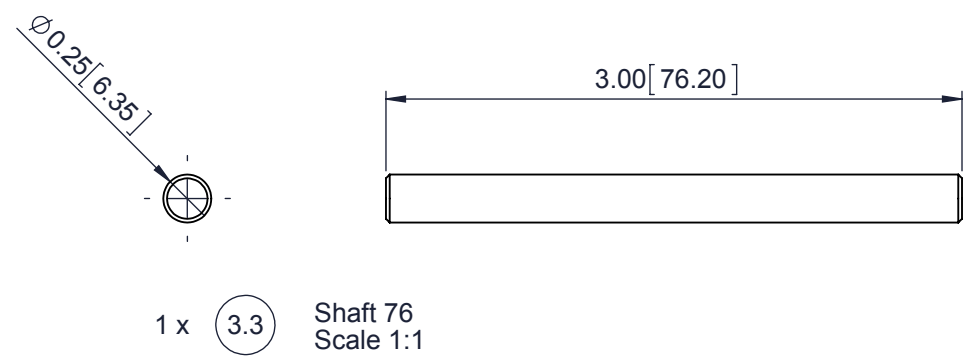
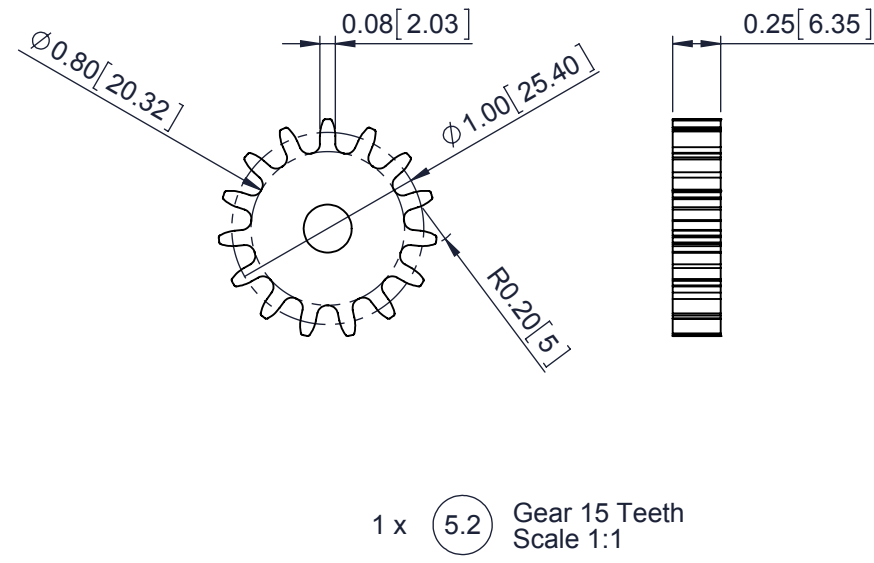
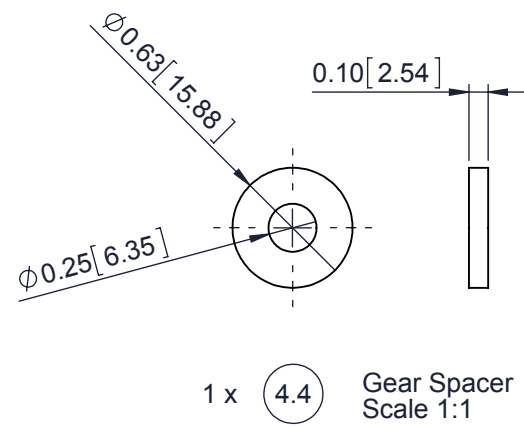
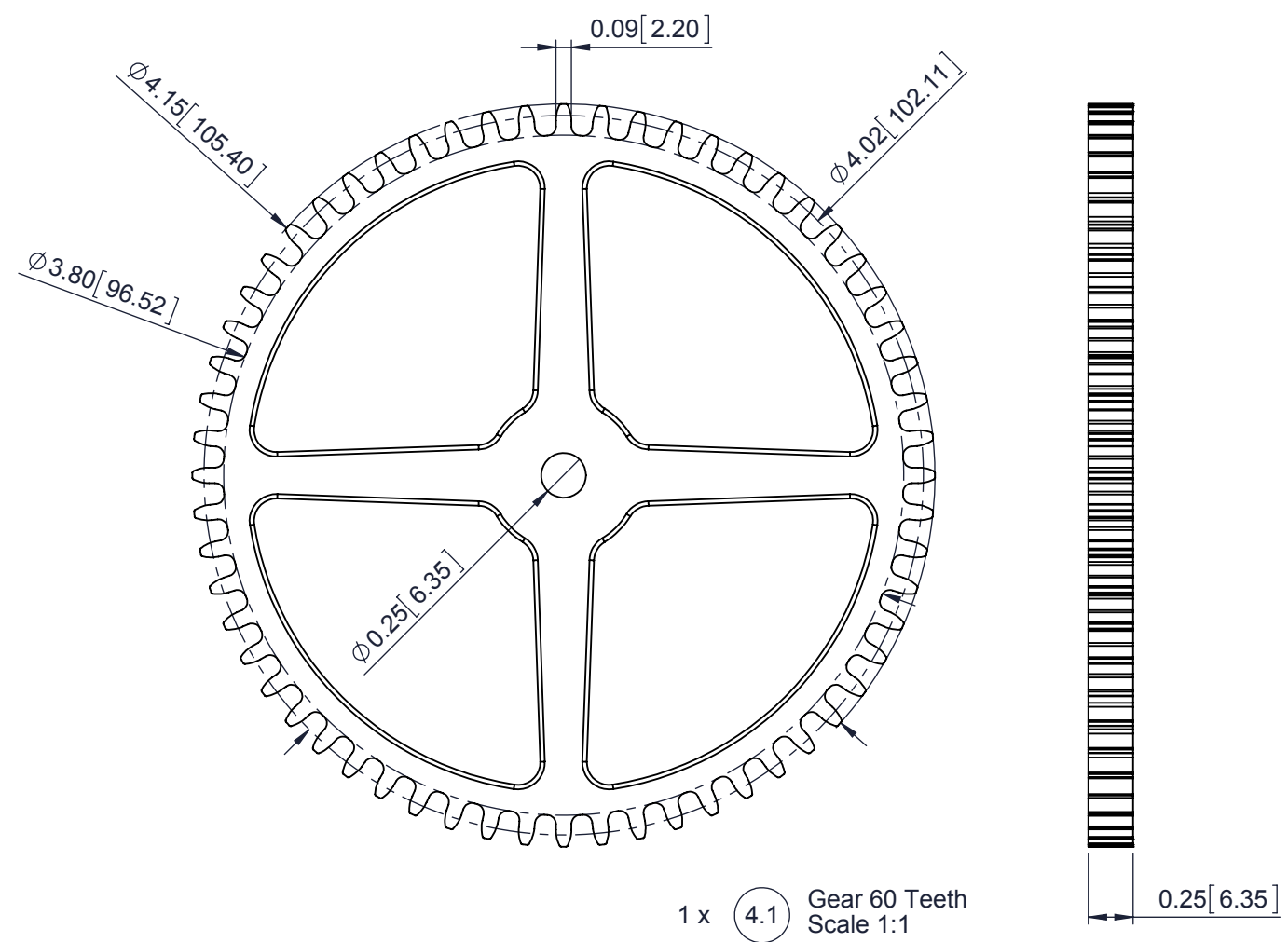
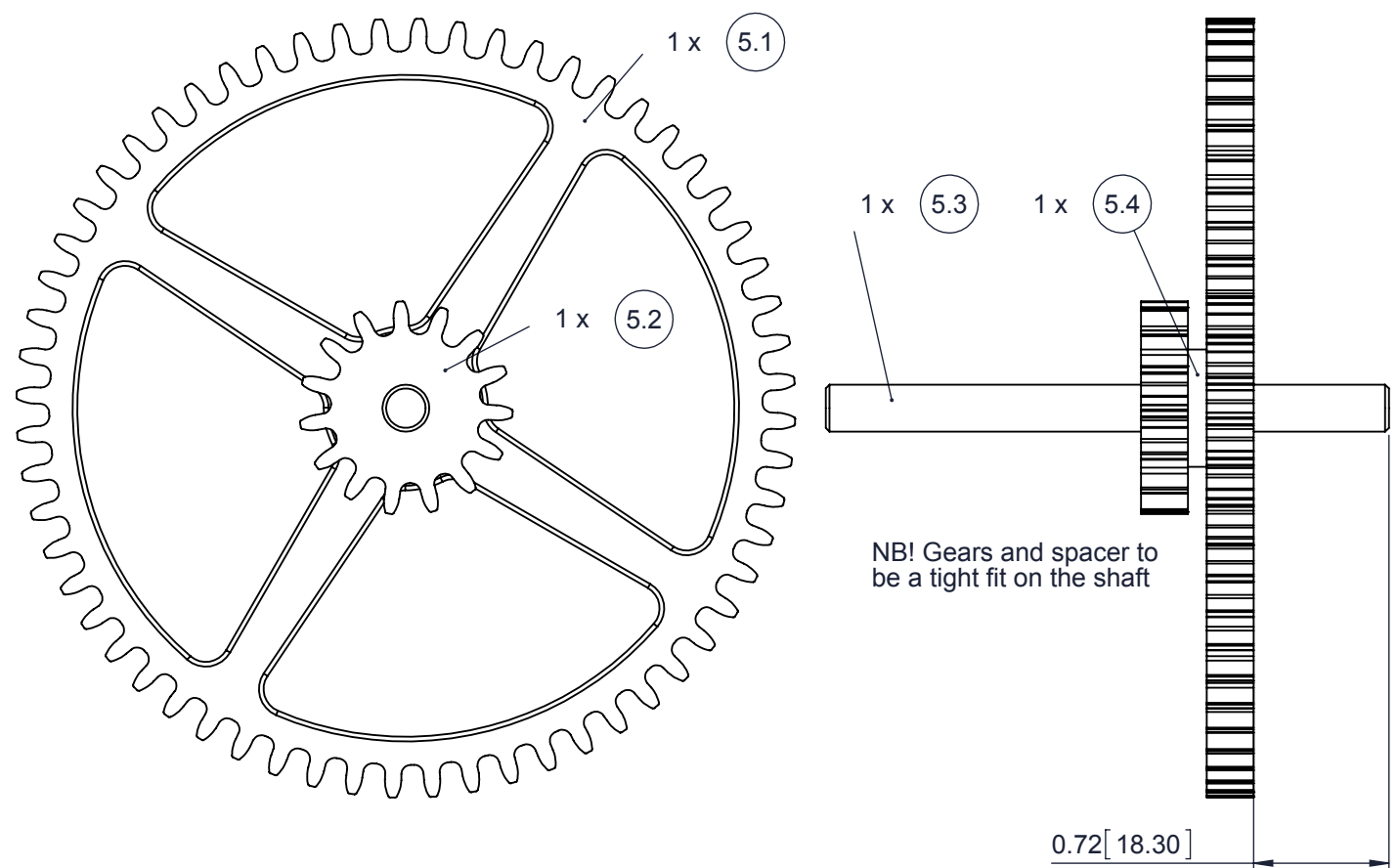


