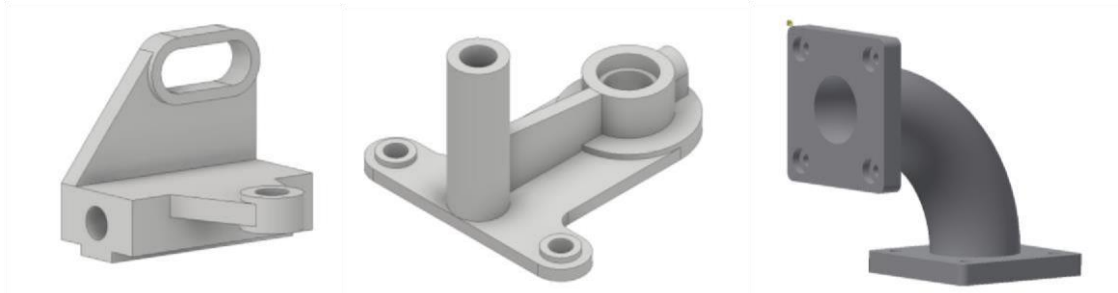




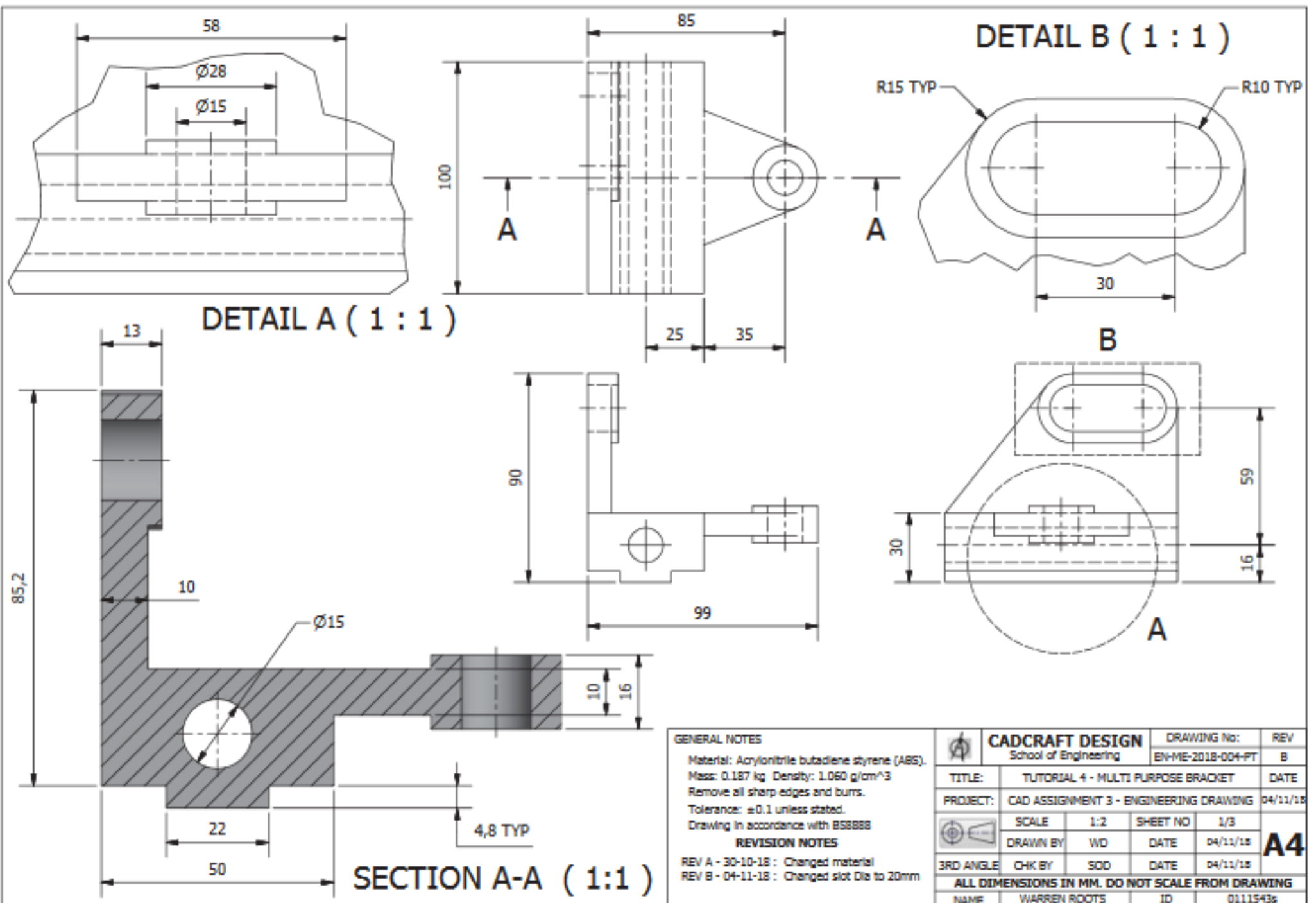
## Year 2 – SEM1: Engineering: Assignment 3



