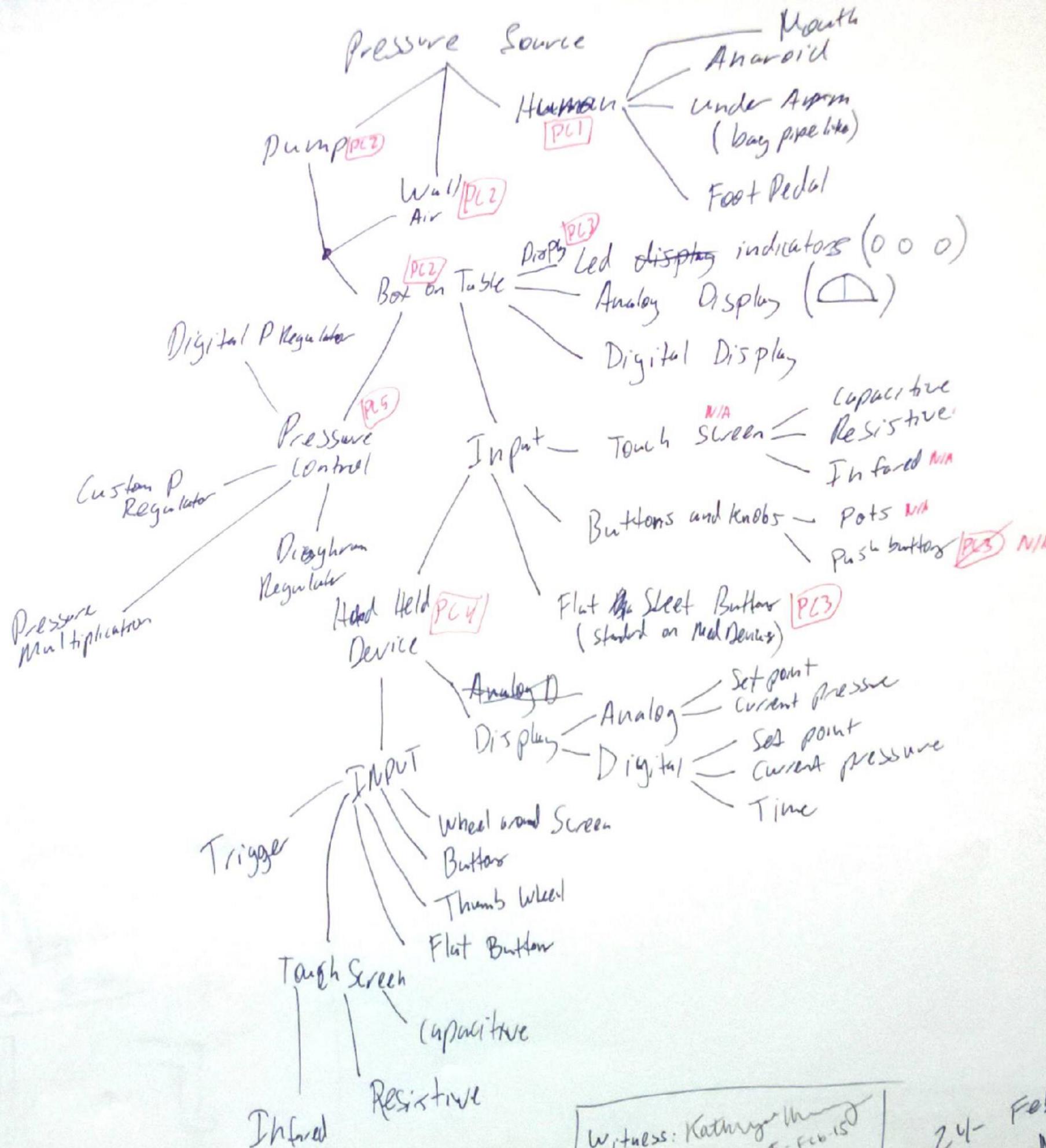


PCO



Witness: Katherine Mow  
25-Feb-15

24- Feb 15  
Michael Sobrepera  
Mow

# HUMAN PRESSURE SOURCE

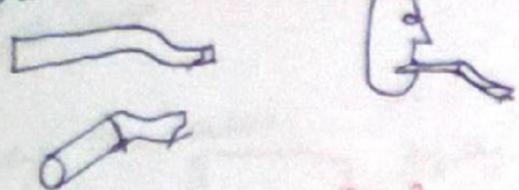
PC1

## Mouth:

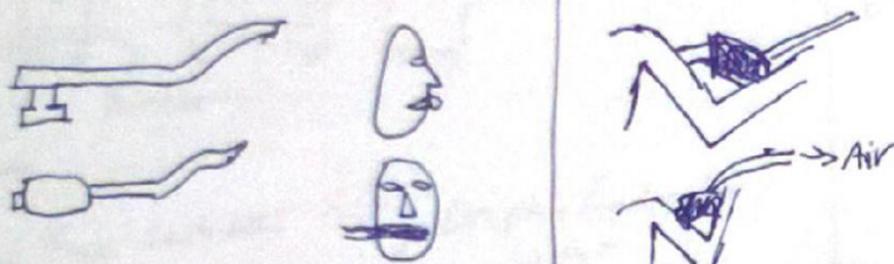
Mouth — Endotracheal tip

Mouth → Endotracheal tip

Straw: PC1-1

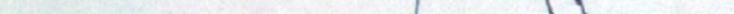


Compressed Body/Straw: PC1-2

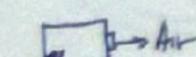


## Trigger:

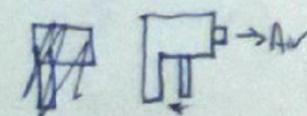
Pivot finger movement: PC1-3



Pivot Palm movement: PC1-4



Straight motion: PC1-5

