



Frame Design Review

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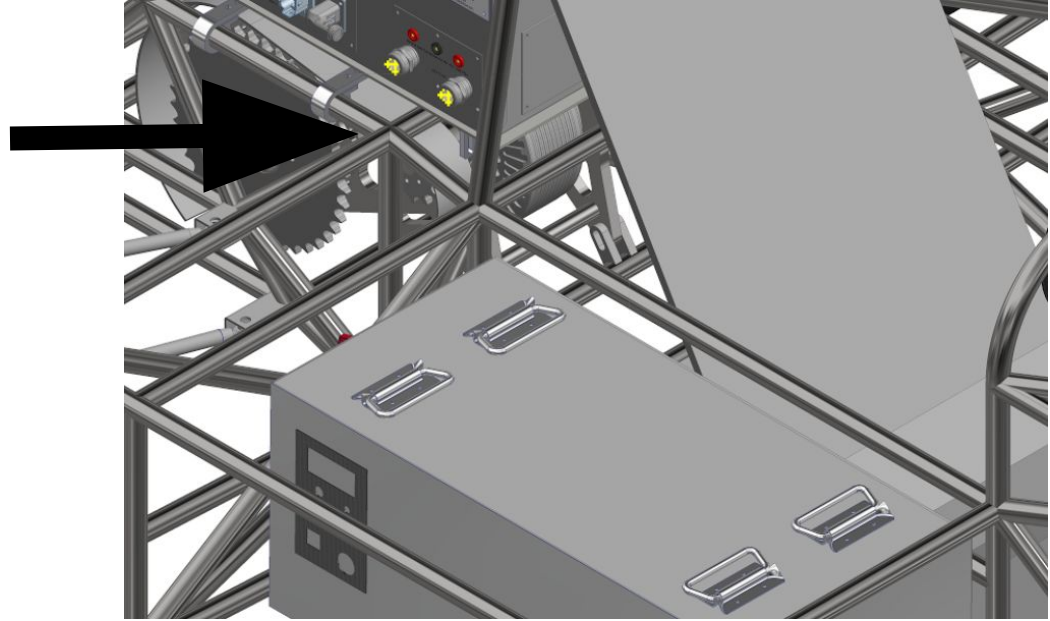


Criticism From Last Design Review

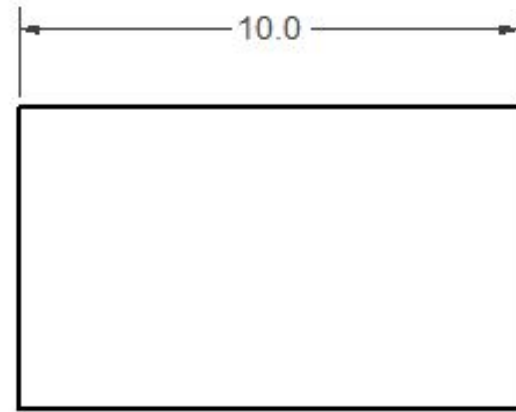
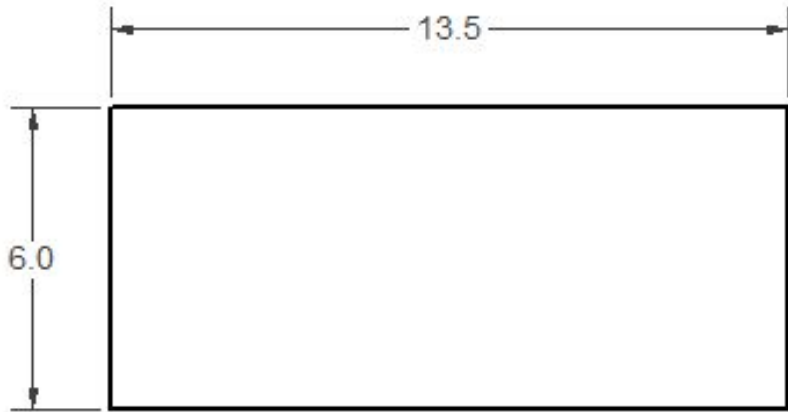
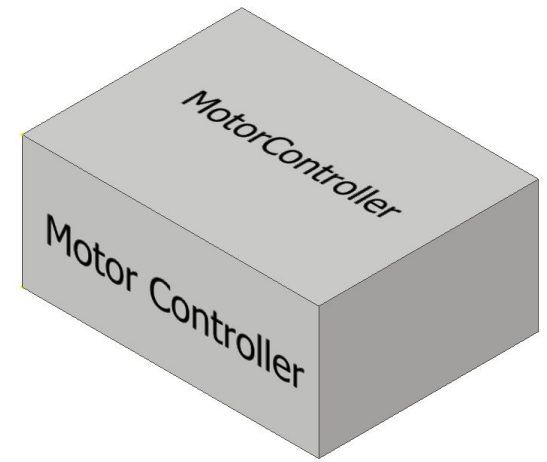
- Rear suspension pick-up points
 - We would like to keep the same arms and as last year
- Physical space for:
 - Carman
 - Motor Controller
 - GLV Battery
 - Radiator and Fan
 - Suspension
 - Wires and hoses
- Half Shaft travel
 - Giving it enough space to move vertically

