Appendix C – Truss Construction

Figure 1: When connecting main tubes together, use a channel to keep the tubes straight while curing. This steel plates keeps the tubes seated in the channel while curing, ensuring a concentric tube connection.

Figure 2: When cutting the main tubes to length prior to inserting into fixture, grind the ends down to match the angle of the end caps.

Figure 3: When constructing the center section, begin by cutting the center tube to length and setting in place on center. Then make each of the four downward angled tubes (you can see two in this photo connecting to the center tube) and join them to the center.

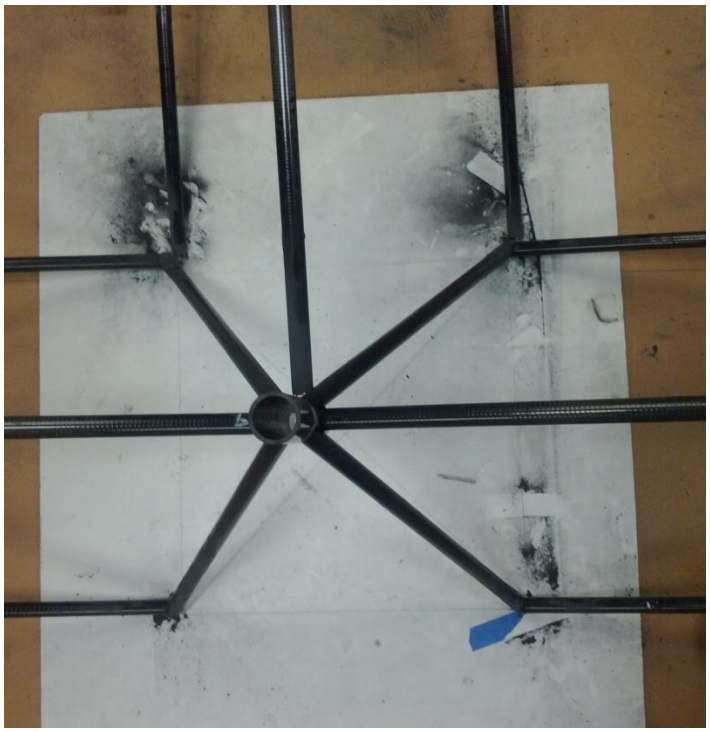

Figure 4: This is what the center section should begin to look like once three out of the four arms are in place. Note: At this state the connections are fragile and the airframe should not be handle or transported until additional tubes are bonded into place.