

Group Assignment Cover Sheet

Never Stand Still

Faculty of Engineering

School of Mechanical and Manufacturing Engineering

- Please print clearly and complete all sections. All group members must sign the declaration below.
- Before submitting this assignment, students are strongly recommended to review the course outline, assessment requirements, UNSW's [Plagiarism and Academic Integrity](#) website and [Administrative Matters](#) on the School's website.
- Please retain a copy of this assignment for your records.

Course code: MMAN2130 **Course name:** Design and Manufacturing

Course Convenor name: _____ **Assignment:** Assignment 1 - Manufacturability Review

Assignment due date: 22/10/2019 **Date submitted:** 22/10/2019

In preparing this assessment task we have followed the [Student Code Policy](#). We certify that we have read and understand the University requirements in respect of student academic misconduct outlined in the [Student Code Policy](#) and the [Student Misconduct Procedure](#). We declare that this assessment item is our own work, except where acknowledged, and has not been submitted for academic credit previously in whole or in part.

We acknowledge that the assessor of this item may, for assessment purposes:

- Provide a copy to another staff member of the University
- Communicate a copy of this assessment item to a plagiarism checking service which may then retain a copy of the assessment item on its database for the purpose of future plagiarism checking.

We have retained a copy of this, our assignment, which we can provide if necessary. By signing this declaration we are agreeing to the statements and conditions above.

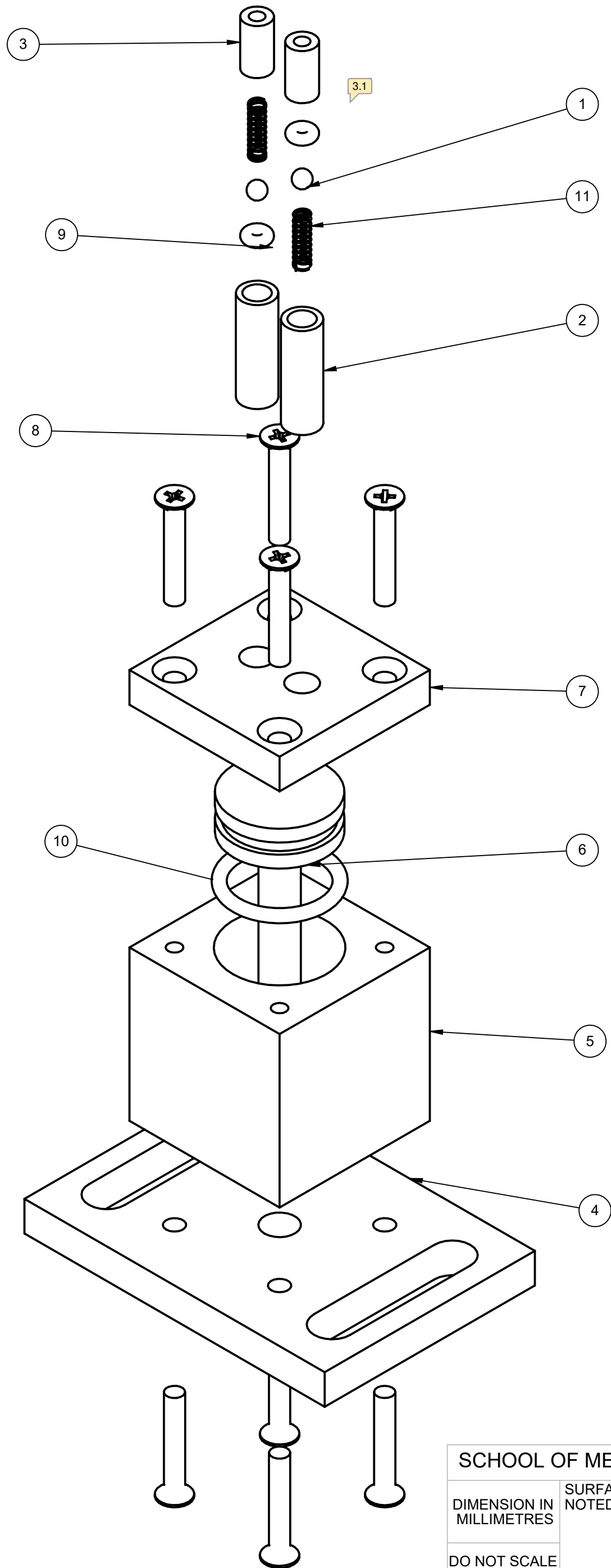
FAMILY NAME	GIVEN NAME(S)	STUDENT ID	SIGNATURE
Cunio	Alexander	5204704	<i>amcunio</i>
Gajdhar	Mohique	5204101	<i>[Signature]</i>
Clegg	Jason	5115189	<i>[Signature]</i>
Davis	Joel	5215383	<i>[Signature]</i>
Nguyen	Dan	5206032	<i>[Signature]</i>