Moving Forward with One Design

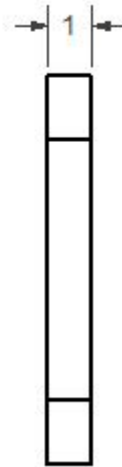
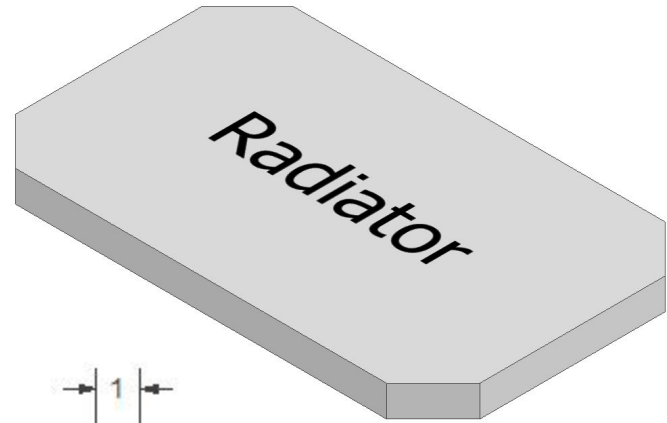
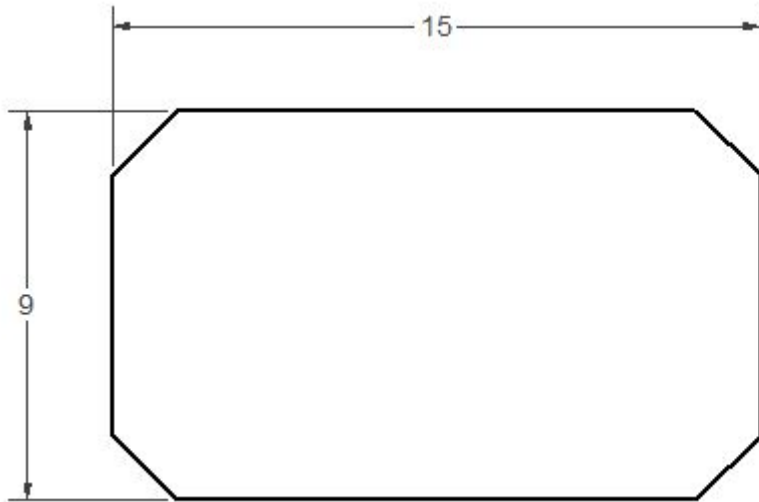
- Doing the same job with both frames
 - Boxier
 - Expanding the rear envelope
- Scope of work has changed
 - Side Pod attachment point



