Hi cats.

**Every time you work on your project; every time you have questions or concerns, you write about it here.**

You are the first of this project on this team. Make sure your notes are descriptive and understandable to anyone other than you.

**Before starting an entry, write down the date and who is (still) on the project.**

Thanks babes.

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6/28/2022 - Jacob Silacci
Members on Project: Ben Barbaro, Leo Malavet

Hi, sorry to intrude on your diary, I wanted to point out a couple rules related stuff from the 2022 rules. Also, for reference, some of the rules that are relevant to the accumulator are F.10, EV.3.2, EV.4.1.1, EV.4.1.2, EV.5.3, EV.5.9, EV.5.10, EV.6.1, EV.6.4, EV.7.1, EV.7.2, EV.10.2, IN.4.2, IN.4.3, and IN.11. Some of these are much more electrical and mechanical in nature, but probably good to be familiar with.

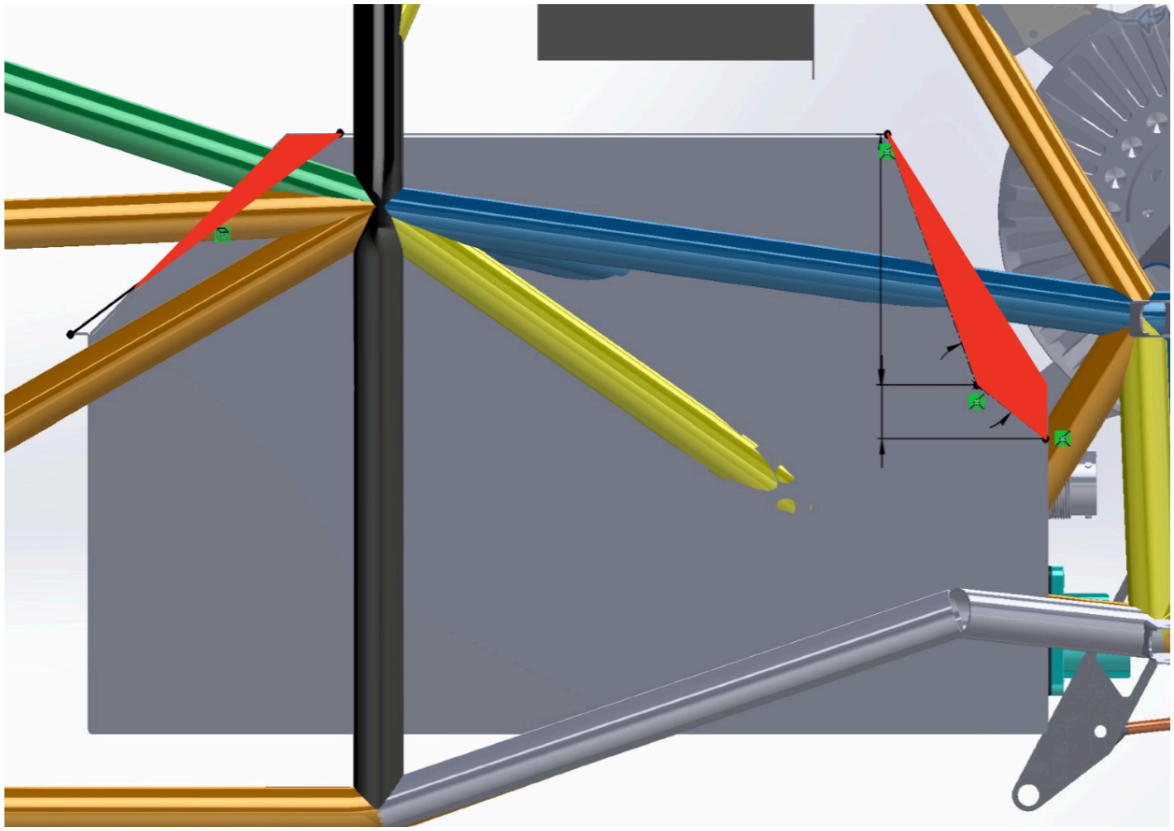
So couple things I wanted to point out because I am unsure if there is a plan in place yet:

- EV.3.2 - This thing is dangerous, Chris and Joshua I believe are working on proper education for safe handling of the high voltage electrical systems and ensuring we have the proper equipment and tools to work with safely. Just want to call this out and make sure you guys stay in the loop on all safety stuff
- EV.5.10 - Is there a plan for the accumulator hand cart
- EV.7.2 - Is there a plan for insulating the accumulator container

Lastly, section F.10 will be very important to you guys. Highly recommend making sure everyone working on the project is extremely familiar with this section.