For School use only:

Mark: _____ **Received on:** _____ **Marked by:** _____

Part Responsibilities

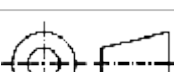
Individual	Part No.	Part Name
Alexander Cunio	1	BASE
Mohique Gajdhar	2	HOUSE
Joel Davis	3	PISTON
Jason Clegg	4	COVER
Dan Nguyen	5, 6	VALVE TOP, VALVE BTM

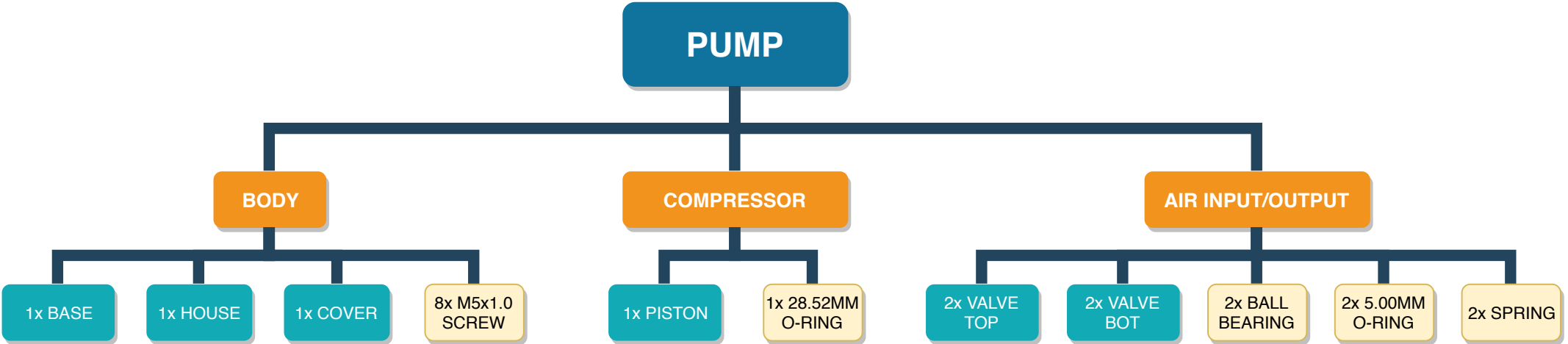


AS1100

11	-	COMPRESSION SPRING	STEEL	2
10	-	28.52MM O-RING	RUBBER	1
9	-	5.00MM O-RING	RUBBER	2
8	-	30MM M5X1.0 SCREWS	STEEL	8
7	4	COVER	ALUMINIUM	1
6	3	PISTON	ALUMINIUM	1
5	2	HOUSING	ALUMINIUM	1
4	1	BASE	ALUMINIUM	1
3	6	VALVE TOP	ALUMINIUM	2
2	5	VALVE BTM	ALUMINIUM	2
1	-	BALL BEARING	STEEL	2
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.

SCHOOL OF MECHANICAL AND MANUFACTURING ENGINEERING - UNSW

DIMENSION IN MILLIMETRES	SURFACE FINISH UNLESS NOTED OTHERWISE <div>1.6/<div></div></div>	DRAWN BY ALEXANDER (Z5204704)			TITLE PUMP		
DO NOT SCALE		CHECKED BY DAN (Z5206032)			DRAWING NUMBER 7		
		APPROVED BY MOHIQUE (Z5204101)			FIRST RELEASE DATE 21/10/2019		
	QTY	MATL	SCALE	REV	DATE	A3	
	1	ALUMINIUM	1:1	1	21/10/2019		
TOLERANCE UNLESS NOTED OTHERWISE ±0.1							



