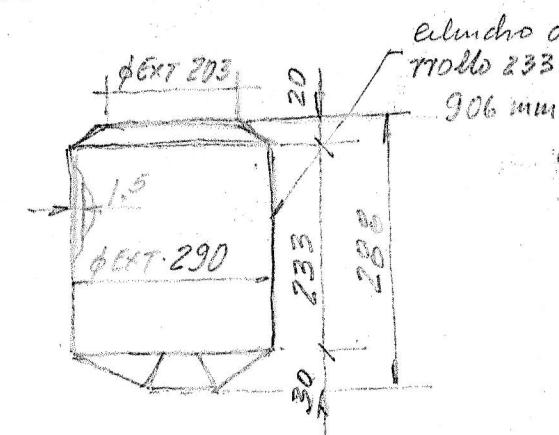
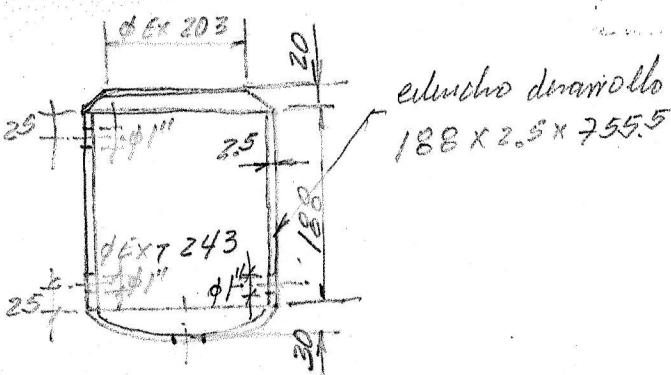
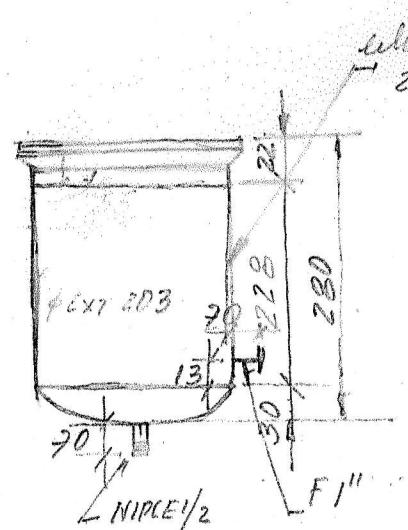
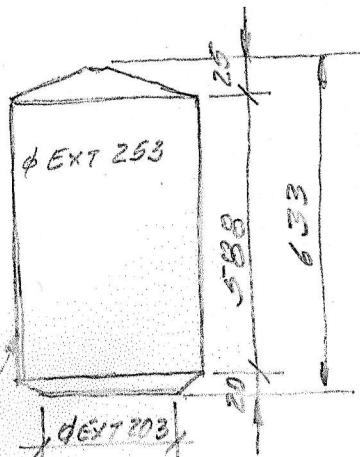
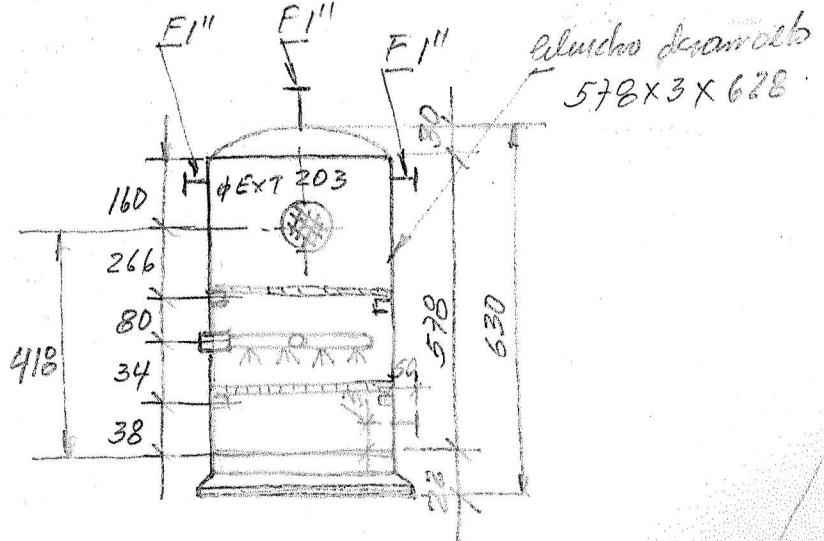