1 x 3.3 Shaft 76
Scale 1:1

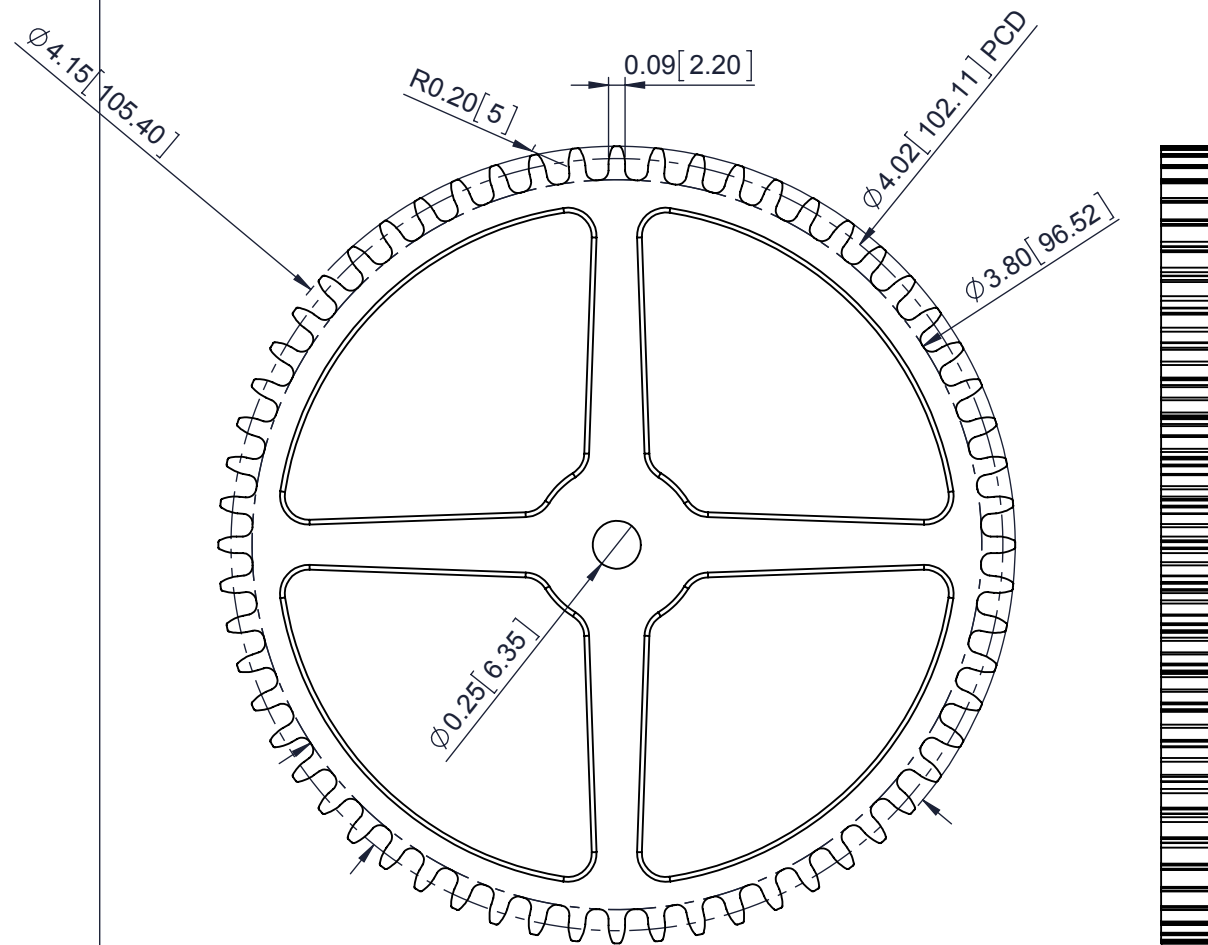
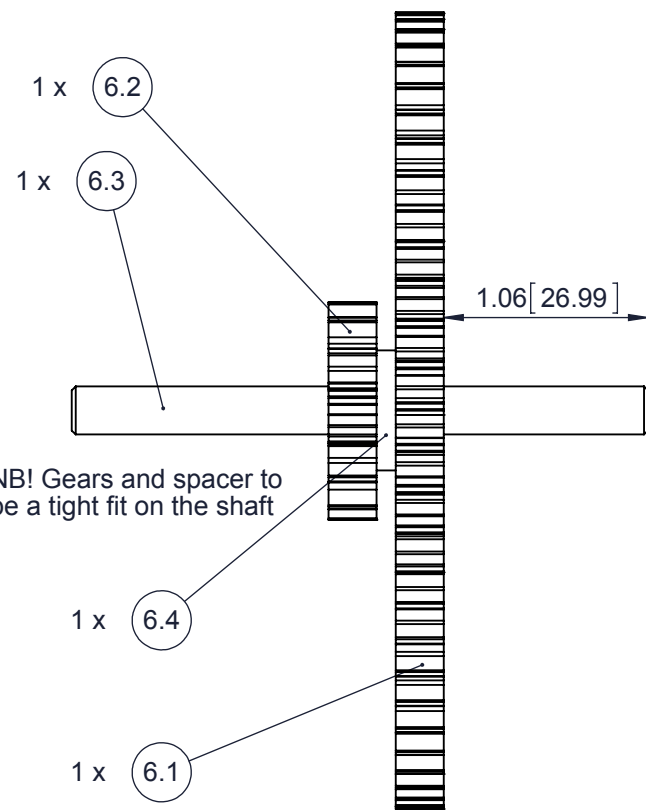
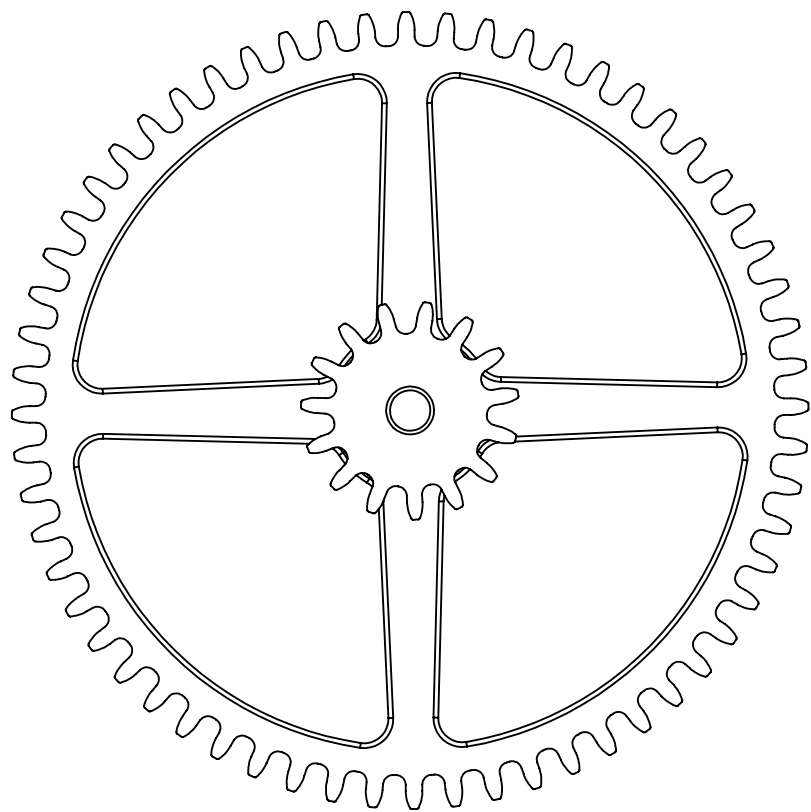