4.1

LEGEND

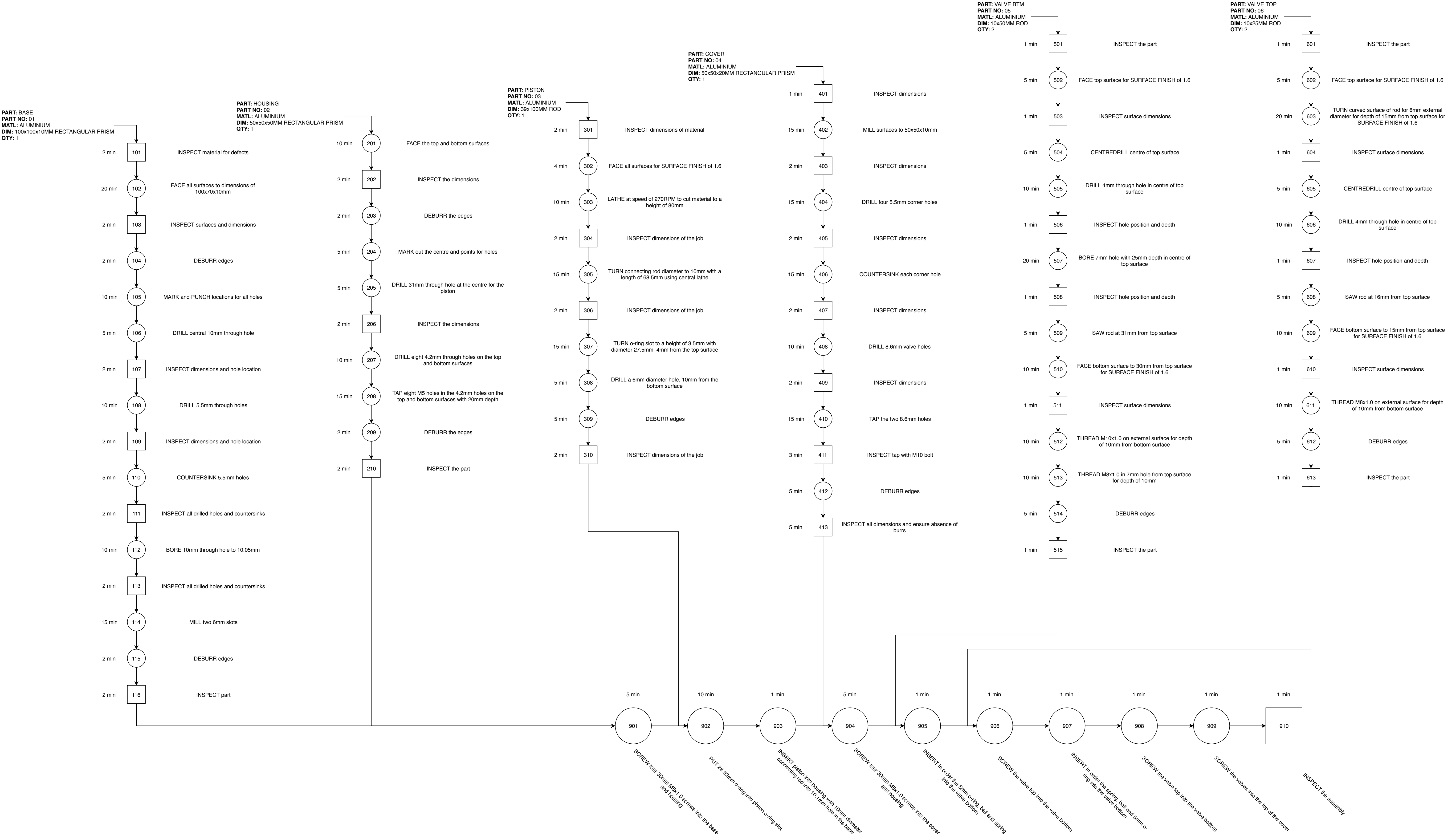
Assembly
Title

Sub-assemblies

Individual
Components

Off-the-shelf
Components

Pump Routing Chart



Index of comments

3.1	-1 Infeasible assembly
	Your o-rings will not fit
3.2	Missing centrelines
4.1	Good