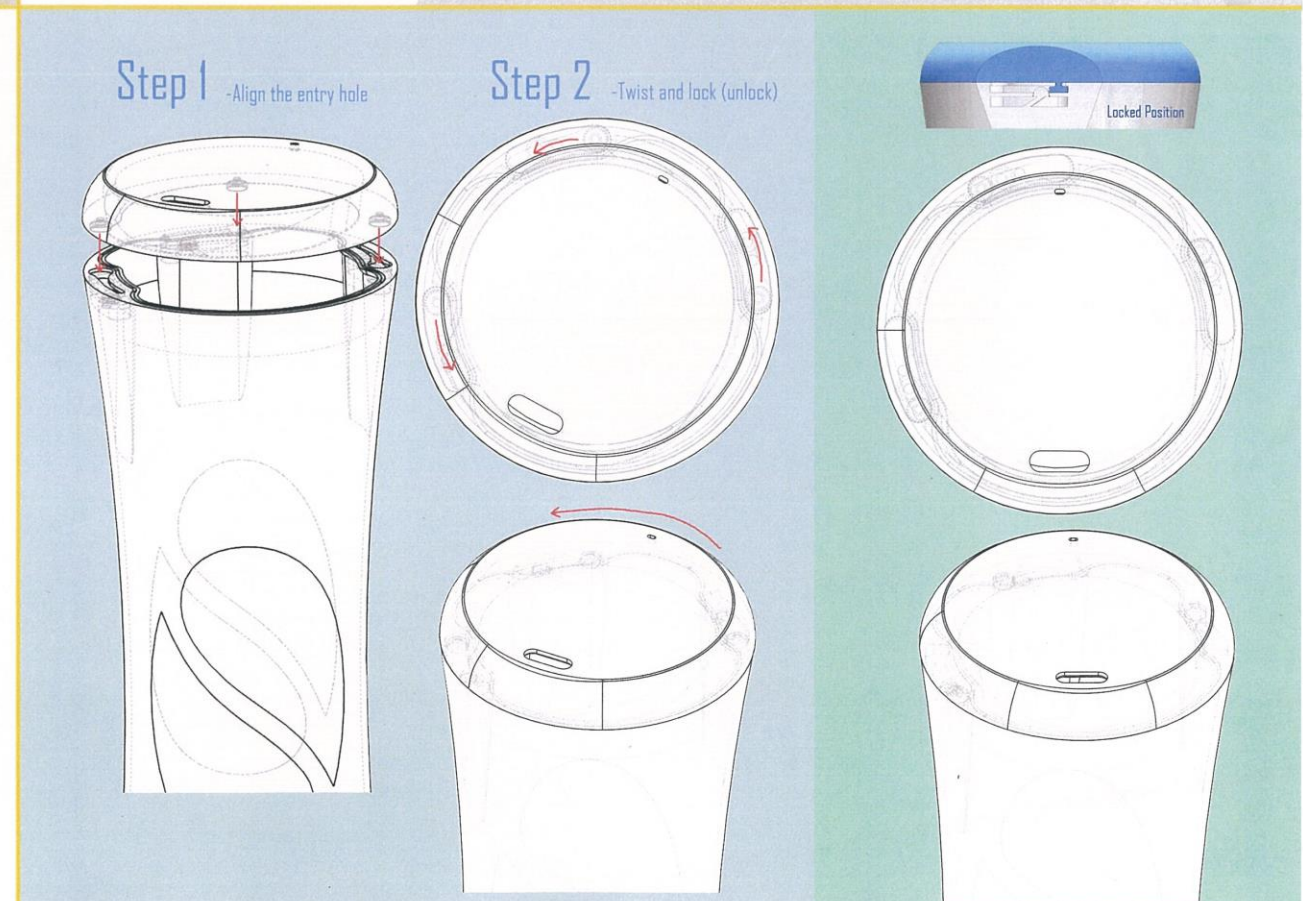
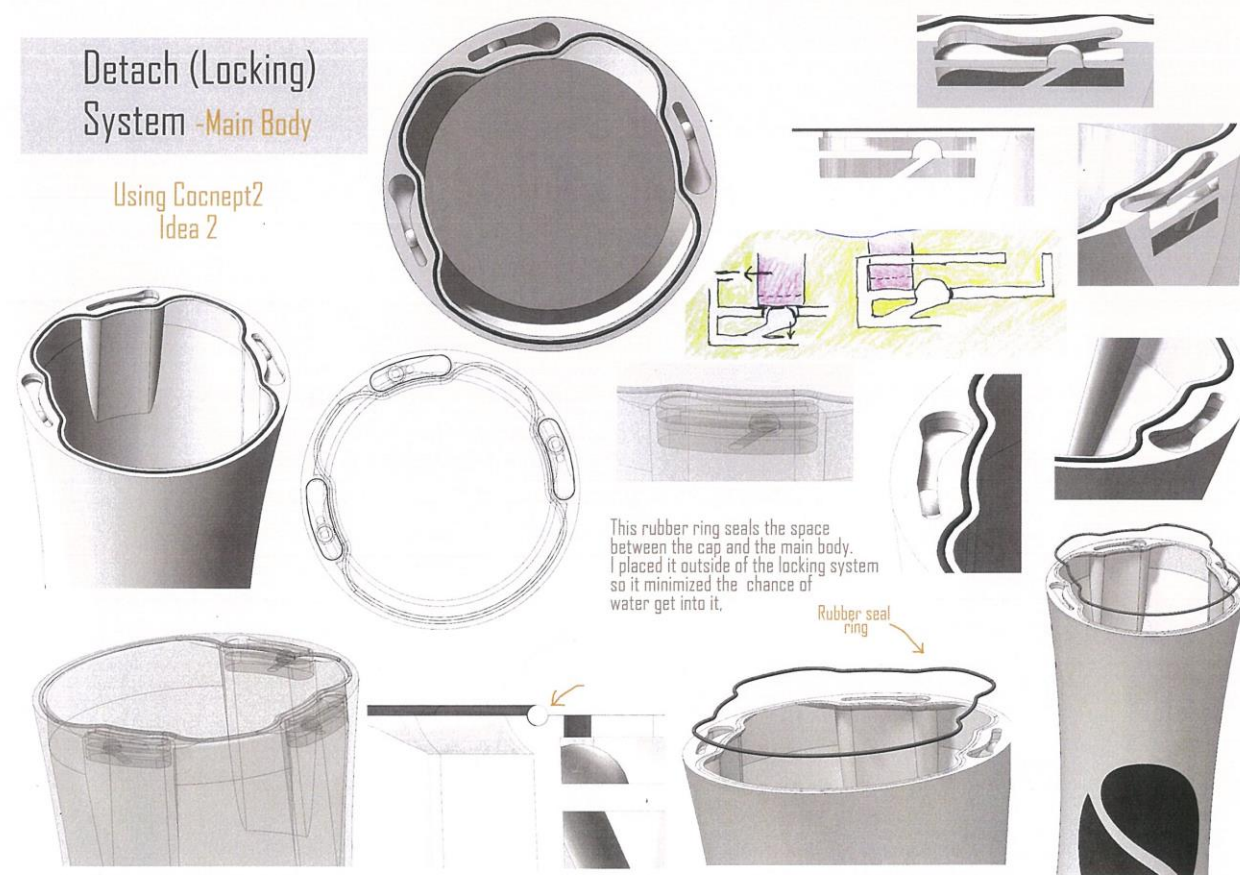
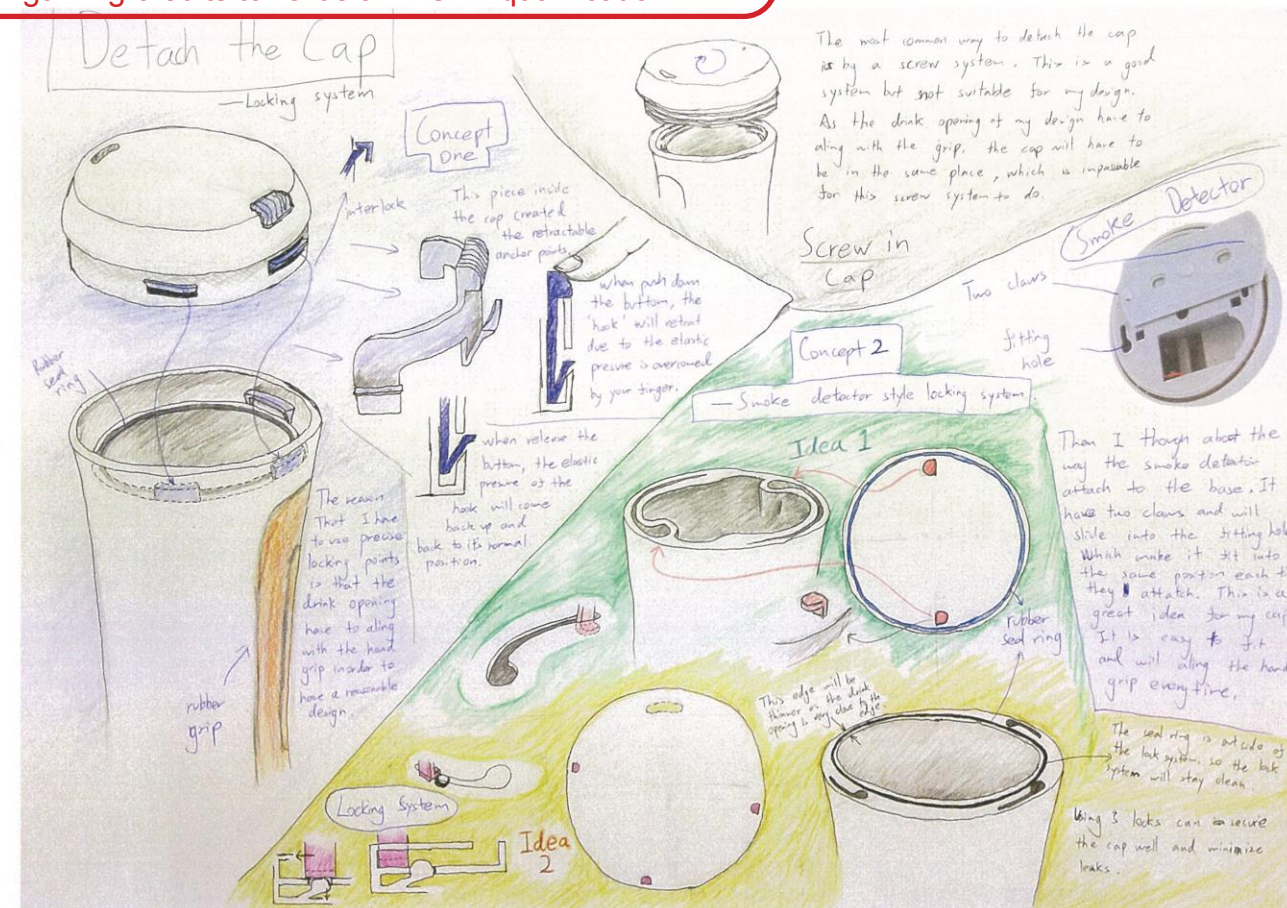
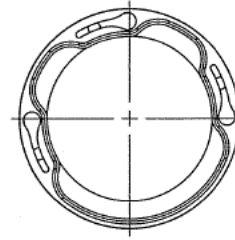


No part of the candidate evidence in this exemplar material may be presented in an external assessment for the purpose of gaining credits towards an NCEA qualification.