1 x 4.2 Gear 30 Teeth
Scale 1:1

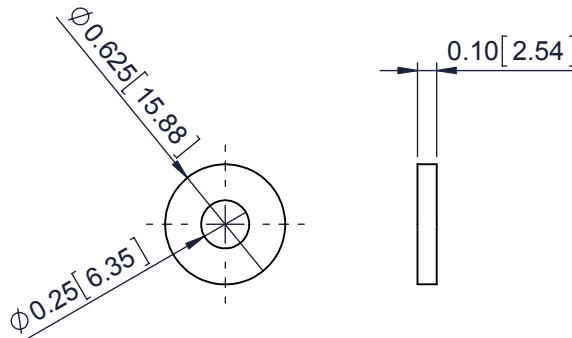
Sht11of21Shts	Sht Size A3	Law Wooden Clock 10	4 th Wheel Assembly
Not to Scale Unless otherwise stated		All dimensions in inches and (mm) 3rd Angle projection	December 2011 Designed by: Brian law www.woodenclocks.co.uk



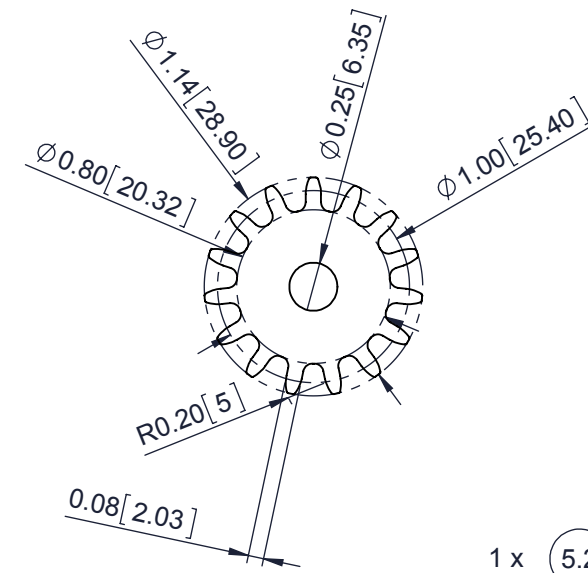
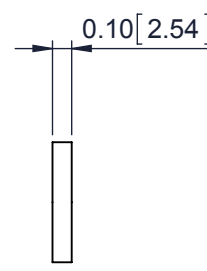
Sht12of21Shts	Sht Size A3	Law Wooden Clock 10	3rd Wheel Assembly
Not to Scale Unless otherwise stated		All dimensions in inches and (mm) 3rd Angle projection	December 2011 Designed by: Brian law www.woodenclocks.co.uk



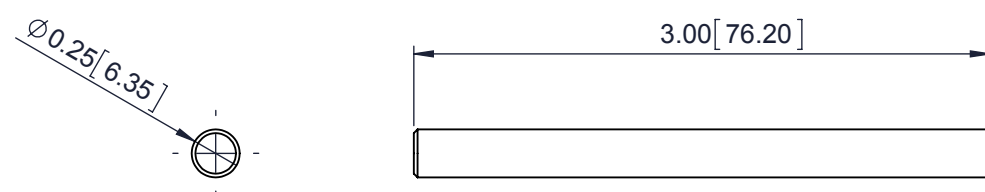
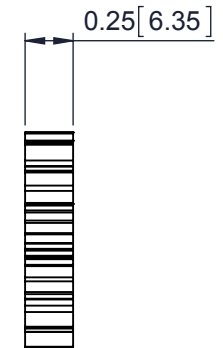
1 x 4.1 Gear 60 teeth
Scale 1:1



1 x 4.4 Spacer 2
Scale 1:1

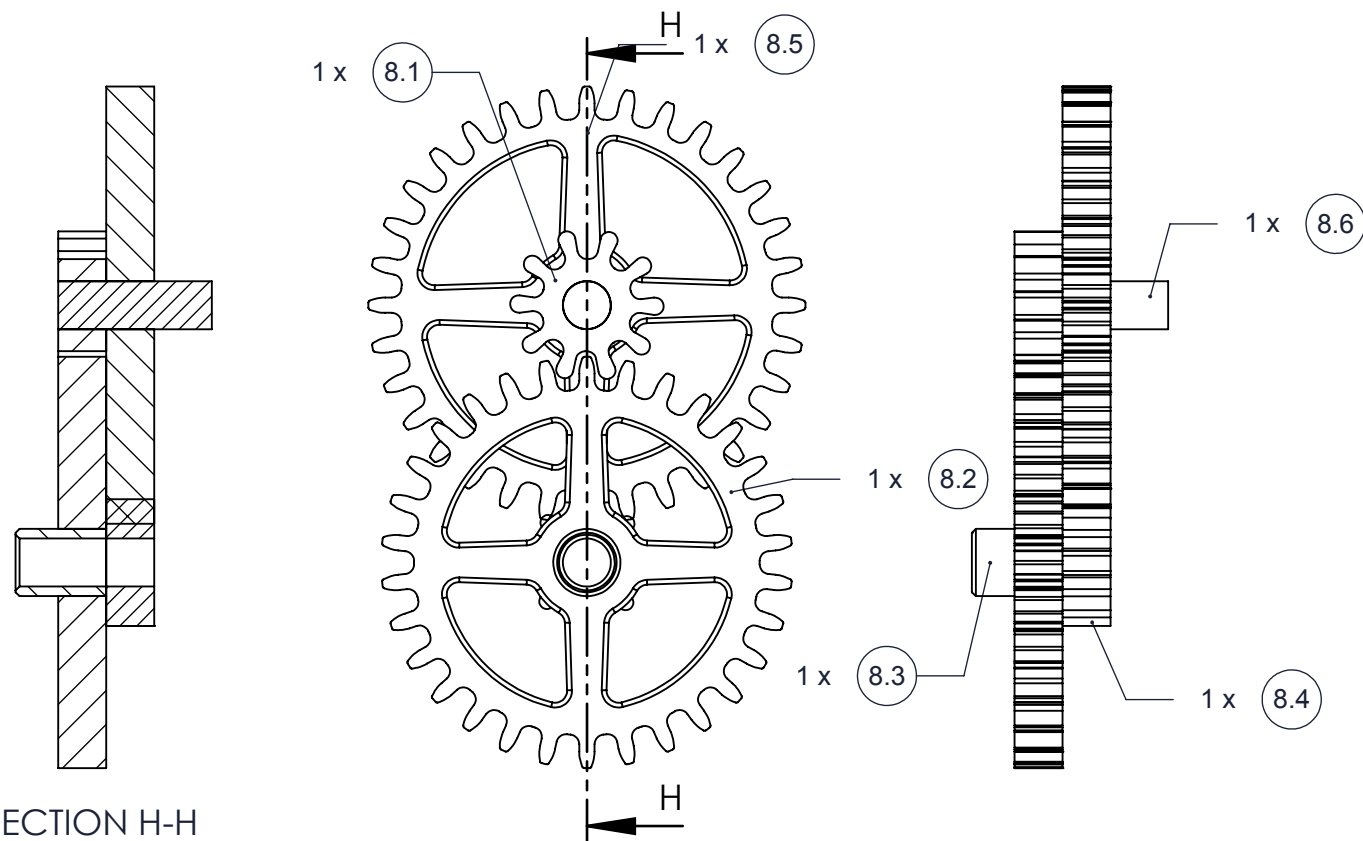


1 x 5.2 Gear 15 teeth
Scale 1:1



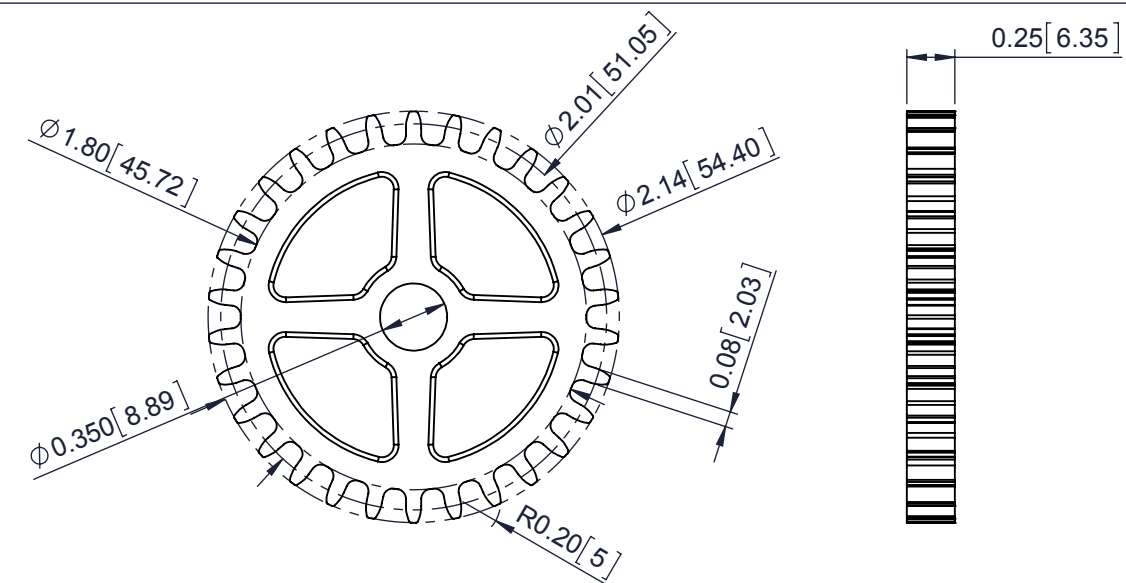
1 x 3.3 Shaft 76
Scale 1:1

Sht13of21Shts	Sht Size A3	Law Wooden Clock 10	2nd Wheel Assembly
Not to Scale Unless otherwise stated		All dimensions in inches and (mm) 3rd Angle projection	December 2011 Designed by: Brian law www.woodenclocks.co.uk