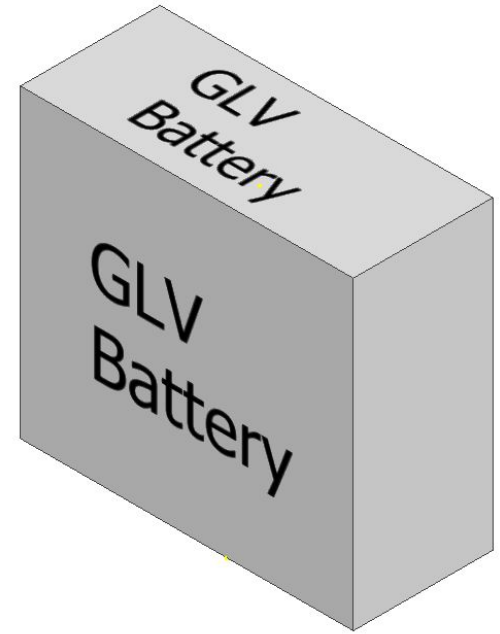
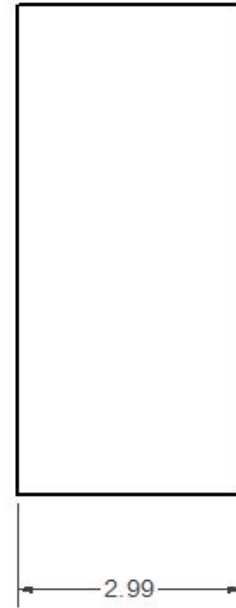
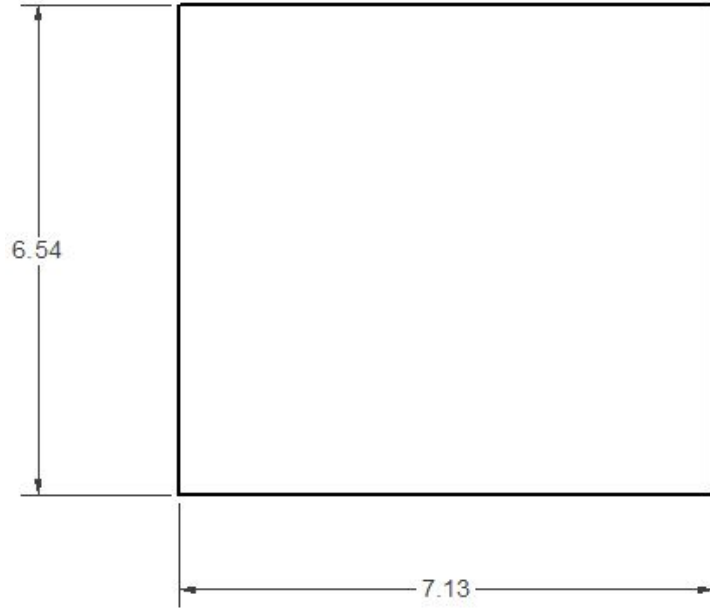
Motor Controller



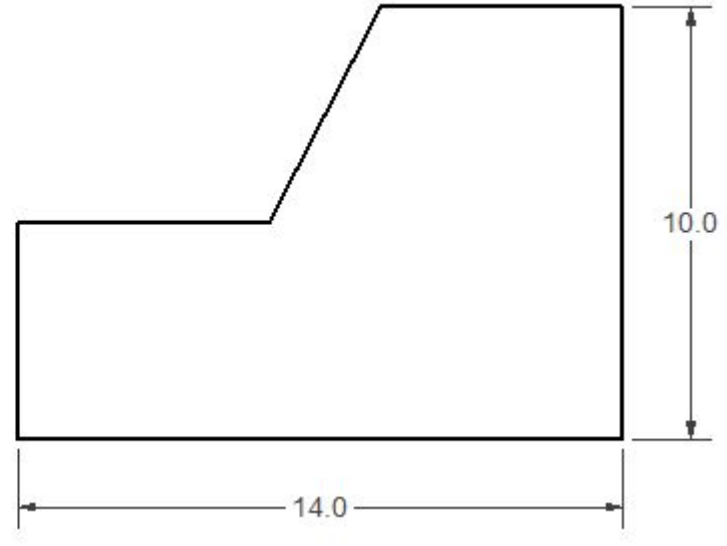
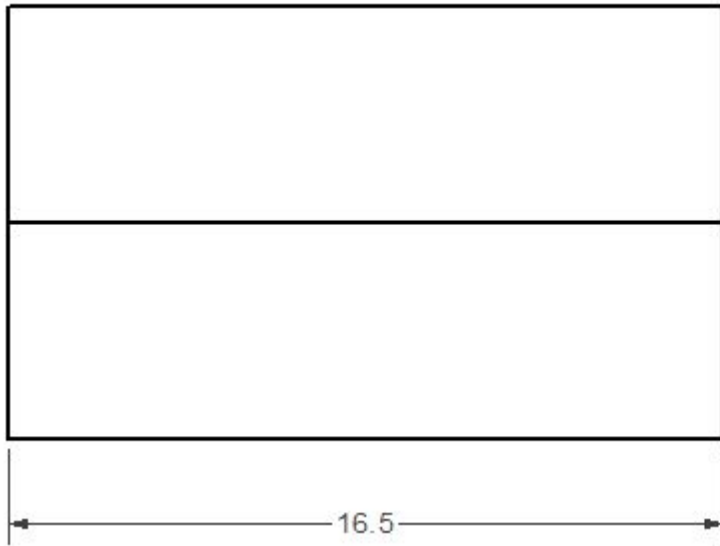
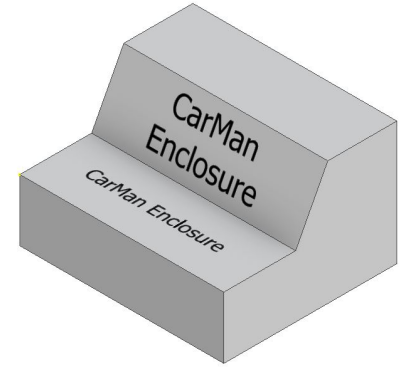
Radiator



