

New York State Department of Transportation

Location: New York, USA

Application: Salt Storage

Building Series: TITAN®

Building Size: Over 150 buildings from 50' (15.2m) to 60' (18.2m) wide x 90' (27.4m) long

Over 150 Cover-All Buildings Used for Salt Storage in New York State

When two wood salt storage buildings collapsed within months of each other in February 2003, the New York State Department of Transportation (NY DOT) hired an independent engineering company to examine the remaining 146 salt storage buildings across the state to ensure there were no more building failures. The report concluded 70 more buildings suffered from major structural inefficiencies and a building solution was needed fast.

The repair cost estimates ranged from \$20,000 to \$180,000 per building and it was determined anything over \$75,000 to repair needed to be replaced. A resident engineer in neighbouring Allegany County constructed a Cover-All® building for salt storage in 2001 and was very impressed with the building. He highly recommended Cover-All® buildings for salt storage state-wide, and that proved to be the answer.

Cover-All Building Systems is the leading manufacturer of steel-frame fabric membrane buildings. Cover-All was able to provide an immediate solution and installed all 72 buildings in just four months. The authorized dealer Cover-All Building Systems of New York (CABS NY) delivered and fully installed each building 90 days after NY DOT placed a building order.

"The average time for a crew of four to install a 60' (18.2m) wide x 90' (27.4m) long building is just seven working days," says Ben Hogervorst, president, CABS NY.

According to the NY DOT, machine operators like the Cover-All® buildings because the clear-span space and wide entranceways make accessing the salt much easier. In 2004, the NY DOT ordered another 20 buildings which were replaced by Cover-All® buildings. To date, NY DOT along with several towns in the state have over 150 Cover-All® buildings that are used for salt storage.

Cover-All® buildings are easier to maintain than conventional buildings. If damage occurs on a particular section of a TITAN® building, the section can easily be replaced. Unlike NY DOT's other buildings, Cover-All® buildings don't require specialized personnel to monitor and repair the buildings.



NY DOT chose over 150 Cover-All® buildings to help manage their salt and road maintenance program.



The Cover-All® TITAN® buildings used to store salt range in size from 50' (15.2m) to 60' (18.2m) wide and 90' (27.4m) long.



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