

Honorable Mention

AIA/COTE TOP TEN GREEN PROJECTS 2007

Stillwell Avenue Terminal Train Shed

Location: New York, NY

Architect: Kiss+Cathcart, Architects

Overview

Coney Island's Stillwell Avenue Terminal is the largest above-ground station in New York City's subway system. After years of deferred maintenance, the 90-year-old station was redesigned by New York City Transit's in-house design staff. The train shed's new arched-truss structure covers four platforms and eight tracks.

The train shed was designed to meet demanding maintenance, durability, and operations requirements. It stands as a major civic gesture, promoting the use of renewable energy, acting as a catalyst for the revitalization of Coney Island, and providing the public with a beautiful and convenient transit facility.

SUSTAINABILITY SNAPSHOT

- Percent of total building area that is daylight: **100**
- Percent of building that can be ventilated or cooled with operable windows: **100**
- Precipitation managed on site: **0**
- EPA Energy Reduction:
- Percent total energy savings:
- Lighting Load after Controls (W/sf):

Jury Comments:

"The time has come for this technology and this building shows that it's there. It's useful and beautiful." – **Susan Szenasy / Metropolis / New York, NY**

"It's just amazing that this project was accomplished. There must have been extraordinary efforts to get the administrative bodies to agree to this! This shows extraordinary use of renewable energy strategies. New York should do this everywhere. Every city should do this everywhere." – **John Quale, Assistant Professor / University of Virginia School of Architecture / Charlottesville, VA**

"This solution makes the project seem so obvious. I'm sure it was not so easy, but it feels as it should have been. Perhaps other projects can use this as inspiration." – **Anne Schopf, FAIA / Mahlum Architects / Seattle, WA**

"You could put all this PV on a warehouse and it wouldn't be nearly as meaningful." – **David Brems, FAIA / Gillies Stransky Brems Smith / Salt Lake City, UT**





Sustainable Design Intent & Innovation

The project's most dramatic green feature is its improvement of the comfort, aesthetics, safety, and durability of a subway station, promoting the use of public transportation. The project celebrates Coney Island's character and history and has catalyzed a regeneration of the area.

The glass and steel structure employs a panelized construction system of photovoltaic panels. Rated at almost a quarter of a megawatt, the solar installation is among the largest in the country. This was a first-of-its-kind application, where low-cost, thin-film photovoltaic panels were combined with clear glass in custom glazing units to provide the right balance among shelter, daylighting, and electricity generation.

Primary Design Team Members

Kiss + Cathcart, Architects

Schiavone Construction Company, Inc.

Granite Halmar Construction Company, Inc.

Jacobs Engineering Group, Inc.

Domingo Gonzalez Associates, Inc.

Full project profile:

www.aiatopen.org/hpb/overview.cfm?ProjectID=822

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