Enero 10/2014



### CAMARA P/VAPOR

$$\alpha = \frac{180 \times 288.5}{159.5} = \frac{51730}{159.5} = 325^\circ - 360^\circ = 36^\circ \text{ cuarto de joro y cilindro desarrollo}$$

$D_m = 288.5 \text{ dm} = 284.5 \text{ h} 20$

$$M = 48 \quad g = \sqrt{1764 + 400} = \sqrt{2164} = 46.5$$

$$g = \frac{46.5 \times 102.25}{42} = \frac{4754.6}{42} = 113$$

$$g = 46.5 + 113 = 159.5$$

camara de estanque y camara sum

$$D_m = 240 \text{ dm} = 205.5 \text{ h} 20$$

$$M = 17.25 \quad g = \sqrt{29257 + 400} = \sqrt{33257} = 183.73$$

$$26.41 \quad g = \frac{26.41 \times 102.25}{17.25} = \frac{2713.63}{17.25} = 157.5$$

$$g = 157.5 + 183.73 = 341.23$$

$$\alpha = \frac{180 \times 240}{183.73} = \frac{43200}{183.73} = 235^\circ - 360^\circ$$

$$A = 754 \div 2 = 377$$

$$a = 645.6 \div 2 = 322.8$$

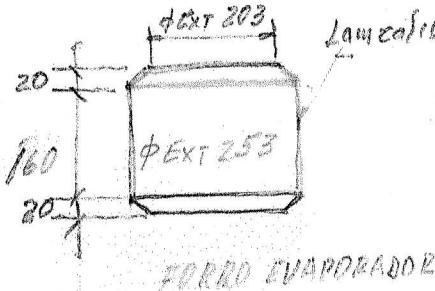
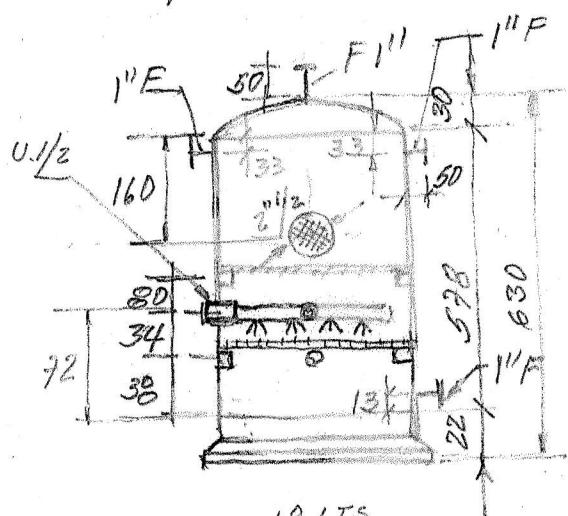
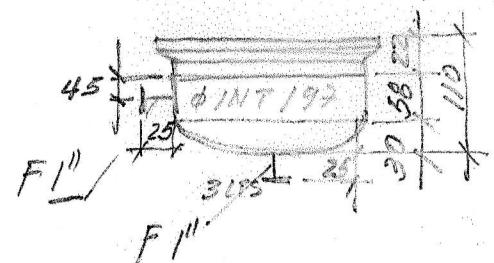
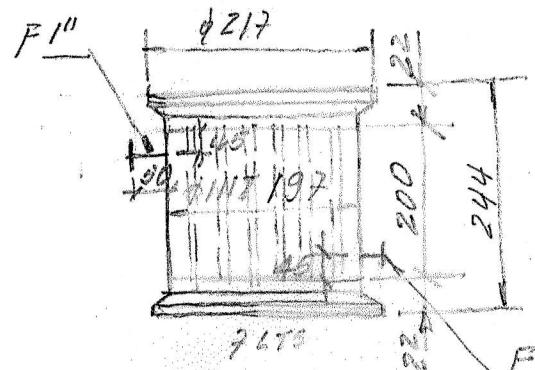
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Calle 22C No. 18 B - 66