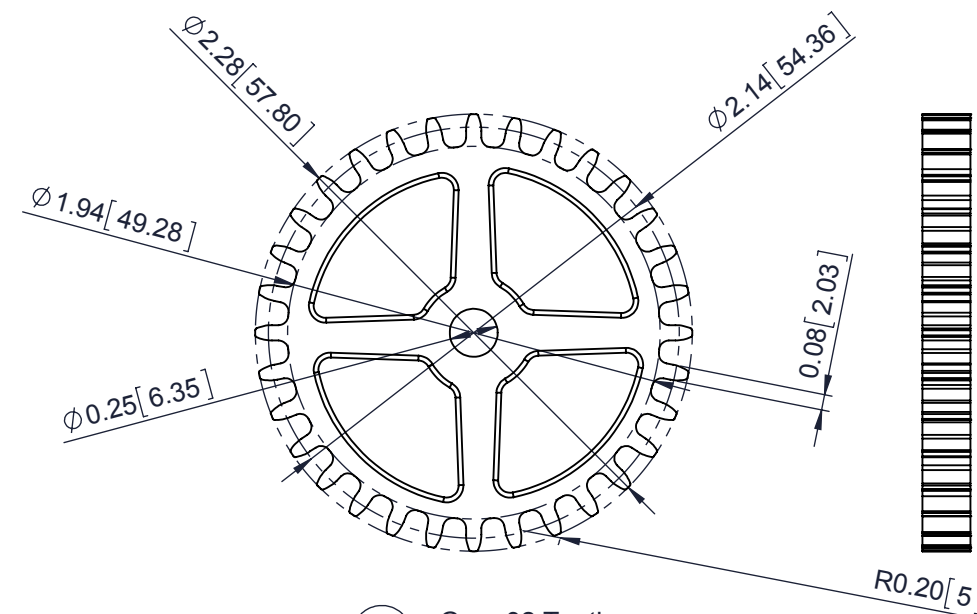


SECTION H-H

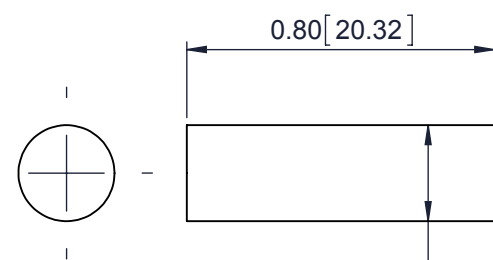
Gear 8 Teeth tight fit on main shaft.
Glue Hour tube into Gear 30.
Hour tube loose fit on main shaft
Gear 10 teeth and Gear 32 teeth and
Hour pivot to be glued together