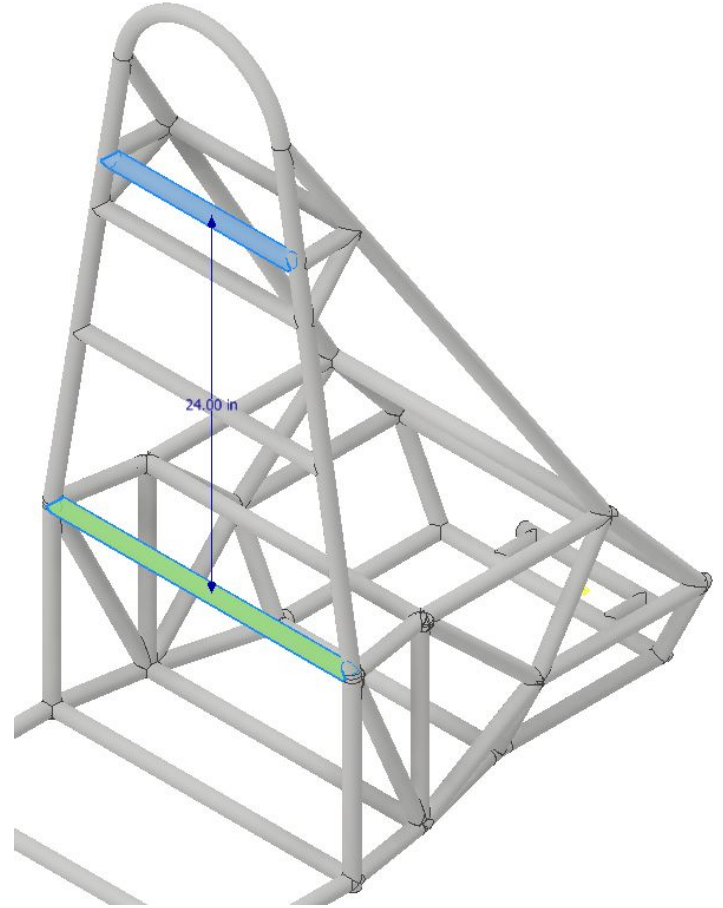
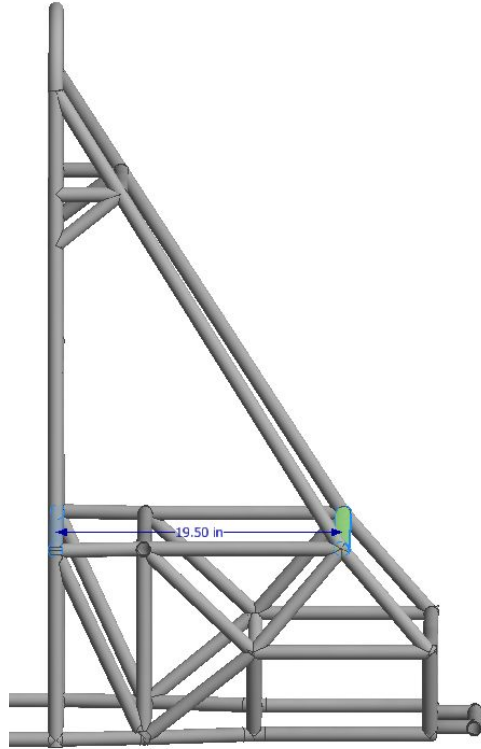
GLV Battery

