

R. Andy Pahwa

Mechanical Option

<http://www.andypahwa.com>

FDA Building One

Architecture: Renovated historic focal point of FDA Campus; façade for the building is a brick veneer and curtain wall structure supported by a concrete frame. New addition consists of full height, exposed aluminum curtain wall system and open atrium with suspended foot bridges.

Mechanical: 2 AHU's servicing the Security Pavilion and open floor areas; single 100% OA AHU with Enthalpy wheel servicing fan coil units of private offices. Instantaneous tank-less water heaters; Plate & Frame HX in conjunction with Chillers for Domestic Water.

Lighting/Electric: Daylighting and Occupancy controls provided with fluorescent lighting system. Two 13.8 kV Substations providing 480/277—3 Phase power to the entire building. Emergency back up with UPS integration.

Structure: Spread footings were used for the buildings foundation. To a large extent structure was only reinforced to withstand seismic loads; while replacement of choice beams and areas of slab were done.

Location & Site: Food & Drug Administration
Federal Research Center – White Oak, MD

Building Occupants: Office of the Commissioner –
Food & Drug Administration

Function Type: Office Building

Size (GSF): 102,000 SF

Number of Stories: 4 Stories above Grade + Pent-house

Project Team

- Owner: General Services Administration
- General Contractor: Grunley Construction
- CM: Heery-Tishman
- A/E: KlingStubbins with RTKL

Date of Construction: 9/25/2007 – 11/15/2008

Contract Amount: \$36,444,302

Project Delivery Method: Lump Sum Contract