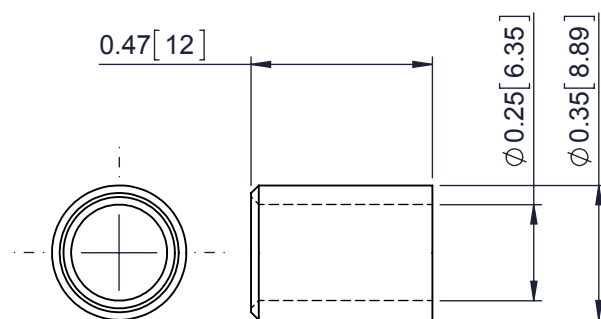
1 x (8.2) Gear 30 Teeth
Scale 1:1



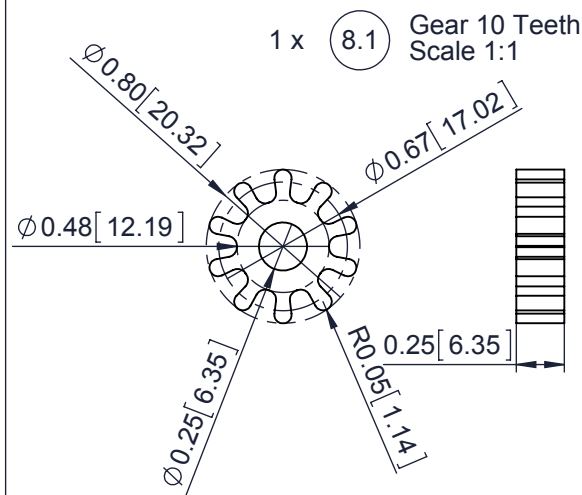
1 x (8.5) Gear 32 Teeth
Scale 1:1



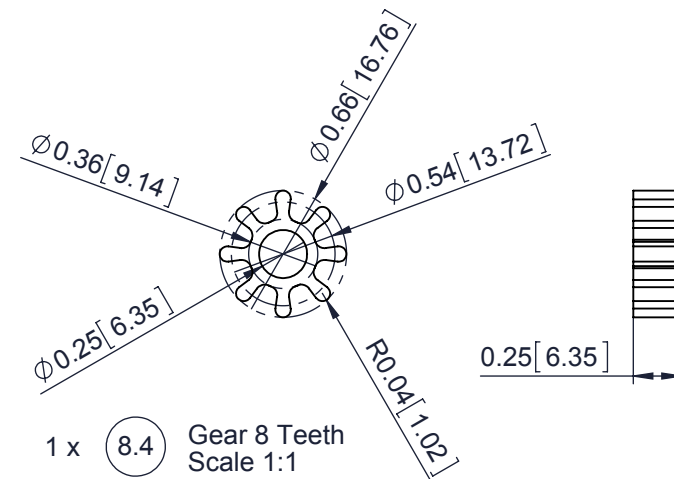
Hour Pivot
Scale 2:1



1 x (8.3) Hour Tube
Scale 2:1



1 x (8.1) Gear 10 Teeth
Scale 1:1



1 x (8.4) Gear 8 Teeth
Scale 1:1

Sht15of21Shts

Sht Size A3

Law Wooden Clock 10

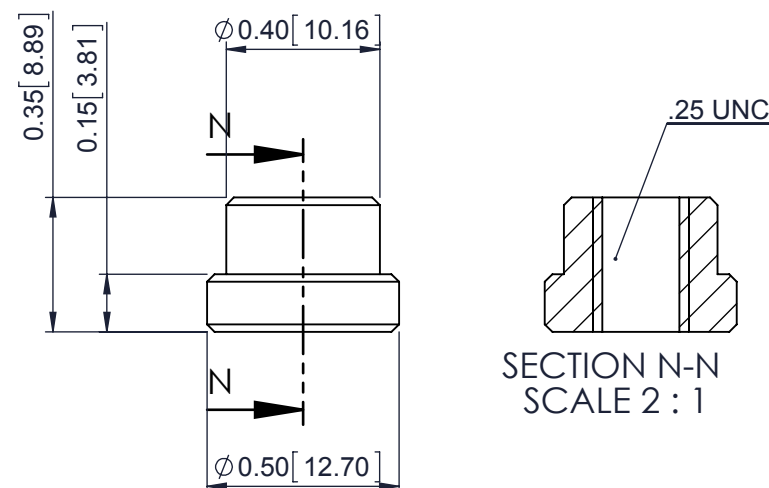
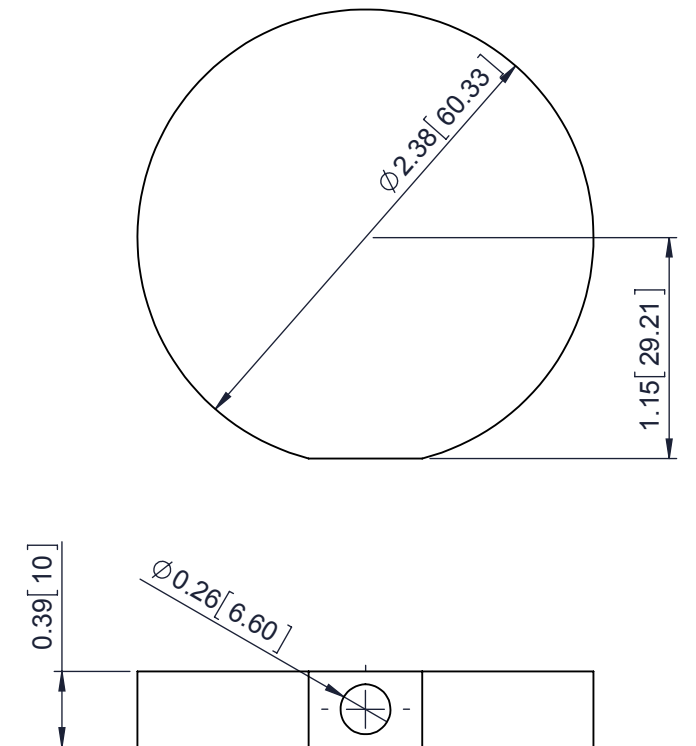
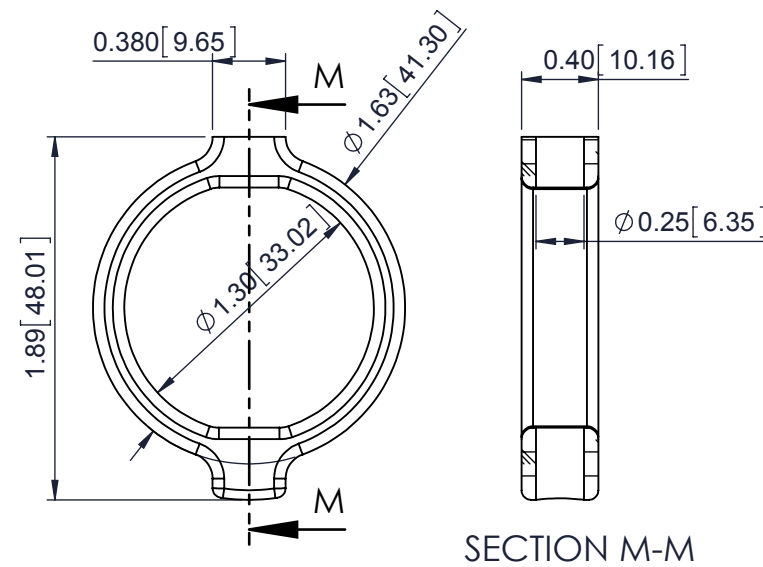
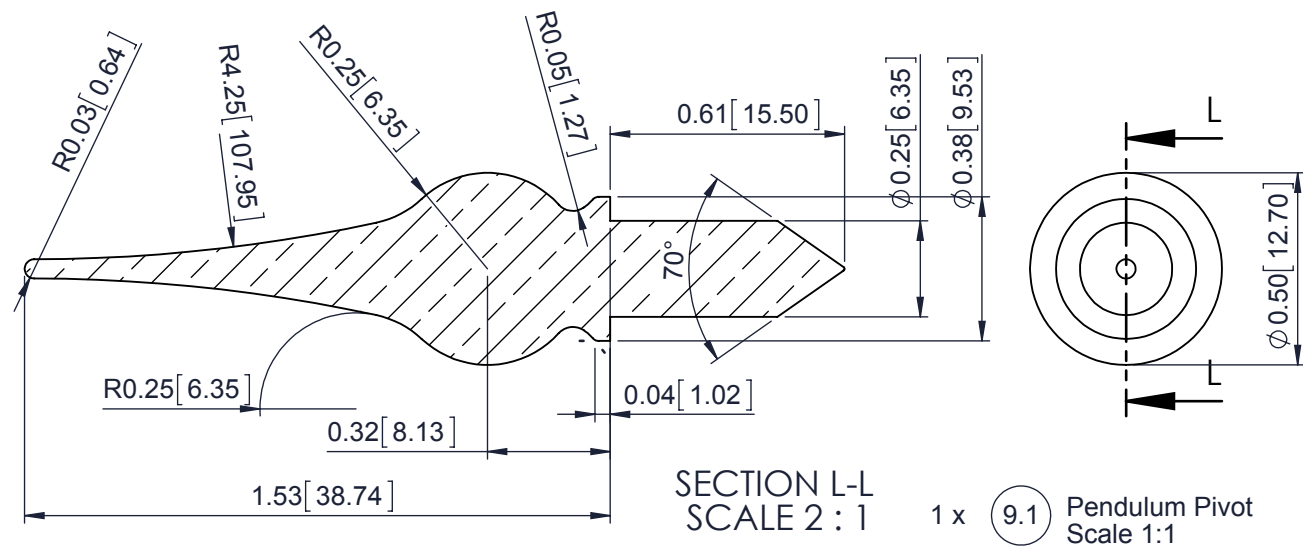
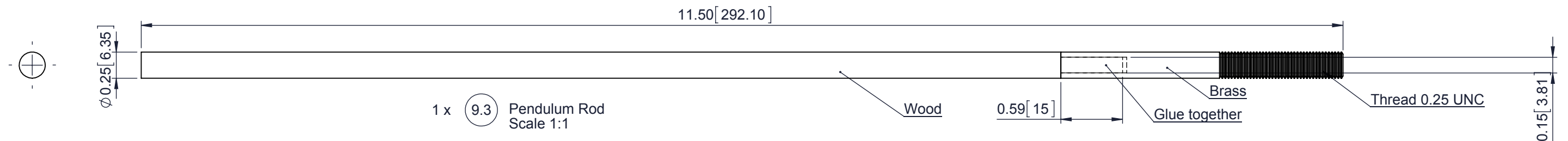
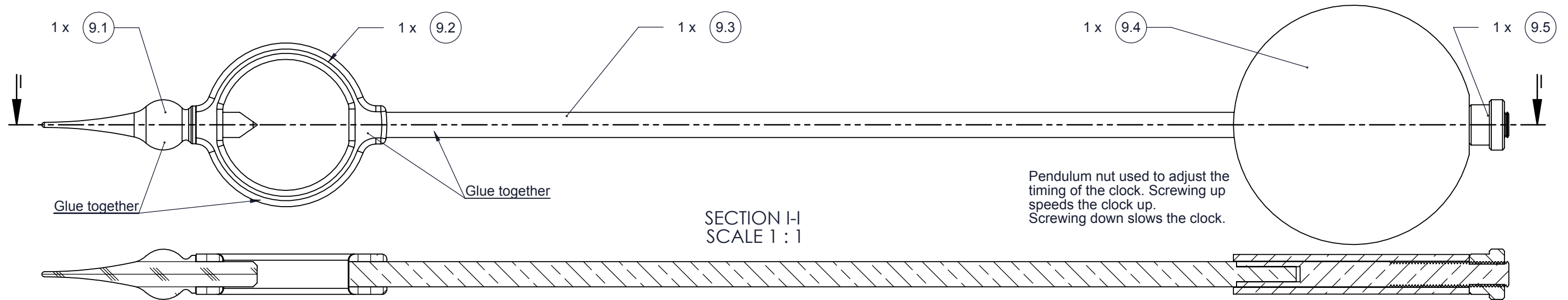
Hour Gears