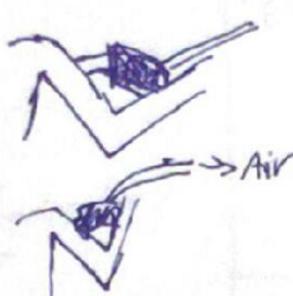


## Arm:

Under Arm/Bagpipe: PC1-6



Arm Flexor: PC1-7

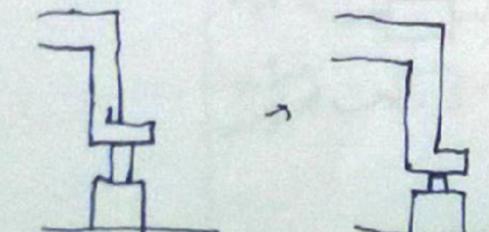


## Foot:

Ankle Pedal: PC1-8



Eye Piston: PC1-9

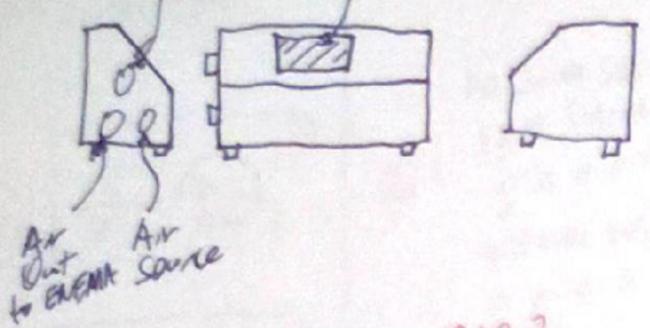


Witness: Katherine J  
25-Feb-15

Michael Schreper  
25-Feb-15

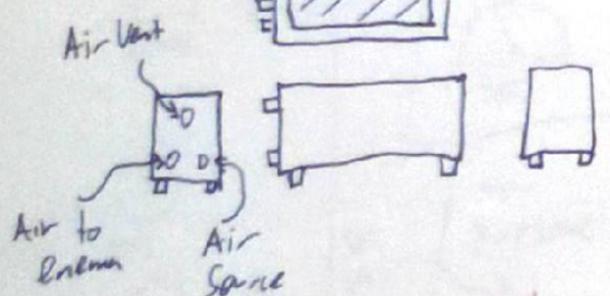
# BENCHTOP BOX

Angled Face: Air vent PC2-1  
Display / Indicator / Input

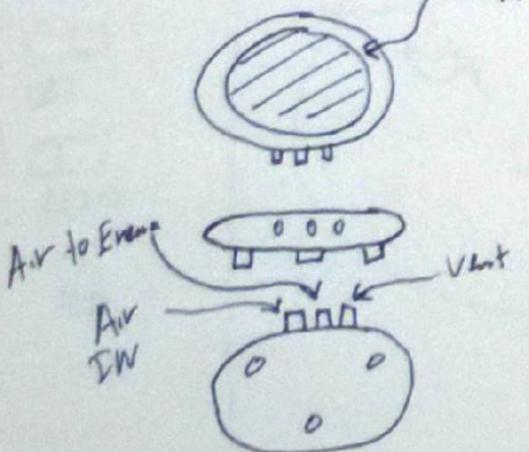


Front face controls: PC2-2  
Air Vent  
Display / Indicator / Input  
Air to Ename Air Source

