Emily Couric Clinical Cancer Center Charlottesville, VA

University of Virginia

Project Team:

OWNER: University of Virginia CM: Gilbane Building Co.

ARCHITECT: Zimmer-Gunsul-Frasca Architects, LLC

MEP ENGINEERS: AEI

SURVEYING ENGINEERS: Hurt & Profitt

STRUCTURAL ENGINEERS: Robert Silman Associates, PLLC

CONSULTANTS: Shirmer
TESTING AGENCY: Schnabel



Building Statistics:

FUNCTION: Out Patient Diagnostic and

Treatment Center

SIZE: 153,104 SF

STORIES: 6

CONSTRUCTION: Apr. 2008 – Dec. 2010

Cost: \$74 Million

DELIVERY METHOD: Design-Bid-Build

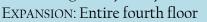
Architecture:

DESIGN: Consolidate existing services into one building ROOM TYPES: Exam, 3 Linear Accelerator, Offices, Radiation/Oncology, Café, Access HUB, Phlebotomy LOBBY: Large entry lobby 2 stories

Building Envelope:

WALLS: Mostly Brick Veneer with a large Curtain Wall

ROOF: Main roof, EPDM singleply roof membrane system with a white acrylic coating. Roof garden exists with similar materials





Lighting/Electrical:

480/277 Volts distributed throughout the building 23 Local transformers step from 480 to 208/120 V 83 panel boards located throughout the building

65 different light fixtures

Lighting uses 277 Volts

Recessed and suspended mounted fixtures with mostly fluorescent lights

Structural:

FOUNDATION: Spread footings for support columns FRAMING: Structural Steel, Columns varying from W10x33 to W14x159

CONCRETE SLAB: 3" GA composite deck with 3.5" L.W. concrete and WWF 6x6 W2.9xW2.9

LIVE LOAD: Average is 100 PSF to include partitions

Mechanical:

SYSTEM: All-air with a local reheat unit in each room 4 MAIN AHUS: each supply 45,000 CFM, 529 MBH heating capacity, 2,390 MBH cooling capacity located in the penthouse

288 AIR TERMINAL UNITS: Varying from 70-1790 CFM, 1994-92108 Btuh Heating Coil Capacity

Brittany Muth

2010 Construction Option

http://www.engr.psu.edu/ae/thesis/portfolios/2010/bnm5016/index.html