

Renovations to Father O'Connell Hall

Catholic University of America

Washington, DC

General Building Data

- Location: Washington, DC
- Size: 54,000 GSF
- Height: 4 Stories above grade, 1 below
- Construction Dates: July 2013-may 2014
- Cost: 15 million
- Delivery Method: Design-Bid-Build

Design & Construction Team

- Owner: Catholic University of America
- Architect: SmithGroupJJR
- MEP/FP Engineer: SmithGroupJJR
- Structural Engineer: McMullan & Associates, Inc.
- Civil Engineer: ADTEK
- Project Management: Mark G Anderson Consultants, Inc.



Architecture

- 3 conjoined structures: 4 story main building, 3 story east wing, and 2 story west wing
- Administrative/Enrollment, admissions, financial aid, and banquet hall
- Granite stone façade with Indiana Limestone accents resembles a historic collegiate gothic style

Structural

- Concrete structure with concrete columns in west and main wings
- Drop panels are used to support concrete slab
- Existing steel beams and columns are used in the east wing.
- Existing roof construction is concrete, slab on concrete joists.

Electrical

- 750kVA medium voltage transformer
- Existing main switchboard 208/120V 3-phase 3000A
- New 150kW emergency generator

Mechanical

- VAV and Fan powered boxes provide recirculation
- Fan Coil Units for perimeter heating and cooling
- 1 97.7 ton electric air-cooled chiller
- 2 Chilled water pumps with VFD's
- 2 500 MBH condensing pulse combustion boilers

Kevin Andreone | Mechanical

<http://www.engr.psu.edu/ae/thesis/portfolios/2014/kpa5028/index.html>