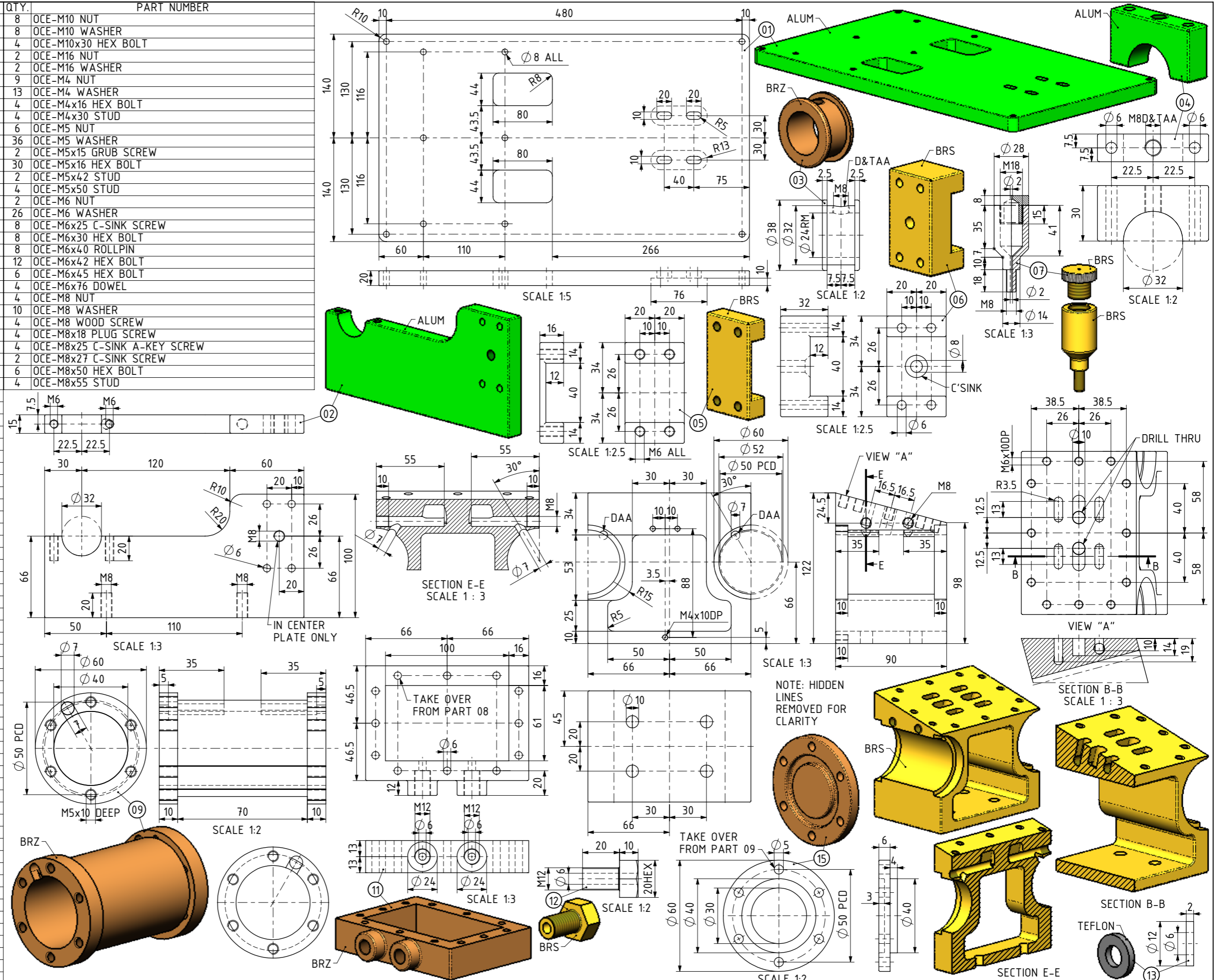


QTY.	PART NUMBER	QTY.	PART NUMBER
1	OCE-01-BASE MOUNTING PLATE	8	OCE-M10 NUT
2	OCE-02-CRANK SHAFT MAIN BEARING HOUSING	8	OCE-M10 WASHER
1	OCE-02-CRANK SHAFT MAIN BEARING HOUSING	4	OCE-M10x30 HEX BOLT
3	OCE-03-CRANK SHAFT MAIN BEARING	2	OCE-M16 NUT
3	OCE-04-CRANK SHAFT MAIN BEARING CAP	2	OCE-M16 WASHER
2	OCE-05-MAIN BEARING HOUSING OUTER GUIDE BAR	9	OCE-M4 NUT
2	OCE-06-MAIN BEARING HOUSING INNER GUIDE BAR	13	OCE-M4 WASHER
3	OCE-07-CRANK SHAFT MAIN BEARING CAP OILER CUP	4	OCE-M4x16 HEX BOLT
1	OCE-08-CYLINDER COSOLE AND PORT BLOCK	4	OCE-M4x30 STUD
2	OCE-09-CYLINDER	6	OCE-M5 NUT
1	OCE-11-VALVE CHEST	36	OCE-M5 WASHER
2	OCE-12-VALVE CHEST GLAND	2	OCE-M5x15 GRUB SCREW
2	OCE-13-VALVE CHEST GLAND SEAL	30	OCE-M5x16 HEX BOLT
1	OCE-14-VALVE CHEST COVER	2	OCE-M5x42 STUD
2	OCE-15-CYLINDER FRONT COVER	4	OCE-M5x50 STUD
2	OCE-16-CYLINDER REAR COVER	2	OCE-M6 NUT
2	OCE-17-CYLINDER REAR COVER GLAND	26	OCE-M6 WASHER
2	OCE-18-CYLINDER REAR COVER GLAND SEAL	8	OCE-M6x25 C-SINK SCREW
1	OCE-19-FLYWHEEL CENTRE	8	OCE-M6x30 HEX BOLT
1	OCE-20-FLYWHEEL INNER RIM	8	OCE-M6x40 ROLLPIN
1	OCE-21-FLYWHEEL OUTER RIM	12	OCE-M6x42 HEX BOLT
6	OCE-22-FLYWHEEL SPOKE	6	OCE-M6x45 HEX BOLT
1	OCE-23-PULLEY CENTRE	4	OCE-M6x76 DOWEL
1	OCE-24-PULLEY INNER RIM	4	OCE-M8 NUT
1	OCE-25-PULLEY OUTER RIM	10	OCE-M8 WASHER
6	OCE-26-PULLEY SPOKE	4	OCE-M8 WOOD SCREW
1	OCE-27-GOVERNOR PULLEY	4	OCE-M8x18 PLUG SCREW
1	OCE-28-CRANK SHAFT FLYWHEEL END	4	OCE-M8x25 C-SINK A-KEY SCREW
1	OCE-29-CRANK SHAFT PULLEY END	2	OCE-M8x27 C-SINK SCREW
1	OCE-30-CRANK SHAFT CENTER PIECE	6	OCE-M8x50 HEX BOLT
2	OCE-31-CRANK SHAFT CRANK PIN	4	OCE-M8x55 STUD
4	OCE-32-CRANK CHEEK		
1	OCE-33-SPACER FLYWHEEL END		
1	OCE-34-SPACER PULLEY END		
2	OCE-35-PISTON		
2	OCE-36-PISTON ROD		
2	OCE-37-PISTON ROD CROSS HEAD		
4	OCE-38-RETURN CON-ROD		
2	OCE-39-RETURN CON-ROD CONNECTOR END		
2	OCE-40-GUDGION PIN		
