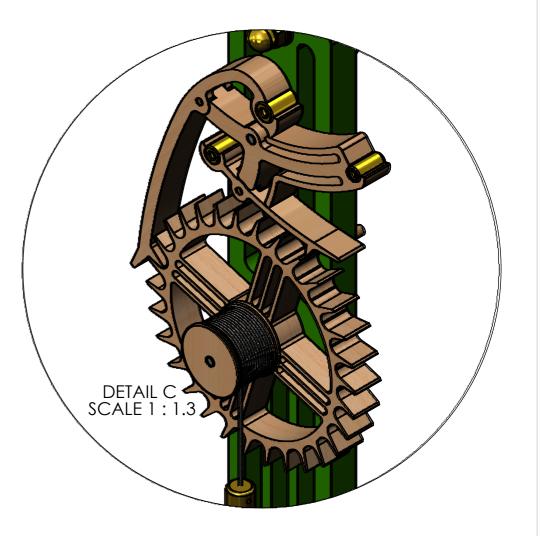


The Grasshopper Escapement shown here was designed as a stand alone mechanism to prove out the design, and as such have additional parts to support it and to enable it to function.

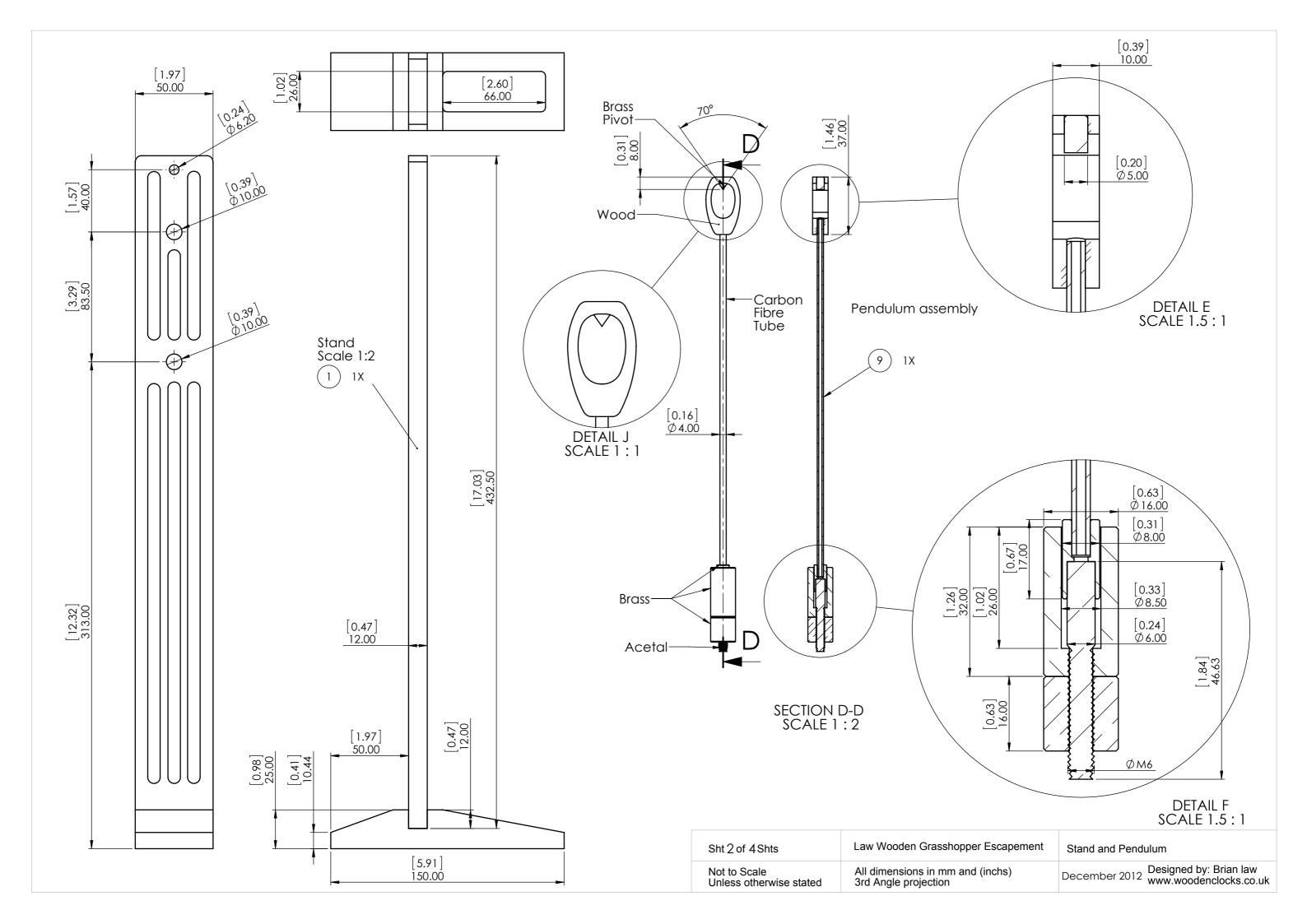
These parts namly the stand and the pendulum and even the Escapement wheel will not necessaryly be required if you use the design within your own clock design.

