

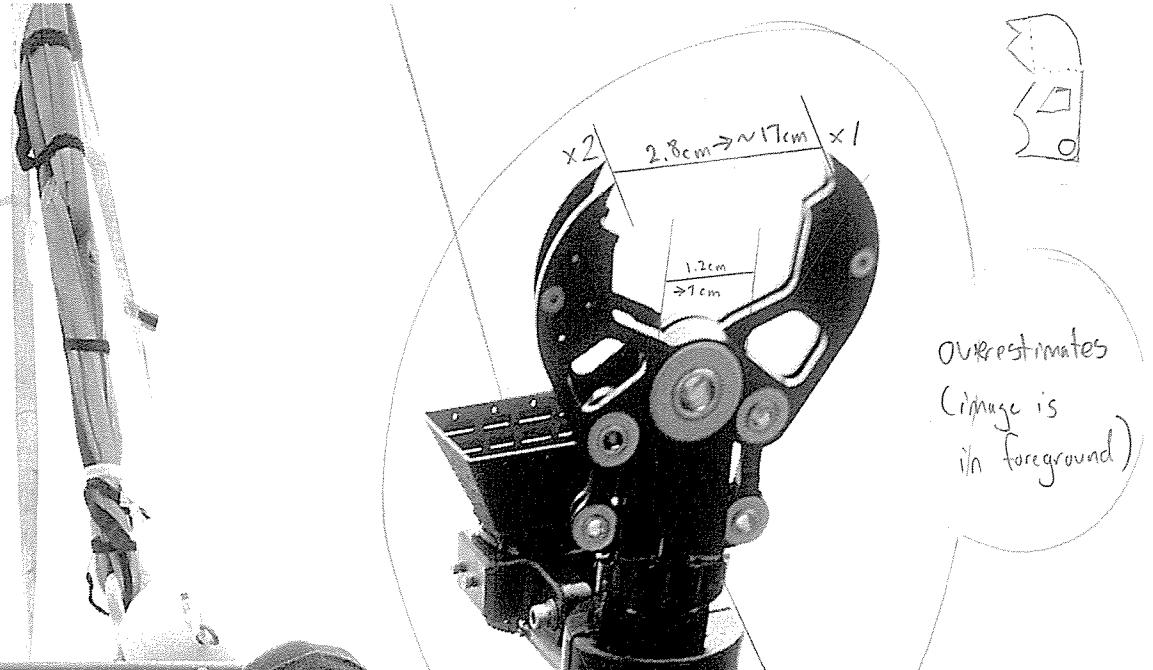
James Cameron is 1.87m.

I am 1.85m tall.

The forearm distance on

me is ~40cm.

This gives us a scale of  
~1:6 to help estimate  
sizes of components.