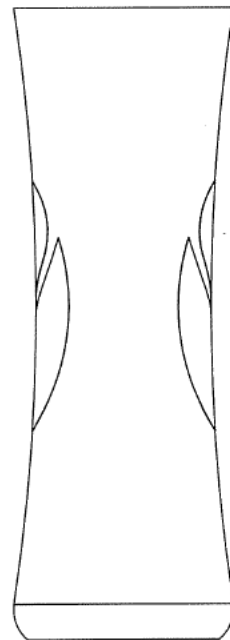




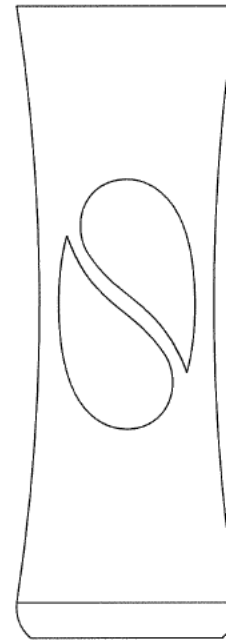
PLAN

H

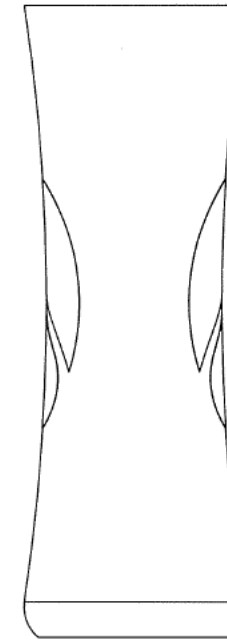
V



LEFT ELEVATION



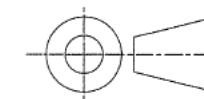
MAIN ELEVATION



RIGHT ELEVATION

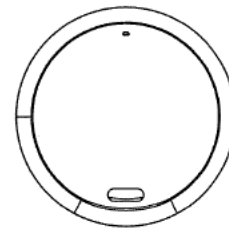
18/10/2017

BOTTLE MAIN BODY



SCALE 1:2

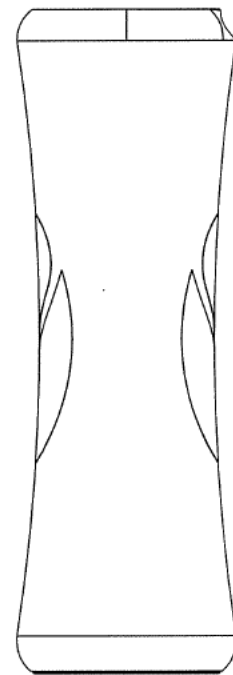
DRAWING 1



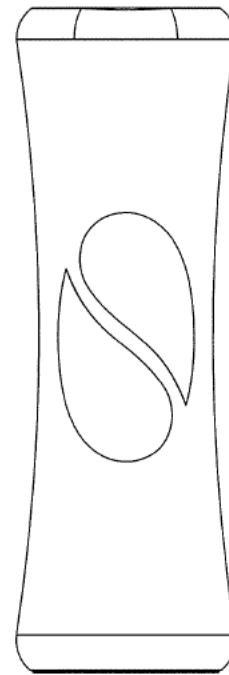
PLAN

H

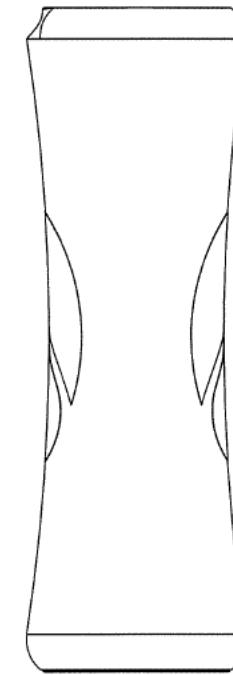
V



LEFT ELEVATION