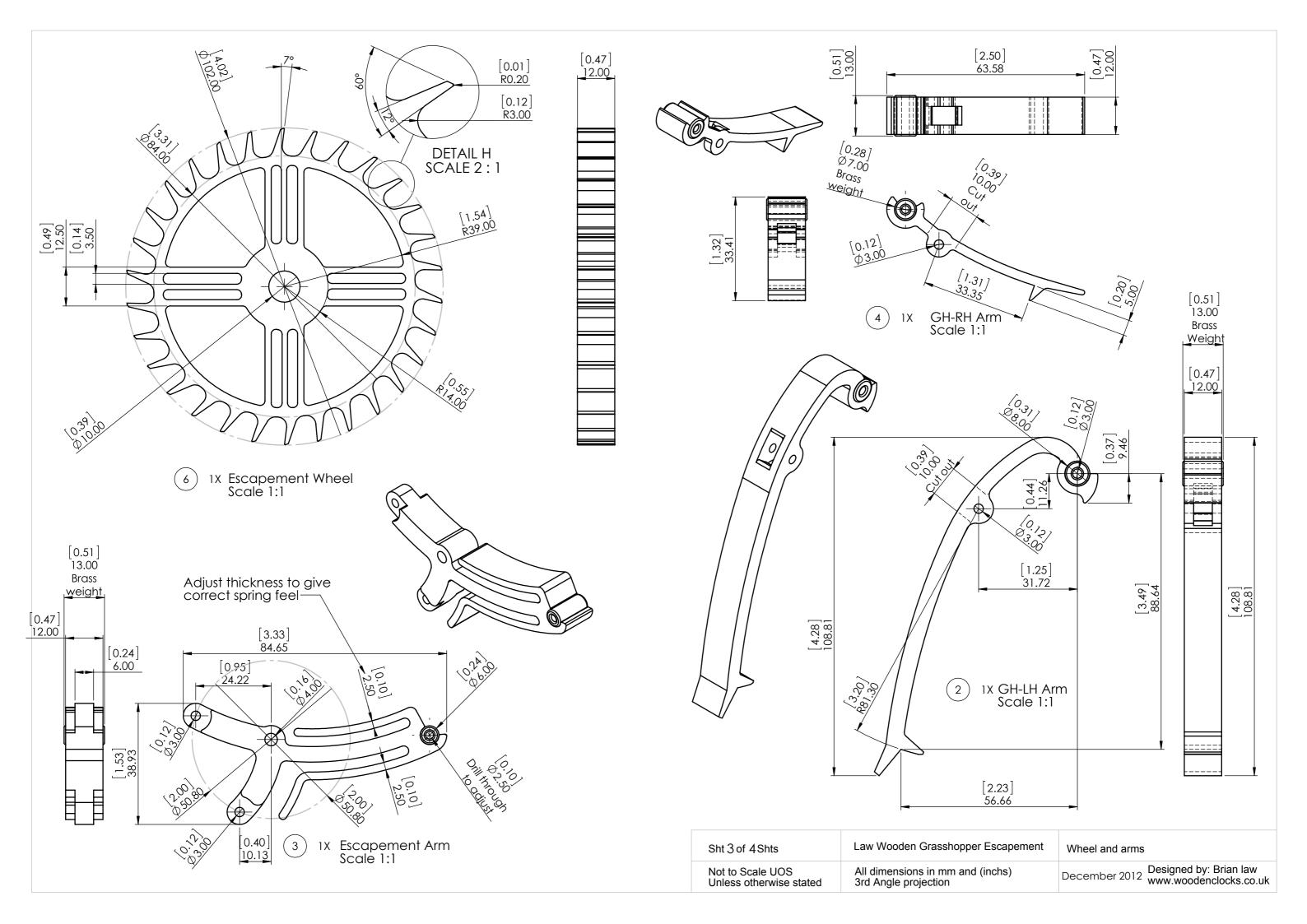
I have used a short pendulum of 248mm lencth to give a 2 second ossilation. This works for the compact design shown here but would probably use a longer 1000mm pendulum for your own clok. The longer pendulum with the 30 tooth escapement wheel would then give you 1 revolution of that wheel per 60 seconds. Thesize of the small weight is very much up to you, and is there to drive the escapement and will vary with different constructions.