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08/07/22
Members on Project: Ben Barbaro, Leo Malavet



These red portions of the accumulator container need to be removed.

09/29/22
Members on Project: Ben Barbaro, Leo Malavet
Adjusted container to get out of keepout regions. Added new slant to the back wall and adjusted each broken sketch till it worked. Deleted foam and redid mate relations to get a functional pattern and clear up the assembly. Changed version to 7.0

**11/30/22 - Wednesday General Meeting - Louie Shapiro**

- Sorry, I definitely forgot this document was a thing, but it's time to start documenting things

To Do
- BoM
    - Order XT90s for LV
- Manufacturing/shipping plan for long segment and eboxes
- Remaining wire path modeling
- Bump royal about shipping timelines and material of terminals for machining

- Follow up with Jurgen about precharge relay

Open Projects
- Eboxes
    - Drawings for DXF (low voltage); waiting for waterjet to test the glue
- Long Segment
    - Gave Jaemin the info; materials testing; gather material properties (UTM)
    - Create plan of action
- Ebox Handles
    - Jacob; shouldn't be major
- Machining maintenance plugs
    - Reach out to Royal; ask for updates?
- Odds and Ends
    - Panel mount connector; need to talk to Chris/Jurgen
    - Mounting for contactors
    - Precharge relay

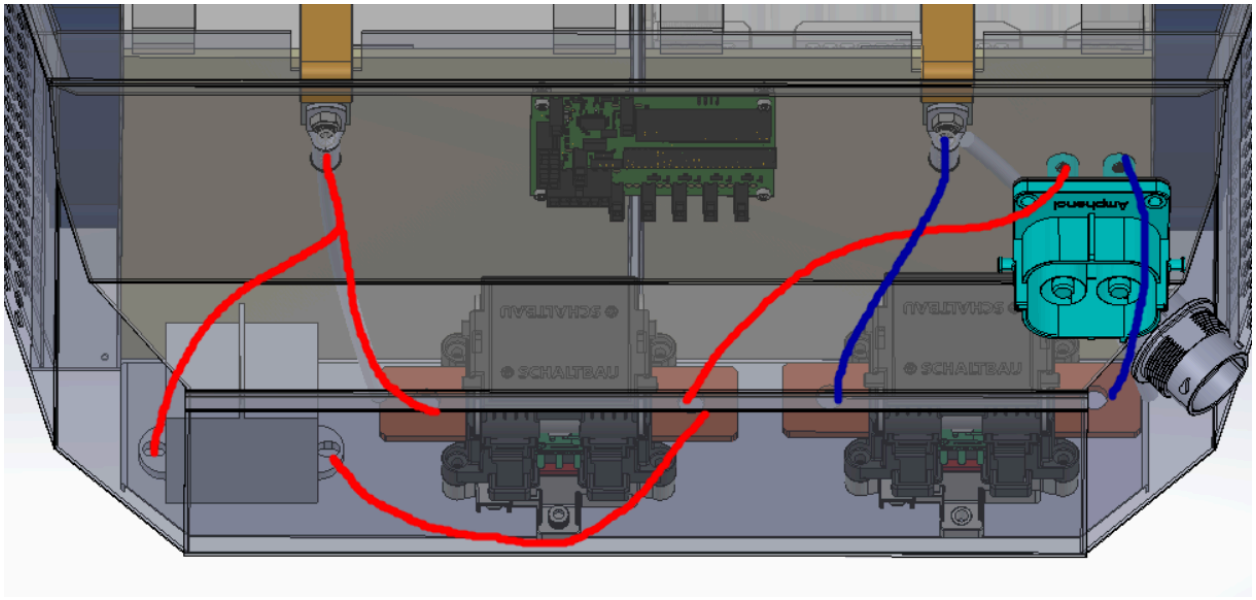
Concerns
- Timelines
    - Eboxes
    - Material testing