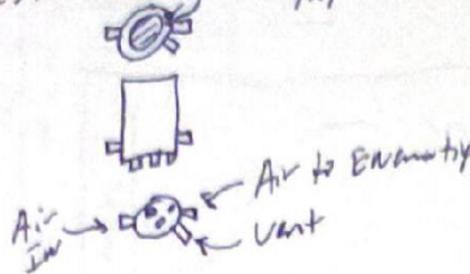
Top Face Controls: PC2-3  
Display / Indicator / Input



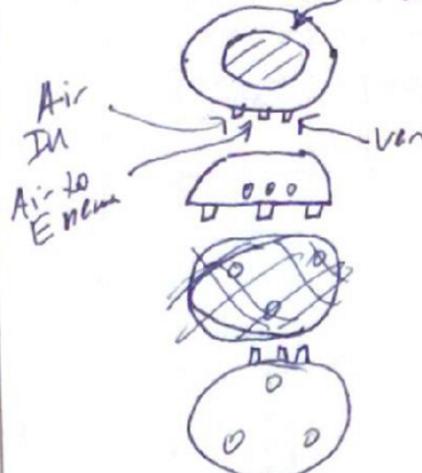
Flying Saucer: PC2-4  
Display / Indicator / Input



Can: PC2-5  
Display / Indicator / Input



1/3 Dome: PC2-6  
Display / Indicator / Input



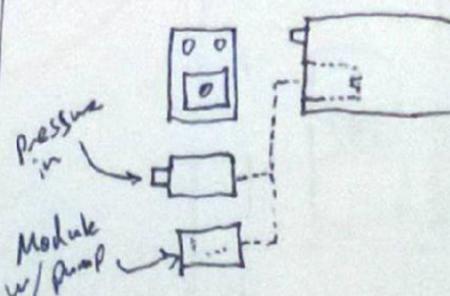
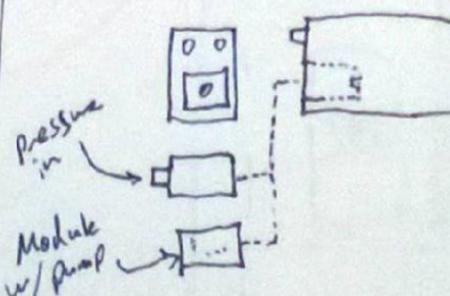
## Pressure INPUT:

From external: Seen in PC2-1 through PC2-6

External alternative:  
Blood pressure machine  
Pump

Internal: Blood pressure machine  
pump PC2-7

could be modular:



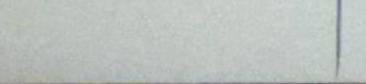
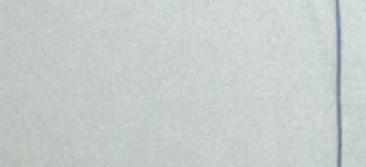
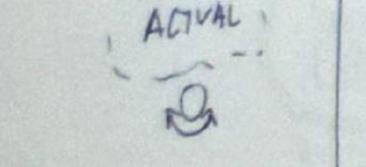
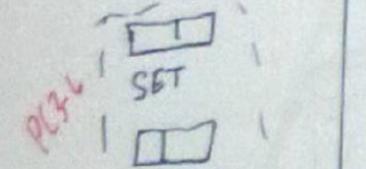
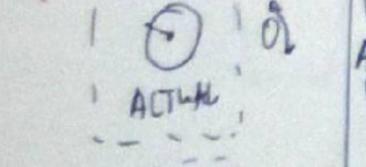
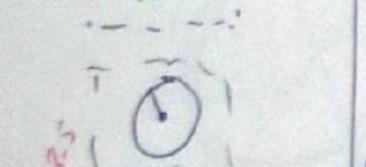
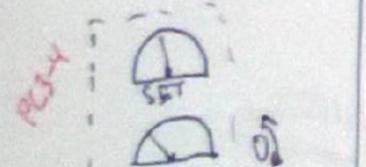
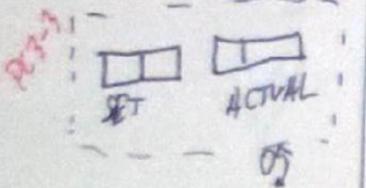
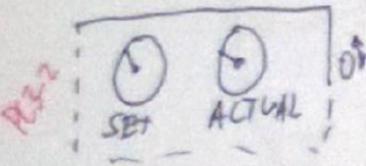
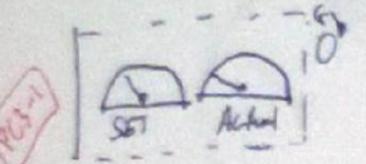
## NOTES:

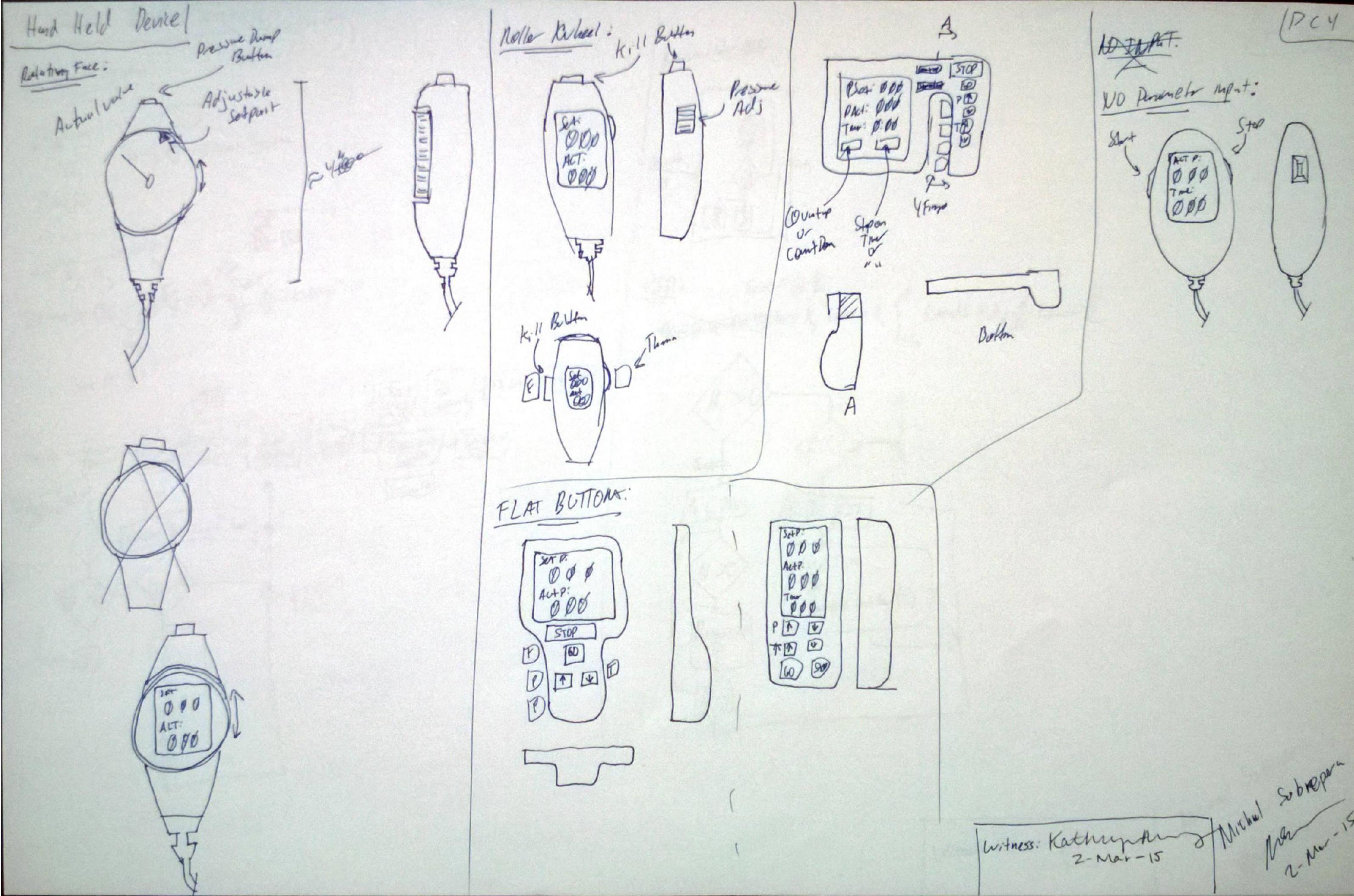
1. SS OR PLASTIC
2. ALL HOLES / VENTS AUTO SEAL / CLOSE FOR WASHDOWN
3. ALL BUTTONS / DISPLAY ITEMS MUST BE FLAT FOR WASHDOWN