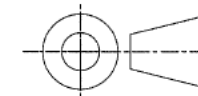
MAIN ELEVATION



RIGHT ELEVATION

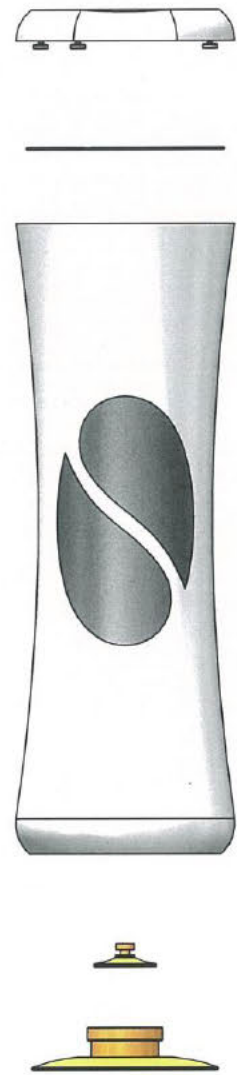
18/10/2017

BOTTLE ASSEMBLY



SCALE 1:2

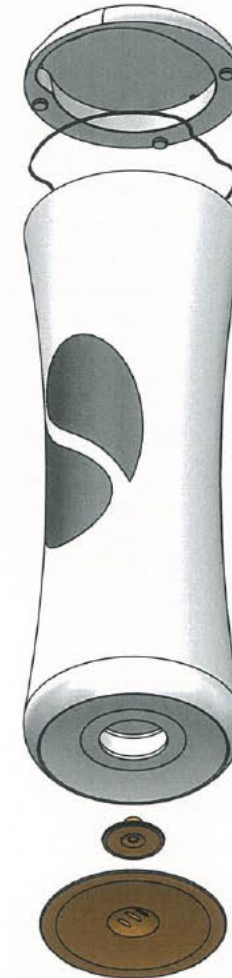
DRAWING 1



RENDERED EXPLODED
MAIN ELEVATION



RENDERED EXPLODED
ISOMETRIC



RENDERED EXPLODED
ISOMETRIC VIEW

18/10/2017

BOTTLE ASSEMBLY

SCALE 1:2

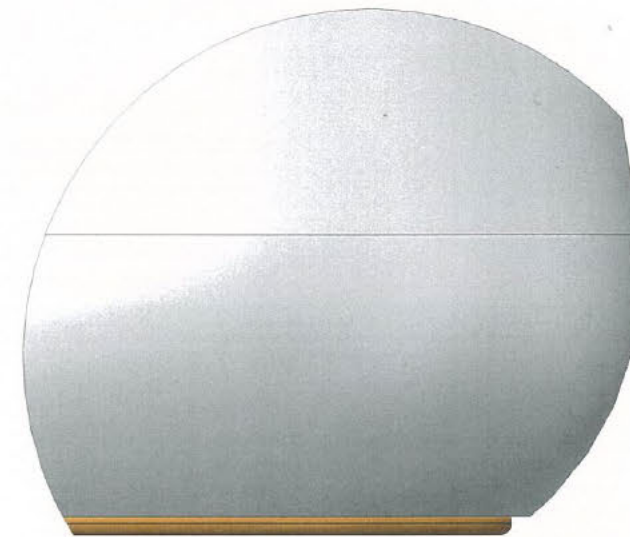
DRAWING 3



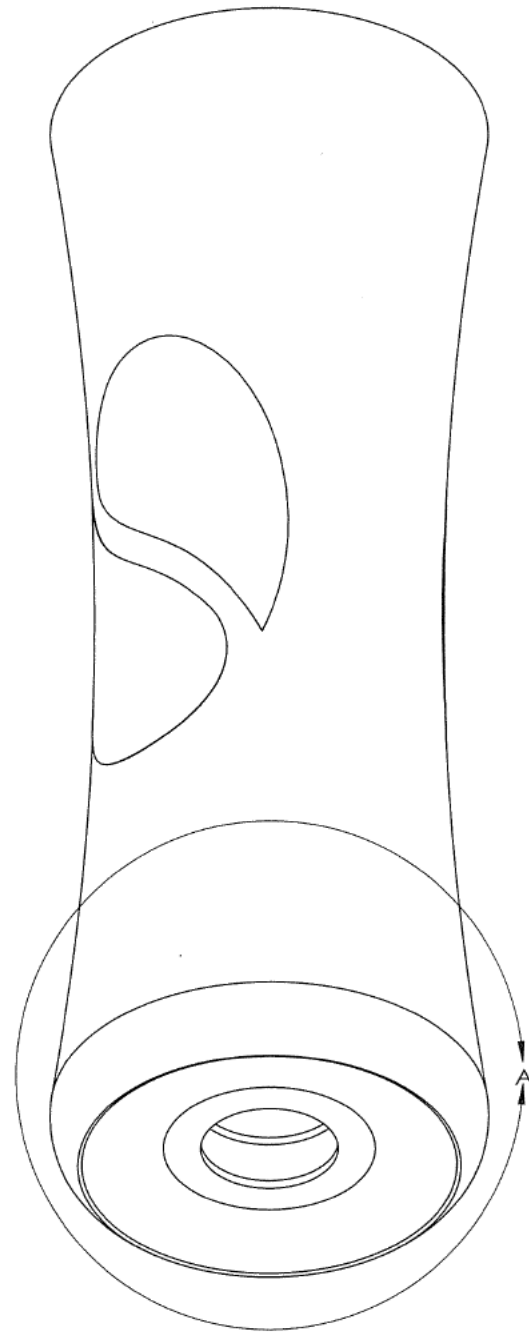
RENDERED MAIN ELEVATION
SCALE 1:1