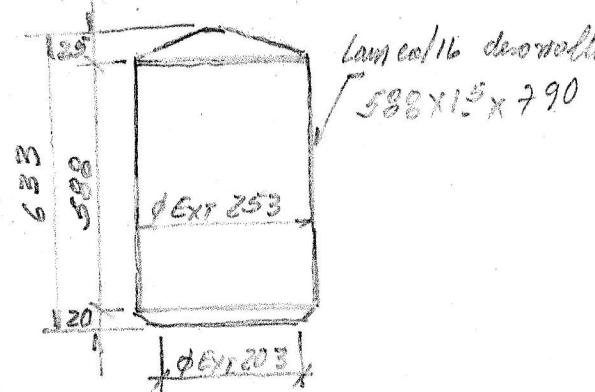
Telefax: 244 6437 244 6488

### FORRO EVAPORADOR

U.N.  
EVAPORADOR TUBULAR #1  
Enero 9/2014



FORRO EVAPORADOR



FORRO EVAPORADOR

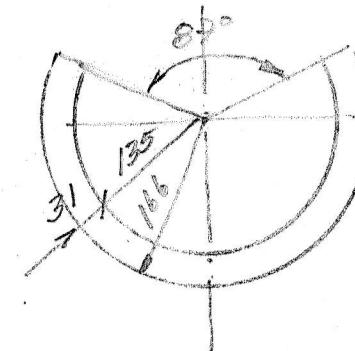
extremo del cilindro y forro tienen una ca  
Dm = 251.5 dm = 204.5 h = 20

$$M = 23.5 \quad g = \sqrt{552.25} + 400 = \sqrt{952.25} = 31$$

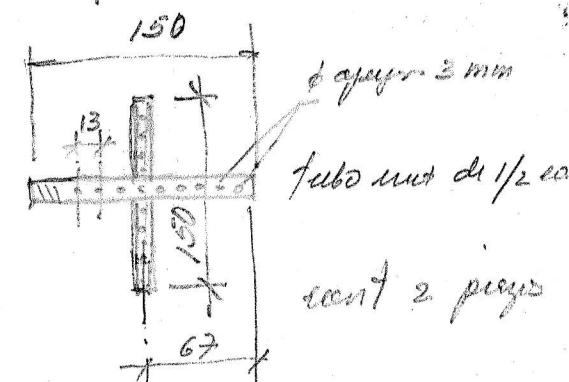
$$g = \frac{31 \times 102.25}{23.5} = \frac{3168}{23.5} = 135$$

$$G = 31 + 135 = 166$$

$$d = \frac{166 \times 23.5}{166} \cdot \frac{452.20}{166} = 273^{\circ} - 360^{\circ} = 87$$

