

# Empire State Building provides the backdrop, HDI's CIRCUM Square with LED and glass provides the security and spectacular view.

**May 12th, 2021 - Background:**

Rooftop lounging is part of the lifestyle in New York City where cityscape views are unparalleled. The 21-story art deco building at 16 East 34th Street is situated in the center of Manhattan's retail district and has incredible rooftop views of the Empire State Building. A contemporary railing system was needed for this spectacular rooftop space overlooking the bustling Manhattan shopping district.



**Railing System:** CIRCUM™ Square railing system

**Location:** Manhattan, NYC

**Architect:** Design Republic Architect

**Contractor:** Nucor Construction Group

HDI's Circum Square™ railing system with glass infill and LED lighting provided a sleek look without sacrificing unobtrusive views. Additionally, the high-quality stainless steel and expert engineering made this railing system a sturdy and durable choice for high wind loads. Secure mounts are especially important for tall buildings or rooftop decks exposed to higher wind loads. HDI coordinated with the onsite field management staff and engineers to ensure that the mount design met all applicable engineering standards and wind load requirements. "Due to mounting condition challenges that come with mounting into old brick on the build's rooftop, HDI worked very closely with their design team in conforming our standard railing base into an enlarged base plate specified by their EOR," said Mike Kay, Vice President of HDI Railings.



Due to the complexity of the COVID-19 pandemic, the overall construction project was delayed, but HDI worked very closely with the general contractor and building owner to provide flexibility in response to changing COVID restrictions. HDI made special arrangements to send a Project Manager to site to take onsite field measurements necessary for fabrication. All railings were fully assembled in HDI's Lancaster, Pennsylvania facility and then deconstructed into fully assembled sections for shipping thereby ensuring an efficient installation.



When installed and concealed properly, LED lighting within your stair railing system can provide increased security, durability, and design appeal. Specific lighting requirements were needed for the rooftop, so HDI furnished solutions to match the lighting design criteria. HDI provided asymmetric LED lighting to provide a directional beam in all required locations on the rooftop. Asymmetrical beam spread provides beam spread angles of 26 and 60 degrees measured from center, when it is desirable to vary the illumination on either side of the railing.



When building professionals need a railing system that can keep up with industry demands they turn to HDI Railings. HDI would welcome the opportunity to partner with you on your next project. Please contact Neil Andrews, National Sales Manager, Phone: (+44) 7383 436490 today.

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