Boat

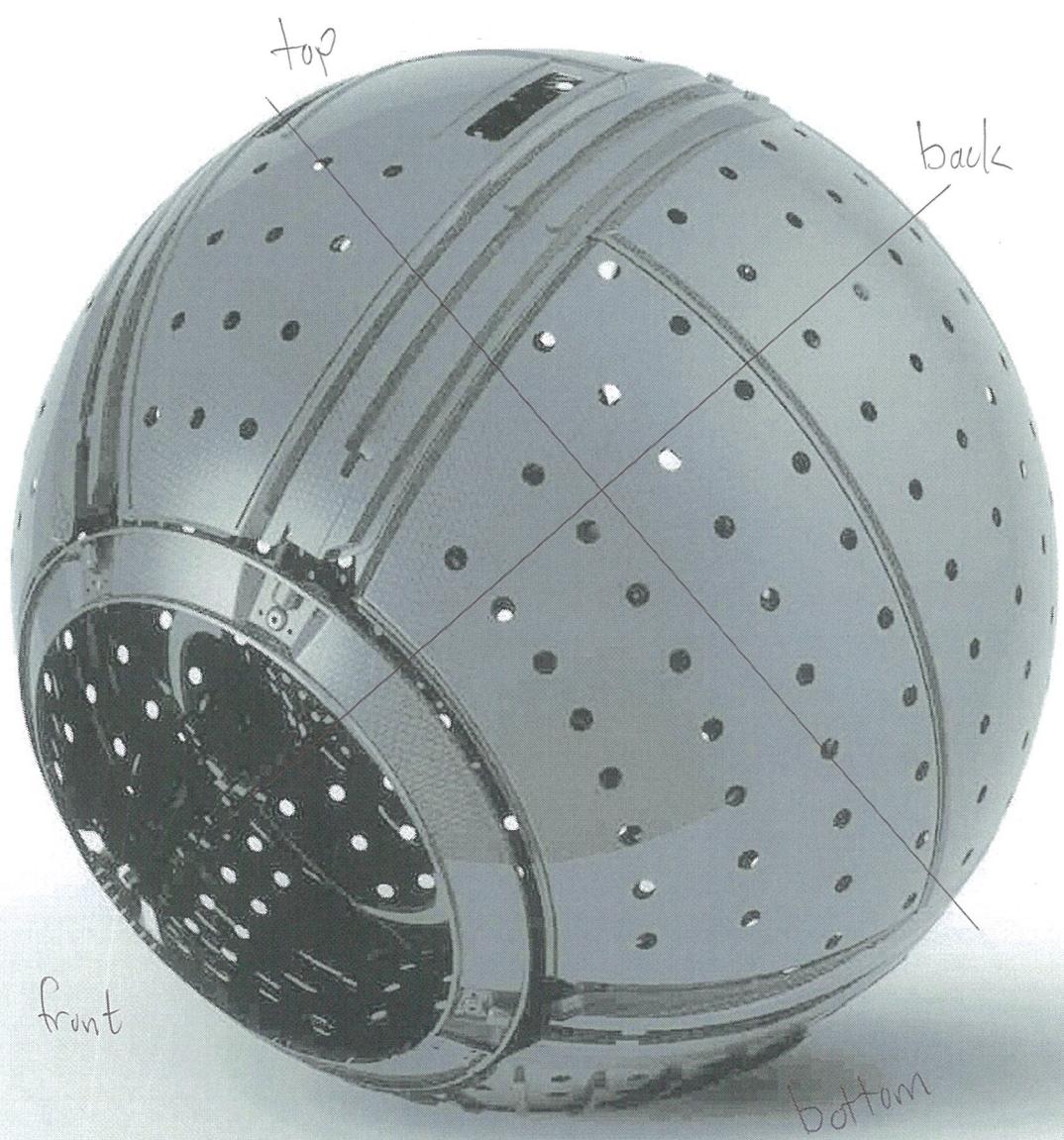


Vertical thrusters  
Handpoint  
Handpoint  
Top  
Handpoint  
Light array  
Ascent weights