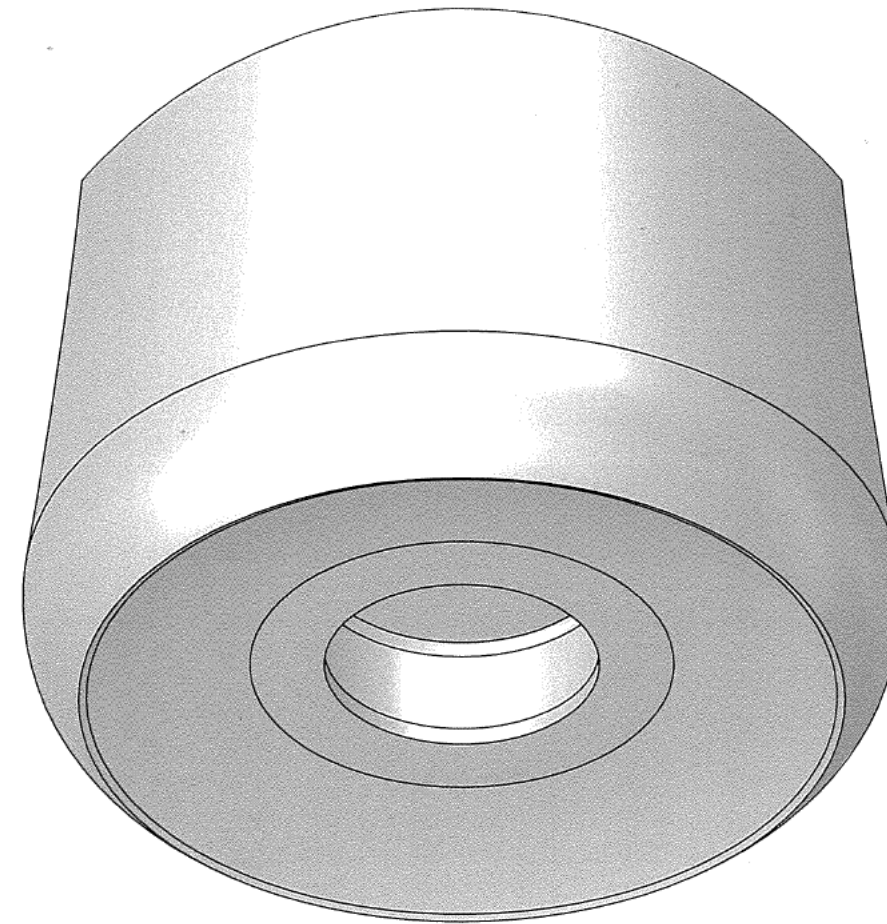
RENDERED RIGHT ELEVATION
SCALE 1:1



$\frac{A}{4:1}$ RENDERED BASE DETAIL



ISOMETRIC BOTTOM VIEW
SCALE 1:1

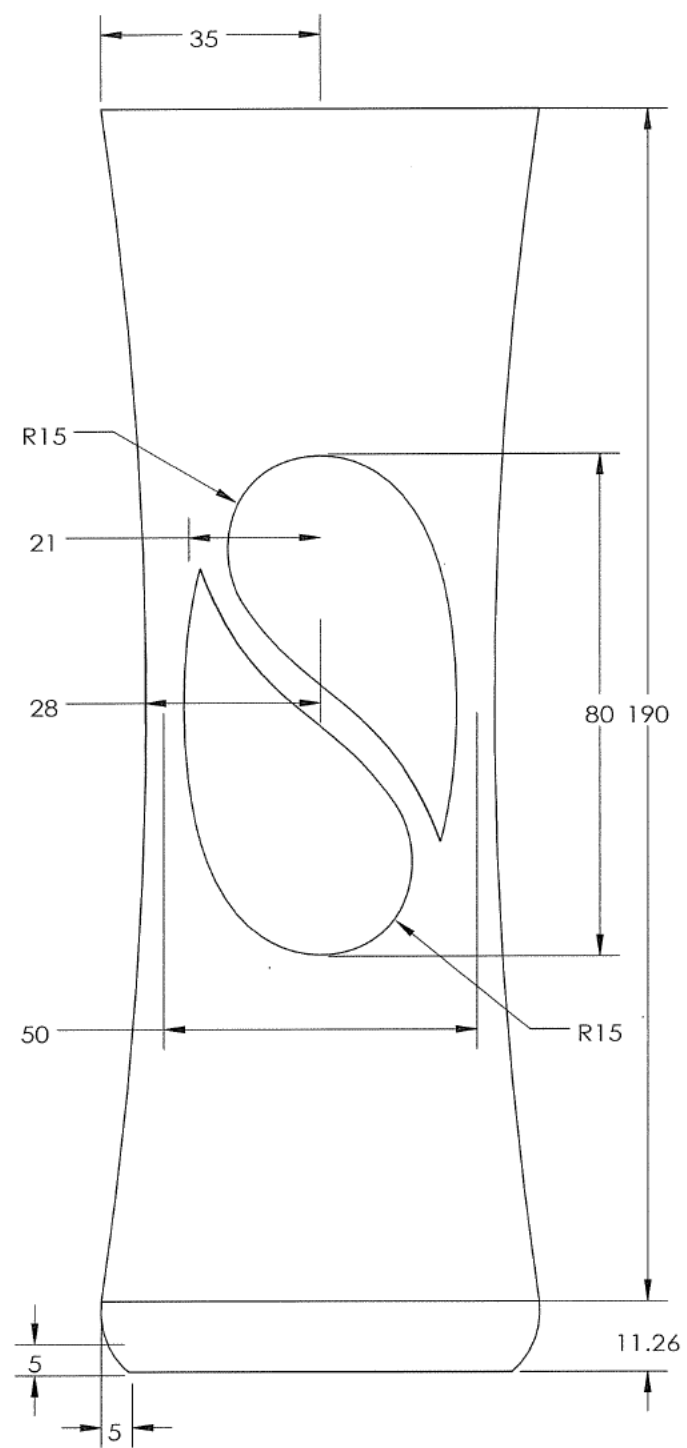


RENDERED DETAIL A
SCALE 2:1

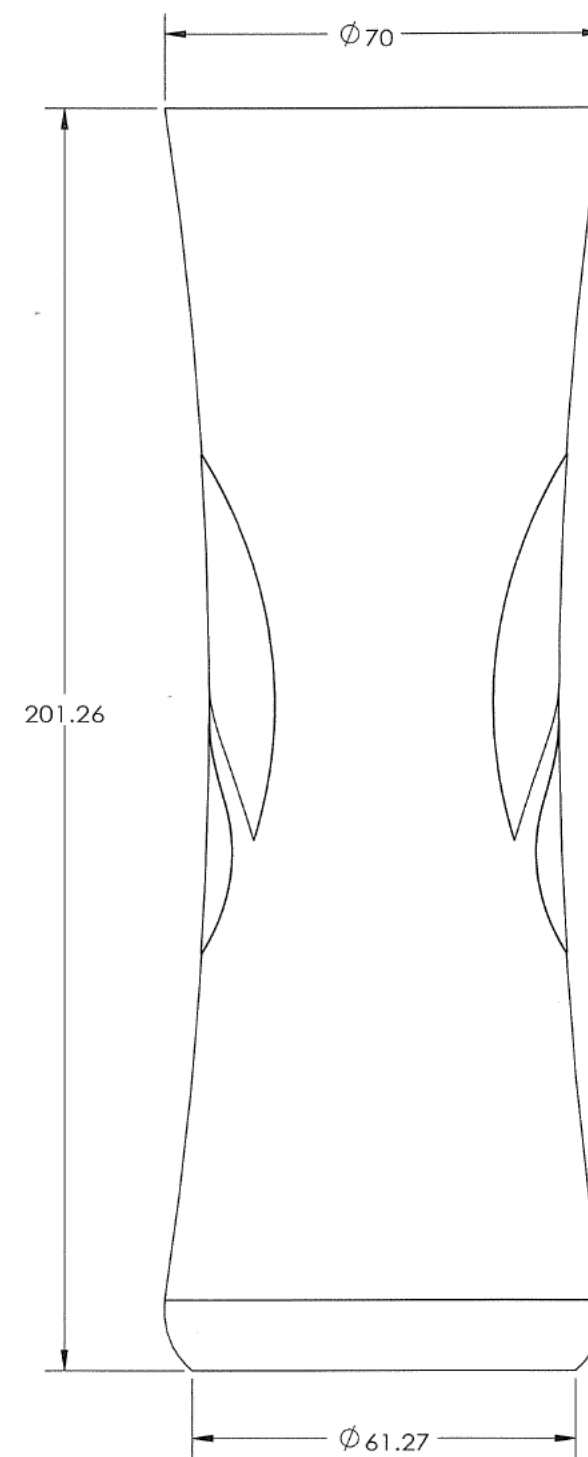
18/10/2017

BOTTLE MAIN BODY

DRAWING 3



MAIN ELEVATION



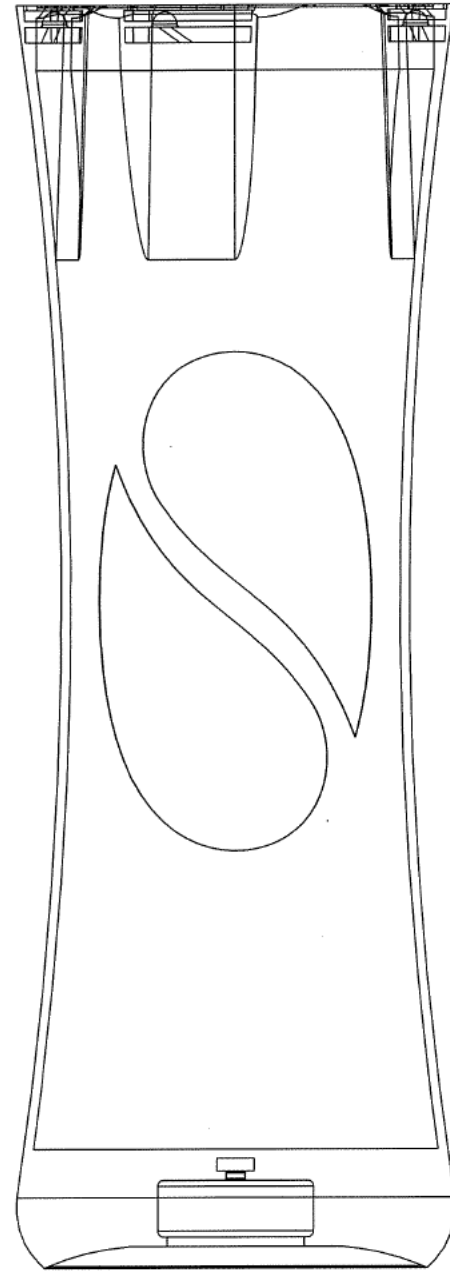
RIGHT ELEVATION

18/10/2017

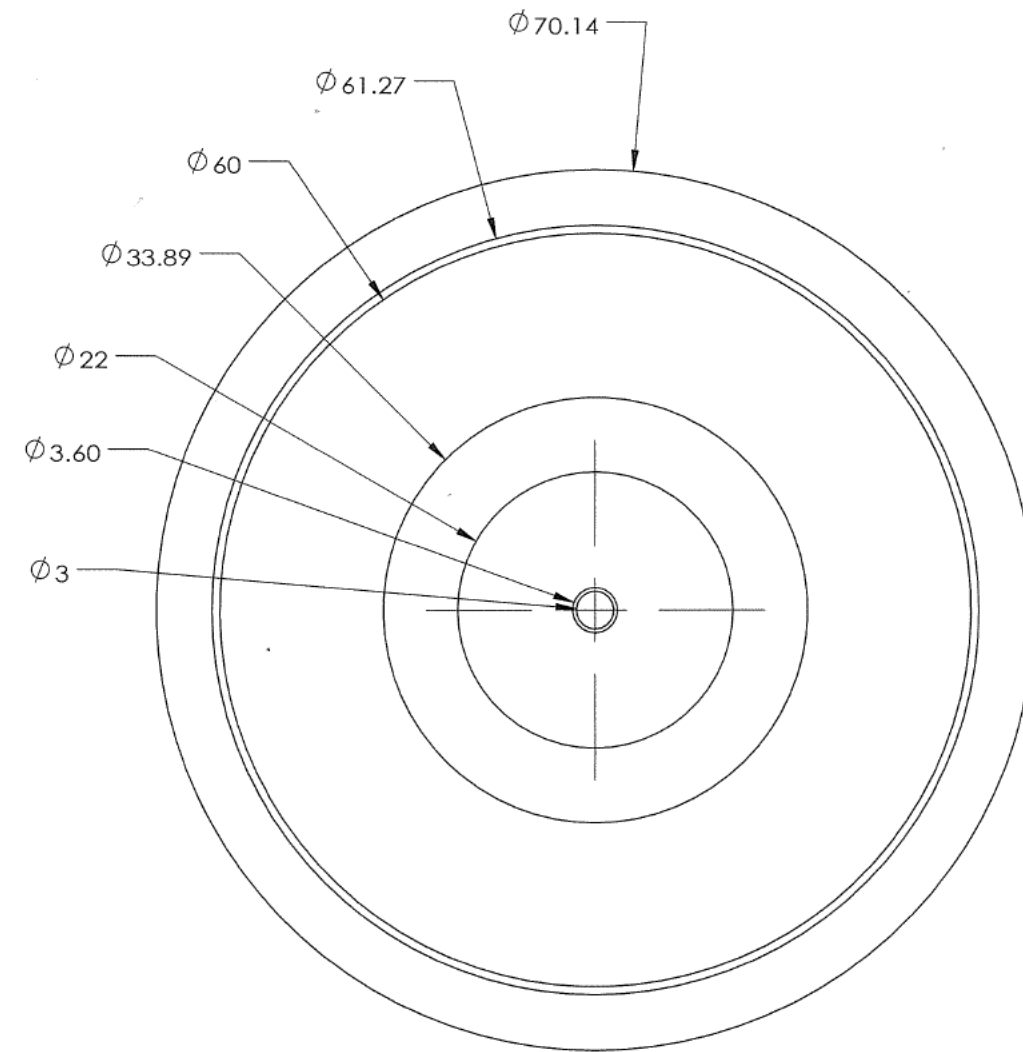
BOTTLE MAIN BODY

SCALE 1:1

DRAWING 2



WIREFRAME MAIN ELEVATION
SCALE 1:1