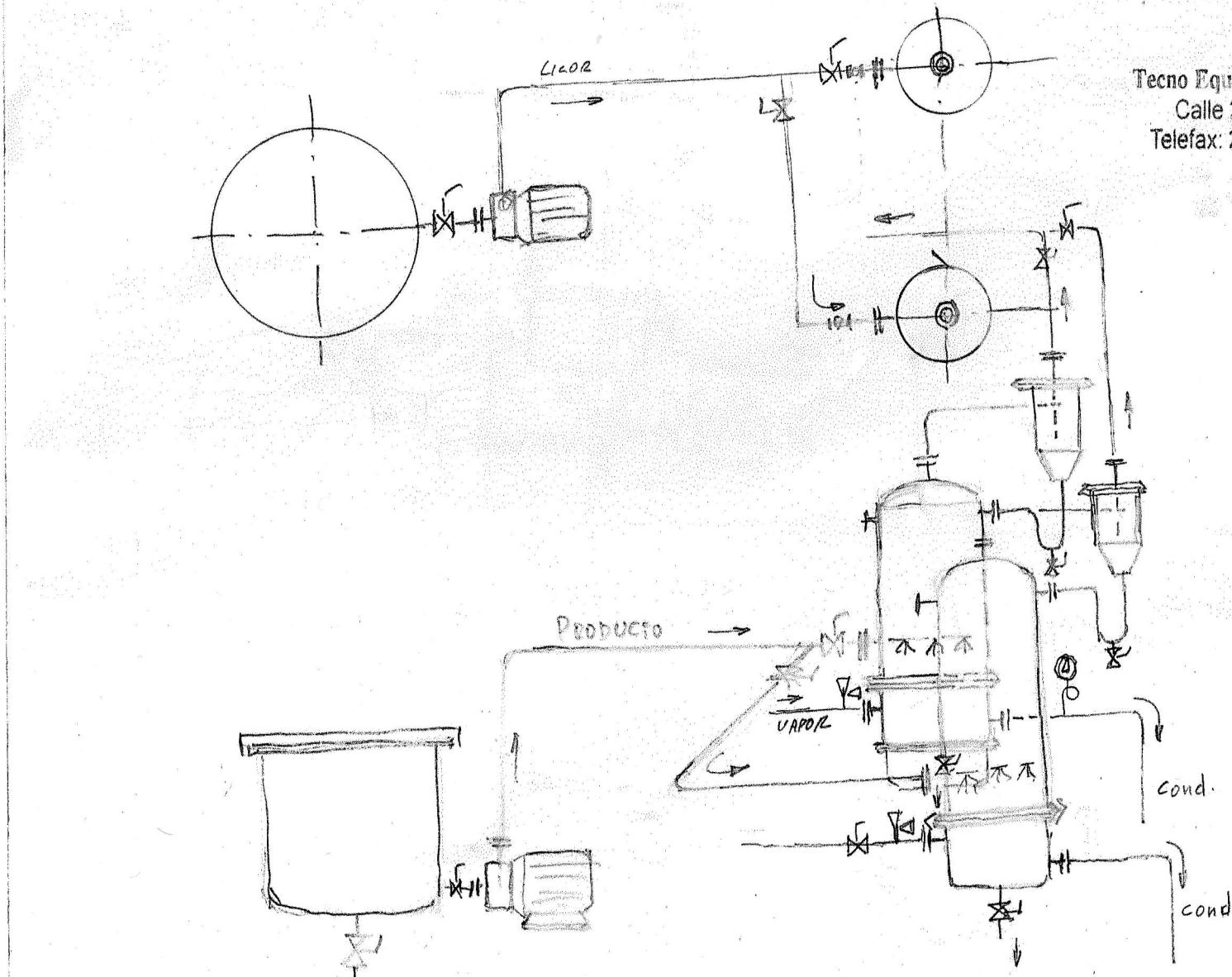


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Telefax: 244 6487 2446



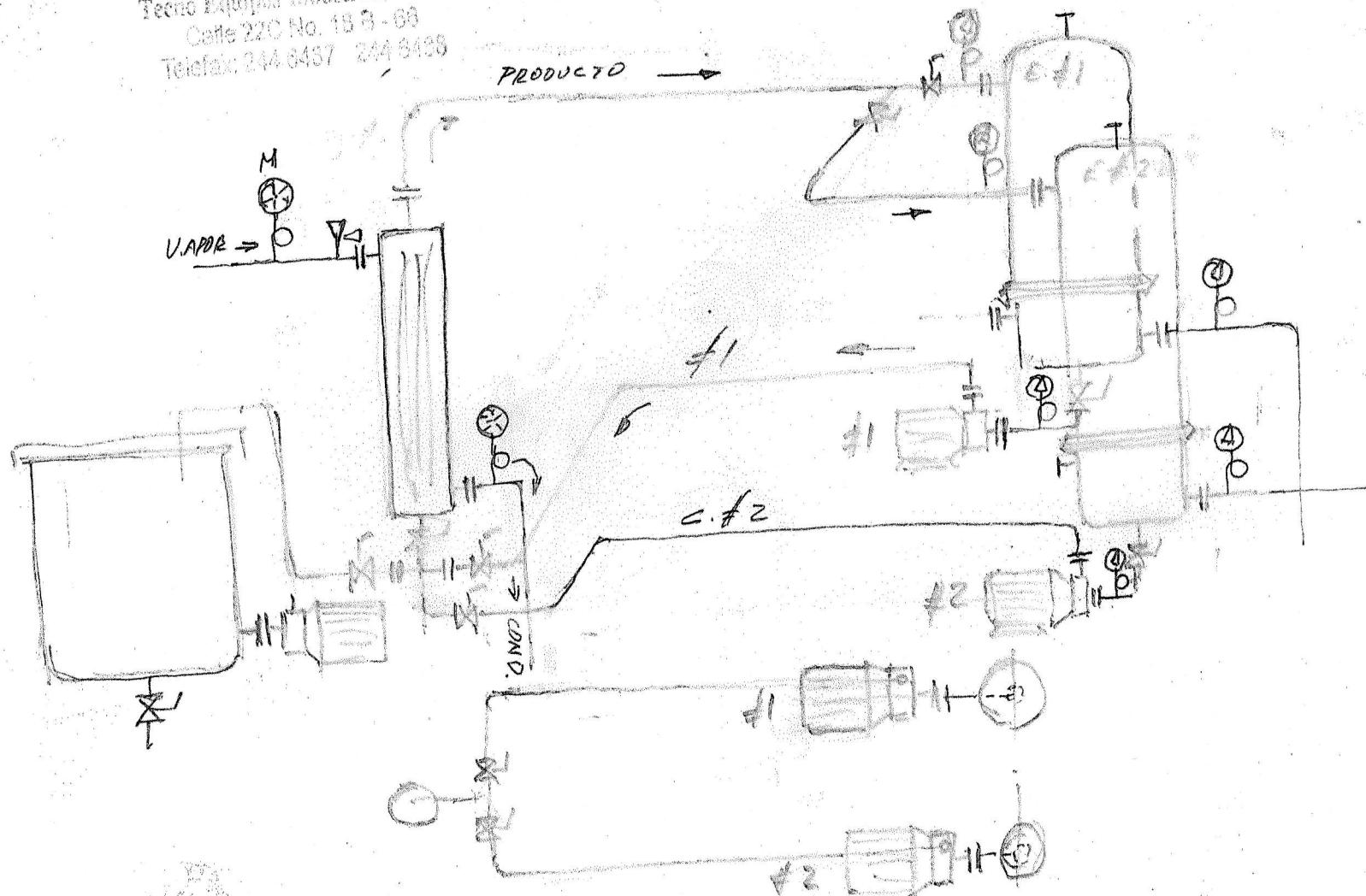
MEDIDAS EN MM  
DIBUJO - J.M.Z.

