

# LAFAYETTE

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# COLLEGE

*Electric Formula SAE 2020-21*

Easton, Pennsylvania 18042-1775

## **FSAE Electric Formula Car Agenda – 3:10, Zoom, March 5th, 2020**

### **Interconnect**

- Cables are still being produced, waiting on a mouser order
- Hoping to complete by the end of the week
- *Nad* → *Wiring should be neat and tidy have him check the wiring so it can be approved as neat.*

### **Carman**

- Boards are working on TSI
- Enclosure is behind schedule → drawings finalized and in by tuesday/thurs
- *NAD suggestion expedient to integrate carman in a 2d form. Screw the boards down to a flat piece of metal/wood and can be tested outside of the enclosure*
- 2D model to be completed by end of next week (best case)
- *Helm suggestion - are the boards designed to mount, draw out a design and cut it out on the laser cutter for 2D, understand it will be disassembled - maybe use the same cables?*

### **Battery Packs**

- Electrical
  - Keep working on boards
    - Electrical non board → by the end of the week
- Meche
  - Functions test safety plan complete
  - Looking at the ESF-2
    - Mechanical completion → by end of the week

### **EPAL**

- Still working on firmware and attaching panels

- Dashboard will be printed by end of the week
  - Completion → by end of the week

### **SCADA**

- Dual display to be automated by raspberry pi lite for next week
- USB Driver to be completed by next week
- Waiting on EPAL software for integration

### **Cooling**

- Done by tuesday
  - Waiting on part to be drilled

### **Chassis**

- Few things need to be welded in, need to some grinding to be done
- Car is ready to accept other systems

### **SSB**

- Rebuild kit has been delivered
- Brakes need a few weeks
- Suspension done by next week
- Steering done in two weeks
- On and completed by the end of next week

### **Drivetrain**

- All drawings are in waiting on Rob
- Assembly
- Possible test plan

### **Management**

- Making up documentation
- **NEED SAFETY PLAN AND TEST PLAN. SO WE CAN TEST**
- Management is going to need input to complete paperwork
- Check ECE chat for ESF-2 things that are missing
- DYNO test plan will be dropped into slack, requires input from electrical test plans
  - Possible that testing can be done outside the dyno room but it is undesirable

**IF YOU ARE COMPLETE FIGURE OUT HOW YOUR SUBSYSTEM'S DYNO INTEGRATION**