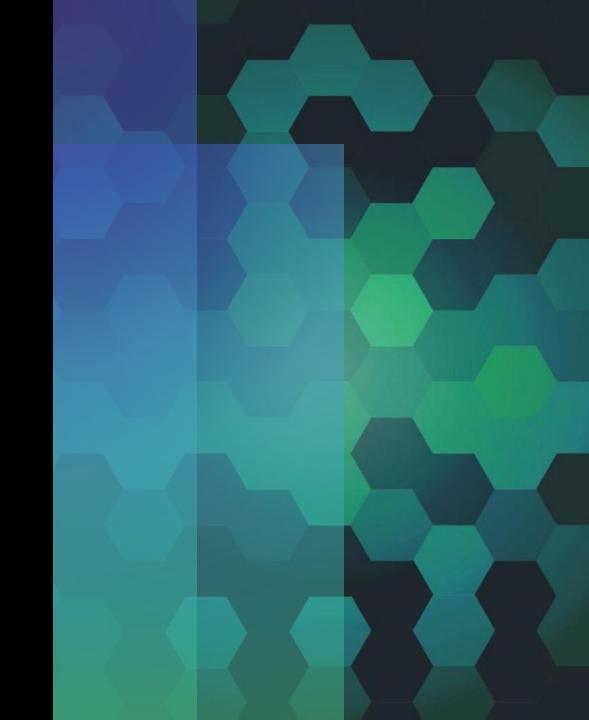
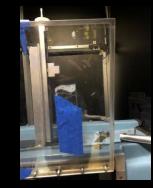
Wind Tunnel Testing Chamber Design

