# PITOT TUBE



3/4"

3.5"

1/4"

2"

1.5"

1/4"

3/16" Dia

D

B

C

A

3/16" O/D Brass Tube

Soft solder

1/8" O/D Brass Tube

Soft solder

12"

Turn from 3/16" Brass

3/32 rad

Section A

4off 1mm Dia holes
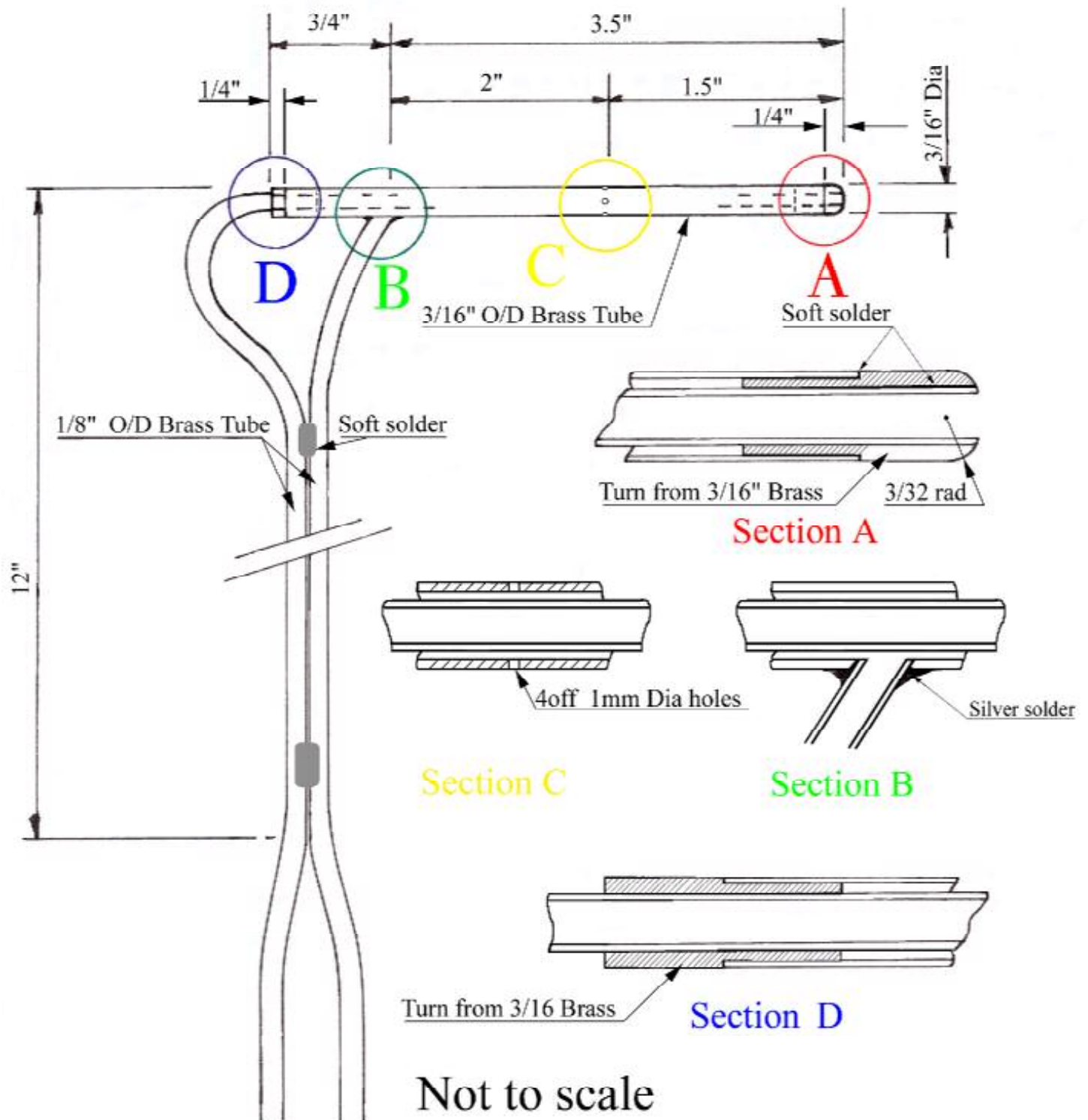
Silver solder

Section C

Section B

Turn from 3/16 Brass

Section D

Not to scale

$$\text{Velocity} = 18.29 \sqrt{\frac{h}{\rho}} \quad \text{ft/sec.}$$

Where h is pressure in inches of water

$\rho$ is air density in lb/cu. ft

The dimensions for this Pitot tube are based on the Britsh Standard B.S 1042 section 2.1 : 1983 and the construction modified for ease of manufacture.