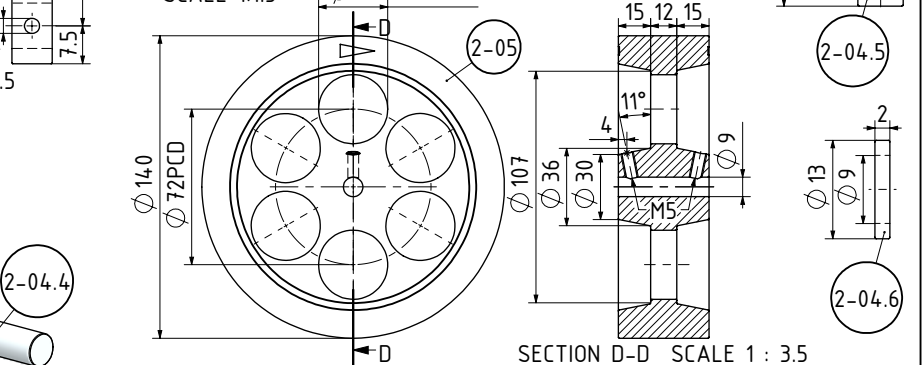
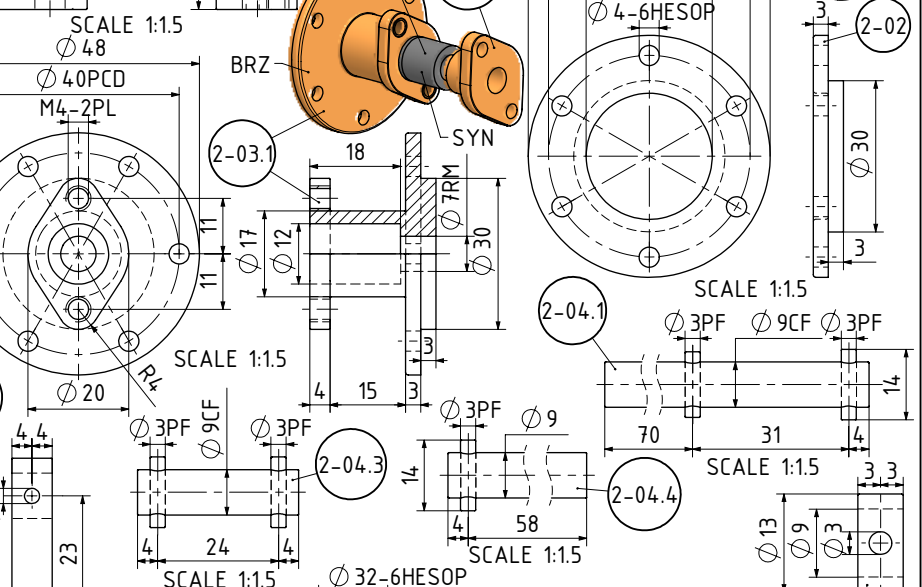
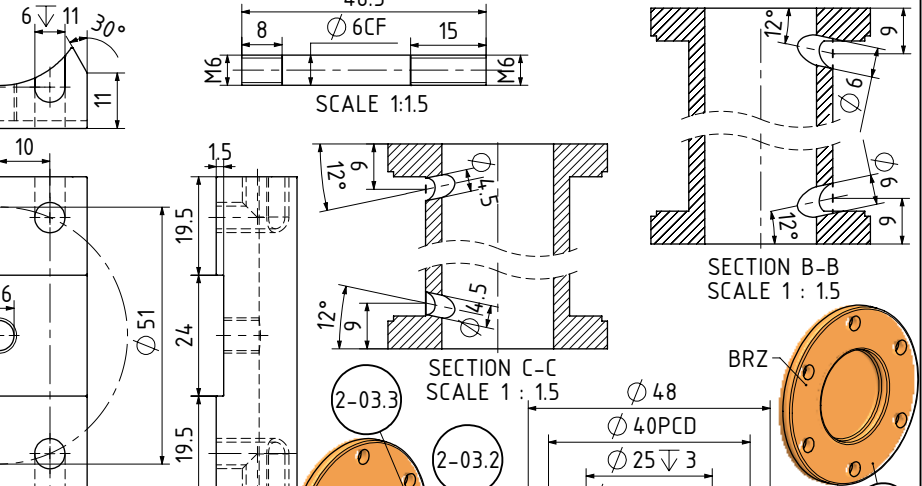