Petros Sklavounos







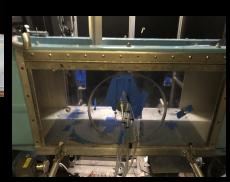




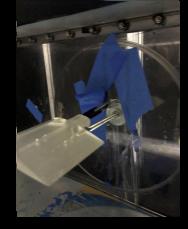














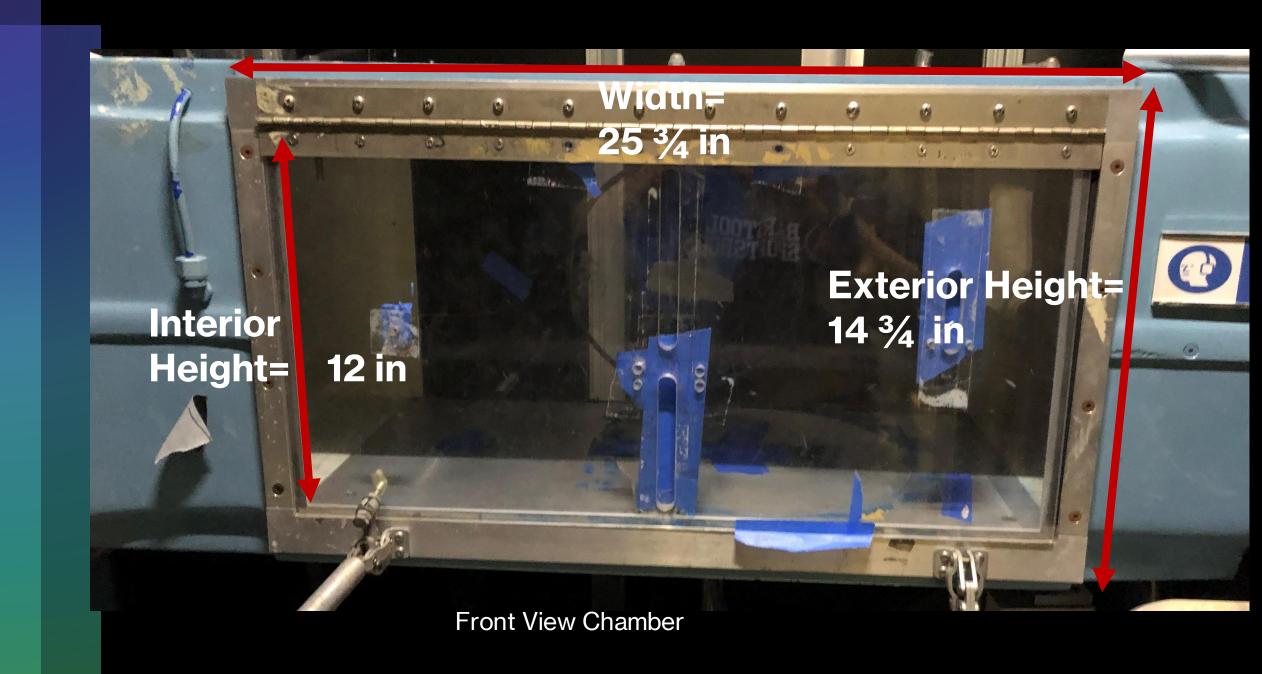


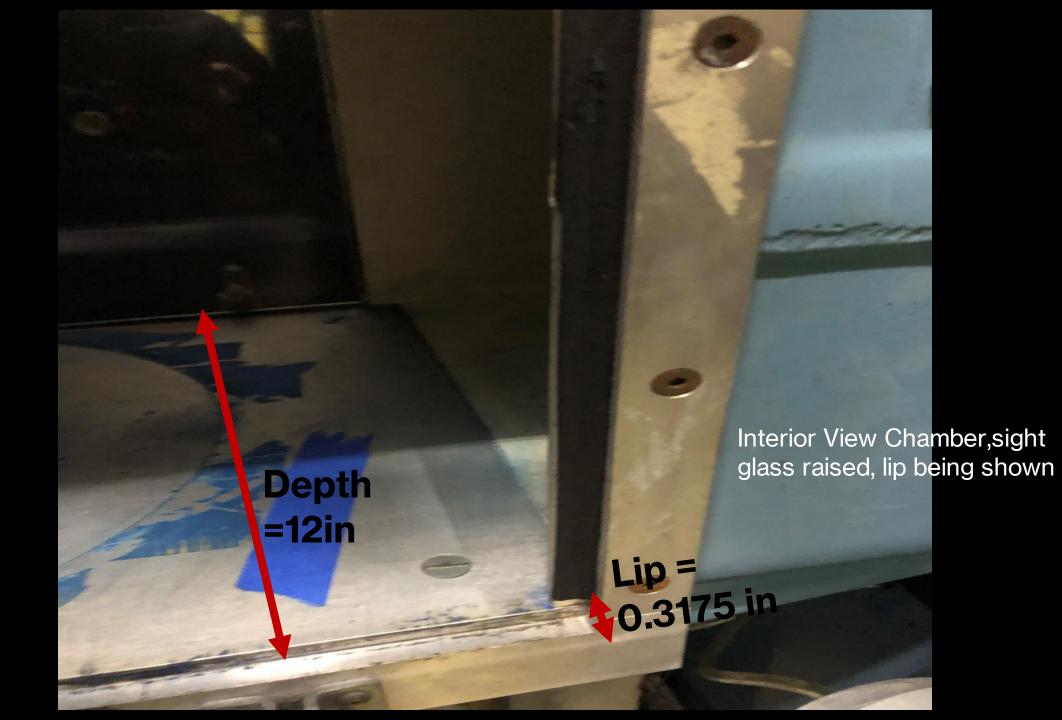






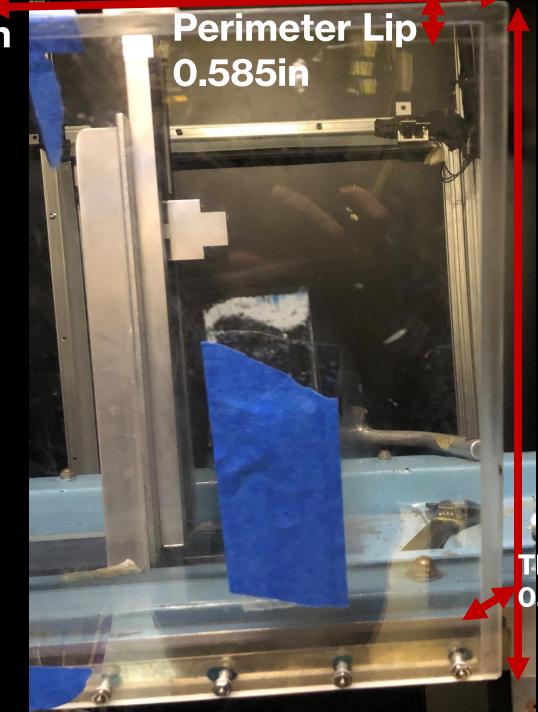
1. Current Dimensions





Width= 23 7/8 in

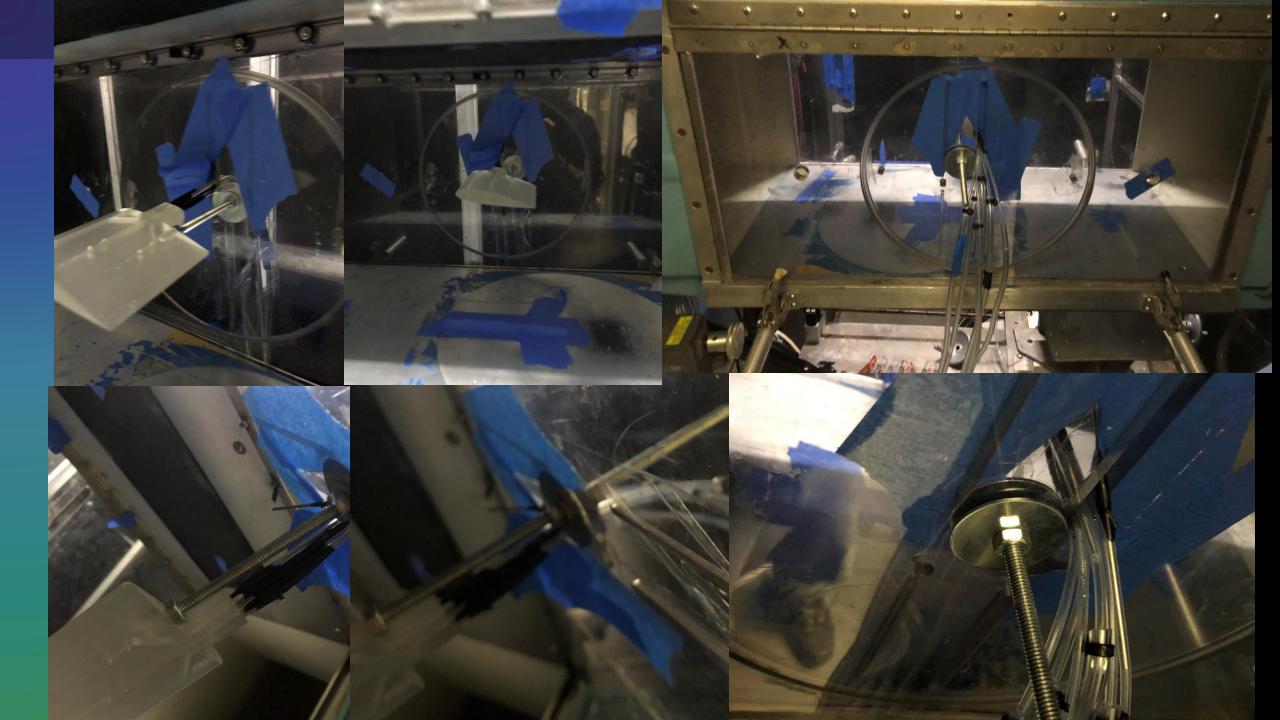
Plastic viewing glass



Length = 12 3/8in

Thickness = 0.2548 in

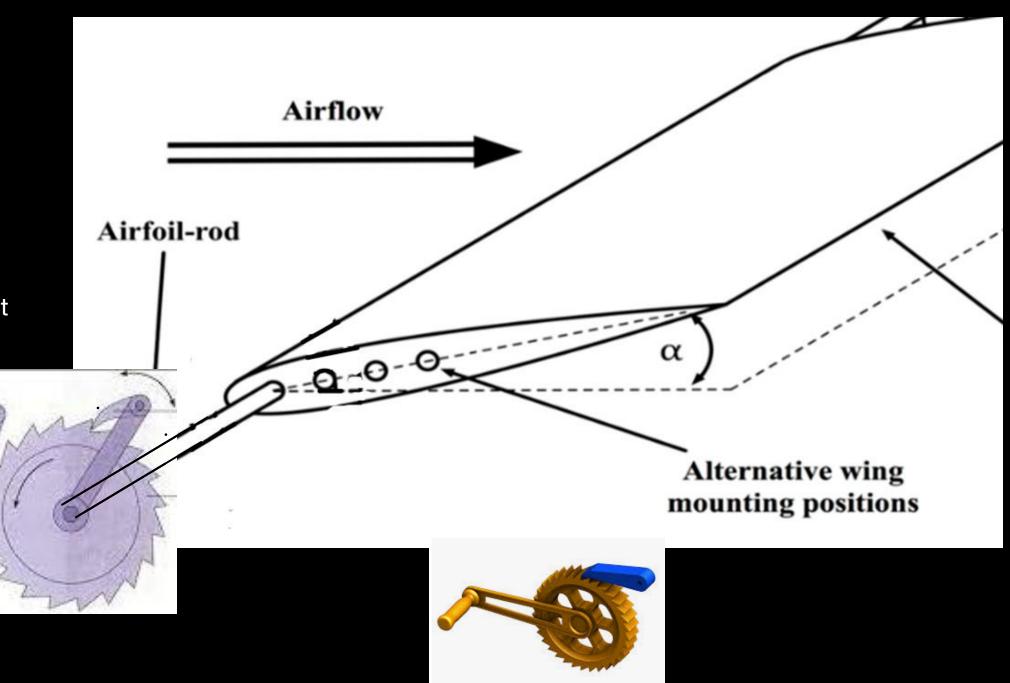
2. Current Mounting

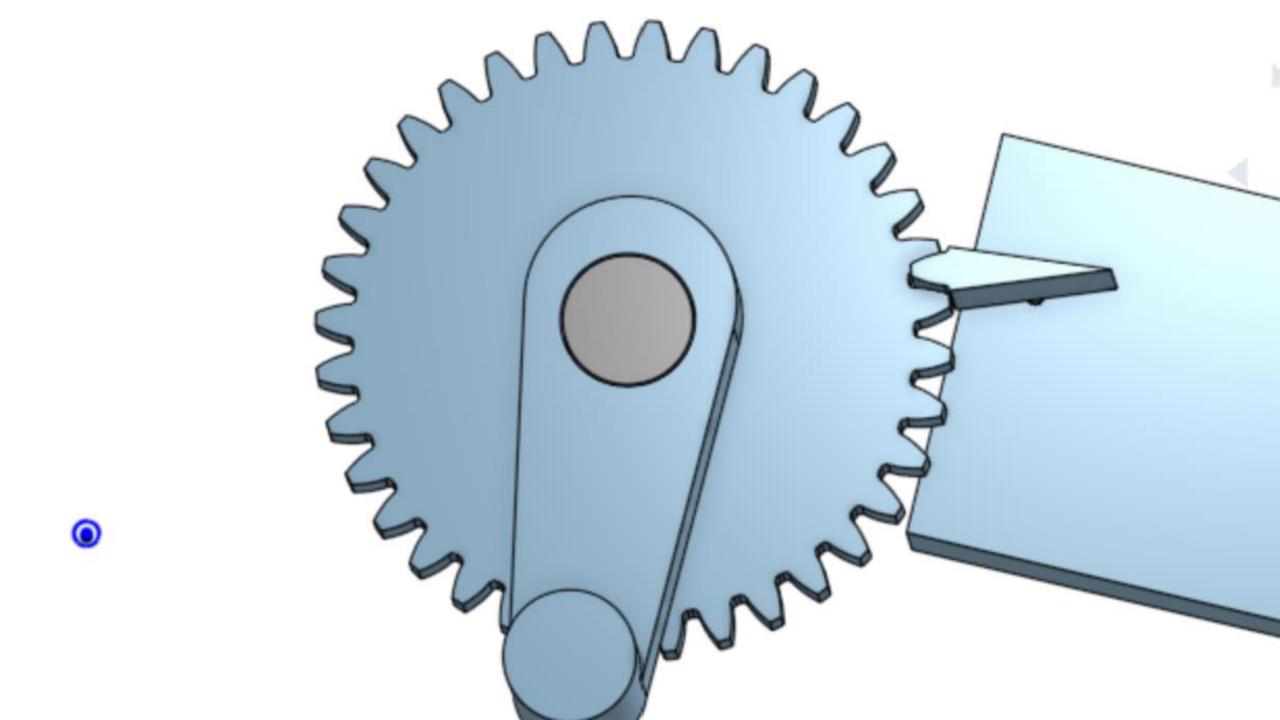


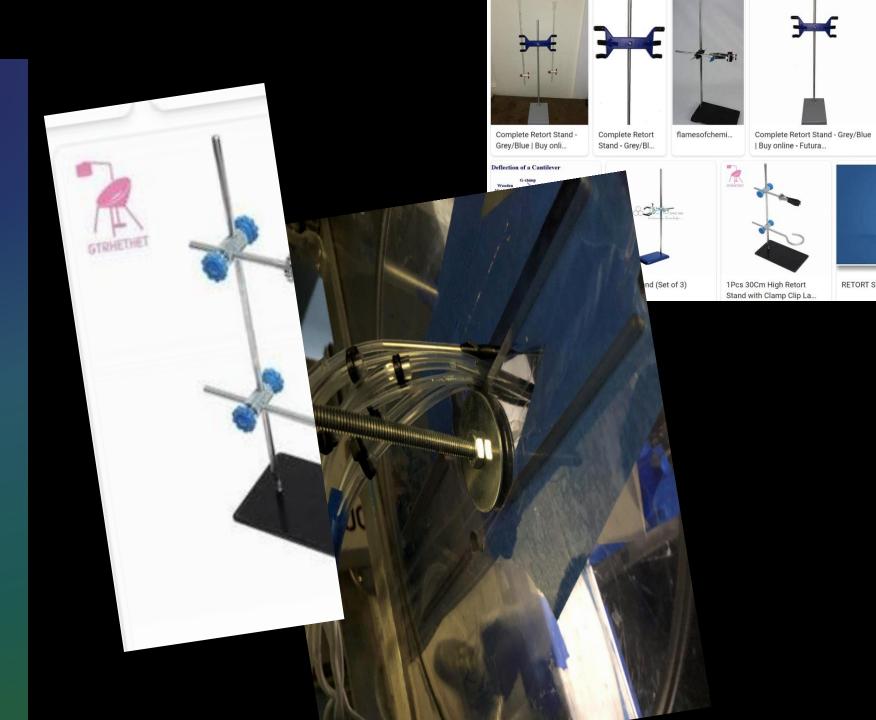
3. Mounting Ideas

Ratchet and spawl to allow for angle iteration without touching the mounted air foil.

