# Modular Sterile Cleanroom 67% Hardware Status Update

Logan Bennett
Michelle Borzick
Gia Neve
Aaron Reynoza



## **Updated Gantt Chart**

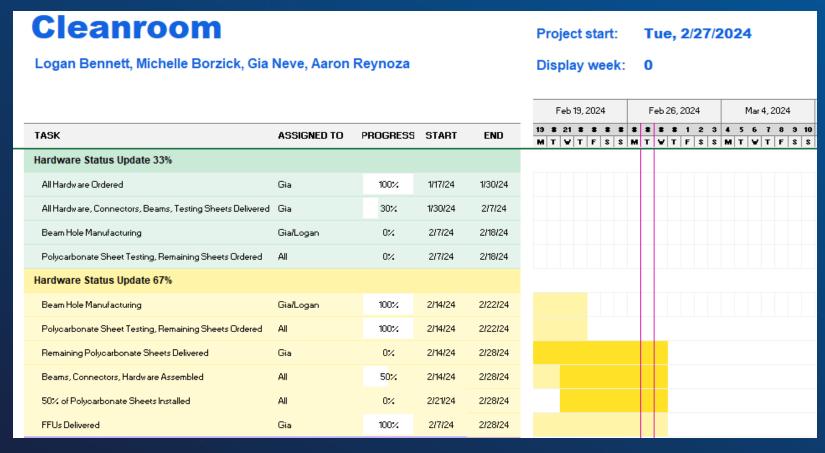


Figure 1: Updated Gantt Chart February 2024

Status: On Track

#### Roadblocks:

Waiting for polycarbonate sheets to arrive

#### Overcoming Roadblocks:

- Finishing all other manufacturing
- Being on standby for last parts to arrive

## **Design Efforts**

Fully designed CAD Design with completed BOM and manufacturing plan.

### Changes:

None



Figure 2: Fully modeled CAD Render of 12x16 Cleanroom

## Design Efforts

- Design Updates:
  - Polycarbonate Sheet Thickness: 1/16"
  - Polycarbonate Sheet Manufacturing:
     Drill and Circular Saw
  - Wall Height Gap: 6"
- Calculation Updates: None





Figure 3: Sauter versus Drill Testing on Polycarbonate Sheets

## Purchasing and Manufacturing Plans

See attached Bill of Materials

## **Demonstration**



Figure 4: Aluminum Beam Holes



Figure 5: Steel Beam Holes

## **THANK YOU!**

