

EMU Shop – Metro North Rail Yard New Haven, CT

Project Description:

Location

New Haven, CT

Owner

ConnDOT

Completion

Current

As part of the \$800 million Metro-North Rail Yard Improvement project, AI was assigned the design of the Electric Multiple Unit (EMU) train car repair shop. This two-story building will be used to perform lighting repairs on many train cars. AI was responsible for providing M/E/P and structural engineering services on this project. The design also included an addition to house an Uninterruptible Power Supply (UPS) unit for emergency lighting. AI provided code compliance and safety repairs.

Structural work included the addition of a new dock leveler, reinforcing of the roof framing above the office space to accommodate new rooftop mechanical equipment and new framed openings in the roof structure.



Salient Features

- Structural design and analysis
- Evaluation and reinforcement of existing roof elements.
- Coordination with owner, MEP engineers and other consultants