- Create a separate A4 Engineering drawing of the parts created in Tutorial 4, 6 and 8  
(Use the template you created in Assignment 2)
- Include appropriate views and annotation required to manufacture the part.  
All the drawings must comply with ISO Standards (BS8888).
- Save all 3 drawings as dwfx files for handing in.  
Assignment 3a – Drawing of Tutorial 4  
Assignment 3b – Drawing of Tutorial 6  
Assignment 3c – Drawing of Tutorial 8

Ensure that you read the course notes on standards and review the feedback section on common mistakes before handing in.

Most marks are lost for not complying to international standards.



**GENERAL NOTES**

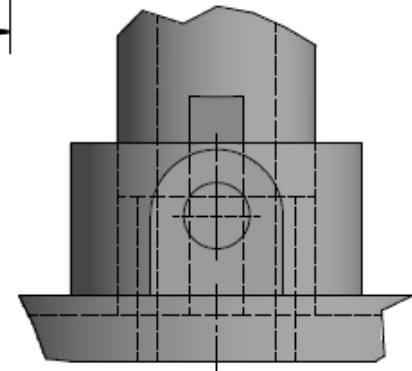
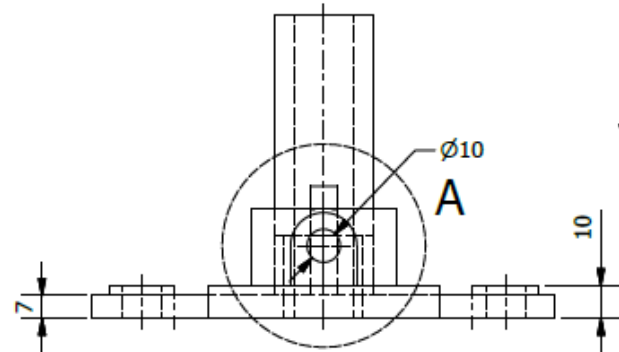
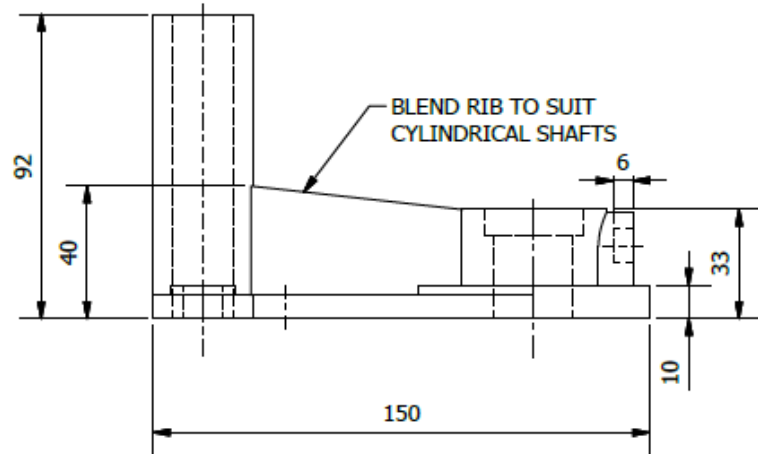
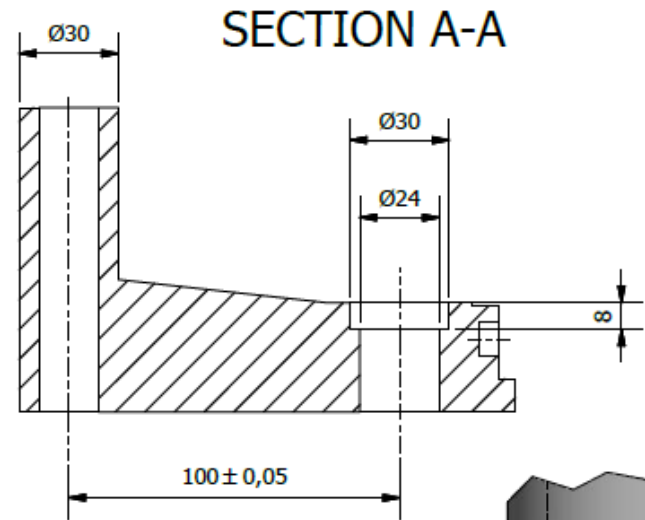
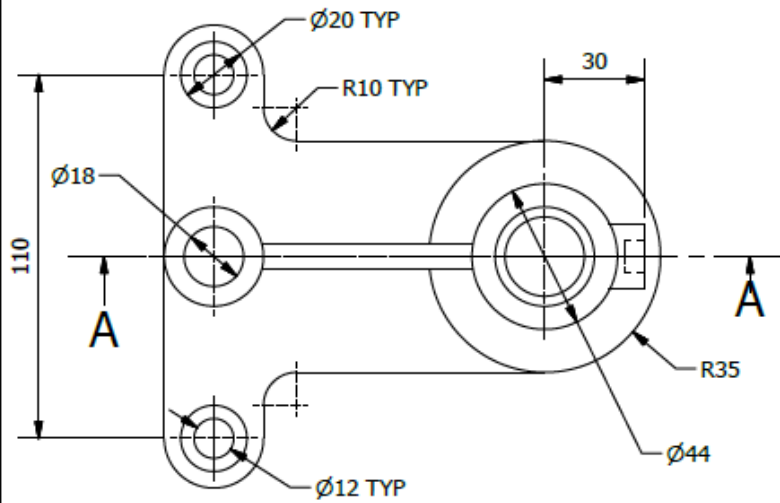
Material: Acrylonitrile butadiene styrene (ABS).  
 Mass: 0.187 kg Density: 1.060 g/cm<sup>3</sup>  
 Remove all sharp edges and burrs.  
 Tolerance:  $\pm 0.1$  unless stated.  
 Drawing in accordance with BS8888

**REVISION NOTES**

REV A - 30-10-18 : Changed material  
 REV B - 04-11-18 : Changed slot Dia to 20mm

CADCRAFT DESIGN		DRAWING No:		REV
School of Engineering		EN-ME-2018-004-PT		B
TITLE:	TUTORIAL 4 - MULTI PURPOSE BRACKET			DATE
PROJECT:	CAD ASSIGNMENT 3 - ENGINEERING DRAWING			04/11/18
	SCALE	1:2	SHEET NO	1/3
	DRAWN BY	WD	DATE	04/11/18
3RD ANGLE	CHK BY	SOD	DATE	04/11/18
<b>ALL DIMENSIONS IN MM. DO NOT SCALE FROM DRAWING</b>				
NAME	WARREN ROOTS	ID	01115436	

