

7 Line Extension - 34th Street Station Hudson Yards, New York, NY

Project Owner:

MTA New York City Transit

Design Team

- Engineer: Parsons Brinkerhoff Americas

General Contractor

Skanska

Sheetmetal Contractor:

- Celtic Sheet Metal, Inc.

ADE Contact:

- Sales: James Orlando

Manufacturer:

- Titus: 300 RS (Steel double deflection supply grille); 350RL (Steel return grille); TDC (Steel louvered face diffuser, adjustable)
- Greenheck: SQ with filters (Centrifugal Upblast Exhaust); QEI Fans (low-sound and highly efficient)
- AAG: Custom stainless steel grills

Completion Date:

- 2015

Challenges/Problems/Solutions:

- The curvature of the walls and ceilings in the transit station required many custom solutions. AAG and ADE surveyed the progressing jobsite on numerous occasions to develop custom sized grilles to meet the project specifications.
- A high profile project like Hudson Yards requires attention to detail at all levels. Greenheck and ADE worked to reduce the manufacturing lead times for the QEI fans from twelve (12) weeks to three (3) weeks on the jobsite.

Description:

The 7 Line extension project extends the existing No.7 Line subway service from Times Square to the new 34 Street – Hudson Yards station located at West 34th Street and 11th Avenue. The station is designed to handle 25,000 people in a peak hour and is anticipated to become the busiest single line station in the New York City Transit Subway system once Hudson Yards is fully developed.