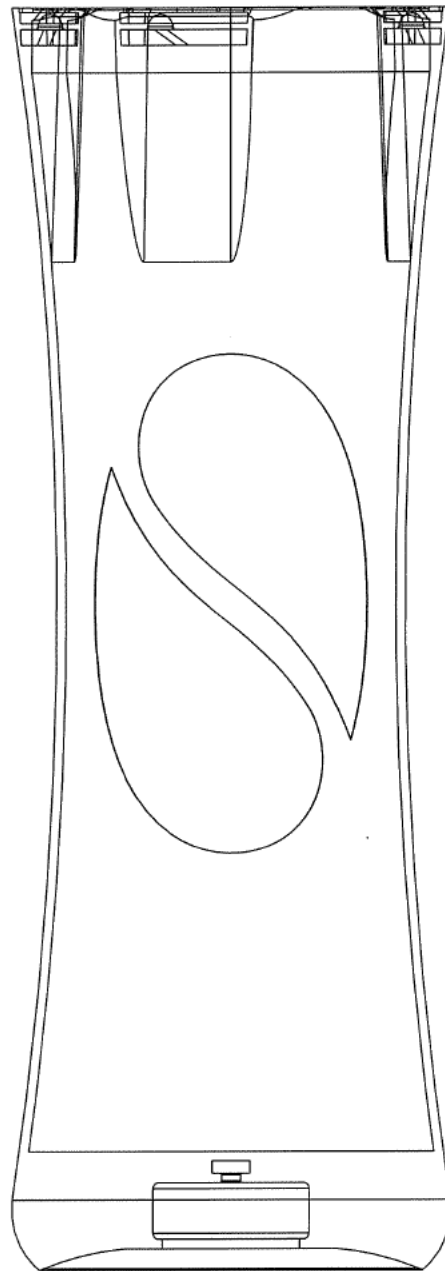


BOTTOM VIEW
SCALE 2:1

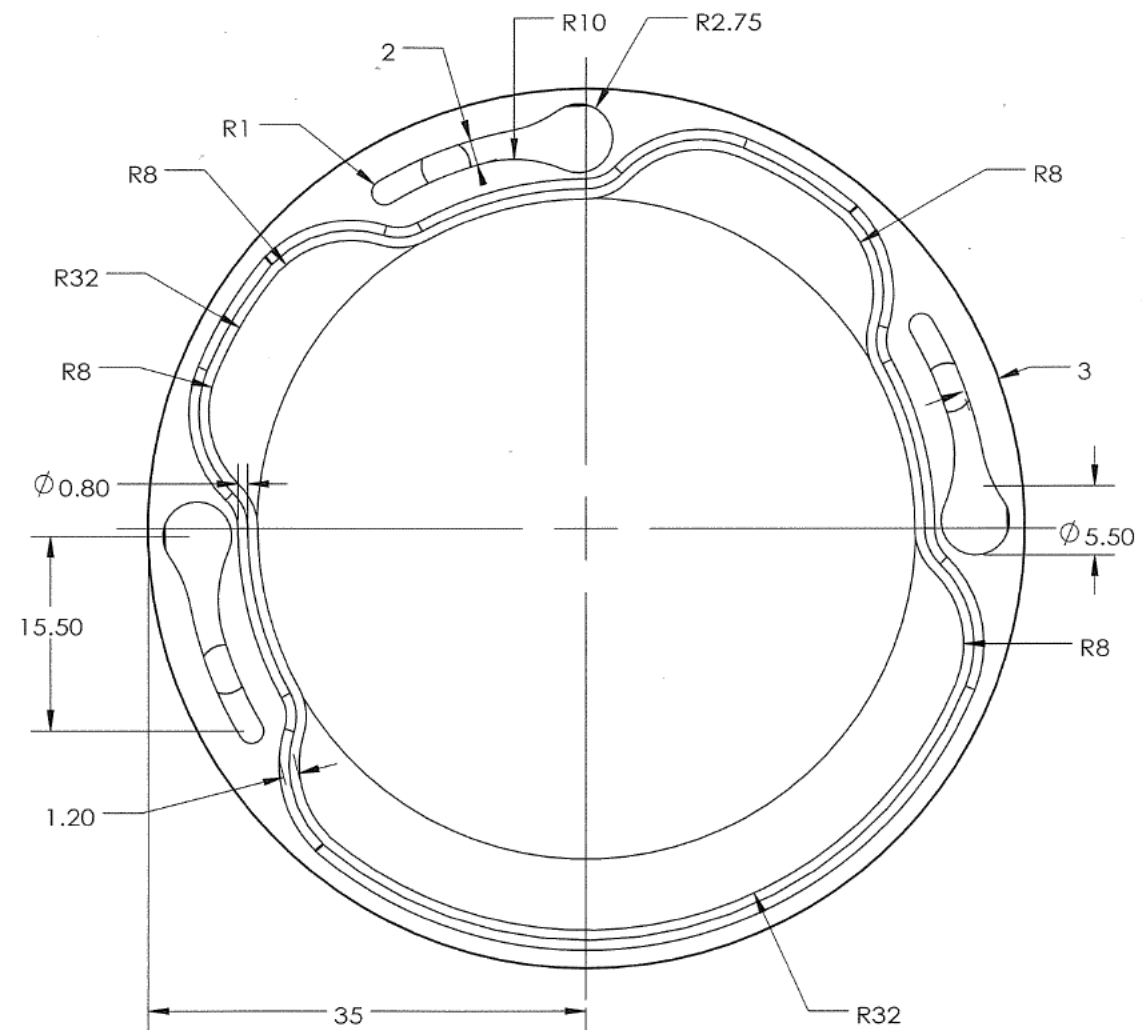
18/10/2017

BOTTLE MAIN BODY

DRAWING 5



WIREFRAME MAIN ELEVATION
SCALE 1:1

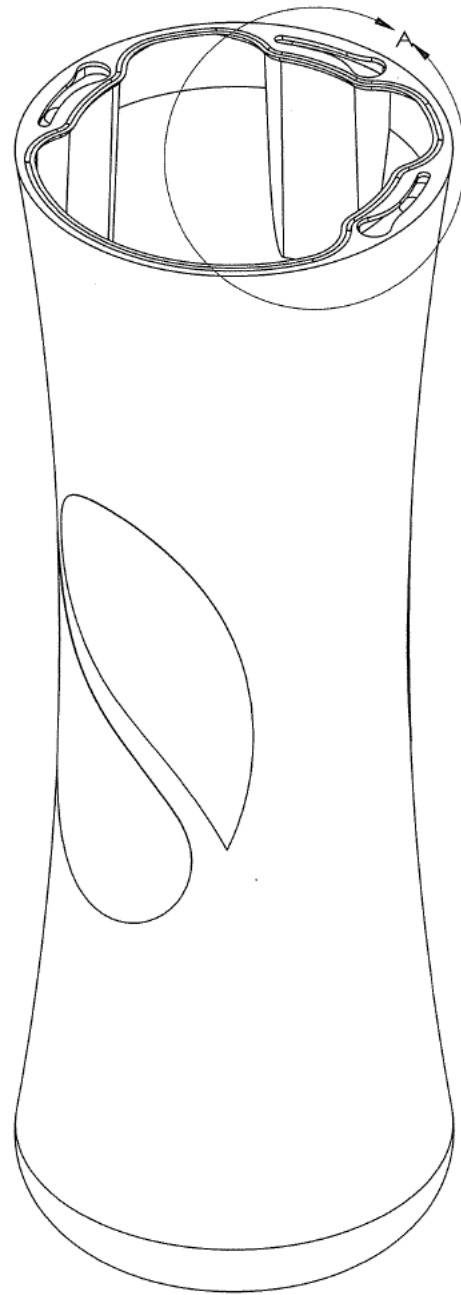


PLAN
SCALE 2:1

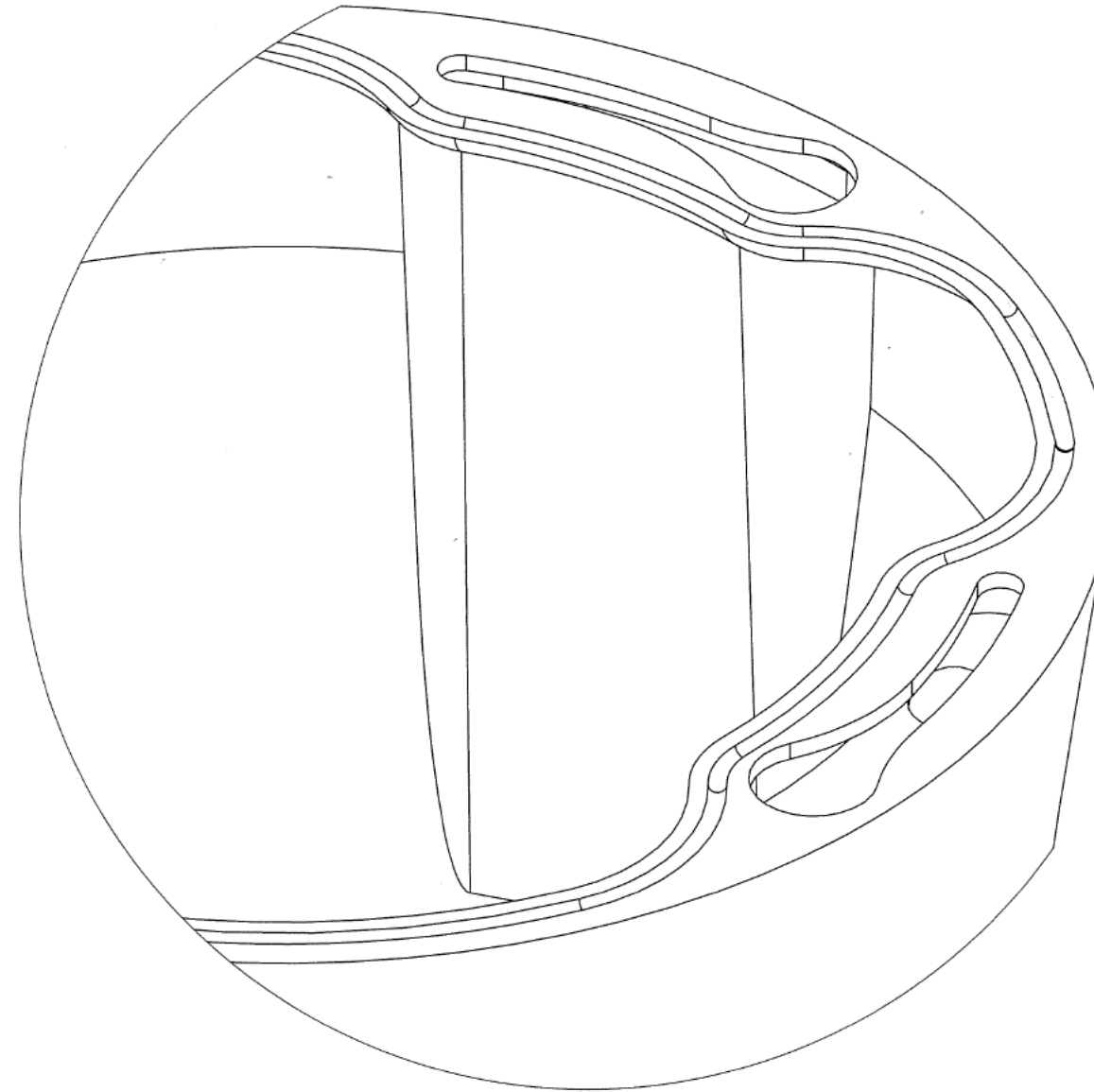
18/10/2017

BOTTLE MAIN BODY

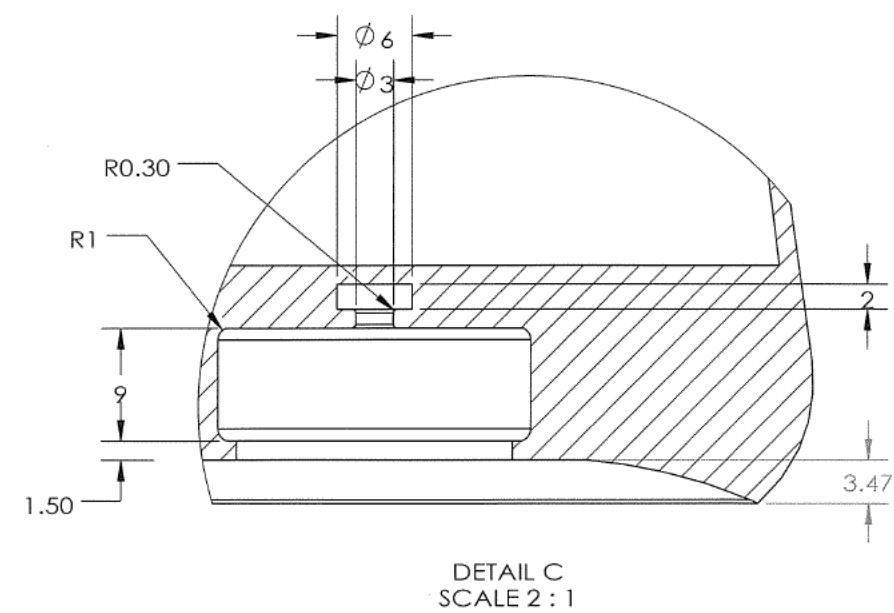
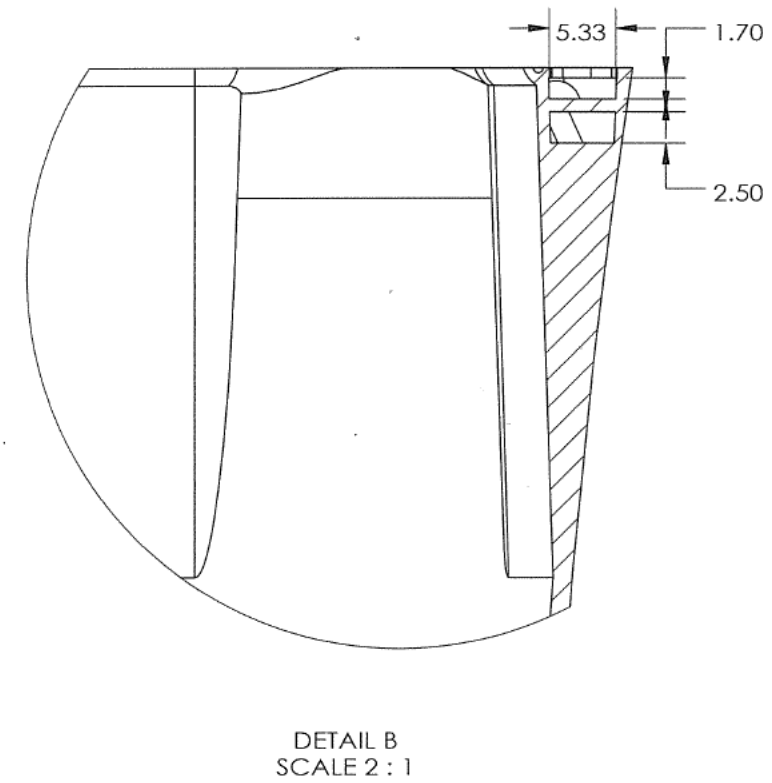
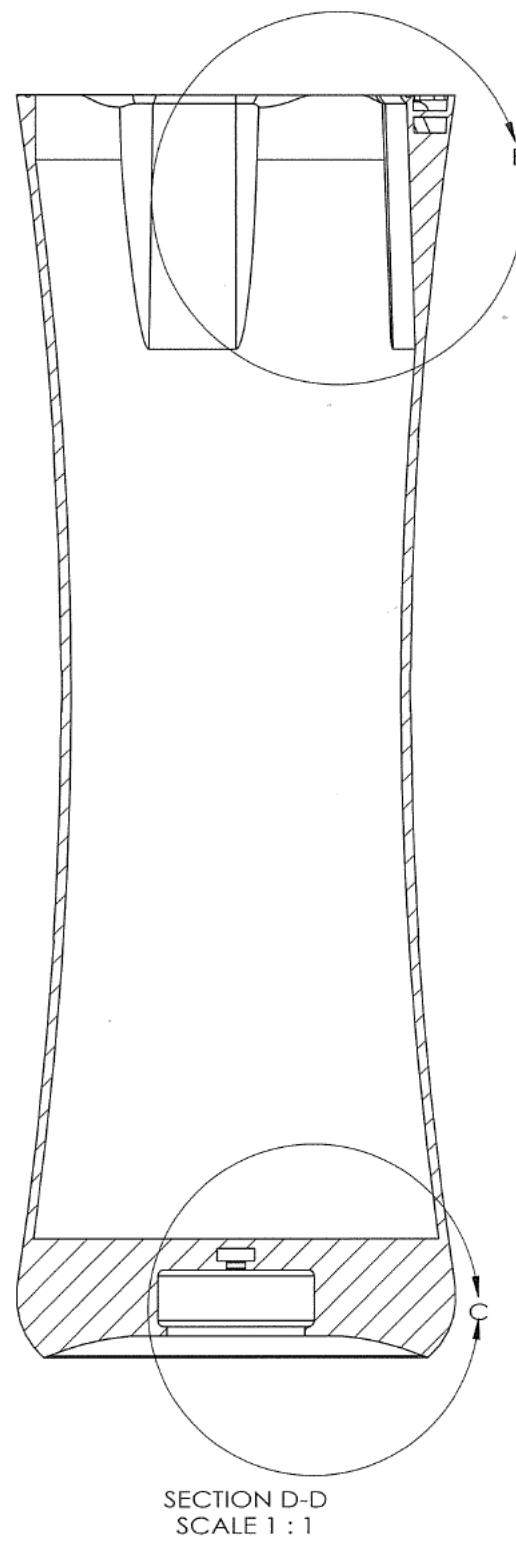
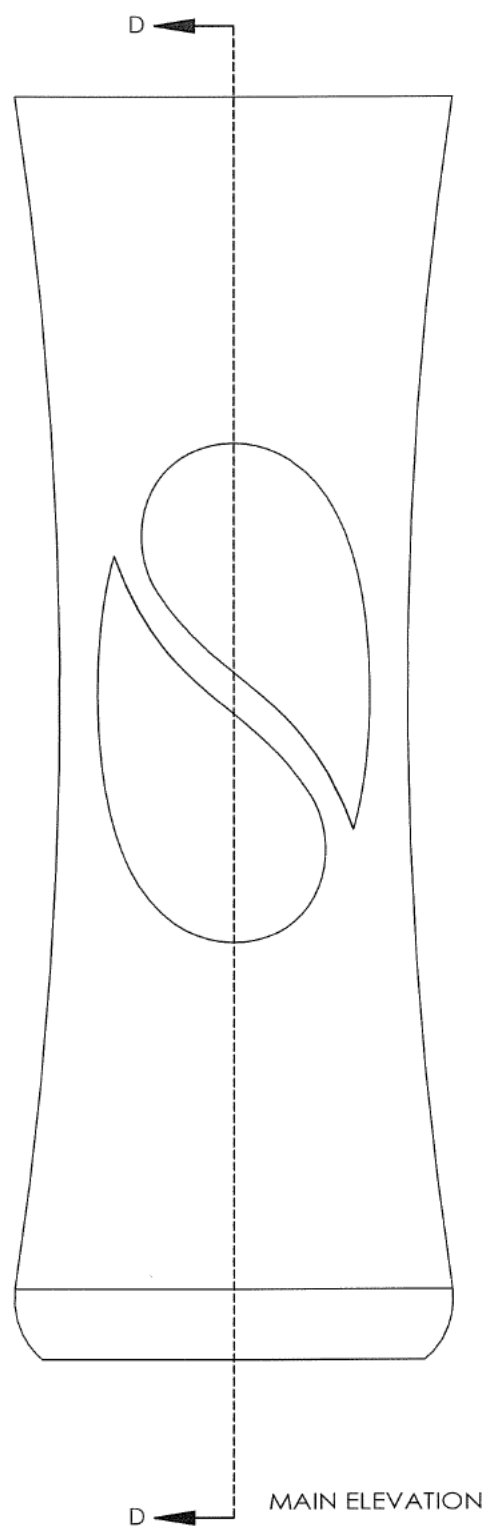
DRAWING 4



