

Fordham Place

Project Overview

- ◆ **Size:** 174060 Ft²
- ◆ 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 6¹/₄" 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

Lighting/Electrical Systems

- ◆ 1200 Amp, 120/208V, 3Phase 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