

# Weill Cornell Medical Research

413 East 69<sup>th</sup> Street

New York, NY



Occupant: Weill Cornell Medical College

Type: Laboratory/Research Facility

Size: 455,000 ft<sup>2</sup>

Number of Stories: Below Grade – 3

Above Grade – 18 + Penthouse

Cost: \$650 Million

Dates of Construction: 2010-2014

Delivery Method: Design-Bid-Build

## Project Team

**Architect:** Ennead Architects

**Structural** Severud Associates

**Engineer:**

**Mechanical** Jaros Baum & Bolles

**Engineer:**

**Laboratory** Jacobs Consultancy/GPR

**Consultant:**

**Construction** Tishman Construction

**Manager:**

## Architecture:

- Undulating glass sunshade curtain wall
- 13 floors of laboratory space
- 2 floor underground animal facility
- 2<sup>nd</sup> floor terrace connects to neighboring Lasdon House
- Doubles Weill Cornell Medical College's existing research space
- LEED Silver Rating upon completion

## Structure:

- Foundation: Spread footing with rock anchors to resist water table uplift
- Floor System: Two way flat plate concrete slabs
- Lateral System: Reinforced Concrete Shear walls
- Concrete columns in various sizes with typical bays of 21'-0" (East-West) x 27'-7," 25'-0," and 16'-3" (North-South)
- Concrete beams in various sizes located as needed

## MEP Systems:

- (13) Variable and control volume air handling units totaling 675,000 cfm; (4) Cooling towers on the roof totaling 1,228,000 cfm
- 265/460V electrical service brought to the building via four 4000A switchboards
- Fluorescent lighting throughout the building mostly at 277V