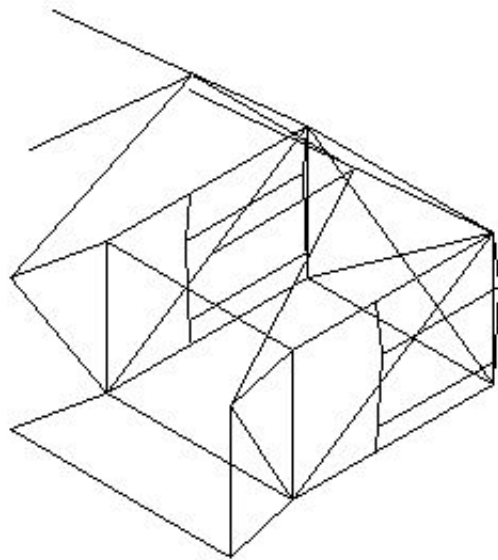
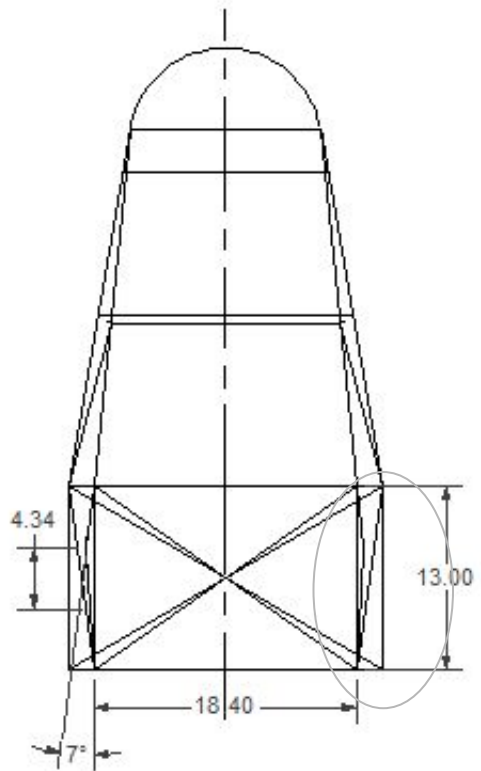
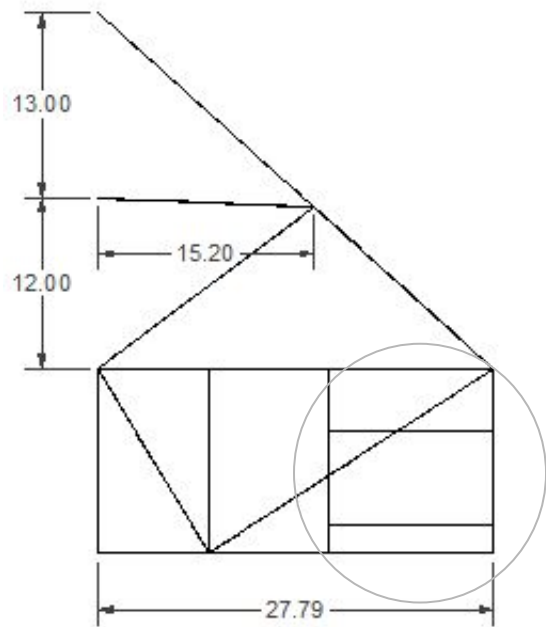


