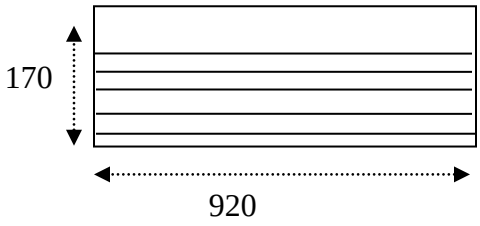
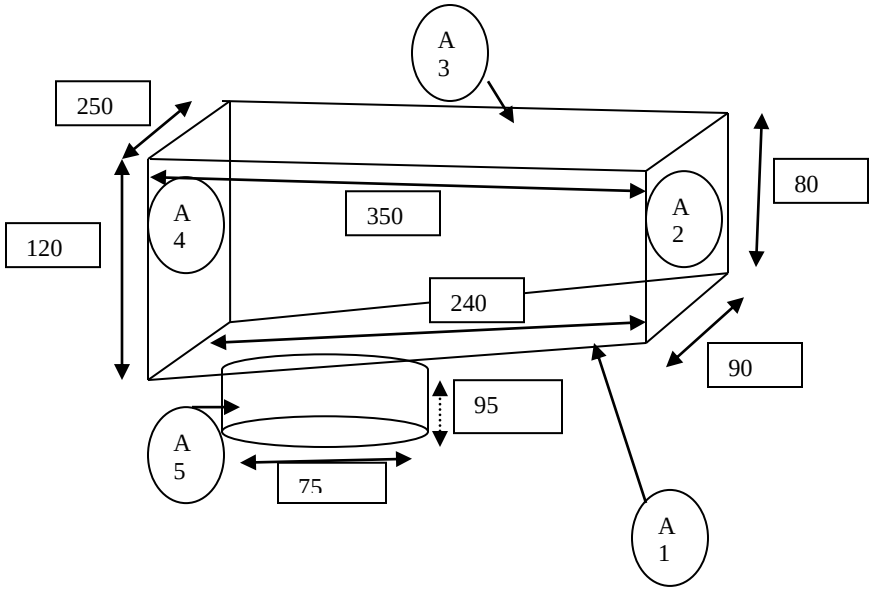
Pharma Devils	PHARMA DEVILS QUALITY ASSURANCE DEPARTMENT	**DRAWING No.:**

SURFACE AREA CALCULATION SHEET (BLISTER PACKING MACHINE)



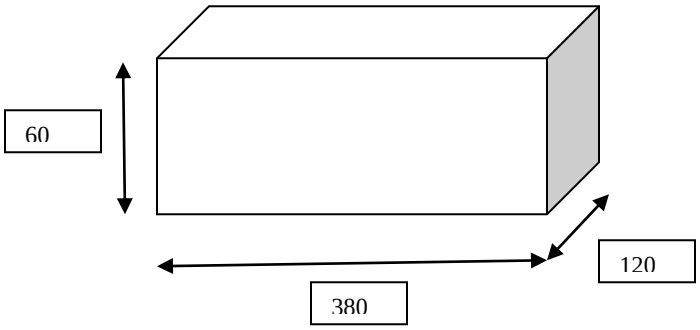
Channel



Hopper

SURFACE AREA CALCULATION SHEET (BLISTER PACKING MACHINE)

Vibrating Plate



Are of channel
= L x W
= 980 x 170
= 6559 inch^2

Area of vibrating plate
= L x W x H
= 380 x 120 x 60
=**107716 inch^2**

Area of Hopper

A1 = (D1+D2/2) x H
= (120+80/2) x 240
= 944.9 inch^2

A2 = L x W
= 90 x 30
= 283.46 inch^2

A3 = (D1+D2/2) x H
= (120+80/2) x 350
= 1377.9 inch^2

A4 = L x W
= 250 x 120
= 1181 inch^2

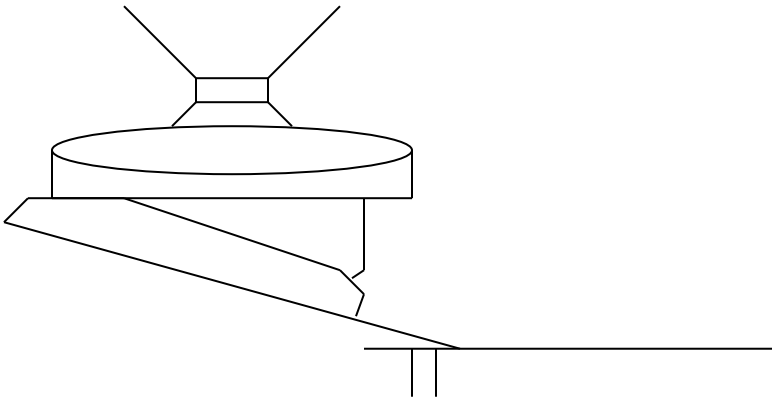
SURFACE AREA CALCULATION SHEET (BLISTER PACKING MACHINE)

A5= (D1+D2/2) x H
= (250+90/2) x 240
= 1606.3 inch^2

Surface area of hopper = A1+A2+A3+A4+A5
= 944.9+283.46+1377.9+1181+1606.3
= **5393.56 inch^2**

Surface area of blister machine
= Area of Channel + Area of vibrating plate + Area of hopper
= 6559 + 107716 + 5393.56
= 119668.56 inch^2

BLISTER MACHINE



Surface Area of Blister Packing Machine

Surface Area of Channel

Length=…… cm Width = ……cm

Surface area = LxW

=……= …….cm^2

=…… $inch^2$

Surface Area of Vibrating Plate

Diameter= …….. cm

Surface area = π x r^2

= …….

Surface Area of Hopper

Surface area of trapezium shape

Height =……cm B1= …..cm B2=……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 surface area of Hopper= …….$inch^2$

Surface Area of Blister Packing Machine

=……= ……**$inch^2$**