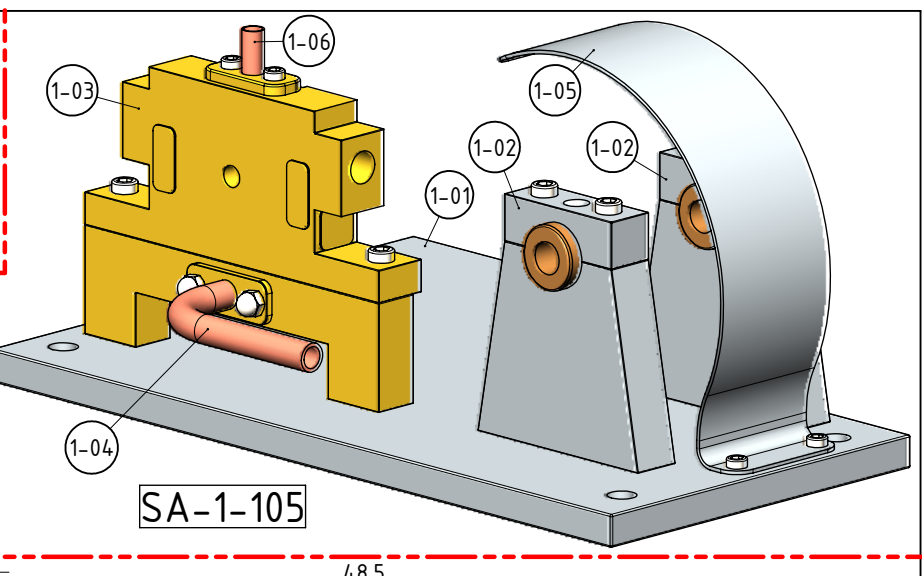
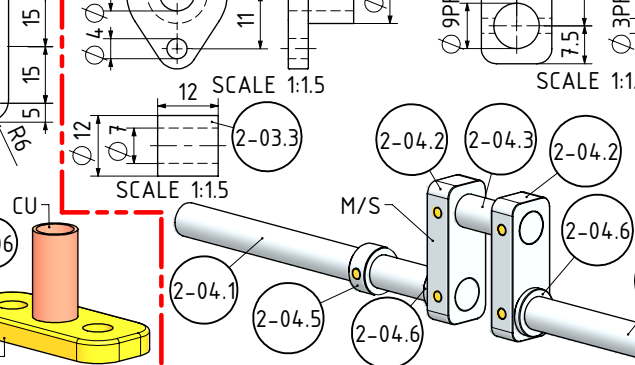
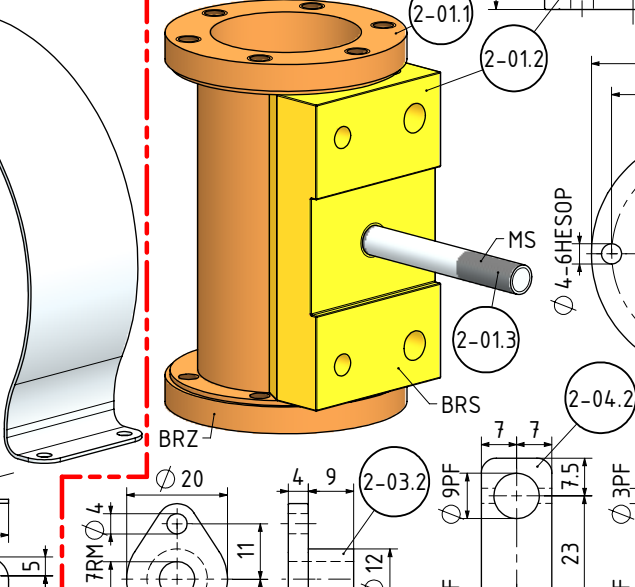