Michael Sobrepura  
Witness: Kathryn May  
25-Feb-15  
Michael Sobrepura  
25-Feb-15

Display

Analog



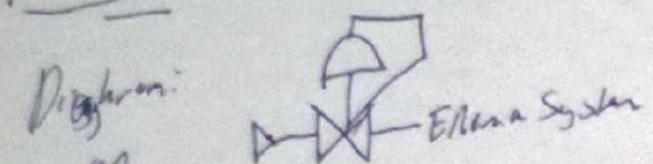


## Fundamental Pressure Control

## Prebuilt System

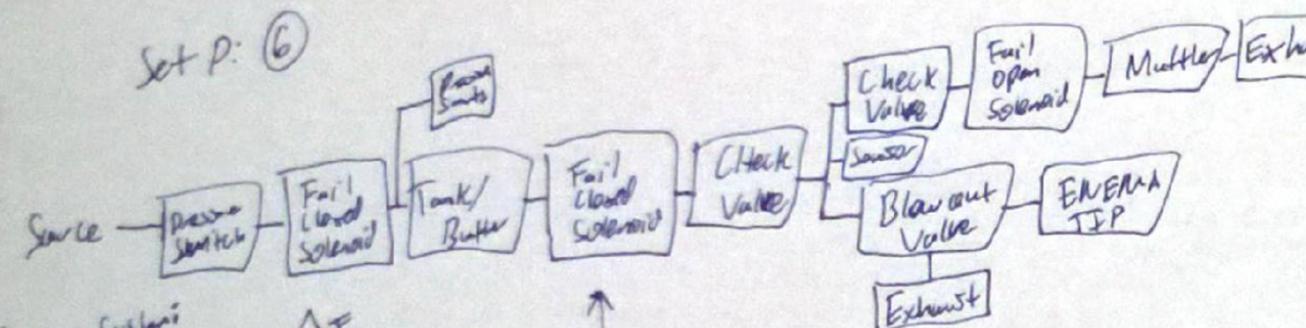
D. <sup>19</sup>  
ef.