Not to Scale
Unless otherwise stated

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

December 2011

Designed by: Brian law
www.woodenclocks.co.uk



Sht16of21Shts

Sht Size A3

Law Wooden Clock 10

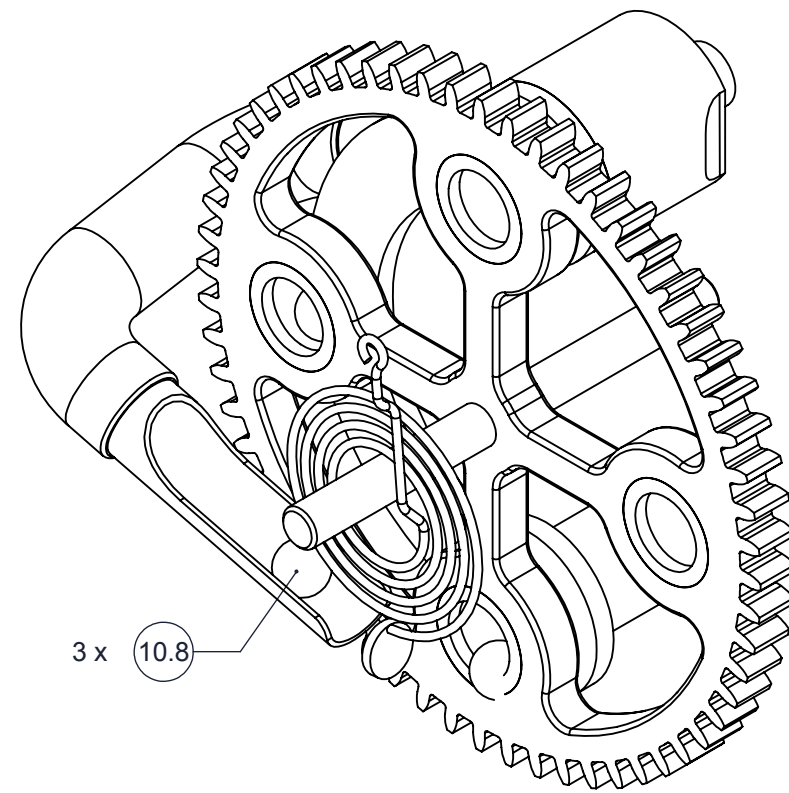
Pendulum Assembly

Not to Scale
Unless otherwise stated

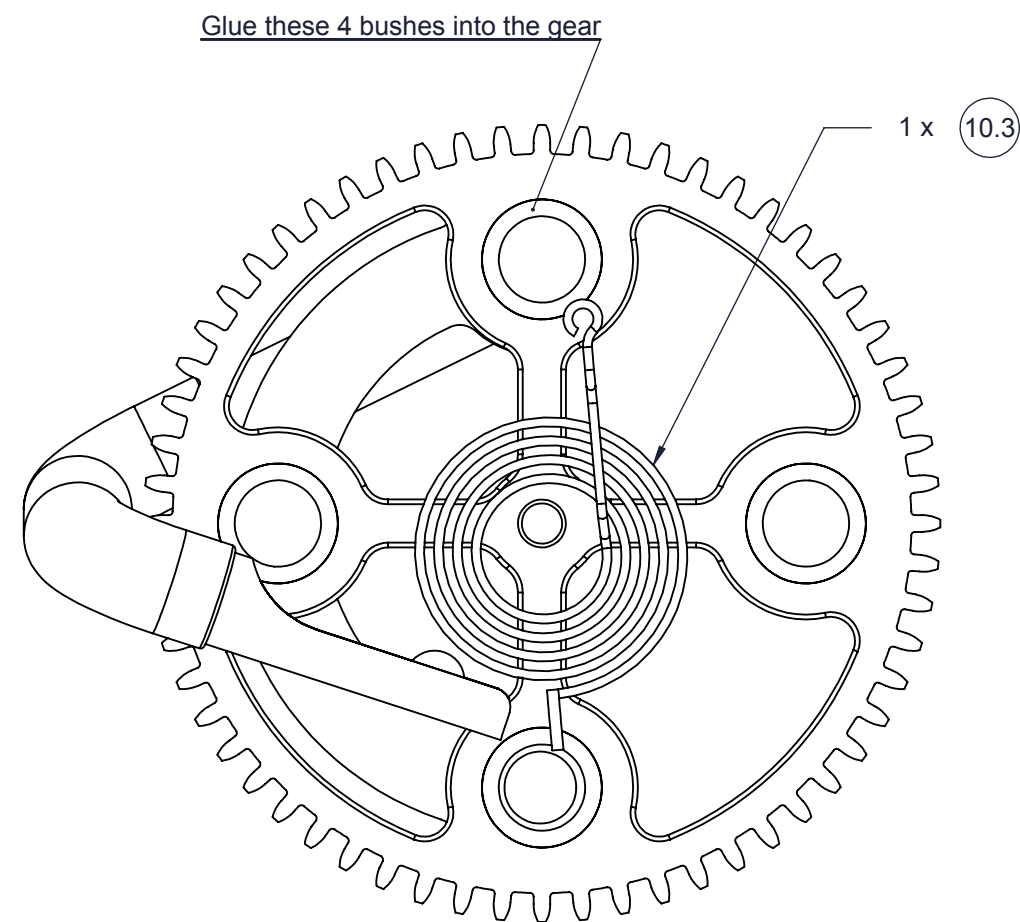
All dimensions in inches and (mm)
3rd Angle projection

December 2011

Designed by: Brian law
www.woodenclocks.co.uk

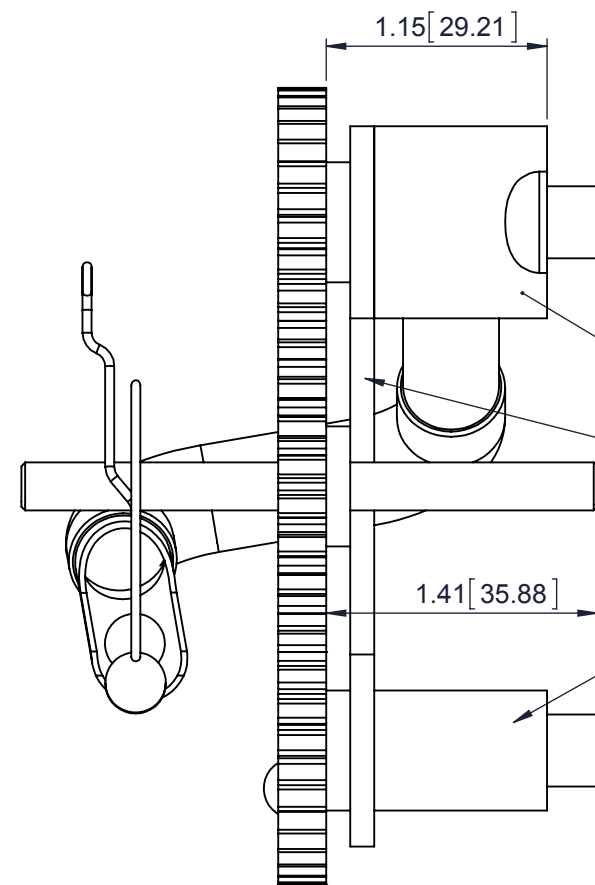


3 x 10.8



Glue these 4 bushes into the gear

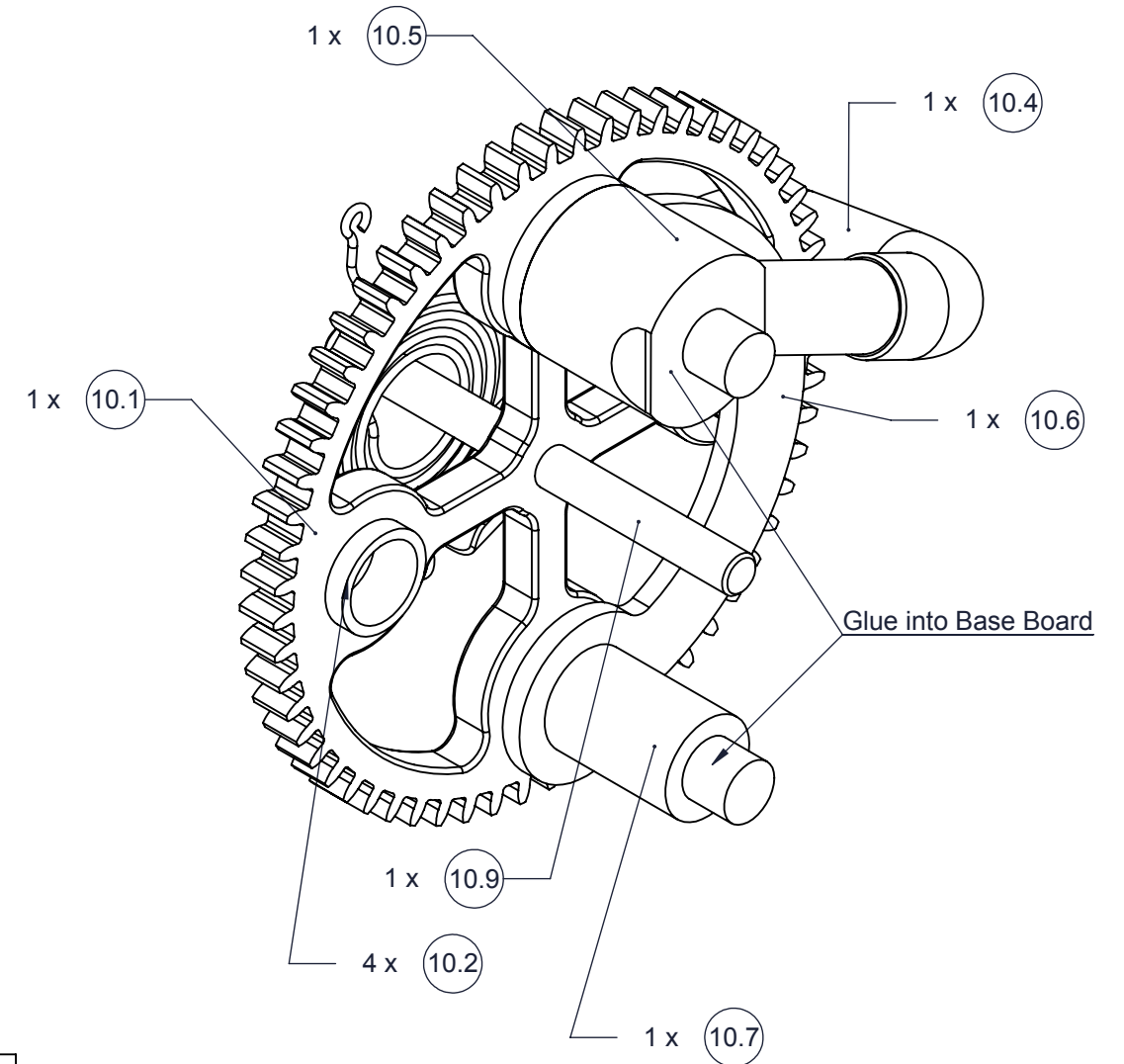
1 x 10.3



1.15 [29.21]

1.41 [35.88]