4	OCE-41-RETEURN CON-ROD GUIDE SPACER		
2	OCE-42-CON-ROD BIG END CAP		
2	OCE-43-CON-ROD		
4	OCE-44-CON-ROD BIG END BEARING		
2	OCE-45-CON-ROD SMALL END BEARING		
2	OCE-46-M6 CON-ROD BEARING LOCK SCREW		
2	OCE-47-SLIDE VALVE		
2	OCE-48-SLIDE VALVE CROSS BAR NUT		
2	OCE-49-SLIDE VALVE STEM		
2	OCE-50-SLIDE VALVE STEM COUPLING END		
2	OCE-51-ECCENTRIC SHEAVE		
4	OCE-52-ECCENTRIC BEARING SHELL		
2	OCE-53-ECCENTRIC STRAP		
1	OCE-54-BUTTERFLY VALVE BODY		
1	OCE-55-BUTTERFLY VALVE GLAND		
1	OCE-56-BUTTERFLY VALVE GLAND SEAL		
1	OCE-57-BUTTERFLY VALVE		
1	OCE-58-BUTTERFLY VALVE STEM		
1	OCE-59-BUTTERFLY VALVE CONTROL LINK ARM		
1	OCE-60-STOP VALVE BODY		
1	OCE-61-STOP VALVE TOP PLATE		
1	OCE-62-STOP VALVE STEM SEAL		
2	OCE-63-STOP VALVE TOP PLATE SPACER		
1	OCE-64-STOP VALVE BRIDGE		
1	OCE-65-STOP VALVE STEM		
1	OCE-66-STOP VALVE HAND WHEEL		
1	OCE-67-STOP VALVE INLET PIPE		
1	OCE-68-GOVERNOR MOUNTING BRACKET		
2	OCE-69-GOVERNER BALL BEARING		
2	OCE-70-GOVERNOR BEARING SPACER		
2	OCE-71-GOVERNOR GRAVITY BALL		
1	OCE-72-GOVERNOR SPINDLE		
1	OCE-73-GOVERNOR FIXED SPOOL		
1	OCE-74-GOVERNOR SLIDING SPOOL		
2	OCE-75-GOVERNOR YOKE LINK		
2	OCE-76-GOVERNOR STRAIGHT LINK		
1	OCE-77-GOVERNOR SMALL PULLEY		
1	OCE-78-GOVERNOR PRESSURE SPRING		
1	OCE-79-GOVERNOR BELT		
1	OCE-80-WOODEN BASE		



NOTES: THIS ENGINE WAS DESIGNED AND BUILT BY Mr. STEWART HART (POTTY ENGINEERING)

TITLE
OVER CRANK TYPE STEAM ENGINE
40mm BORE x 70mm STROKE

DRAWING CONTENTS
BILL OF MATERIALS
PARTS AND ASSEMBLIES

PROJECT No 09E-12-00
JDW DRAUGHTING SERVICES
 J.A.M. DE WAAL, 12 BRIGHTWELL STREET PAPA KURA 2110.
 NEW ZEALAND. PHONE: 0664 09 2988815. MOB: 0211791000
 E-MAIL: dewaal@xtra.co.nz.

PROJECTION
JDWDS
 DATE **APRIL 2014**
 SHEET:02 OF 06
 MODEL SCALE: 1:1
 DWG SCALE: 1:1 @A3 OR AS SHOWN
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 A3 No: ~~00000000~~
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 09E-12-00-SHT02