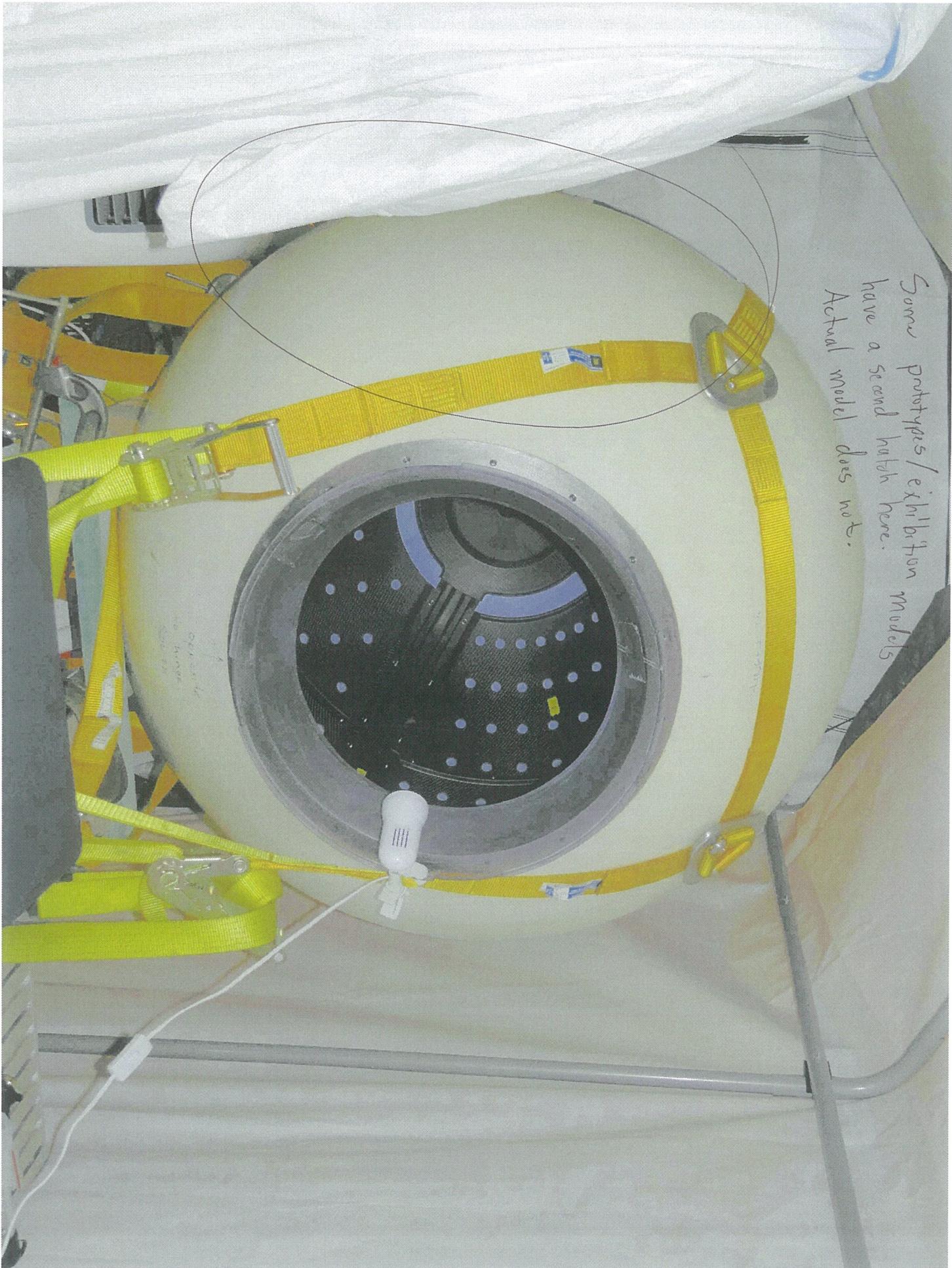


df

Total height is ~7.3 m



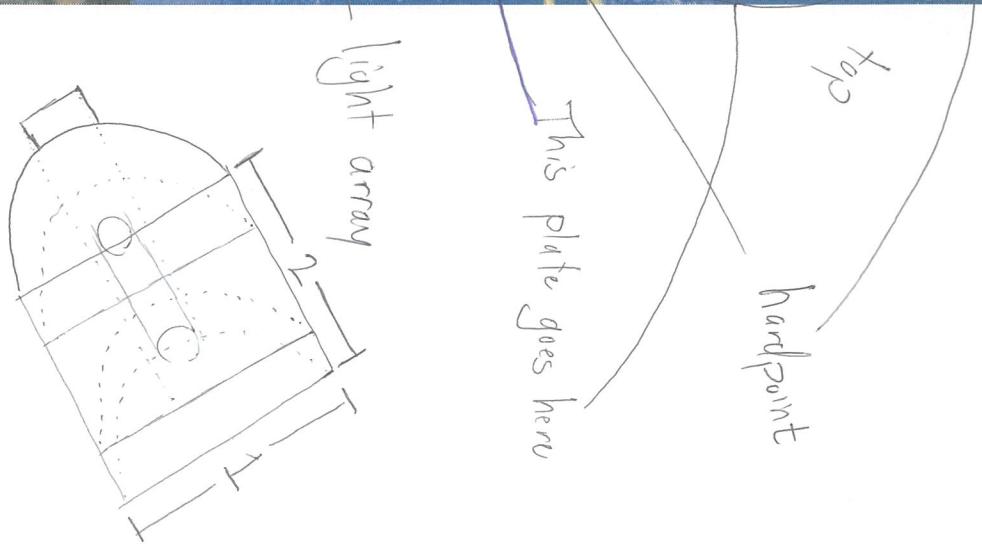
Inner shell



Some prototypes/exhibition models have a second hatch here. Actual model does not.