ISOMETRIC
SCALE 1:1



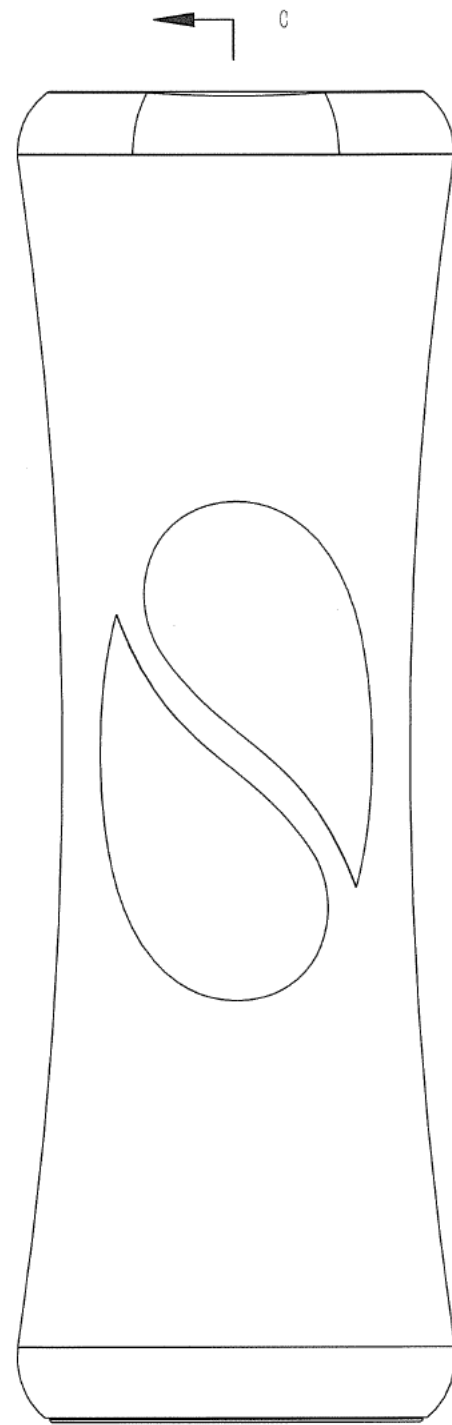
DETAIL A
SCALE 4 : 1



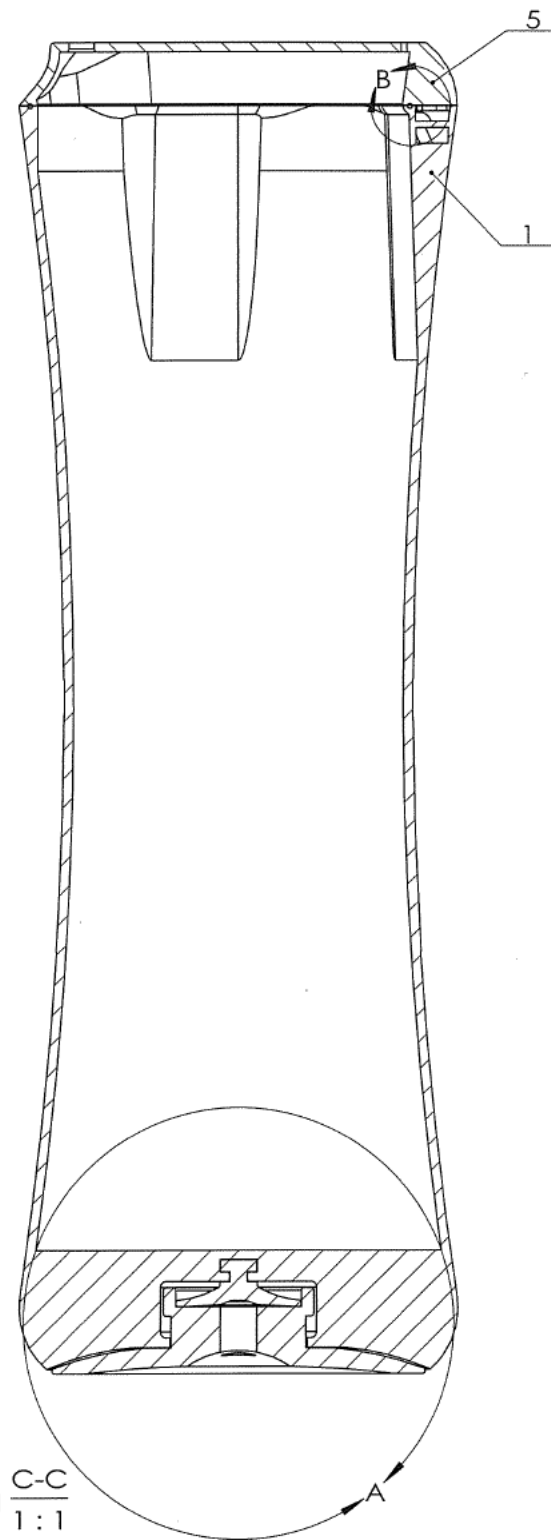
18/10/2017

BOTTLE MAIN BODY

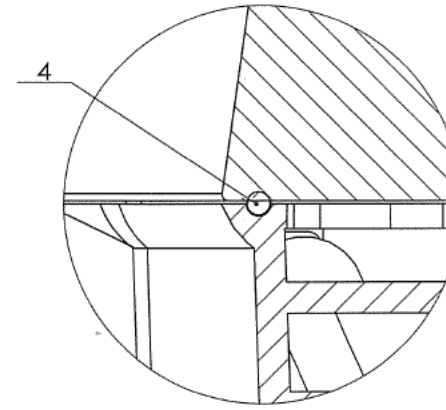
DRAWING 7



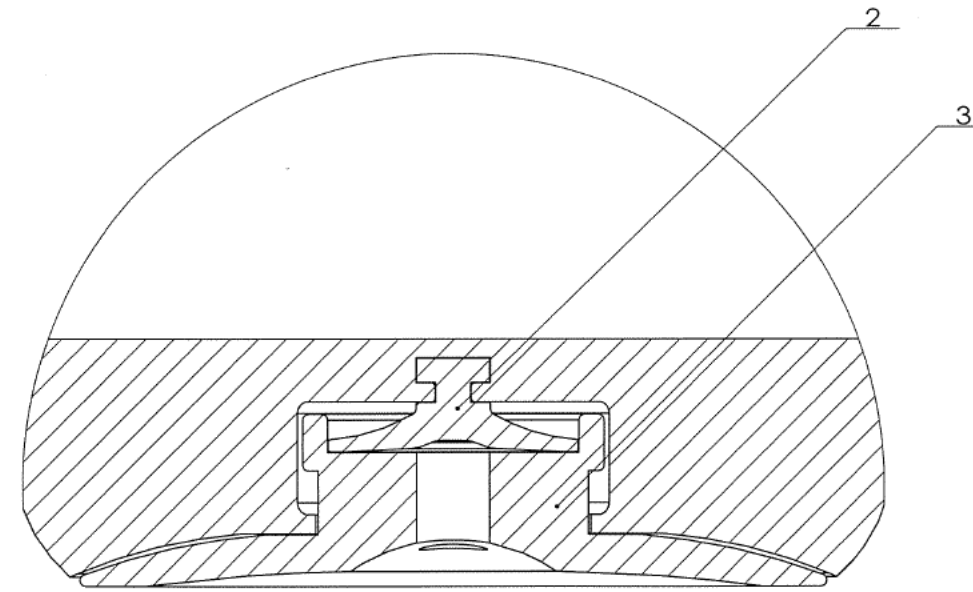
MAIN ELEVATION
SCALE 1:1



SECTION C-C
1:1



$\frac{B}{5:1}$ DETAIL OF RUBBER SEAL



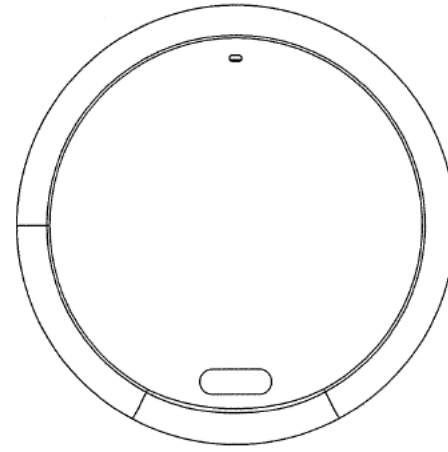
$\frac{A}{2:1}$ DETAIL OF SUCTION CUPS

PART#	NAME	MATERIAL
1	MAIN BODY	BPA FREE PLASTIC
2	SECONDARY SUTION CUP	RUBBER
3	MAIN SUTION CUP	RUBBER
4	RUBBER SEAL	RUBBER
5	CAP	BPA FREE PLASTIC