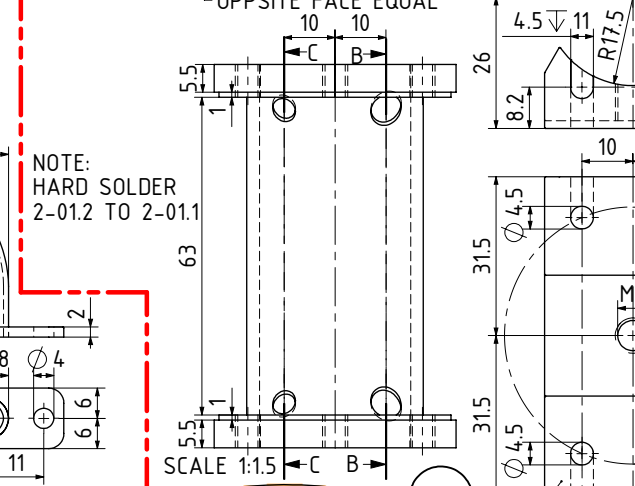
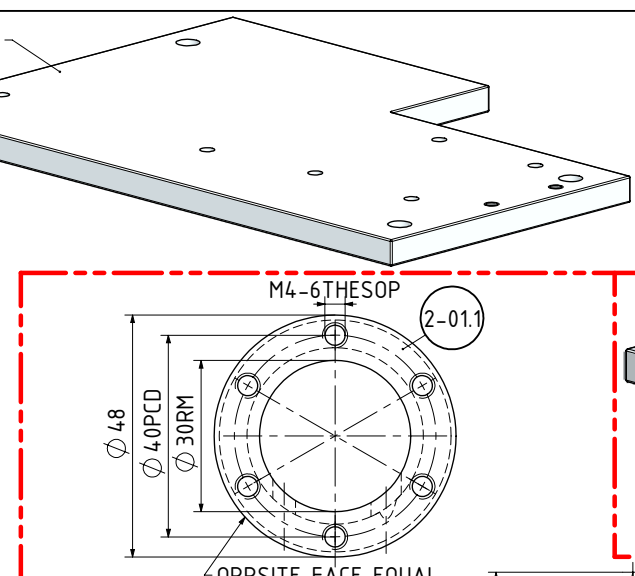
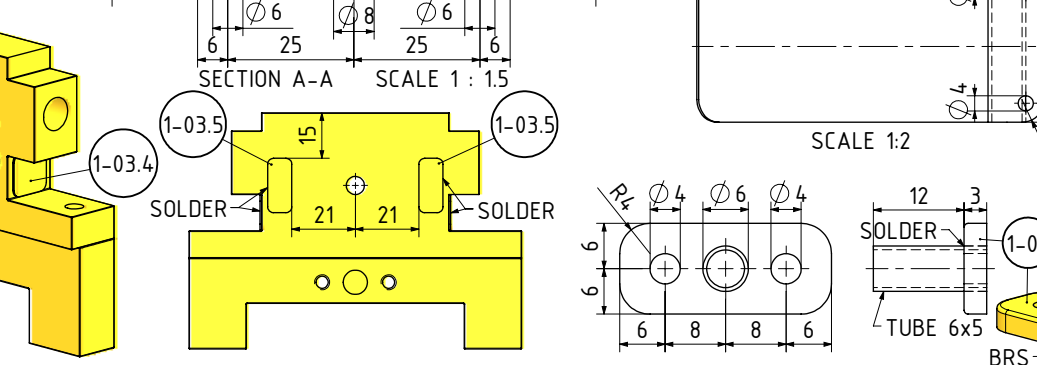
