Office Renovation Building

Northeast, United States

ARCHITECTURE

- Bearing the similarities of its neighbors, the 1930s structure displays a prominent reference to the neoclassical architectural style
- The building façade is constructed of Indiana limestone to help solidify its Greek revival design that is often affiliated with civic structures within the United States
- The renovation project will refurbish the building's façade and other architectural details to restore the historic building to its original state

MEP SYSTEMS

Phase II of construction includes a complete upgrade of MEP services:

- A major component of the project includes a 2 story Electrical Equipment Enclosure designated to house the building's new emergency generators, transformers and switchgear
- Upgrade from shell and tube heat exchangers to the utilization of a water source heat transfer system.

STRUCTURAL

- The existing structural system is composed of steel columns, girders, beams, and columns encased in concrete. This was common practice before modern applications of fireproofing material.
- The interior walls and utilizes dense terra cotta blocking, another common practice for its time of construction

PROJECT TEAM

Owner:	General Services Administration
Architect:	Group Goetz Architects
Construction Manager:	Jacobs Engineering
General Contractor:	Grunley Construction
	Gilbane Building Company
Structural Engineer:	Thornton Tomasetti, Inc.
MEP Engineer:	URS Corporation

PROJECT INFORMATION

Function:	Office Building
Project Cost:	$115 Million
Total Stories	9 (Including Basement)
Size:	260,000 SF (Phase II)
Construction Dates:	11/15/09-11/15/11 (24 Months)
Delivery Method:	Design-Bid-Build with CM Agency

CONSTRUCTION LOGISTICS

- The Office Renovation Building project is an 8 phase process set to include the demolition, renovation, and new construction of building components
- Phase II is primarily comprised of the building's exterior refurbishment in addition to the construction of the structure's new Electrical Equipment Enclosure

ANTHONY JURJEVIC

Architectural Engineering | Construction Management

http://www.engr.psu.edu/ae/thesis/portfolios/2011/apj5011