**A4**



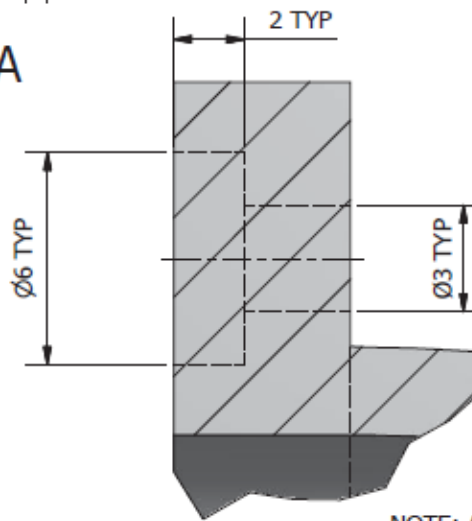
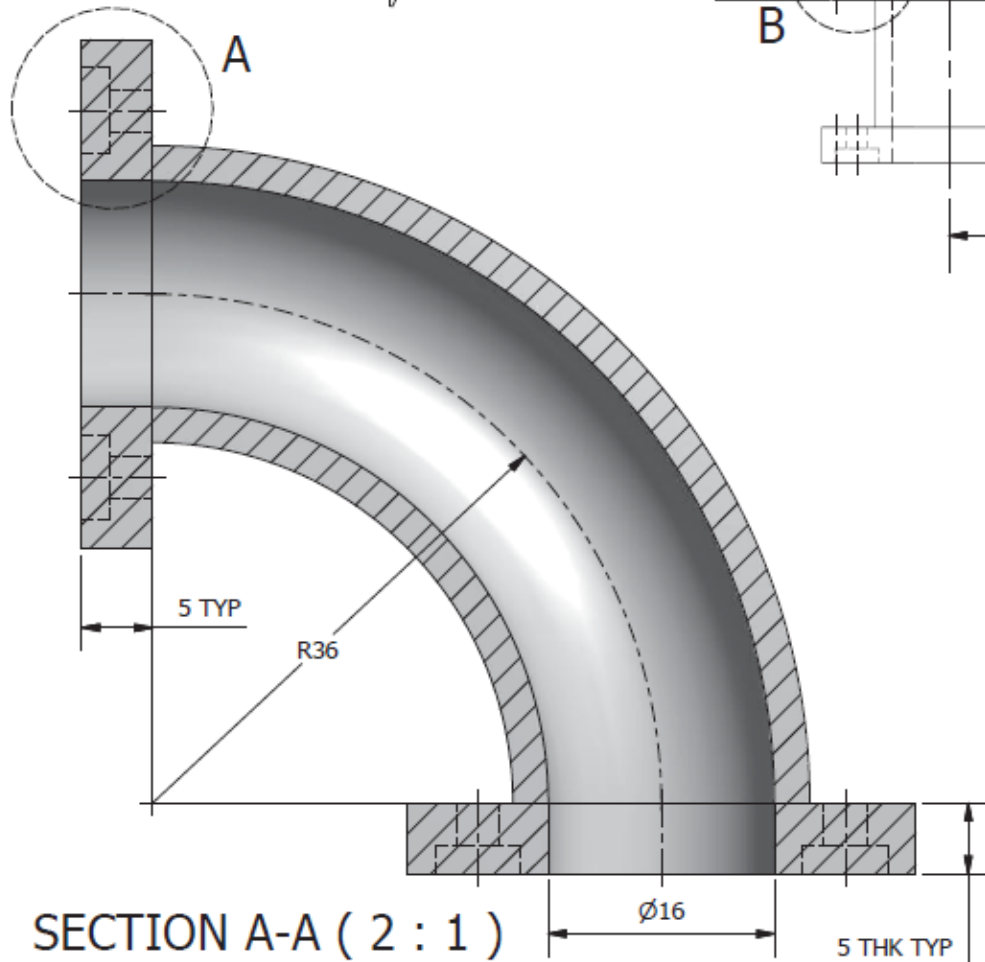