Glue together



1 x 10.5

1 x 10.4

1 x 10.1

1 x 10.6

Glue into Base Board

1 x 10.9

4 x 10.2

1 x 10.7

Sht 17 of 21 Shts

Sht Size A3

Law Wooden Clock 10

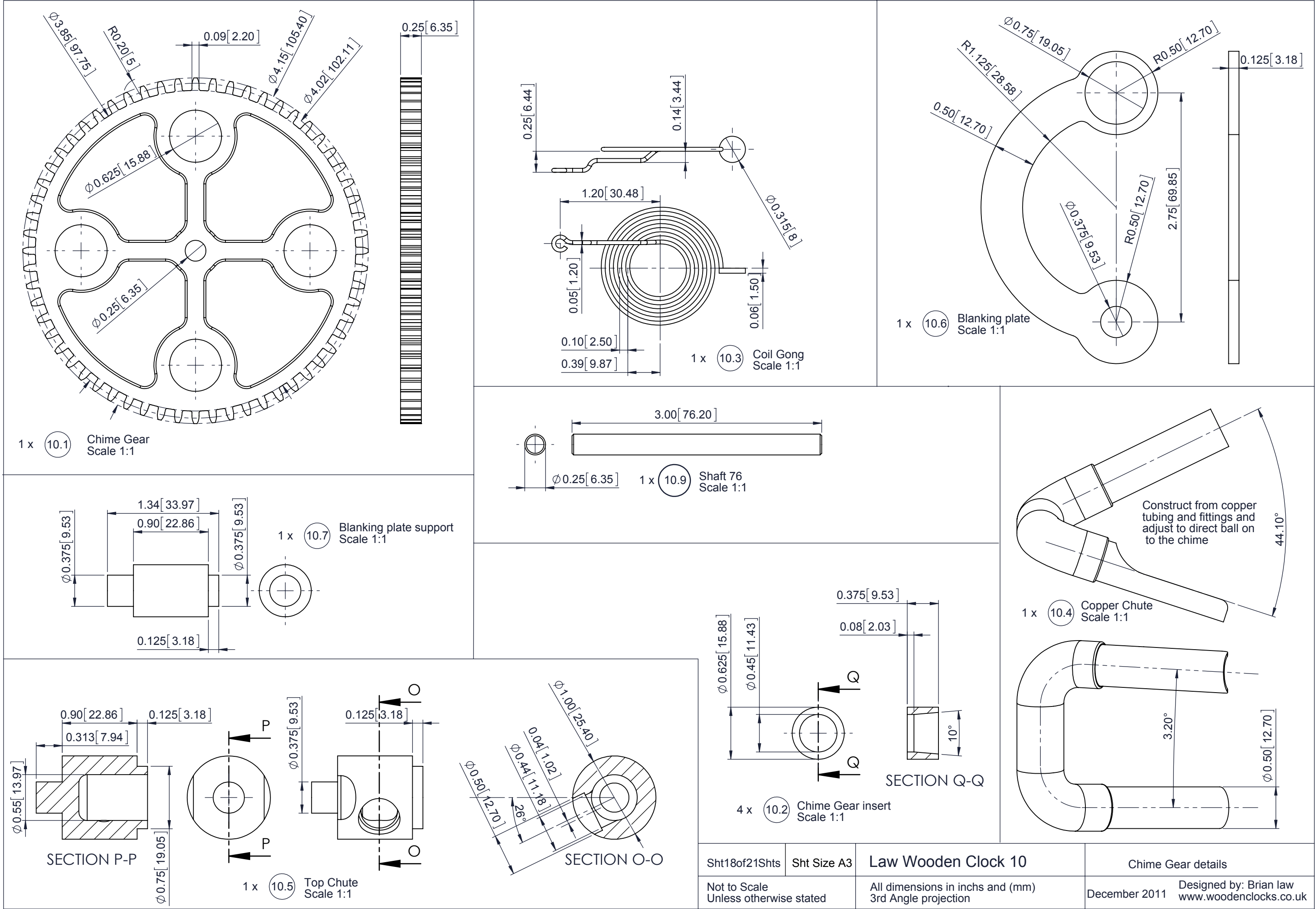
Chime Assembly

Not to Scale
Unless otherwise stated

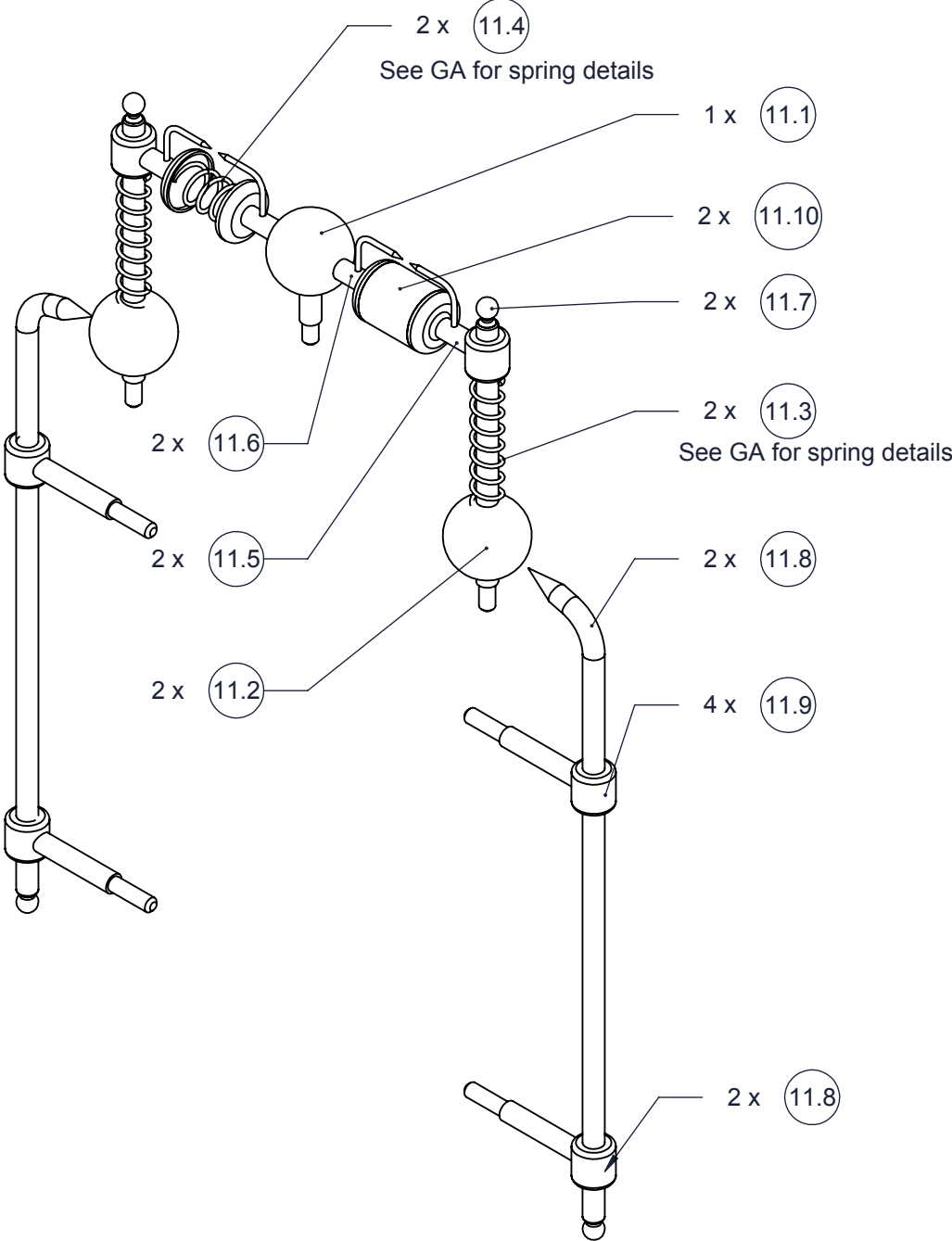
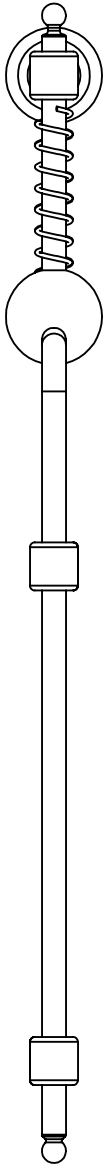
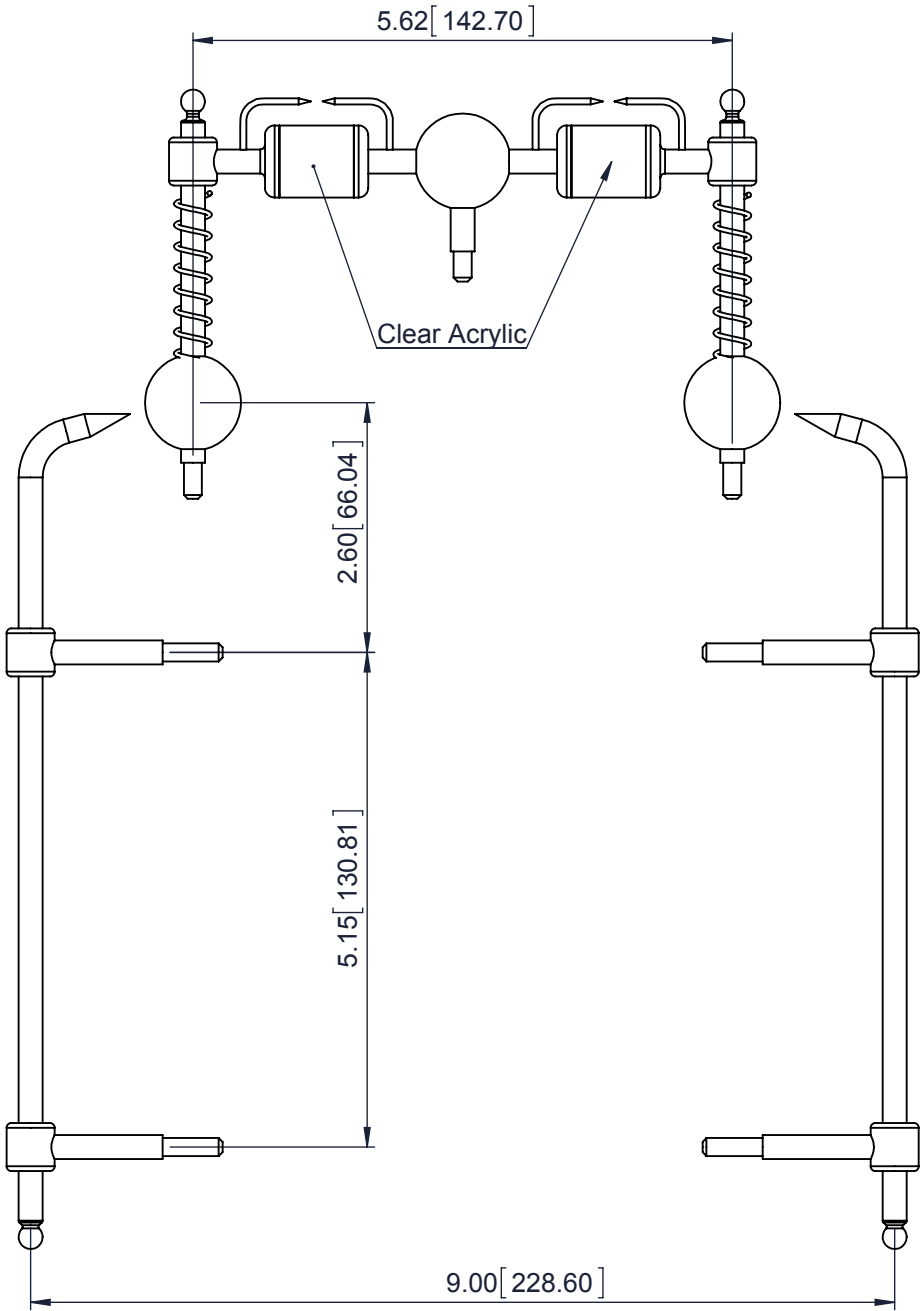
All dimensions in inches and (mm)
3rd Angle projection