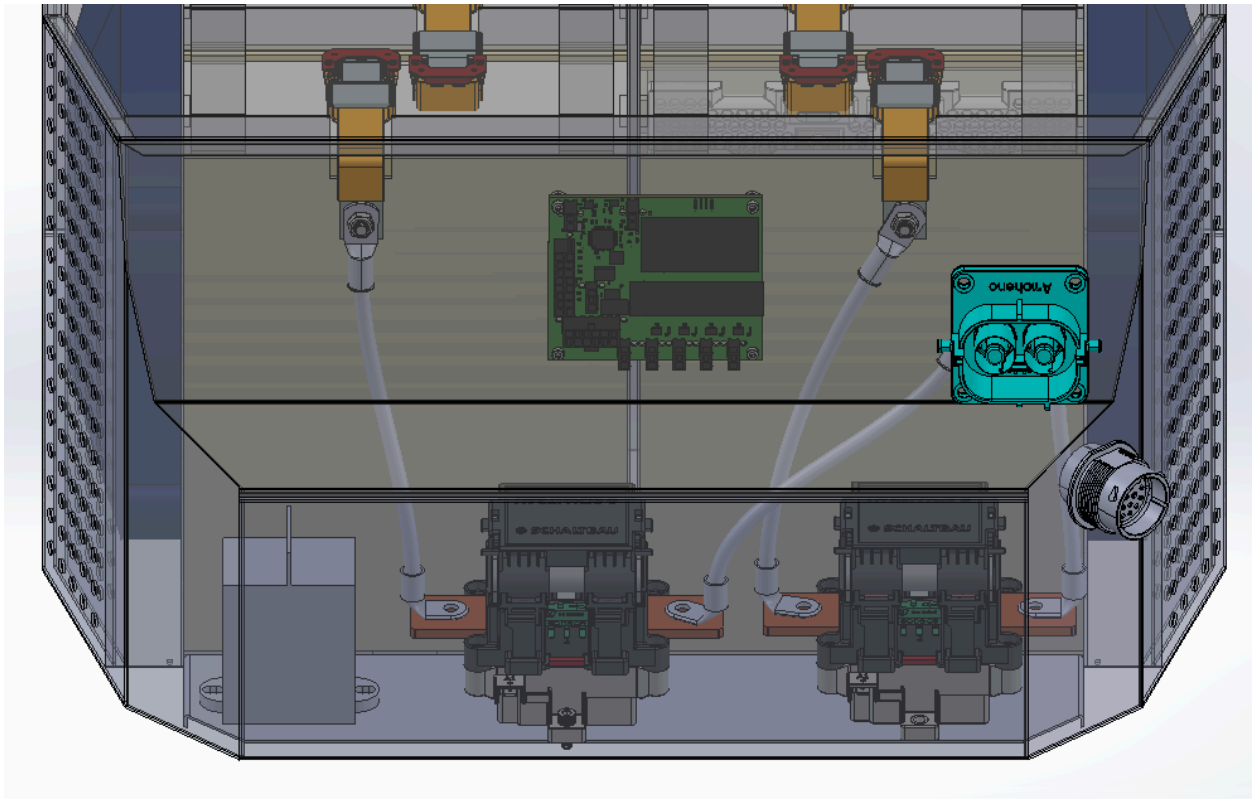
To do (Skye):
- Ask Chris about battery segments
- Look for busbars in office
- TIME 2 Schedule meeting with Jaemin/Louie
- TIME 1 Schedule meeting with Chris/Joshua/Louie/Jaemin for timelines (AFTER FRIDAY/SAT OR THURS)
- Handles (material?)
    - Backpack straps?

Actions items:

**12/17/22 - Louie Shapiro**

- Working on wire path modeling




**1/7/23 - Saturday Workday - Louie Shapiro**

Open Projects

- Eboxes

    - Need to pick out a panel mount connector for segments before we can waterjet eboxes
    - Is the hole pattern finalized? It needs to be before we can waterjet
    - I may have an idea about how to make an ebox for a segment before hole pattern is finalized
- Ebox Handles
    - We've decided that we're going to go forward with the backpack straps idea. We need to do the following:
        1. Figure out how exactly they're going to be assembled (DP460, sewing, etc.)
        2. **Order materials - DONE**
        3. Test
        4. Make a "shoe horn" for getting the segments into the container
        5. Actually manufacture everything
- Long Segment
    - Material testing is really hard, especially for Poisson's ratio
        - We've reached out to Clammp lab at NU for help. Haven't heard back yet, but Jaemin will bump tomorrow.
        - we should have the lab validate the other material properties as well if they can
        - since we don't know how they'll be after sitting out vs being conformal coated
- Machining maintenance plugs
    - Last checked in with Royal 12/8/22, I should probably check in with them again to see how things are going.
        - Scheduled an email to be sent Sunday morning
- Odds and Ends
    - Panel mount connector
        - need to talk to Chris/Jurgen
        - **Need to order nylon screws for panel mount**
        - **Also, do nylon screws still need positive locking???**
    - Mounting for contactors and a bunch of other shit
        - Just need to spend a few hours doing things
    - Precharge relay
        - Need to check in with Jurgen

**<u>1/18/23 - Wednesday Meeting - Louie Shapiro</u>**