



Aerospace

J.E. Richards Electric, Inc. completed a full electrical installation for The Aerospace Corporation's new data center. The impressive new project included a 14,750 sq. ft. visitor center, 190,000 sq. ft. concourse area, 72,378 sq. ft. data center / SCIF, 180,000 sq. ft. of office space, and a multi-story parking garage.

Richards installed a complete site infrastructure including medium voltage distribution services, site lighting, and guard stations. The project featured interconnecting fiber optic duct banks to adjacent facilities and two, 3,000kW diesel driven generators complete with SCR systems for the data center and one, 1,000kW Life Safety Generator. Specifically, there are four, 3,750kV medium voltage transformers, two, 5,000 Amp distribution switchboards, two, 3,000 Amp distribution switchboards, a 3,000 Amp load bank, 30 static switches, 30 PDU's, four, 750 kVA UPS systems, two, 500kVA UPS systems, 98 sections of track bus, 500' of 5,000 Amp cable bus, multiple 5,000 Amp, and 3,000 Amp bus duct runs. Richards supplied the engineering and installation for the data center strut support system to carry the weight of the feeders and equipment.

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The Aerospace Corporation provides critical resources for military, intelligence, civil, and commercial services. Richards has been recognized by The Washington Building Congress for outstanding craftsmanship for power generation, distribution, switchgear, and lighting.

Market:

High Tech & Life Science

Date:

2013

Location:

Chantilly, VA

