

NORTH INSTRUCTIONAL BUILDING

JARRET J. CLARK | LIGHTING/ELECTRICAL

GENERAL INFORMATION

Location and Site

- ◆ University Avenue West 181 Street
Bronx Community College, Bronx, New York

Building Occupant Name

- ◆ Bronx Community College

Size

- ◆ 98,600 square feet

Number of Stories Above Grade

- ◆ 3 stories

Dates of Construction

- ◆ Completed in September 2012

Actual Building Cost

- ◆ \$74 million

Delivery Method

- ◆ Design-Bid-Build



View from University Avenue

PROJECT TEAM

Architect - Robert A.M. Stern Architects, LLP

Associate Architect - Ismael Leyva Architects

Civil - Gedeon GRC Consulting

Structural - Robert Silman Associates, P.C.

M.E.P - Joseph R. Loring and Associates, Inc.

Lighting Designer - Cline Bettridge Bernstein

Contractor - TDX Construction Corporation

ARCHITECTURE

- ◆ Classrooms, a library with a double story reading room, and faculty offices
- ◆ Classical exterior with industrial inspired interior
- ◆ Pre-formed brick veneer on concrete panel exterior construction

MECHANICAL

- ◆ Six (6) VAV air handling units and (1) CV unit serve the various spaces with the largest 20k CFM VAV unit servicing the 3rd floor reading room
- ◆ Mechanical systems are integrated into the ground floor corridor and reading room using slot diffusers and custom return air grilles

STRUCTURAL

- ◆ 6' x 6' (max) concrete footings
- ◆ 5" thick reinforced slab on grade
- ◆ Steel framing integrated into the architecture provides the building's structural support

LIGHTING/ELECTRICAL

- ◆ 4.16 KV double ended service from campus substation turned down by indoor transformer to 480Y/277V to supply the building
- ◆ 3000A rated Main Switchboard
- ◆ 480-208Y/120V Step-down transformer for receptacle loads