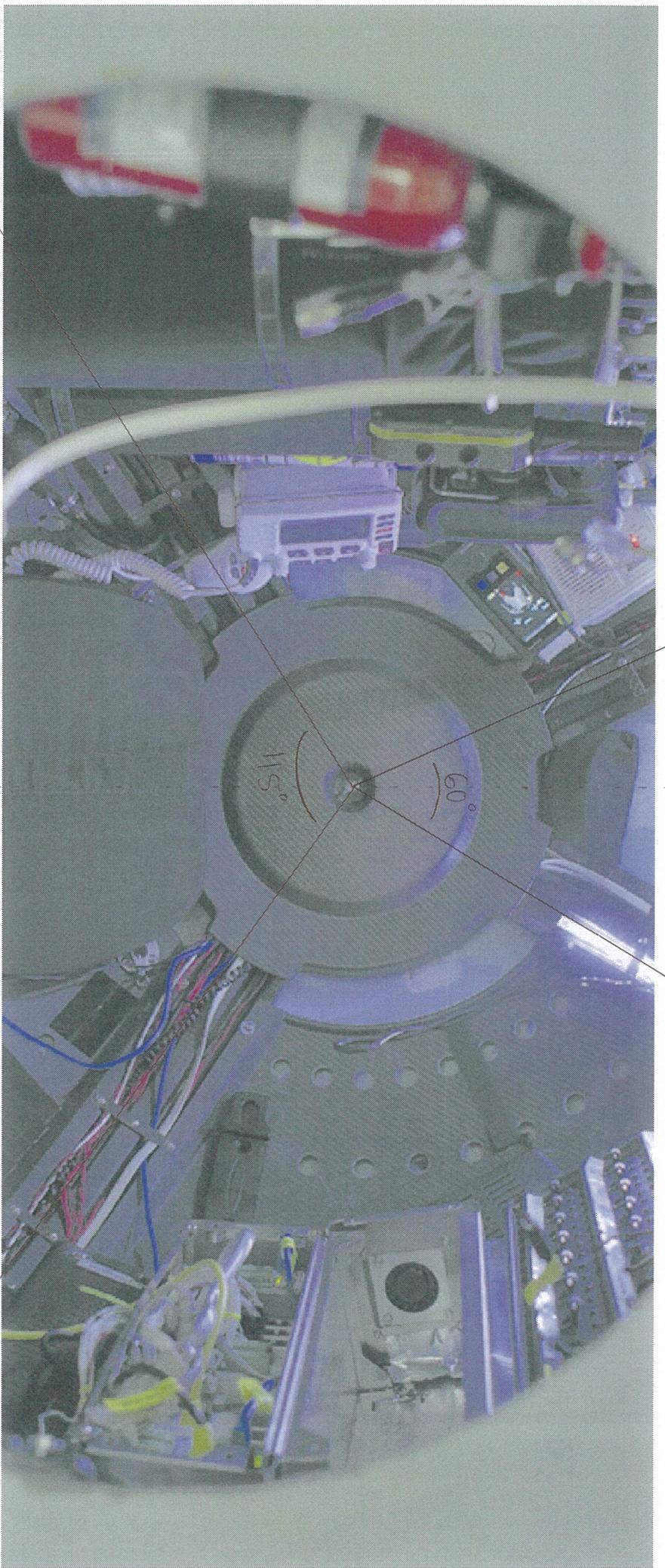
Actual pressure hull

Centered thruster

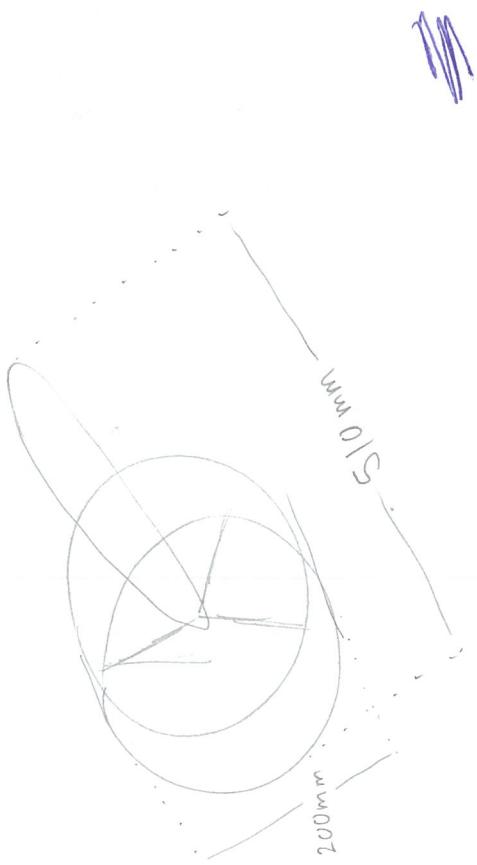


View port

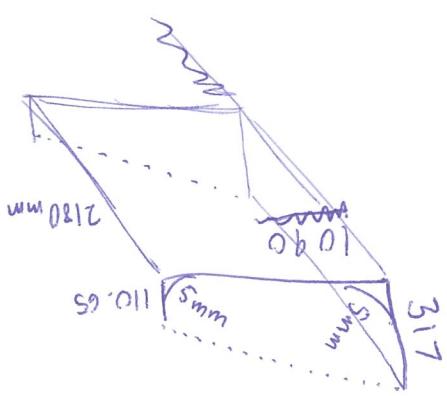




Inner shell view w/ equipment



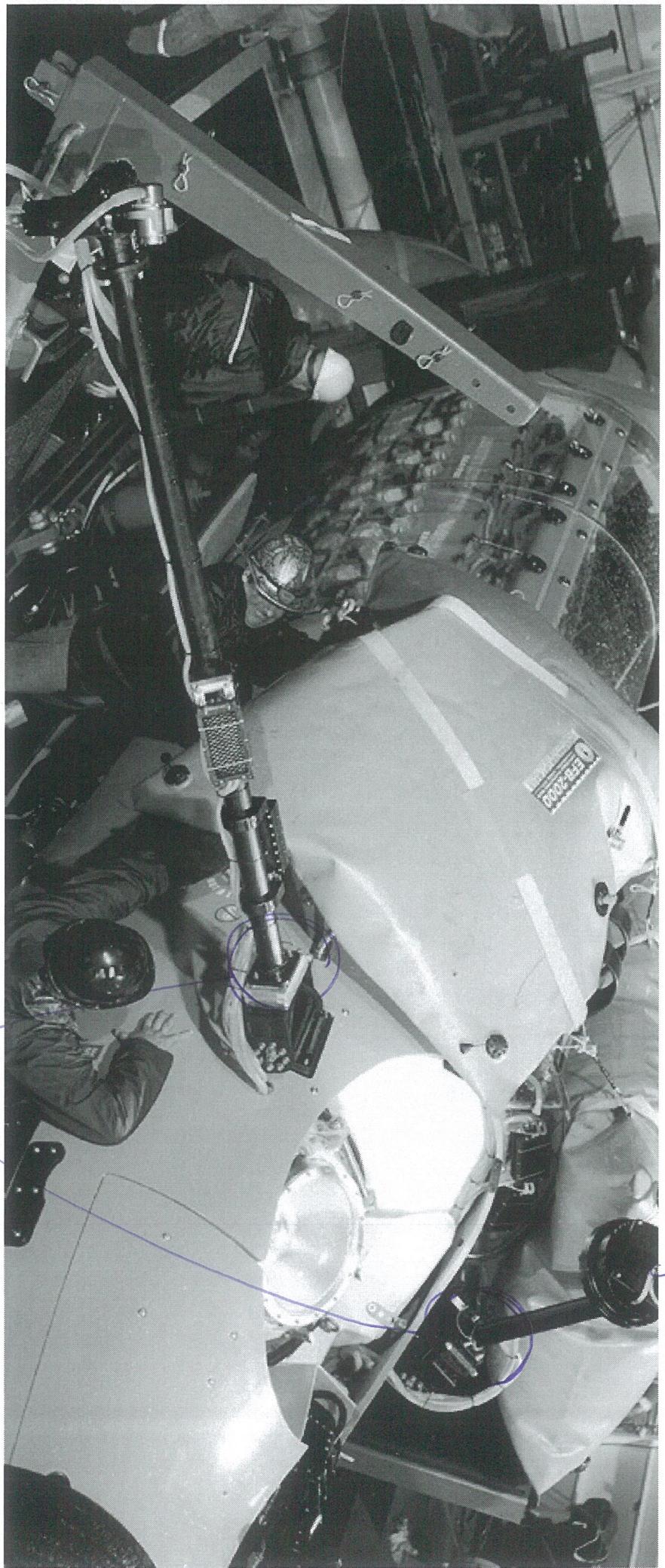
Vertical thruster  
profile



Weight  
release

↑↑↑  
↑  
↑↑↑↑↑↑  
(not part of)  
