

# Fordham Place

## Project Overview

- ◆ **Size:** 174060 Ft<sup>2</sup>
- ◆ 15 Stories
- ◆ **Cost:** \$34.8 Million
- ◆ **Owner/CM:** Acadia Realty
- ◆ **Architect:** Greenberg Farrow
- ◆ **Structural Engineer:** M.G. McLaren
- ◆ **Geotechnical Engineer:**  
Soil Mechanics Drilling Corp.
- ◆ **Surveyor:** Control Point Associates



## Structural System

### ◆ *Existing Building*

- \* Concrete encased 14" Steel Columns
- \* 18" Steel beams and double girders
- \* 26'x22' typical bays
- \* 2'x4' - 4'x8' exterior brick piers
- \* 10'x10' step footings ~ 7' deep

### ◆ *New Tower*

- \* Steel beams/girders, composite metal deck with 6<sup>1</sup>/<sub>4</sub>" concrete slab
- \* 14" Steel Columns
- \* Braced and Moment Frames for Lateral Resisting System
- \* 150 Ton piles ~ 45' deep

## Mechanical Systems

### ◆ *Commercial*

- \* 450 ton chiller located on roof
- \* Space heating delivered from central boiler

### ◆ *Residential*

- \* 450 ton water cooling tower located on the roof top
- \* Space heating delivered from central boiler

## Lighting/Electrical Systems

- ◆ 1200 Amp, 120/208V, 3 Phase 4-wire
- ◆ 12T5 Fluorescent Lighting
- ◆ Halogen lighting in retail area
- ◆ Special metal halide lighting for showcase

Name: Aric Heffelfinger

Option: Structural

<http://www.arche.psu.edu/thesis/eportfolio/current/portfolios/abh144/>

Building: Fordham Place

Location: 400 East Fordham Road

Bronx, NY 10458