December 2011

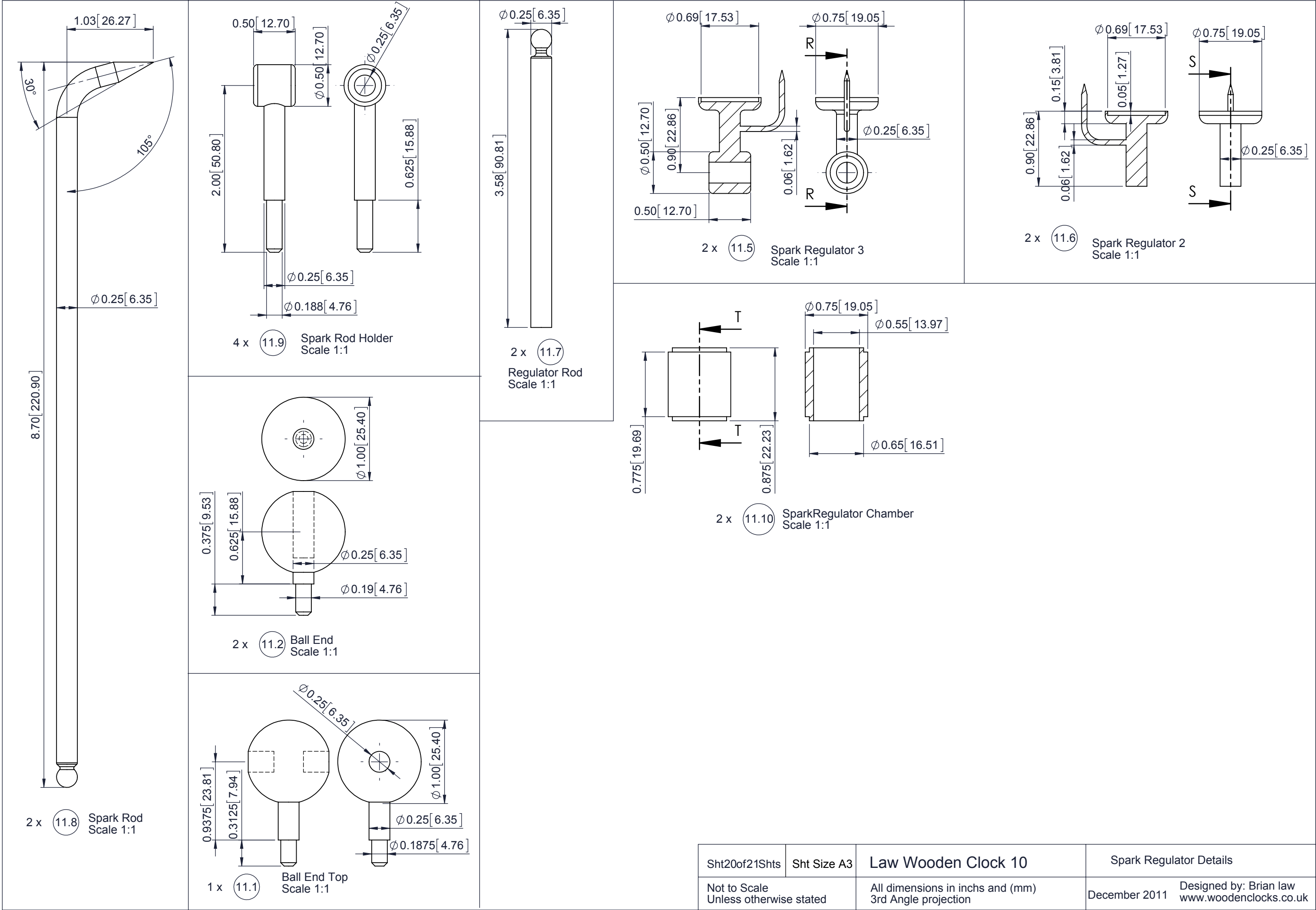
Designed by: Brian law
www.woodenclocks.co.uk

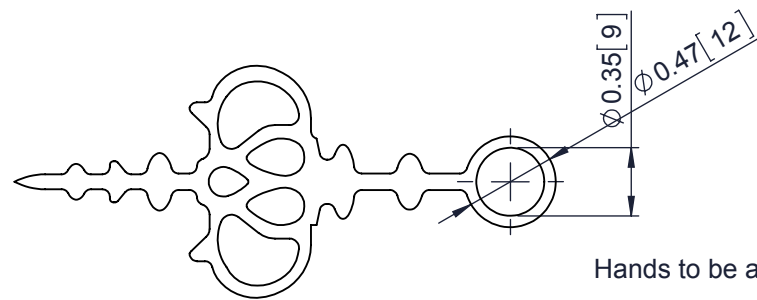


The spark regulator can be made from brass and all parts made with a loose fit that can be either pinned or glued on assembly to the Base Board .

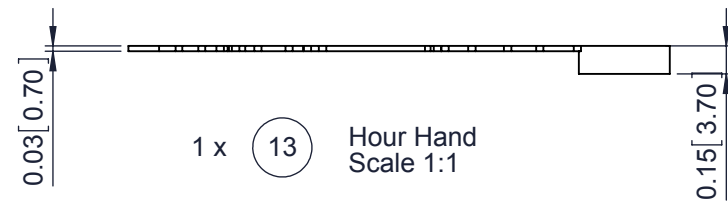


Sht19of21Shts	Sht Size A3	Law Wooden Clock 10	Spark Regulator Assembly
Not to Scale Unless otherwise stated	All dimensions in inches and (mm) 3rd Angle projection	December 2011	Designed by: Brian law www.woodenclocks.co.uk

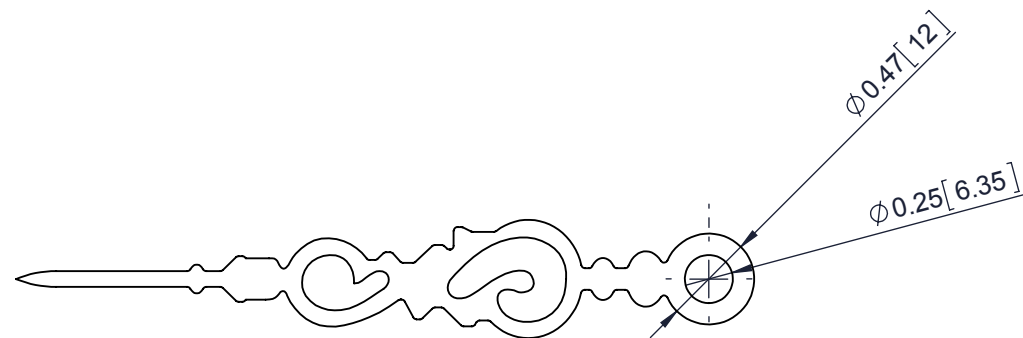




Hands to be a tight fit on the shaft



1 x 13 Hour Hand
Scale 1:1



Hands to be a tight fit on the shaft



1 x 12 Minute Hand
Scale 1:1

Sht21of21Shts	Sht Size A3	Law Wooden Clock 10	Hands
Not to Scale Unless otherwise stated		All dimensions in inches and (mm) 3rd Angle projection	December 2011 Designed by: Brian law www.woodenclocks.co.uk