Challenger

Bottom



Camera  
boom

Booms are in  
secure mode

Light  
boom

top



bottom



Boat

Boat in travel mode

Weight release

3 vertical propellers per side

R 150

G 234

B 1

Green Medium-Gloss Plastic

front face is flat  
lights will be  
on back



This feature  
is only  
present on one  
(asymmetric) side



Bottom

Top

top



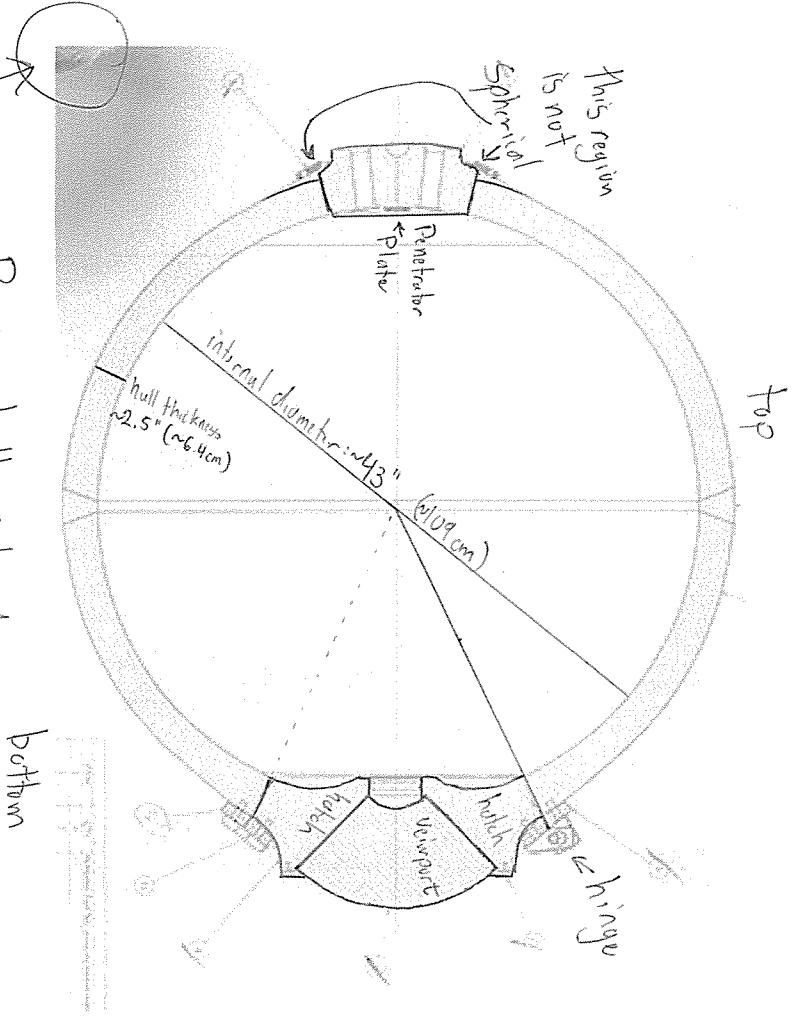
Side hatch is for  
prototype/exhibition  
models only.

bottom

hinge

Exhibition model  
Pressure hull

## Pressure hull schematic



Ron Allums' hull

Apologies for using "feet/inches."

Much of my research was intended

for American audiences. I have

included all conversions.