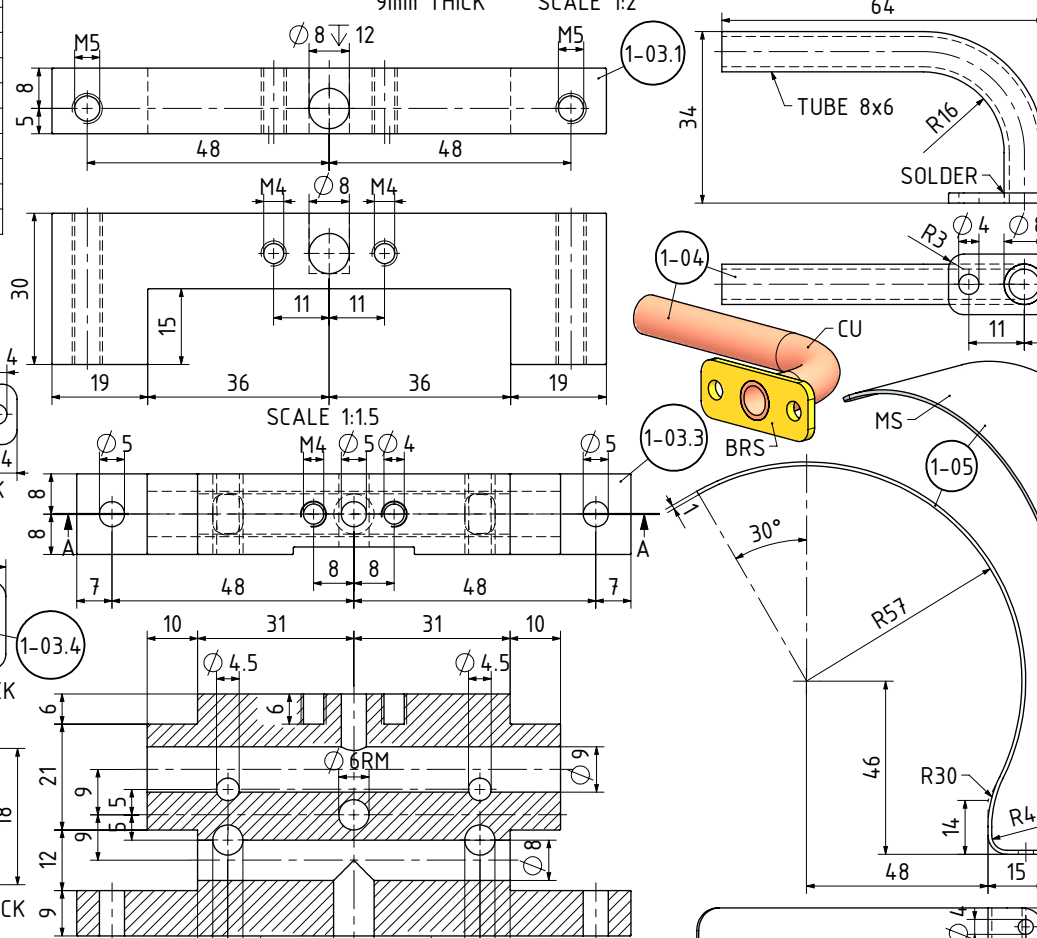
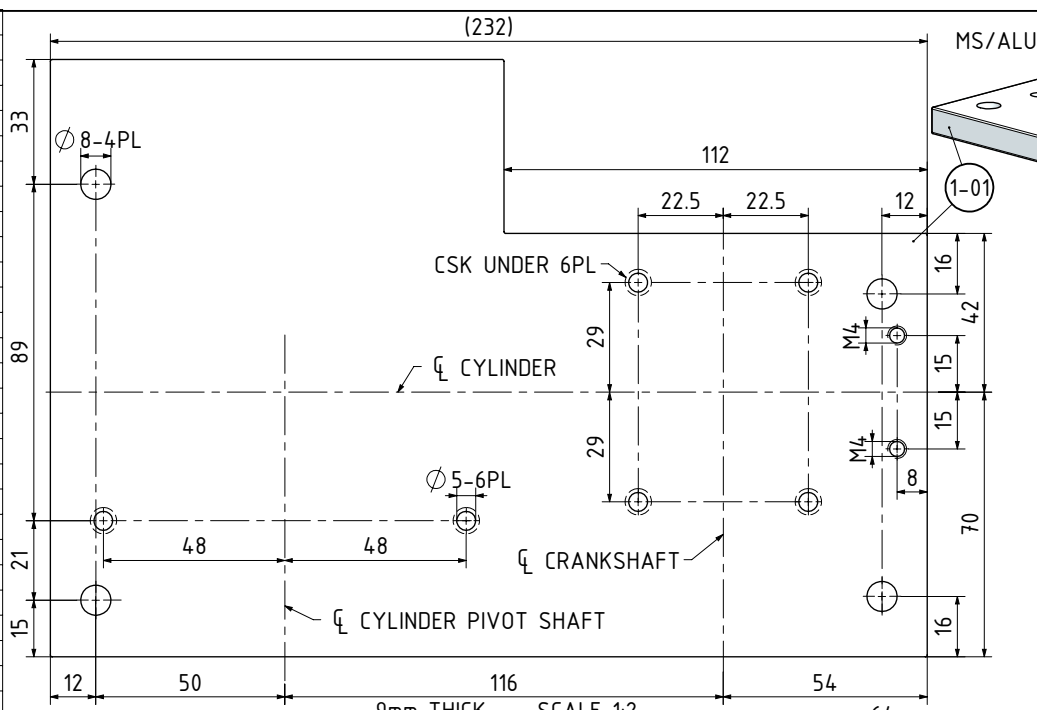
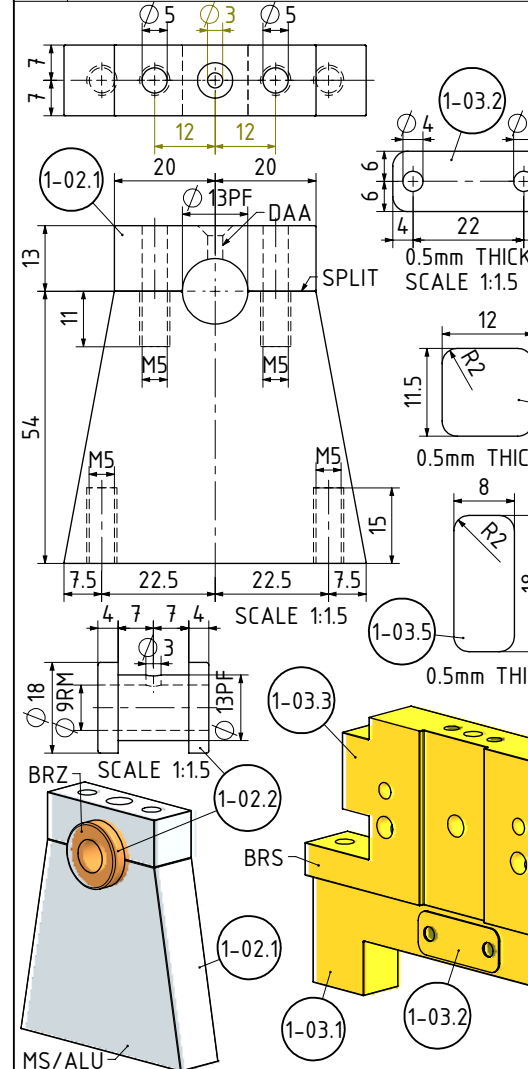