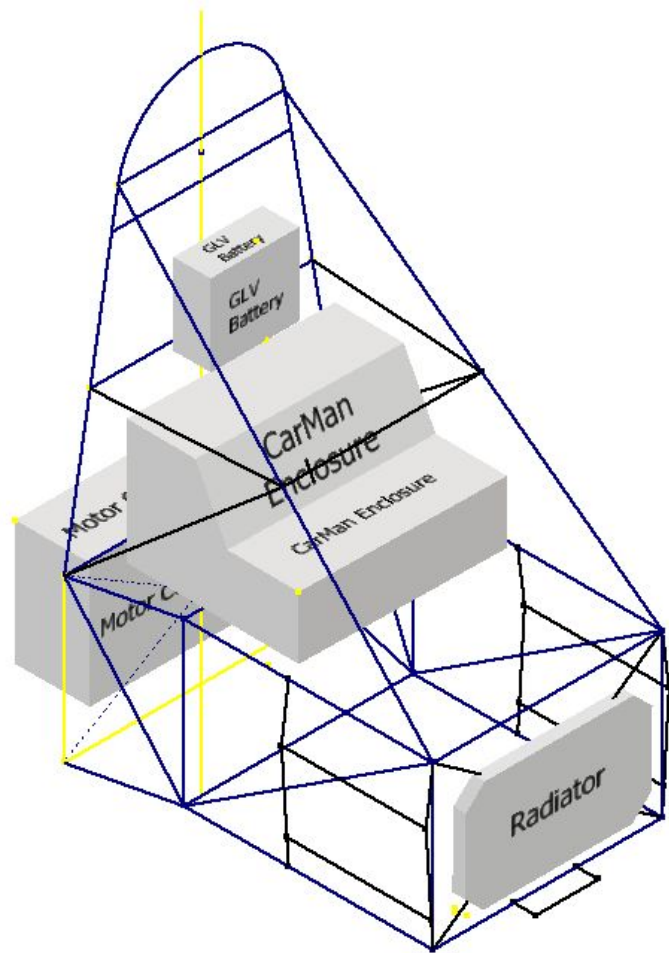
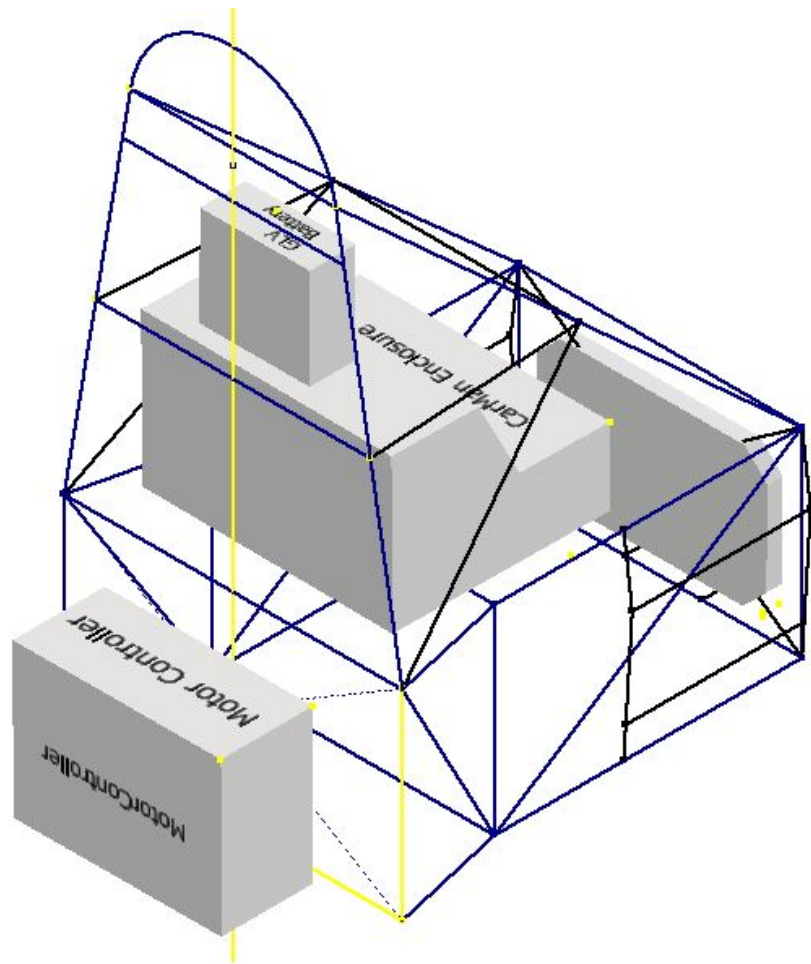
Carman Enclosure

