**Full Scale Build Schedule**

Elon Rocket Team

**1/11**

* Check parts list
* Cut Body Tubes to length
	+ Upper tube- 42mm
	+ Lower Tube- 98cm
* Cut coupler to length- 14cm
	+ Forward coupler collar- 3cm
* Cut 75mm Motor Mount Tube to length- 62.5mm
* Check 3d printed 54mm centering ring fit
* Cut 54mm MMT to length- 63.5cm
* Assemble 54mm MMT with Bulkheads
	+ Add Epoxy Clay Fillets
* Cut Connecting rods to length

**1/12**

One person- Fill and sand body tube lines

Team-

* Check bulkhead fit on 75mm MMT
* Drill holes for 75mm MMT connecting rods in all three bulkheads using jig
* Drill 56mm (2.25in)+ hole in forward bulkhead
	+ Drill Holes for U Bolt
* Glue rear bulkhead to bottom of MMT
* Glue Middle Bulkhead 18cm up from bottom bulkhead
* Glue Forward Bulkhead collar to MMT
* Glue upper bulkhead to MMT Collar
	+ Add fillets
* Add connecting rods
	+ Epoxy and clay front end bolts
	+ Add bolts/washers at middle bulkhead
* Add U-bolt
	+ Glue threads + epoxy clay end

**1/13**

* Cut out fin shape
	+ Sand fins to airfoil
* Glue fins in fin can
* Position Fin can for body tube slots
	+ Mark body tube slots
* Cut body tube fins slots all the way through end (19cm up)
* Test fit MMT Assembly

**1/14**

Keeley-Test/program altimeter

* Add Fillets to fin attachment points with epoxy clay
* E-Bay
	+ Glue Coupler into forward body tube
	+ Glue coupler collar into forward body tube
	+ Drill holes for E-Bay connecting rods in two bulkheads using jig
	+ Drill holes for wires
	+ Drill holes for u-bolt
	+ <https://www.youtube.com/watch?v=WYZ6jTp1qZY>

**1/15**

* Install Altimeter onto e-bay sled
	+ Drill holes in mounting points for altimeter
	+ Screw altimeter down
	+ Wire Switch and note position
	+ Drill hole in body tube for switch access
	+ Drill 4- (.25 inch) holes in body tube for altimeter sampling air
	+ Install terminal blocks
	+ Attach pvc caps to bulkhead faces for ejection charge wells
	+ Install sled onto ebay connecting rods
	+ Wire ejection charge leads to terminal blocks
	+ Install ebay bulkheads
* Install 75mm MMT assembly into lower body tube
	+ Drill small hole for forward bulkhead, inject epoxy onto ring
	+ Add epoxy clay ring into top for forward bulkhead to smush
	+ Add epoxy clay ring to bottom centering ring attachment point
	+ Epoxy fin slots
	+ Add fin fillets with epoxy clay
	+ Add fillet to bottom of rear bulkhead

**1/16**

* Nose Cone
	+ Rough sand inside tip of nose cone
	+ Flame treat inside tip
	+ Install Nose mounting plug using epoxy/clay
	+ Cut out nose bulkhead
	+ Install recovery eye bolt
* Motor Mount
	+ Check 54mm MMT fit with case
* Make 54mm MMT retainer
* Make Motor retainer

**1/17**

* Cut shock cord to length
	+ 7-10 feet front
	+ 15-17 feet rear
* Make loops
* Attach shock cord to bulkheads
* Rig Parachutes
* Test fit chutes

**1/18**

* Test Ejection Charges
* Reset everything

**1/19**

* Paint?