



**Daniel C. Myers**

**5<sup>th</sup> Year Thesis**

**Building Statistics Part 1**

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## **University Hospitals Case Medical Center Cancer Hospital**

### **Name**

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University Hospitals, Case Medical Center Cancer Hospital

### **Building Site**

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11100 Euclid Avenue Cleveland, Ohio on the University Hospitals, Case Medical Center Campus

### **Building Function**

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Cancer research, education, and patient care

### **Size and Cost**

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The Cancer Hospital encompasses 370,230 SF of the University Hospitals Case Medical Center Campus with its 9 above grade stories rising 172'-1" in height. The new Cancer Hospital and its four additional building counter parts makeup the UHCMC's Vision 2010 project which is expected to be completed at a total cost of \$1 billion. The Cancer Hospital addition alone makes up \$232 million of the Vision 2010 price.

### **Construction Dates**

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July 2008 – December 2010

### **Project Delivery Method**

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Still Researching

### **Architecture**

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Description:

The UHCMC Cancer Hospital will integrate patient care and cancer research in a new and innovative way. Architecturally, the Cancer Hospital will reflect this cutting edge link by joining adjacent buildings together while serving as a primary gateway to the UHCMC campus.

## **Architecture**

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The Cancer Hospital design fulfills the wishes of former facility cancer patients in creating an appealing and comfortable environment as opposed to the sterile feel of the past. This is accomplished through use of strong architectural accents including the Cancer Hospital's most dominating feature, its curved facade. A universal grid system consisting of 31'-6" modular bays has been incorporated into design to optimize floor space for varying uses. Clinical pods have been designed for treatment of specific patient populations.

Medical services which were previously distributed among seven facilities will now be performed under one roof to optimize cancer research, education, and patient care while providing an architecturally appealing exterior as well as a warm and inviting natural interior.

## **Building Envelope**

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92,000 SF of curtain wall envelopes the new Cancer Hospital. The entire east and west elevations have been constructed using a custom sloped-wall system consisting of non-gravity bearing curved steel. Additional details including roofing systems have been requested and are currently awaiting arrival.

## **Codes**

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Codified Ordinances of the City of Cleveland:

Land Use Code – Planning and Housing 6/3/07

Zoning Code 6/3/07

Land Use Code – Fire Prevention Code 6/3/07

Building Code 6/3/07

2007 Ohio Building Code (w/ 2006 International Building Code)

2006 International Mechanical Code

2006 International Plumbing Code

## **Project Team**

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Owner: University Hospitals, Case Medical Center - Cleveland, OH

Construction Manager: Gilbane Inc. - Cleveland, OH

Developer: Still Researching

Architect: Cannon Design - Grand Island, NY

Structural Engineer: Cannon Design - St. Louis, MI

Lighting Design Consultant: Cannon Design - Grand Island, NY

MEP Consultant: Cannon Design - Grand Island, NY