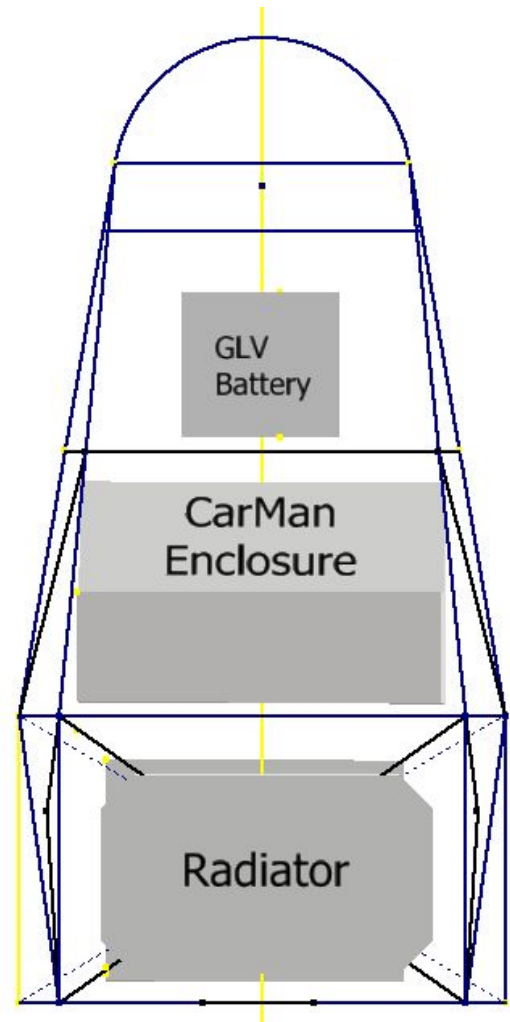
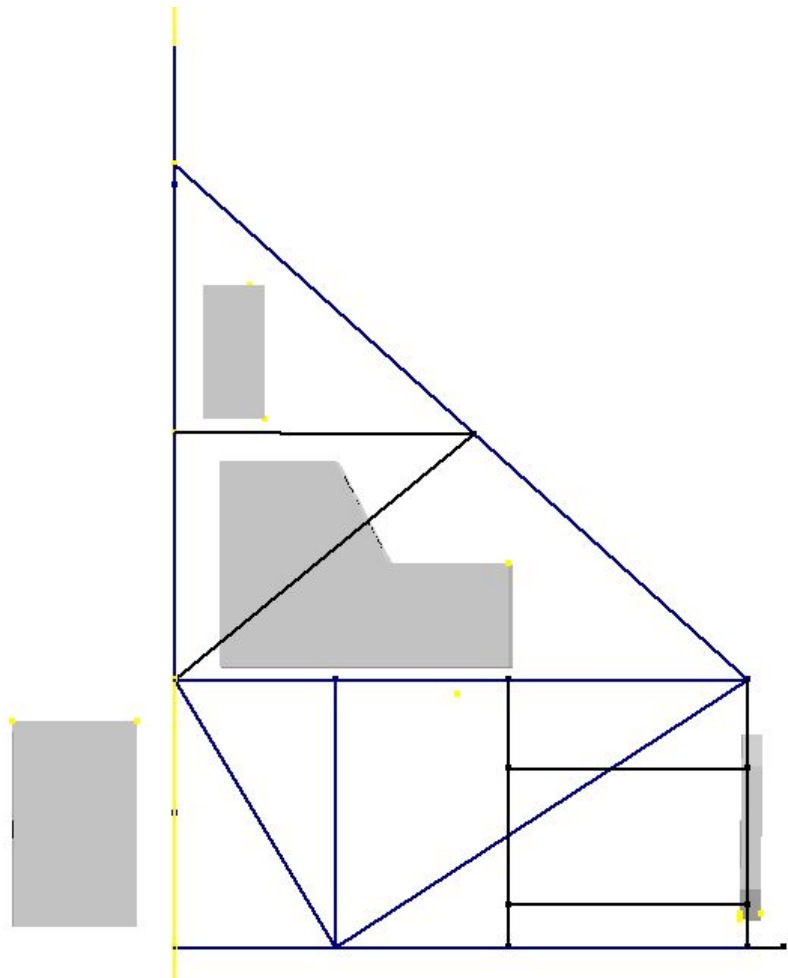


Old Chassis









New and Improved: Pros and Problems

Advantages:

- It's a box
 - Quicker setups / easier welds
- Avoiding compound angles
- Extending the rear envelope
 - Without lengthening wheelbase
- Node simplification
- Allowed suspension to keep a arms with making same pickup points

Problems we may run into:

- GLV wiring and cabling
- Missing Reservoir for radiator

What comes out of this?

- A chassis that fits all pieces and one that is simpler