



DATA CENTER NEW CONSTRUCTION



DATA CENTER NEW CONSTRUCTION PROJECT

Quincy, Washington

THE SITUATION

In fall 2014, Sabey Data Centers, one of the largest multi-tenant data center operator and developers in the world, was approached by a customer that needed a significant amount of space at its Quincy, WA location. Sabey didn't have immediate space available for the customer, but guaranteed they could meet the customer's needs with a new building. Sabey soon began the design of a new 135,000 square-foot facility, and the general contractor on the project was tasked to have half of the building ready for the customer to occupy by October 2015.

The project would consist of a precast tilt-up structure that would take a majority of the schedule to complete. With an aggressive schedule to maintain, the general contractor on the job needed an experienced interior contractor that would push the interior finishes and guarantee the completion date.



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CHALLENGES:

- Aggressive schedule
- Expansive scope requiring many subcontractors

SOLUTIONS:

- Recommended a single interior contractor approach
- Lean construction practices

SCOPE:

- Steel stud framing
- Drywall hanging & finishing
- Painting
- Acoustical ceilings
- Hot aisle containment
- Storage rack installation
- Structural rack installation
- Security caging & privacy screens
- Digital graphic installation
- Signage installation
- Door & hardware installation
- Finish carpentry

Facing an aggressive project schedule, the general contractor was tasked have half of a new 135,000 square-foot data center ready for occupancy in just one year.

PCI was called upon to help manage and maintain the schedule, and was able to deliver creative solutions to ensure the project was delivered to the client by the promised completion date.



THE SOLUTION

PCI offered its services as a multifaceted data center architectural subcontractor that was capable of completing and coordinating multiple scopes, and interfacing with prime mechanical and electrical subs. This would create a high-level, well-managed team capable of controlling and managing the tight schedule. With this recommendation, the general contractor awarded PCI the steel stud framing, drywall hanging and finishing, painting, acoustical ceilings, and finish carpentry scopes of work.

Once on site, PCI utilized an efficient crew, lean construction practices, and a high level of communication and planning with the general contractor to frame the structure much more quickly than anticipated. By pushing ahead the framing schedule, the mechanical, electrical and plumbing trades (MEP) were able to advance their schedules as well. When MEP rough-in inspections were complete, PCI was able to complete entire wall and ceiling assemblies — including finishes — without interruption. This extremely efficient process saved valuable schedule time and made the project easier to manage for the general contractor.

THE SUCCESS

By choosing PCI, the general contractor was able to save time on the overall schedule, and reduced the time needed to manage multiple subcontractors. PCI also made it easier for the general contractor to meet its client's expectations by accomplishing a variety of specialty construction scopes that traditionally would have required multiple subcontractors.

The project was completed safely and on-time, and the customer was able to occupy the space by the promised delivery date. PCI is proud to have worked with dedicated partners that understand the value of teamwork and cooperation, with a shared goal of customer satisfaction.