Tecno Equipos Industriales Ltda.  
Calle 22C No. 18 B - 66  
Telefax: 244 6487 244 6488

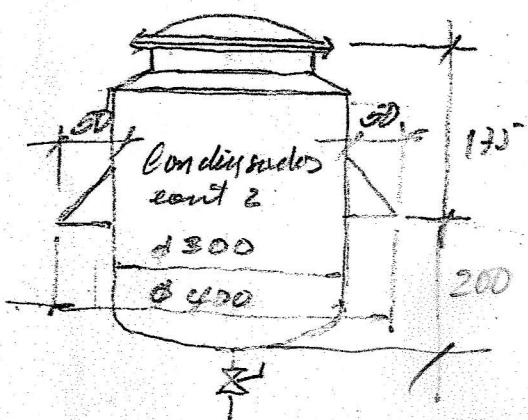
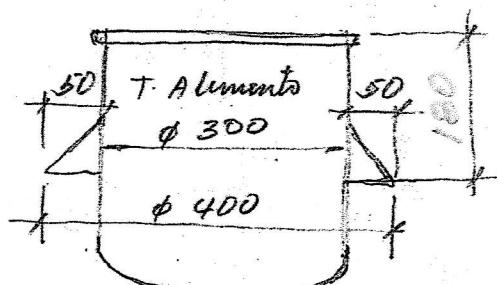
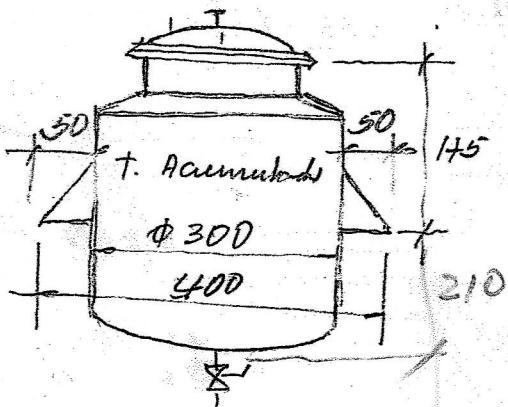