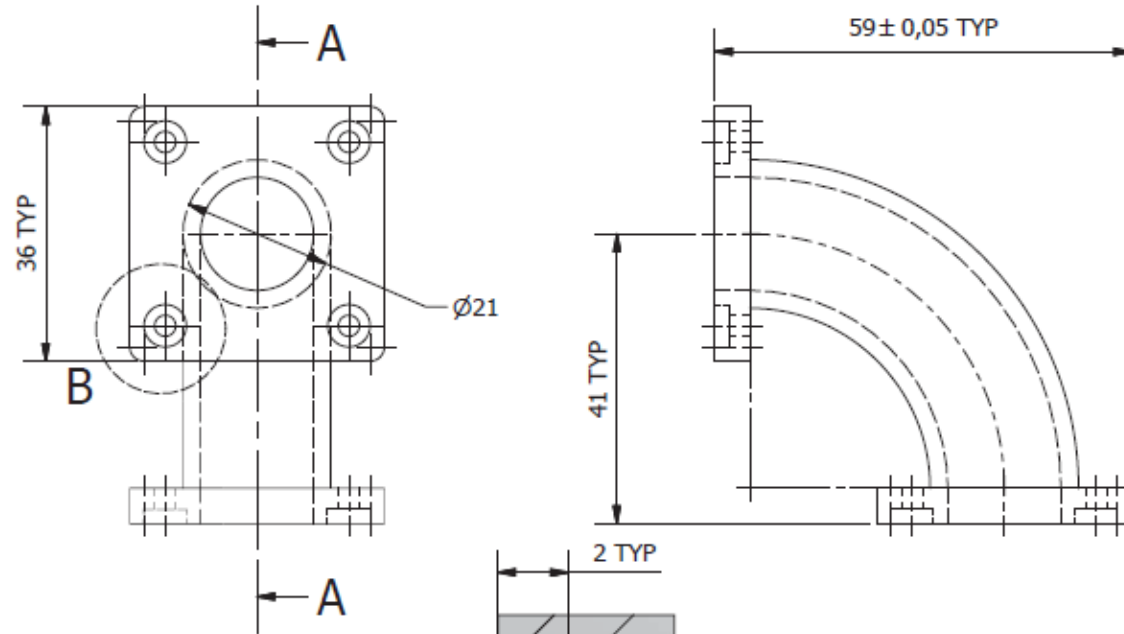
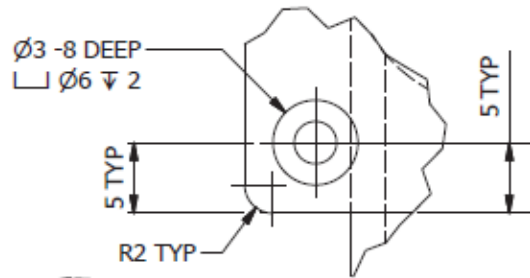
DETAIL A (1:1)

