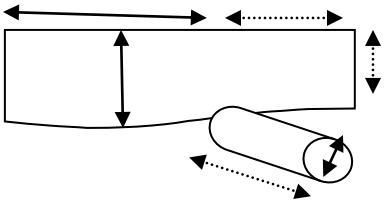
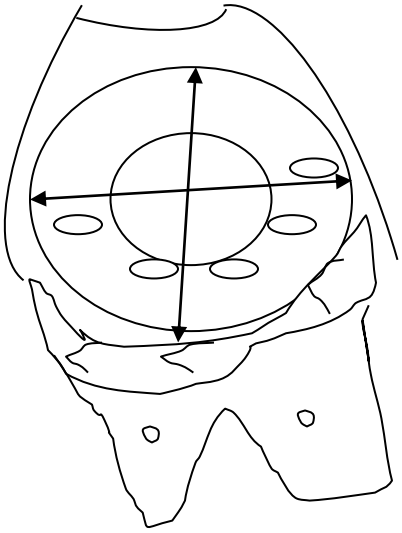
Pharma Devils	PHARMA DEVILS QUALITY ASSURANCE DEPARTMENT	**DRAWING No.:**

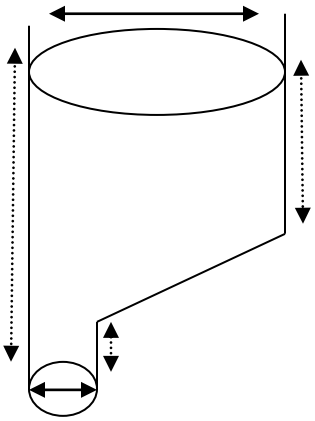
SURFACE AREA CALCULATION SHEET (COMPRESSION MACHINE 29 STATION)



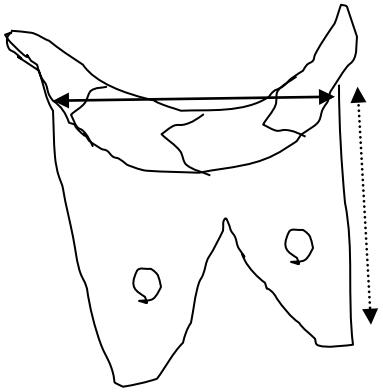
Discharge chute



Turret with Feed Frame



Hopper



Feed Frame

SURFACE AREA OFCOMPRESSION MACHINE:

Surface Area of Feeder Frame (2 nos.)

Let assume Feeder Frame as Rectanglular

Length = ….cm

Width = …. cm

Surface area = L x W

Total Area=……..inch^2

Surface Area of Turret

Diameter = ……..cm

Surface Area = π x r^2

Surface Area of Hopper

Area of cylindrical shape

Diameter = … cm

Height = …… cm

Surface area = (2 x π x r x h) + (2 x π x r^2)

Surface area of Lower Trapezium shape

B1= …… B2= …. cm Height = ….cm

Surface Area = B1+B2/2 x H

Surface area of cylindrical shape

Length = ……cm

Diameter =…….cm

Surface area = (2 x π x r x h) + (2 x π x r^2)

Total area of hopper =511.04 +83.7 +16.05 = 610.8 inch^2

Surface area of Exit Chute

Surface area of Rectangular shape

Pharma Devils	PHARMA DEVILS QUALITY ASSURANCE DEPARTMENT	**DRAWING No.:**

SURFACE AREA CALCULATION SHEET (COMPRESSION MACHINE 29 STATION)

Length = ….. cm Width=….. cm

Area= LxW

Surface area of lower rectangular shape

Length = ….. cm Width=…. cm

Area= LxW

Surface area of lower cylindrical shape

Length= ….cm Diameter= …. cm

Surface area = $(2 \times \pi \times r \times h) + (2 \times \pi \times r^2)$

Total area of exit chute= ……..$inch^2$

Total surface area of compression machine

=……$inch^2$