Allows for angle measurement (each tooth is a certain fraction of a circle) -prevents movement in the opposite direction













Retort Stand Kit - Haines Educational



RETORT STAND Manufacturer, Supplier



p11



RETORT STAND 20 X 1 BASE 60CM ROD - ..

Acid and Alkali

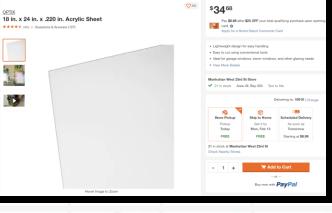
Mind42

4. Parts List

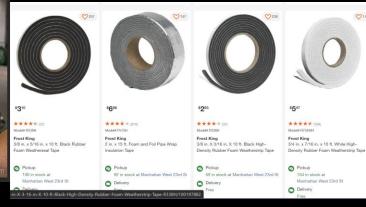
Brainstorm ideas session

Plexiglass (Acrylic sheet) 18x 24x 0.220 in from home depot for example (thickness a bit bigger)

Insulation: gun or tape or rubber







Actual List

		Bill of mater		erials						
		Quantity of air chambers:		1						
1	Date	Material	Quantity	Dimensions	Thicknenss	Unit Price		Tot	al Price	Link
	4/7/2023	aluminium sheet	1	12" Wx 24" L	0.19"	\$	85.05	\$	85.05	https://www.mcmaster.com/catalog/89015K32
received	4/8/2023	Plexiglass	2	24" W x 12" L	15/64"	\$	26.68	\$	53.36	https://www.mcmaster.com/catalog/8560K222
pending orde	4/9/2023	Vertical T-slots+shorter h	6	12"L x 1.0"W	1"	\$	12.17	\$	73.02	https://www.mcmaster.com/catalog/47065T101
	4/10/2023	LongHorizontal T-slots	4	24 "L x 1.0" W	1"	\$	27.44	\$	109.76	McMaster-Carr
	4/11/2023	Hinges+mounting	4	1" high rail		\$	19.39	\$	77.56	https://www.mcmaster.com/47065T347/
	4/12/2023	Toggle clamp with Handle	4			\$	63.93	\$	255.72	https://www.mcmaster.com/catalog/6812N158
	4/13/2023	Low carbon steel sheet to	1	24x24		\$	73.72	\$	73.72	https://www.mcmaster.com/catalog/6544K62
		T-Slotted FraminAngle								
	4/14/2023	Bracket for 1" High Rail	4	for 1"		\$	17.05	\$	68.20	https://www.mcmaster.com/catalog/3136N157
	4/15/2023	interior I bracket	4	for 1"		\$	7.92	\$	31.68	https://www.mcmaster.com/catalog/47065T236
						Total price		S	828.07	
						estimate v	with tax	\$	901.49	
	4/13/2023	interior I bracket	4	for 1"		\$	7.92	S	31.68	https://www.mcmaster.com/catalog/47065T236