MATERIAL: STAINLESS STEEL 440 C

General Notes -  
 Material: ABS PLASTIC  
 Remove all sharp edges and burrs.  
 Tolerance ±0.1mm unless stated.  
 Drawing in accordance with BS8888.  
 FINISH: Spray Coat Ral 2019 paint.

	<b>CADCRAFT DESIGN</b> Department of Engineering Mill Gateway, Galway, Ireland +353 (0)91 502000		Drawing No: <b>ME-2018-006-PT</b>	Rev Date
	Project: <b>TUTORIAL 6: BEARING BRACKET</b>			
Title: <b>CAD ASSIGNMENT 3 - ENGINEERING DRAWING</b>				
SCALE <b>1:2</b>	DRAWN BY <b>WR</b>	DATE <b>24/11/20</b>	DATE <b>24/11/20</b>	SHEET SIZE <b>A4</b>
	CHKD BY <b>AS</b>	DATE <b>24/11/20</b>	SHEET No: <b>2/3</b>	
Do not scale from drawing. All dimensions in mm				

### DETAIL B ( 2 : 1 )



### DETAIL A ( 5 : 1 )

NOTE: ALL PLATE HOLES AS THIS SPECIFICATION

#### GENERAL NOTES

Remove all sharp edges and burrs.  
 Tolerance:  $\pm 0.1$  unless stated.  
 Drawing in accordance with BS8888

MATERIAL: PVC PIPING

	<b>CADCRAFT DESIGN</b>		DRAWING No:	REV
	School of Engineering		EN-ME-2018-008-PT	
TITLE:	TUTORIAL 6 - HIGH PRESSURE ELBOW PIPE			DATE
PROJECT:	CAD ASSIGNMENT 3 - ENGINEERING DRAWING			
	SCALE	1:1	SHEET NO	3/3
	DRAWN BY	WD	DATE	04/11/18
3RD ANGLE	CHK BY	SOD	DATE	04/11/18
ALL DIMENSIONS IN MM. DO NOT SCALE FROM DRAWING				
NAME	WARREN ROOTS	ID	0111543s	

**A4**