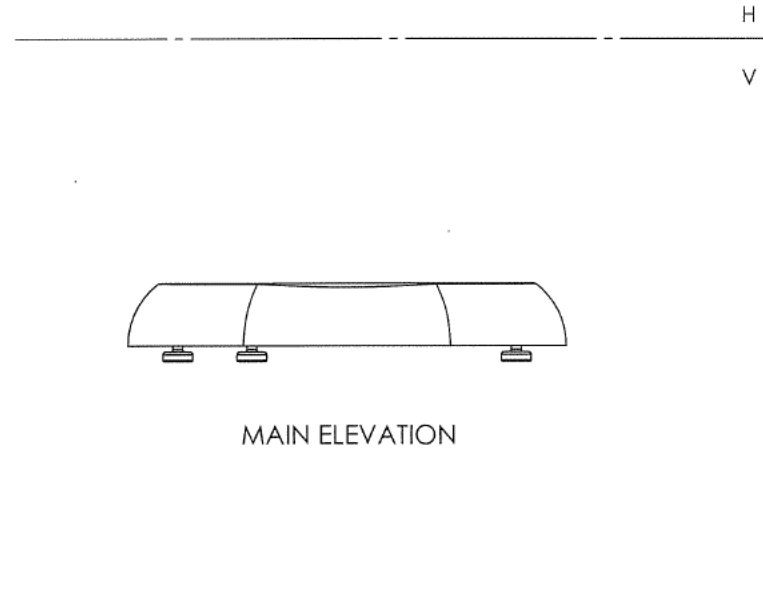
18/10/2017

BOTTLE ASSEMBLY

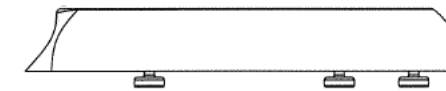
DRAWING 4



PLAN



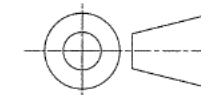
MAIN ELEVATION



RIGHT ELEVATION

18/10/2017

BOTTLE CAP

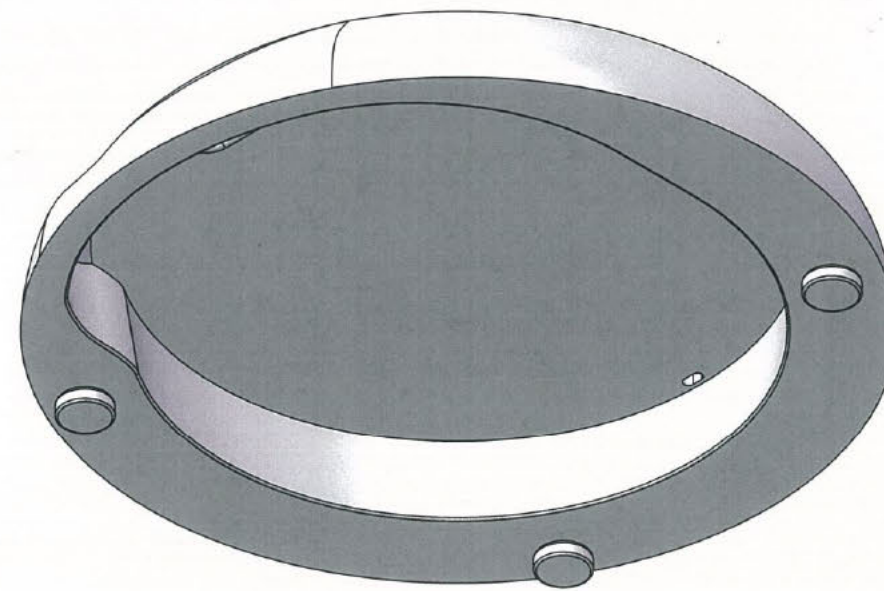


SCALE 1:1

DRAWING 1



RENDERED ISOMETRIC VIEW



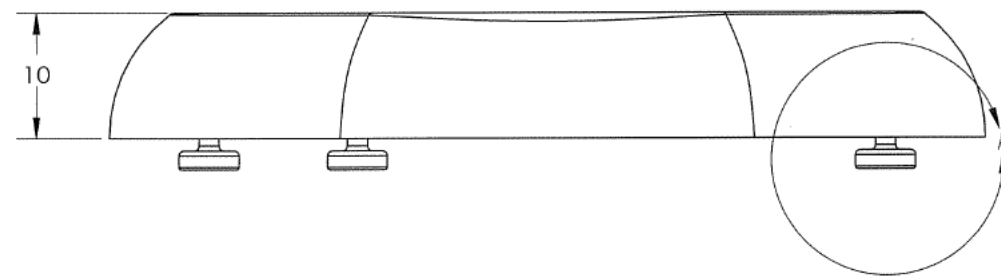
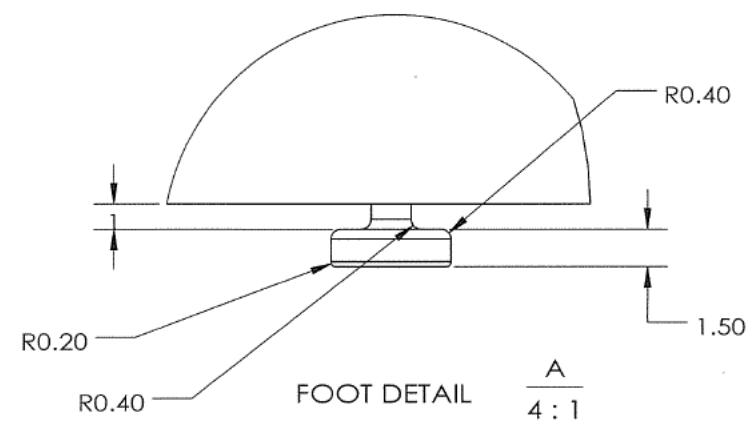
RENDERED ISOMETRIC BOTTOM VIEW