Digitized

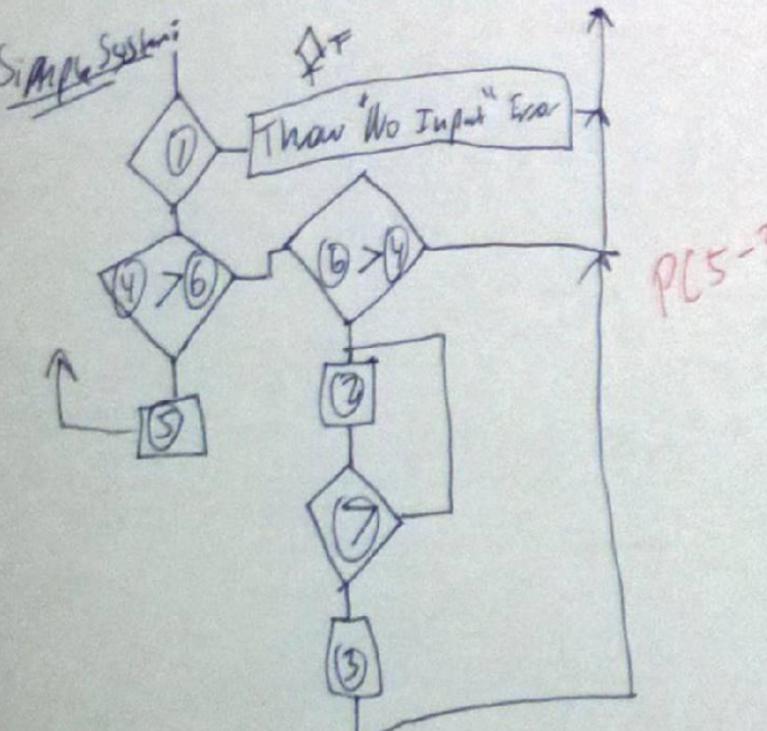


Cylinder System

Set P: ⑥

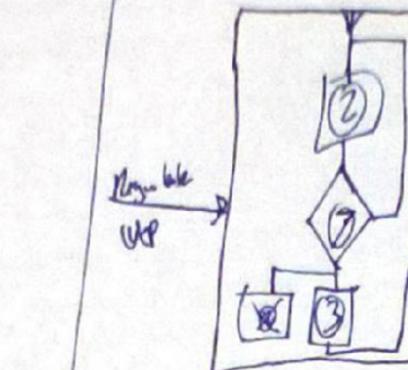


## Simple Systems



p65-

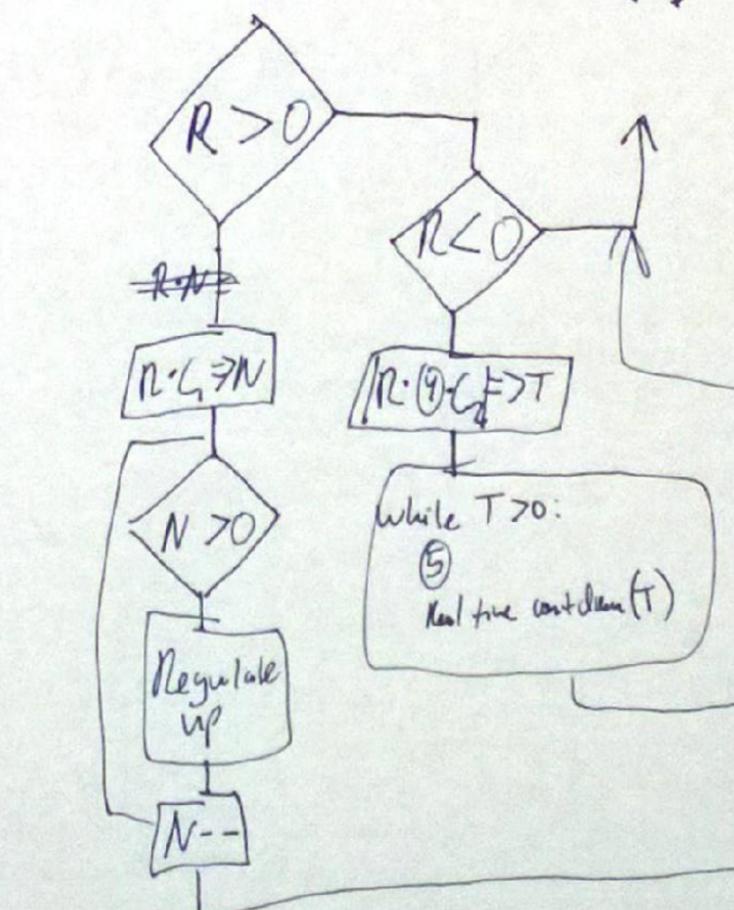
Regulations



PC5

PID: Error =

$$\text{Regulated output} = k_p \text{Error} + k_i \int_{t-t_f}^t \text{Error} dt + k_d \frac{d}{dt} \text{Error}$$



Witness: Kastanjek  
2 - Mar - 15

Michael Sobrepas  
~ Mar-15  
Wm