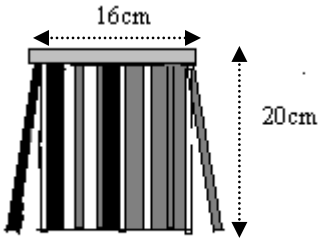
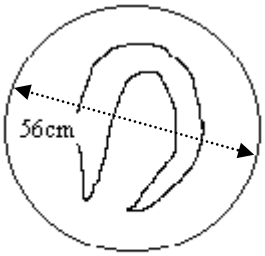
Pharma Devils	PHARMA DEVILS QUALITY ASSURANCE DEPARTMENT	**DRAWING No.:**

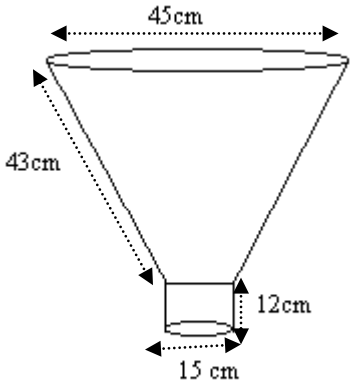
SURFACE AREA CALCULATION SHEET (STRIP PACKING MACHINE)



Channel



Vibrating
Plate

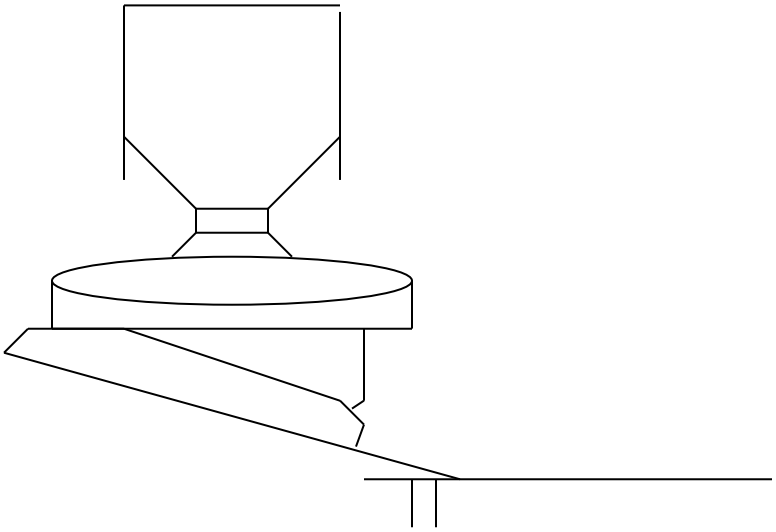


Hopper

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

SURFACE AREA CALCULATION SHEET (STRIP PACKING MACHINE)

STRIP MACHINE



Surface Area of Strip Packing Machine

Surface Area of Channel

Length= 20 cm Width = 16 cm

Surface area = LxW

= 20 x 16= 320 cm^2

=49.6 $inch^2$

Surface Area of Vibrating Plate

Diameter= 56 cm

Surface area = π x r^2

= 3.14x28x28

=2461.76 cm^2

=381.57 $inch^2$

Surface Area of Hopper

Surface area of trapezium shape

Height =43cm B1= 45cm B2=15cm

Surface Area = B1+B2/2 x H

=45+15/2x43=1290 cm^2

=199.95 $inch^2$

Surface area of cylindrical shape

Length=12cm Diameter=15cm

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

=(2x3.14x7.5x12)+(2x3.14x7.5x7.5)

=565.2+353.25=918.45 cm^2

=142.36 $inch^2$

Total surface area of Hopper= 199.95+142.36= 342.3 $inch^2$

Surface Area of Strip Packing Machine

=49.6 +381.57 +342.3=**773.47 $inch^2$**