QTY.	PART NUMBER
1	09A-23-00-1-01-BASE PLATE
2	09A-23-00-1-02-MAIN BEARING BLOCK
1	09A-23-00-1-03-VALVE+PORT BLOCK
1	09A-23-00-1-04-EXHAUST PIPE
1	09A-23-00-1-05-CRANK SHAFT PROTECTOR
1	09A-23-00-1-06-STEAM INLET PIPE
1	09A-23-00-2-01-CYLINDER
1	09A-23-00-2-02-CYLINDER FRONT COVER
1	09A-23-00-2-03-CYLINDER REAR COVER
1	09A-23-00-2-04-CRANK SHAFT
1	09A-23-00-2-05-FLYWHEEL
1	09A-23-00-2-06-V-BELT PULLEY
1	09A-23-00-2-07-ECCENTRIC SHEAVE
1	09A-23-00-2-08-PISTON + ROD
1	09A-23-00-2-09-SLIDE VALVE
1	09A-23-00-2-10-ECCENTRIC STRAP
1	09A-23-00-2-11-ECCENTRIC CON-ROD
1	09A-23-00-2-12-CYLINDER PIVOT SPRING
2	09A-23-00-M4 DOME NUT
2	09A-23-00-M4 NUT
1	09A-23-00-M4 WASHER
2	09A-23-00-M4x4.5 A-K GRUB SCREW
1	09A-23-00-M4x5.5 A-K GRUB SCREW
2	09A-23-00-M4x8 A-K CYL HEAD SCREW
14	09A-23-00-M4x10 A-K CYL HEAD SCREW
1	09A-23-00-M4x12 A-K CYL HEAD SCREW
2	09A-23-00-M4x14 A-K CYL HEAD SCREW
4	09A-23-00-M4x18 A-K CYL HEAD SCREW
6	09A-23-00-M4x22 A-K C-SINK SCREW
2	09A-23-00-M4x22 A-K CYL HEAD SCREW
1	09A-23-00-M5 NUT
2	09A-23-00-M5x12 A-K GRUB SCREW
2	09A-23-00-M5x16 A-K CYL HEAD SCREW
4	09A-23-00-M5x22 A-K CYL HEAD SCREW
1	09A-23-00-M6 DOME NUT
1	09A-23-00-M6 WASHER



NOTES: THIS ENGINE WAS DESIGNED BY P.ZAAL, ORIGINAL DRAWINGS WERE DATED 30-01-1944 AND PUBLISHED IN THE "MODELBOUWER" OF APRIL 1946 PAGES 37, 38 AND 39.

TITLE
1 CYLINDER OSCILLATING DOUBLE ACTING STEAM ENGINE WITH SLIDE VALVE

DRAWING CONTENTS

BILL OF MATERIALS, PARTS AND ASSEMBLIES

PROJECT No 09A-23-00

JDW DRAUGHTING SERVICES

J.A.M. DE WAAL, 12 BRIGHTWELL STREET PAKAPURA 2110.
NEW ZEALAND. PHONE: 0664 09 2988815. MOB: 0211791000
E-MAIL: dewaal@xtra.co.nz.

PROJECTION 	<i>JDWDS</i>	MODEL SCALE: 1:1
DATE MAY 2018	DWG SCALE: 1:1 @A3 OR A5 SHOWN	
Copyright © J.A.M. DE WAAL PAKAPURA NZ		
SHEET: 02 OF 03	A3	No: 09A-23-00-SHT02