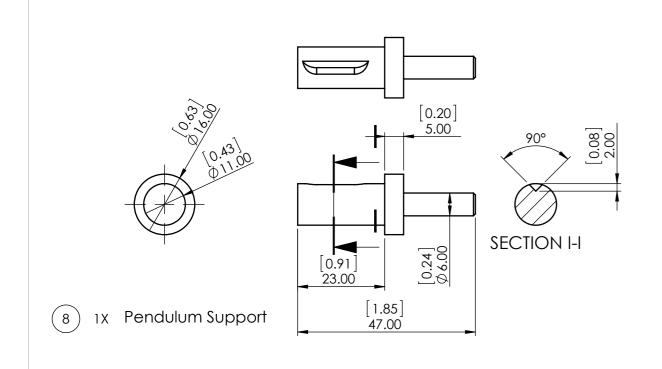
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Stand	Wood	1
3	GH-LH Arm	Wood	1
3	GH-Escapement Arm	Wood	1
4	GH-RH Arm	Wood	1
6	Escapement wheel	Wood	1
7	Bearing 4mm	4x10x4	4
8	Pendulum Support	Brass	1
9	Clock 14-Pendulum		1
9.1	Clock 14-Pendulum Pivot	Brass	1
9.2	Clock 14-Pendulum Head	Wood	1
9.3	Clock 14-Pendulum Rod	Dowel	1
9.4 9.5	Clock 14-Pendulum Bob	Brass	1
9.5	Clock 14-Pendulum Nut	Brass	1
9.6	Clock 14-Pendulum sleeve	Brass	1
10	Yoke	Wood	1
11	Washer	M6	1
12	Domed nut-m6x1-6	Brass	1
13	Cord Drum	Wood Steel	1
14	Pin Escapement Arm	Steel	1
15	Cord	Fine Cord Steel	1
16	Small weight		1
17	Arm Pins	Steel 3mm	2
18	Pin Escapement Wheel	Steel 4mm	1

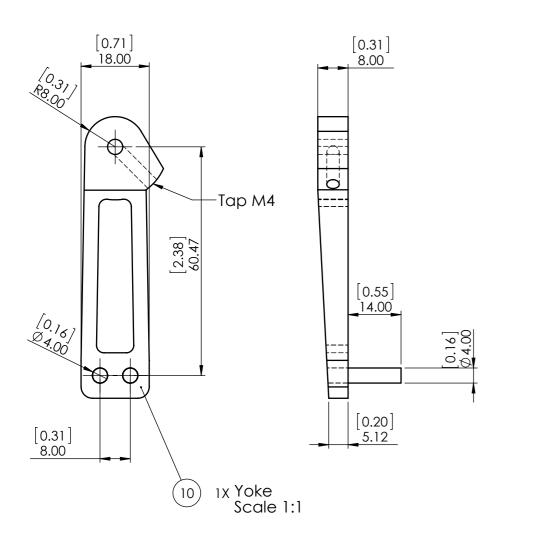


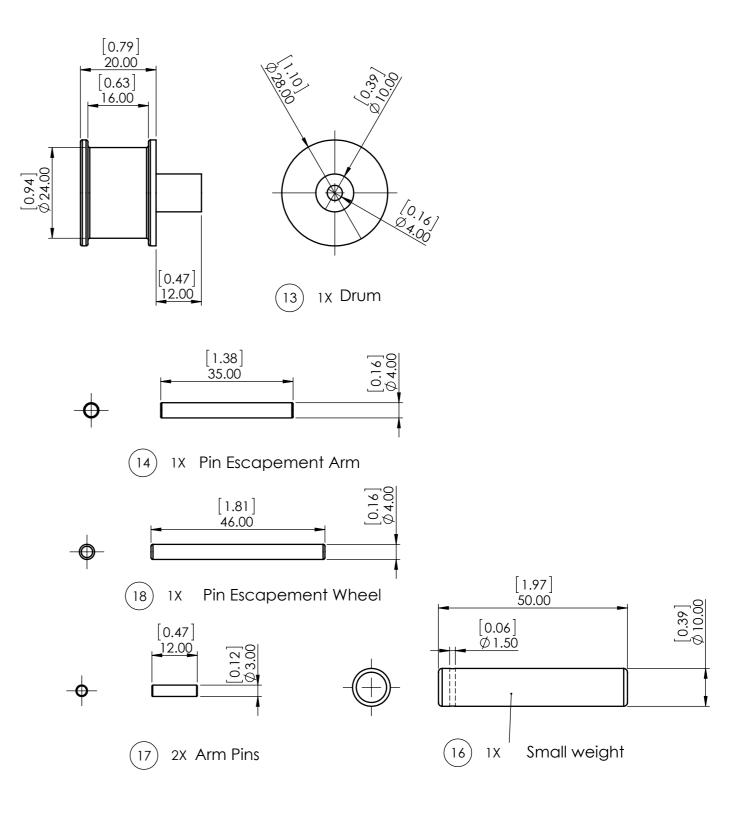
Sht 1 of 4Shts A3	Law Wooden Grasshopper Escapement	General Assembly
Not to Scale	All dimensions in mm and (inchs)	December 2012 Designed by: Brian law www.woodenclocks.co.uk











Sht 4 of 4 Shts	Law Wooden Grasshopper Escapement	Detail Parts
Not to Scale UOS Unless otherwise stated	All dimensions in mm and (inchs) 3rd Angle projection	Designed by: Brian law December 2012 www.woodenclocks.co.uk

