



# The New York City Bus Depot

New York City, NY

Kaitlyn Triebel | Structural Option

## Project Team

**Engineers / Architect:**  
STV Incorporated

**Construction Manager:**  
Silverite Construction Company

**Owner / Occupant:**  
New York City Transit Authority

## Project Information

**Function:**  
Bus Depot and Heavy Repair Shop

**Building Size:**  
390,000 SF; 3 stories

**Delivery Method:**  
Design-Build

**Estimated Cost:**  
\$150 million

**Dates of Construction:**  
Summer 2011—Spring 2012

## Architectural

- Space for fleet of 150 busses
- Refueling, Servicing, Fare Collection, Bus Washing, Maintenance, and Parking Stations
- Offices for Employees on Mezzanine Level
- Corrugated Metal and Brick Veneer
- Neighborhood Artwork Displayed

## Structural

- Steel Framed Buildings
- Moment Frames in N-S Plane
- Braced Frames in E-W Plane
- Concrete Slabs with Sacrificial Metal Decking
- Pile Foundation

## Lighting / Electrical

- Lit with Industrial Fluorescent Lights and LED Fixtures
- Utilizes Daylighting in Design with south-facing windows and Brise Soleil
- Main Powerboards and Switchboards 480Y/277 Volt Systems; Secondary Panels 208Y/120 Volt Systems
- Emergency Generator Powered

## Mechanical

- 30 Custom Roof Mounted Indirect Fire Heat Recovery HV Units with Air Inlets and Outlets for equipment
- VAV Boxes Serve Areas in Separate zones
- Door Air Curtains used at Entrances (Exterior and Hazmat Storage)
- 3 Boilers