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PRODUCTO

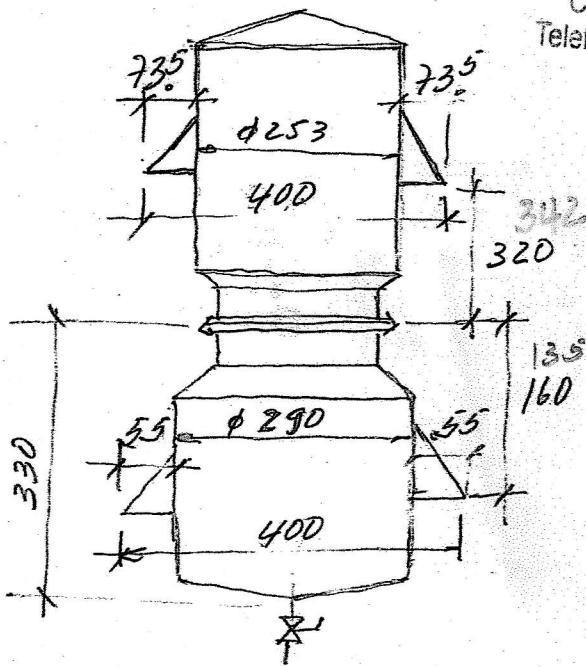


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Teléfono: 244 0497 244 6488

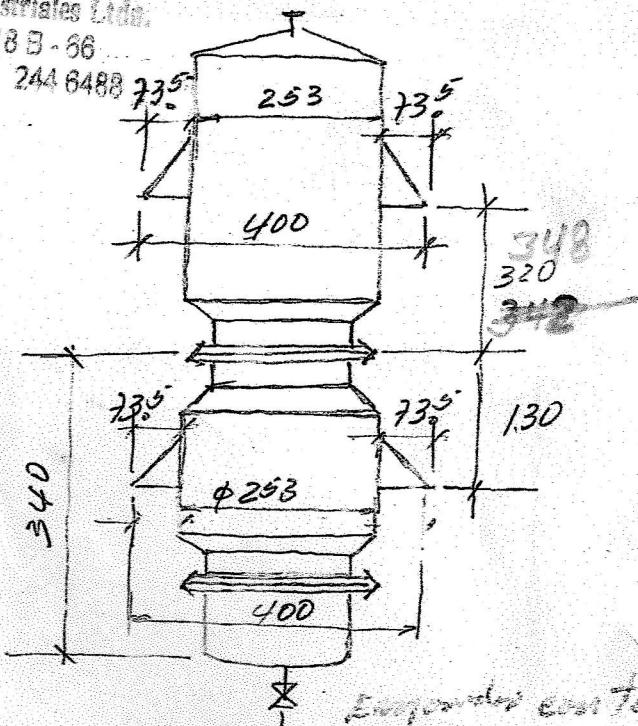


- 10 mangueras de 90 mm de ancho profundidad 50 mts altura 90 mts
- 2 mangueras de 90 mm de ancho profundidad 56 mts altura 90 mts
- 2 mangueras de 90 mm de ancho profundidad 73.5 mts altura 90 mts
- 4 mangueras de 90 mm de ancho profundidad 73.5 mts altura 90 mts

