



Systems Commissioned:

- Lab HVAC
- Office HVAC
- Energy recovery
- Fan coil units (FCU)
- Compressed gasses
- Normal and uninterruptible power supply (UPS) power
- Plumbing
- Lighting and lighting control
- Glove-box isolators
- Walk-in incubators
- Cold rooms
- Autoclaves
- Water for injection (WFI)
- Grade D space

Commissioned: Q2 2022

Honors:

LEED Silver Certification

**B38 Quality Operations (QO) Laboratory
PA**

The project involved renovation of one GMP building floor, from mechanical areas to laboratories and office space. The project included design assist and Lean Construction methodologies and was designed to achieve LEED Silver certification.

PrecisCx provided LEED Fundamental and Enhanced and Leveraged Commissioning services. The PrecisCx team participated in vendor factory acceptance testing (FAT) both on site and virtually and participated in on-site start-up and site acceptance testing (SAT) activities.

This project required a high level of flexibility to navigate the changing landscape that was the early stages of the COVID-19 pandemic. Off-site fabrication reviews were conducted to limit the amount of work that had to be performed on site due to pandemic restrictions. Remote FATs were performed using GoPro cameras and online meeting software. Virtual communication with vendors from other countries took place more often as travel was not permitted. Field pressure testing for each system required a project-specific pressure test matrix developed by PrecisCx to communicate the design intent and provide confirmation that all tests were being performed to meet the specification.



Project Reference

Confidential

Project Data

Size: 26,000 square feet
 Category: Pharma/Biotech
 Scope: Renovation
 Type: LEED and Leveraged Commissioning
 Cost: \$45 million

PrecisCx Team

Principal in Charge: Kari Donovan, PE, CxA
 Project Manager: Jon Carmody
 CQV Engineer: Lauren Schilling
 CQV Engineer: Stephen Obermeier
 CQV Engineer: Robert Tarlo
 CQV Engineer: Ruchi Patel