18/10/2017

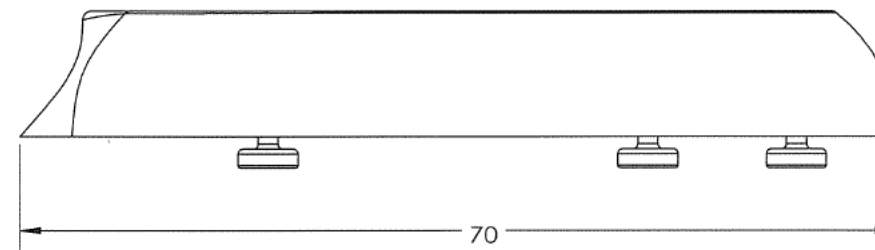
BOTTLE CAP

SCALE 2:1

DRAWING 2



MAIN ELEVATION



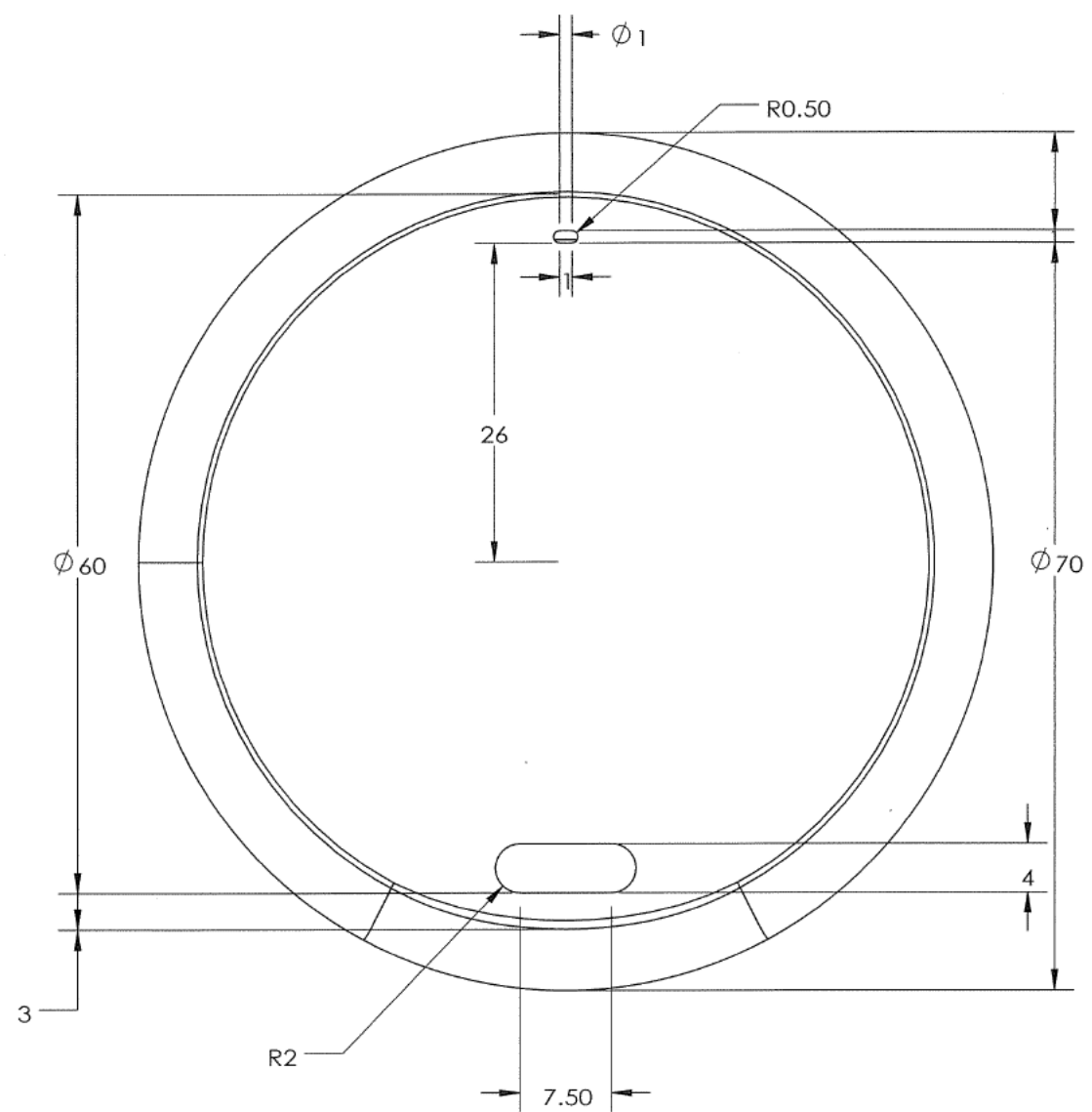
RIGHT ELEVATION

18/10/2017

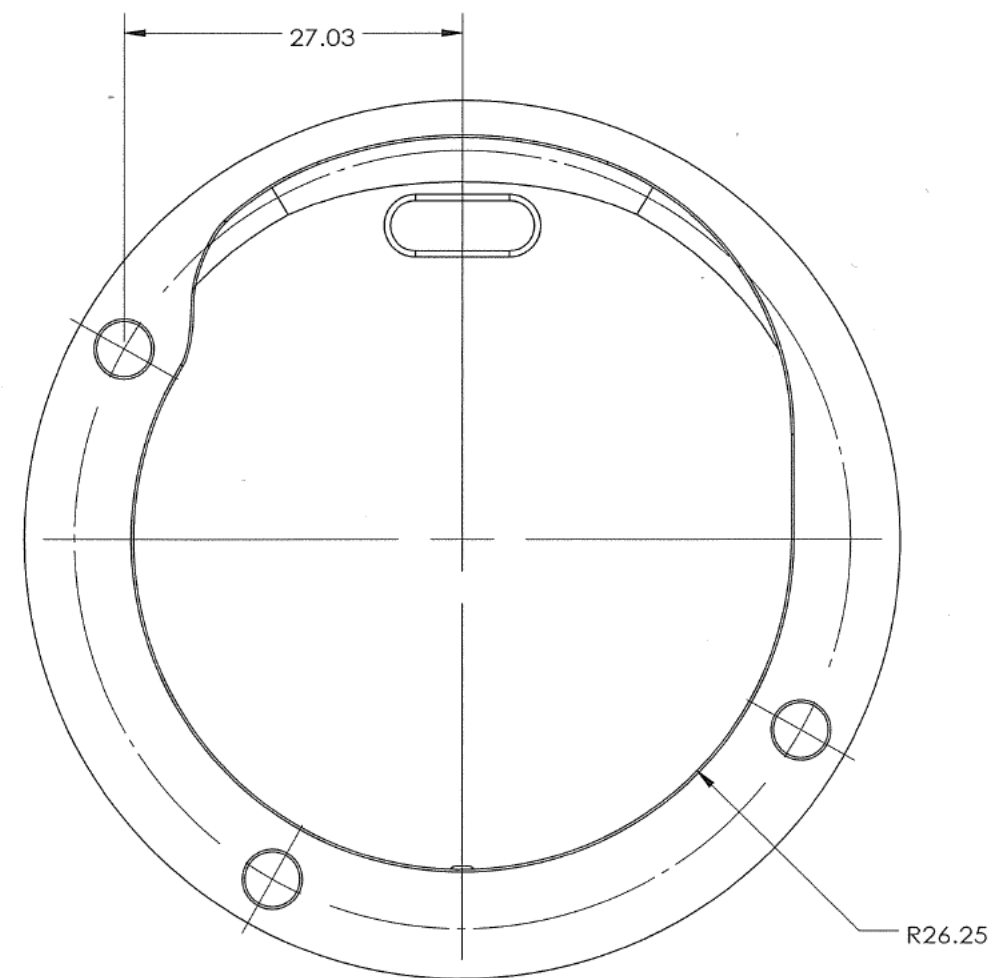
BOTTLE CAP

SCALE 2:1

DRAWING 3



PLAN



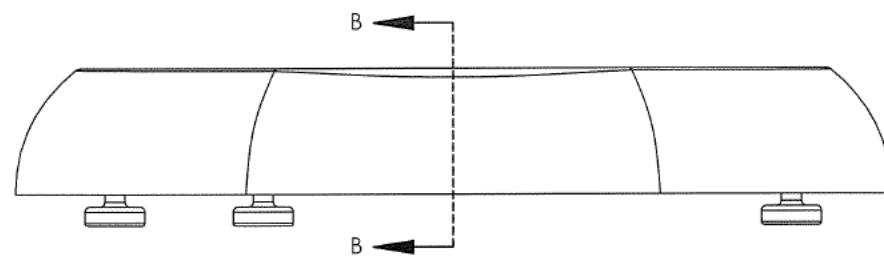
BOTTOM VIEW

18/10/2017

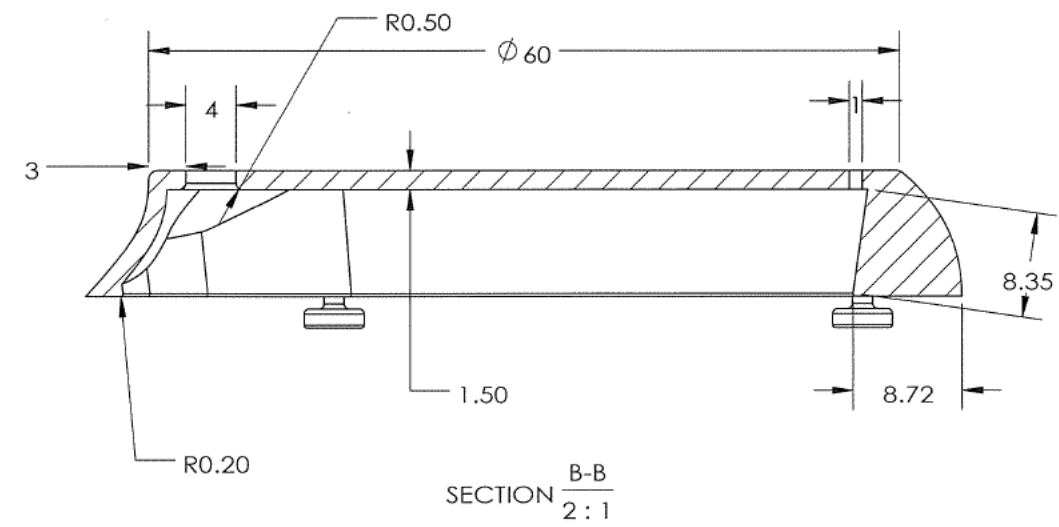
BOTTLE CAP

SCALE 2:1

DRAWING 4



MAIN ELEVATION



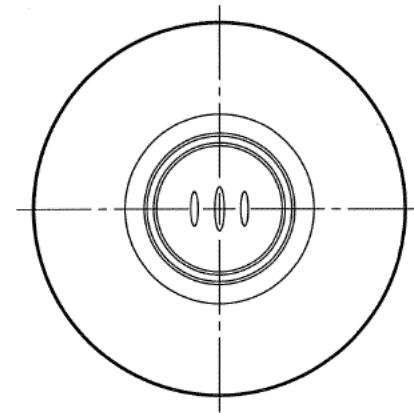
SECTION $\frac{B-B}{2:1}$

18/10/2017

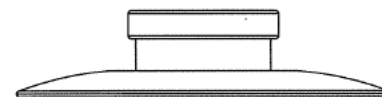
BOTTLE CAP

SCALE 2:1

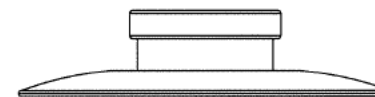
DRAWING 5



PLAN



MAIN ELEVATION



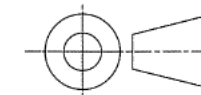
RIGHT ELEVATION

H

V

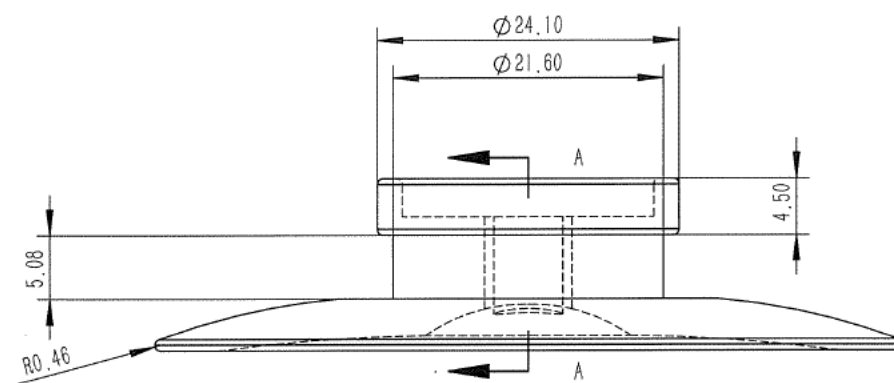
18/10/2017

MAIN SUCTION CUP

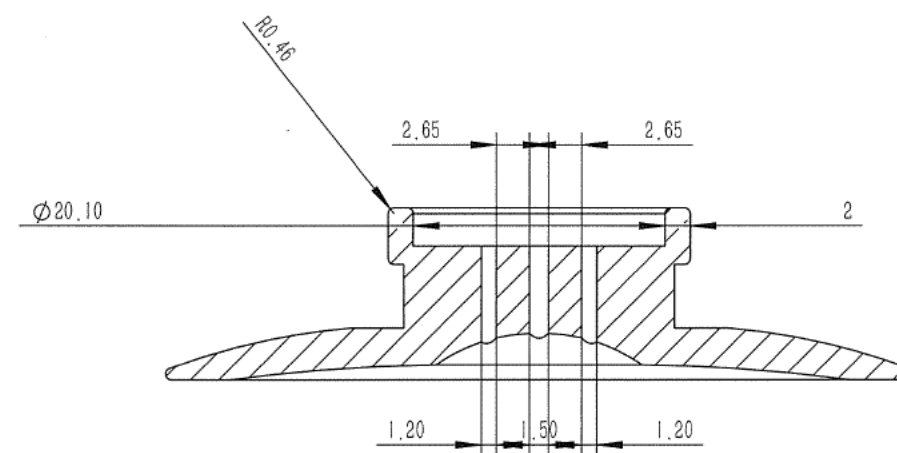


SCALE 1:1

DRAWING 1



WIREFRAME RIGHT ELEVATION



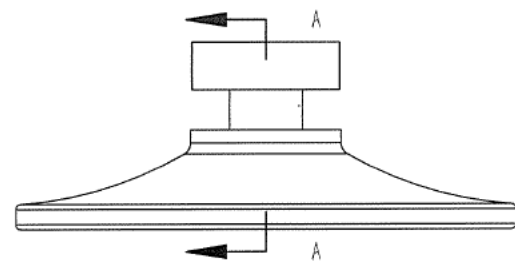
SECTION $\frac{A-A}{2:1}$

18/10/2017

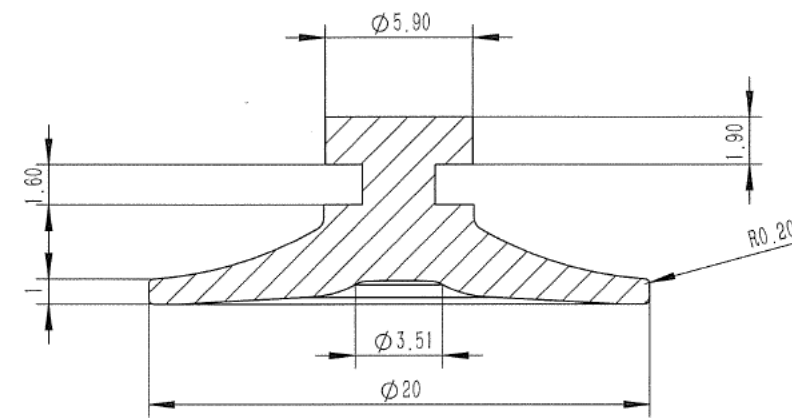
MAIN SUCTION CUP

SCALE 2:1

DRAWING 2



MAIN ELEVATION



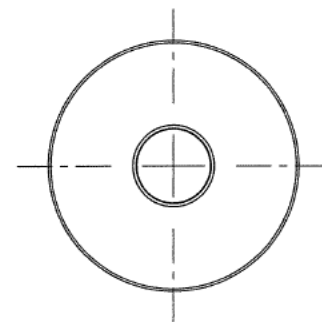
SECTION $\frac{A-A}{4:1}$

18/10/2017

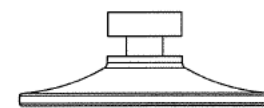
SECONDARY SUCTION CUP

SCALE 4:1

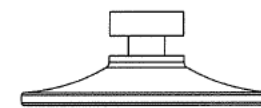
DRAWING 2



PLAN



MAIN ELEVATION



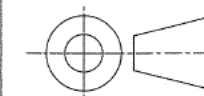
RIGHT ELEVATION

H

V

18/10/2017

SECONDARY SUCTION CUP



SCALE 2:1

DRAWING 1

AS 91631 (3.34): Produce working drawings to communicate production details for a complex design (6 credits)

Achievement	Achievement with Merit	Achievement with Excellence
Produce working drawings to communicate production details for a complex design.	Produce working drawings to clearly communicate production details for a complex design.	Produce working drawings to effectively communicate production details for a complex design.
<ul style="list-style-type: none"> Produce a <u>set of related instrumental</u> working drawings showing <u>exterior and interior detail</u> of components <u>related</u> to the construction and assembly of a <u>complex</u> design. Demonstrate an ability to use <u>drawing conventions and presentation techniques</u> to communicate details of a complex design. 	<ul style="list-style-type: none"> Produce a <u>precise</u> set of related instrumental working drawings showing exterior and interior detail of components that <u>explains</u> the construction and assembly of a complex design. Demonstrate an ability to <u>accurately apply</u> drawing conventions and presentation techniques to <u>clearly</u> communicate details of a complex design. 	<ul style="list-style-type: none"> Produce a precise and cohesive set of related instrumental working drawings through the appropriate selection of views and modes that enable the construction and/or assembly of a complex design. Demonstrate an ability to <u>accurately apply</u> drawing conventions and presentation techniques to <u>clearly</u> communicate production details of a complex design.

Commentary: This submission is assessed at High Merit.

It shows a set of related complex drawings of a drink bottle and has been produced using CAD.

This includes (meeting the grade given):

- illustrative drawings to help visualise the design
- CAD drawings showing precision and accuracy
- orthographic drawings of the assembled design and its' components
- exploded views showing assembly
- dimensioning where necessary
- a good selection of sectional views and details
- some good use of drawing conventions such as recognised scales, symbols and labelling however, the dimensioning is not to the correct NZ standard i.e. incorrectly breaking dimension lines and orientating values horizontally and the cross hatching was all running in the same direction regardless of being different materials and components.