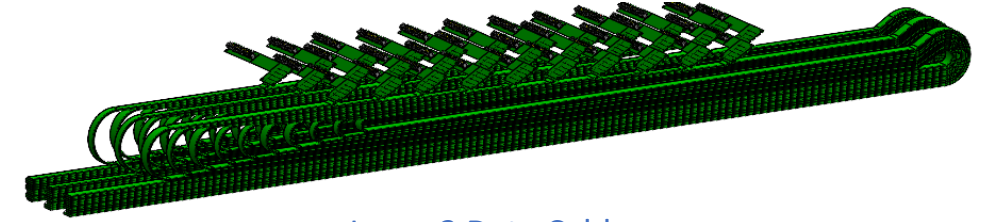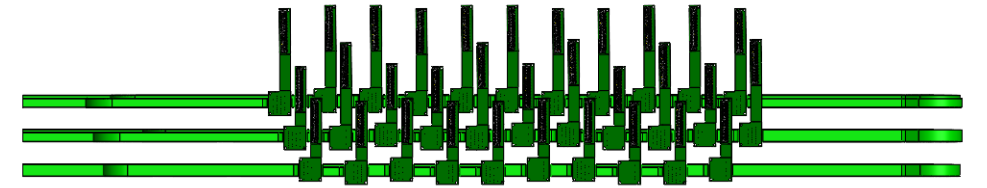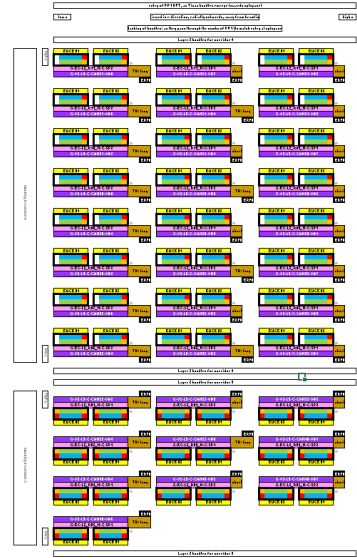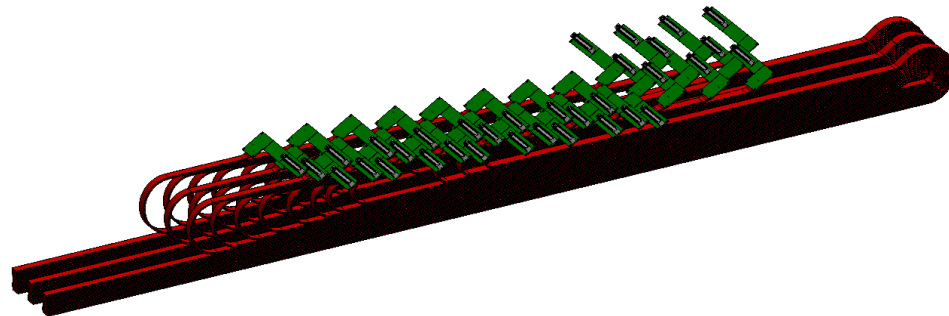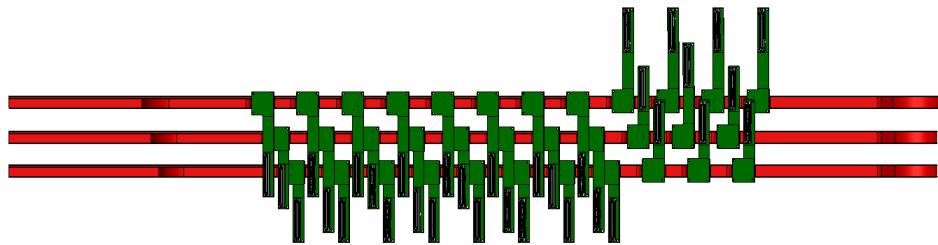# End Cap Data Cable Storage
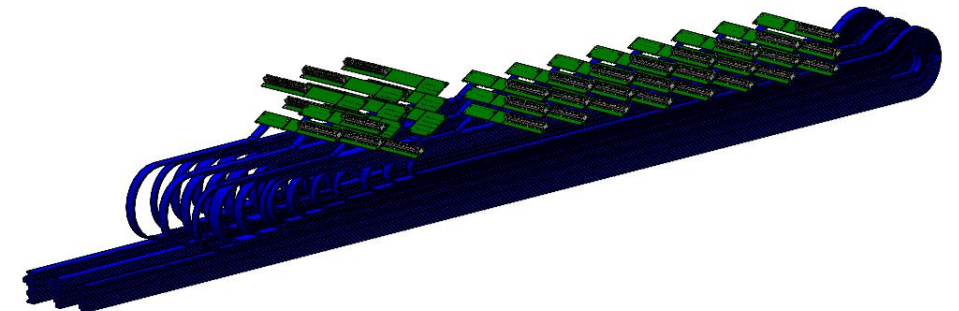
Owen Shea
08/05/2024