EV-#2

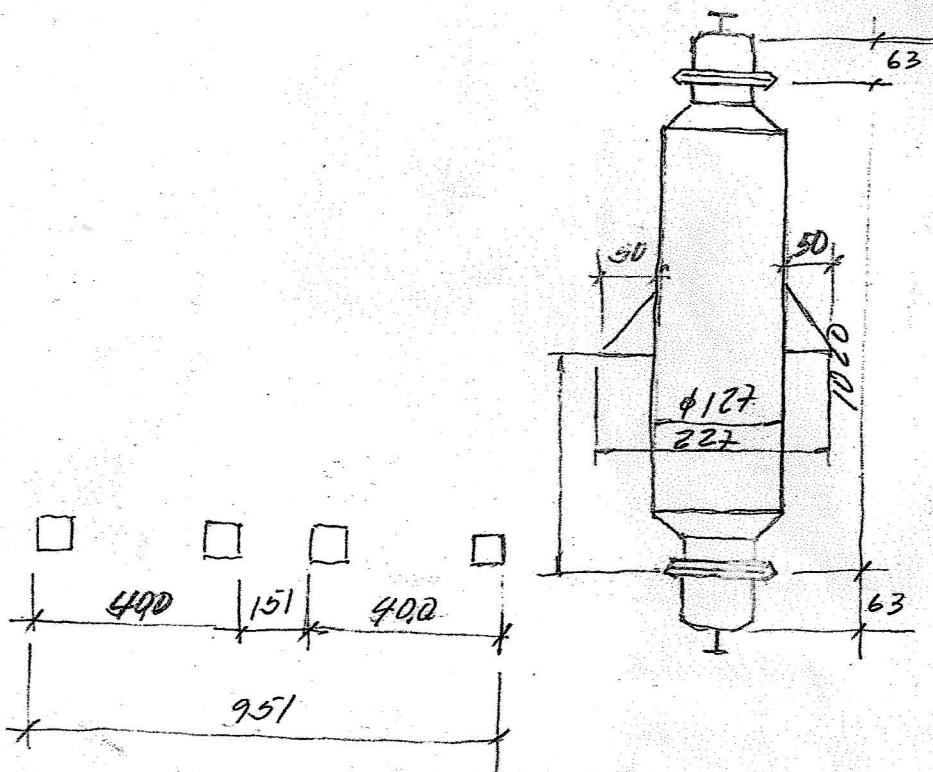


FU #1



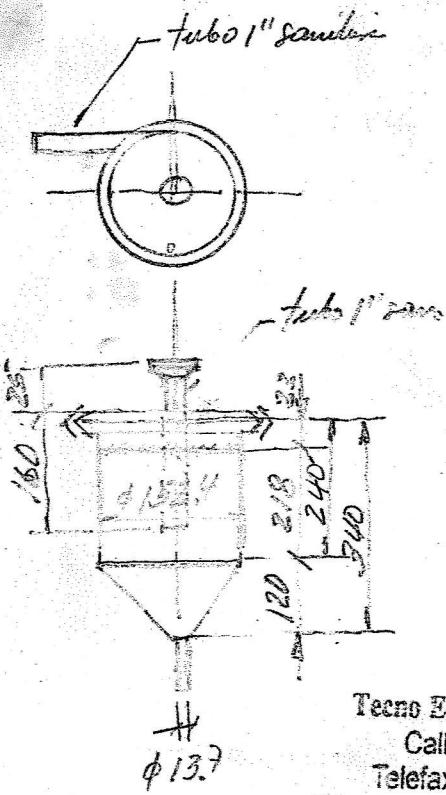
Esguinaldo con cono de

Esguinaldo en tubos



Ventisegu montaje de tubería O.N.  
Enero 23/2014

R = 73,2



Deducción φ mayor 152.4

φ menor 13.7 altura 120 mm en lamina esp esp 12

Dm 149.90 dm 11.20 h=120

$$M = 69.35 \quad g = \sqrt{4809.4 + 14400} =$$

$$\sqrt{19209.40} = 138.6$$

$$\delta = \frac{138.6 \times 5.60}{69.35} = \frac{776.16}{69.35} = 11.20$$

$$G = 138.6 + 11.20 = 149.80$$

$$\alpha = \frac{180 \times 149.80}{149.80} = \frac{26964}{149.80} = 180^\circ$$

Tecno Equipos Industriales Ltda.

Calle 22C No. 18 B - 63

Telefax: 244 6487 244 6488

extiendo φ ext 152.4 altura 218 mm  
lamina esp esp 12

Desarrollo 218 x 2.5 x 471

extiendo φ ext 202 mm altura 200 esp 1.5

Desarrollo 200 x 1.5 x 630 mm

Fondo cono φ mayor esp 202 φ menor esp 13  
altura 75 lamina esp esp 16

Dm = 200.5 dm = 30.5 h = 75 mm

$$M = 85 \quad g = \sqrt{2225 + 3625} = \sqrt{12850} = 113$$

$$\delta = \frac{113 \times 15.25}{85} = \frac{1723}{85} = 20 \quad G = 113 + 20 = 133$$

$$\alpha = \frac{180 \times 200.5}{133} = \frac{36090}{133} = 271^\circ - 360^\circ = 89^\circ$$

$$A = 630$$

$$a = 95.82$$

