

## **Project Case Study – Tier III Data Center MEP Coordination and Design Development**

This multi-phased build-out of a new disaster recovery “hot site” for a global financial services company was a fast-track project with critical timetables and coordination with multiple stakeholders to bring a new site on-line while an existing facility was being decommissioned, maintaining uninterrupted services, applications and reliability.

Construction beginning with an existing building shell required critical and precise MEP coordination using Building Information Modeling (BIM) to address the requirements of not only construction trades but end-user operational and maintenance activities once the facility was on-line.

Collaboration involved both on site and remote desktop sharing to accomplish the goals of the build-out team and owners representatives.

Containing fully redundant and physically separated cabling systems, pathways and service provider points of entry, multiple applications and high-density connectivity were evaluated, developed, designed, deployed and documented. Documents included RFP documents, construction drawings and specifications including manufacturer solutions and product research and evaluation. AutoCAD® and 3D modeling in conjunction with Construction Management, Electrical and HVAC systems engineers were integral to the timely and accurate completion of this mission critical facility.

The Skyline Group team for this project consisted of our Principal in Charge, a Project Engineer, CAD Designer, and Field Coordination along with Peer Review through three phases of total project build-out of 10,000 Ft<sup>2</sup> of Data Hall space and additional Point of Entry, Stage-Build and Office areas.



In-Progress Panorama



2D Rendering of Coordination Drawings