Model of Data Cable Storage
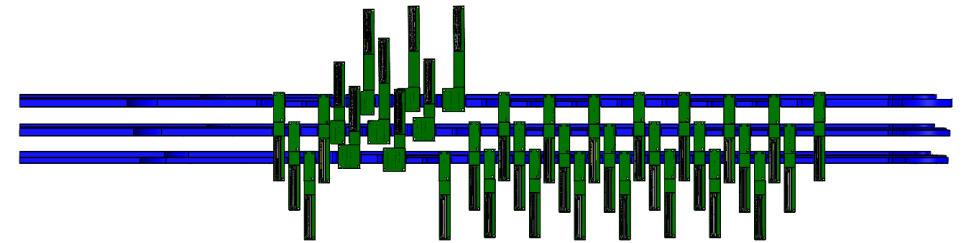
- First pass at update of the stored data cables
  - Ordering of cables matches Stephan's mapping spreadsheet (AT2-IP-EN-0048)
  - Correct termination boards assigned to cables
  - Lengths updated to match estimates – caveat: length variation within optopanel not considered
  - Model available here

Layer 3 Data Cables

Layer 2 Data Cables
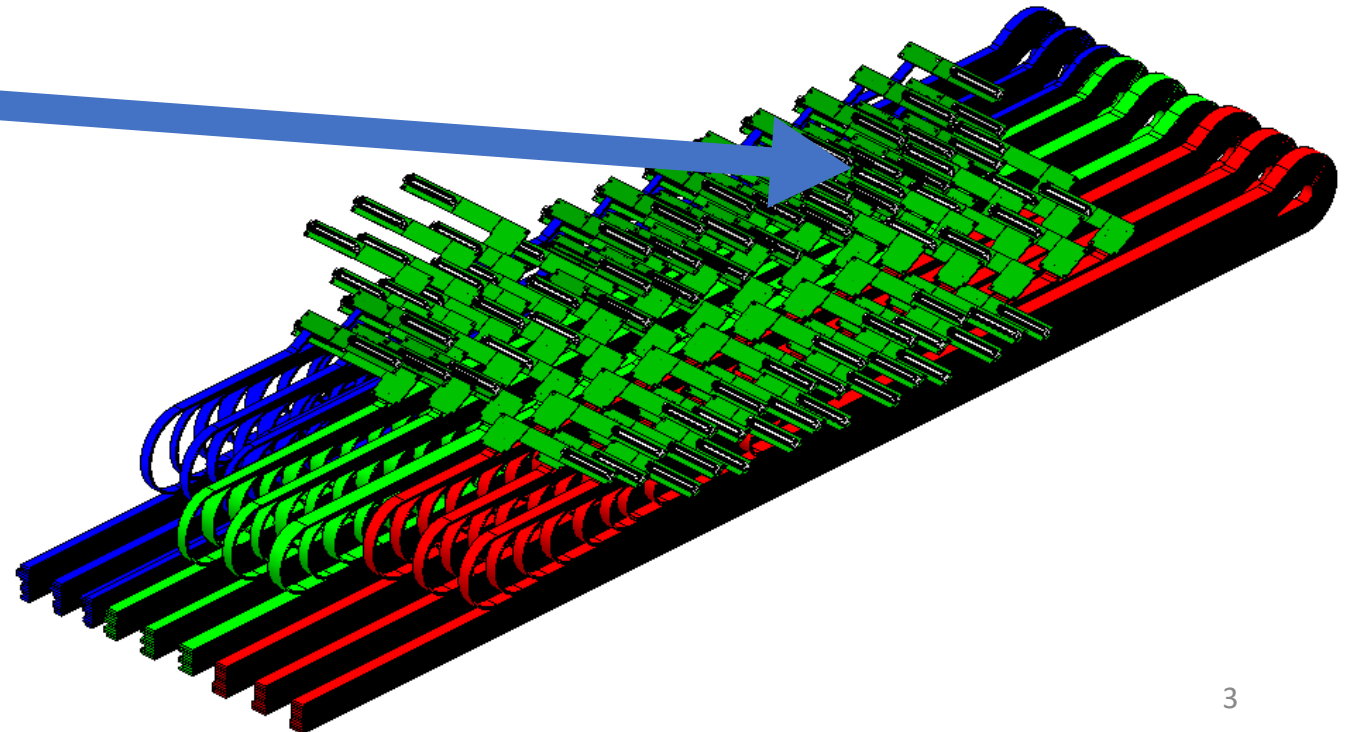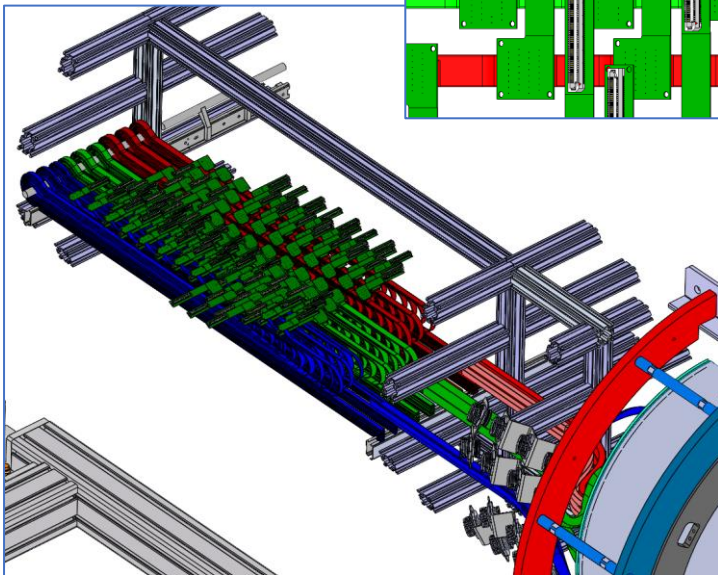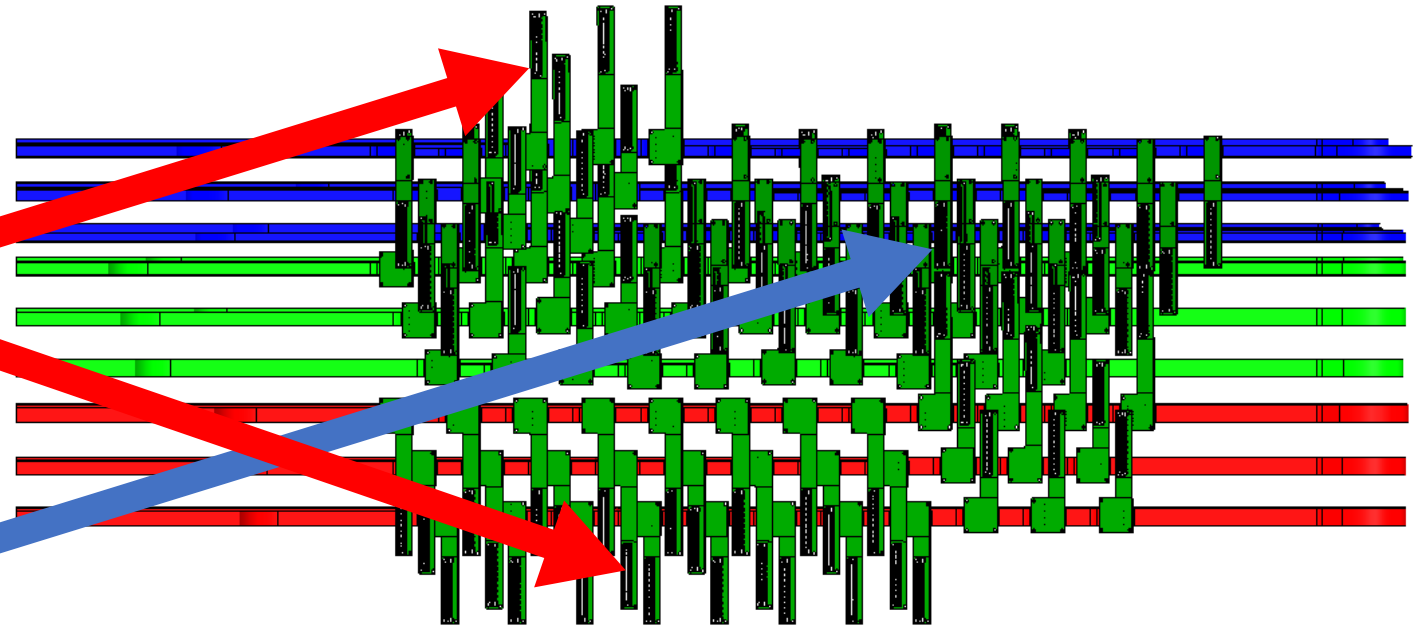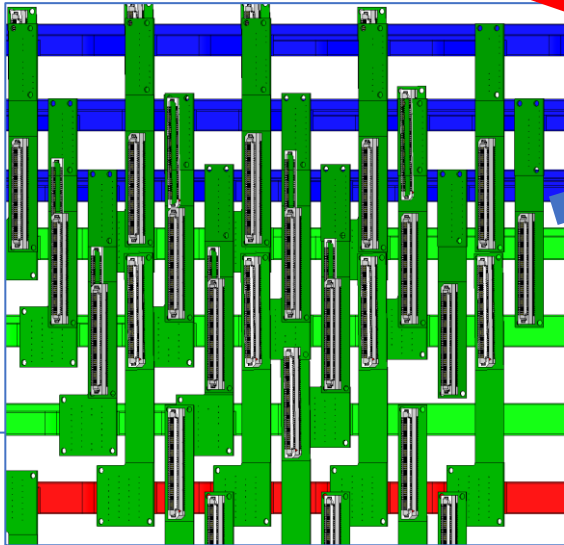

Layer 4 Data Cables

2

Model of Data Cable Storage

- Haven't yet made any adjustments to avoid clashes between termination boards from different layers
- Boards at the edges are outside the envelope

Clashes between layers

Storage Size and Termination Board Support

- Need to decide how the other half end cap's services will be handled
  - Schematically, they are rotated 180° around z axis – termination boards are then upside down
- How to support the termination boards for testing still needs to be developed
- Because each group includes more bundles, the total height has increased
- Clash between some termination boards and the envelope we agreed with the OB for their cable storage
  - Any adjustment of termination board positioning that raises them in y will make this worse
- Need to see if this can be accommodated by the OB