

# IRON METAL WORKS APPLICATION

R&M Materials Handling, Inc.



*R&M chain hoists, wire rope hoists & crane components help our customers rise above their competition with the industry's broadest product portfolio.*

*With over 90 years of developing and perfecting crane packages, electric chain hoists, and wire rope hoists, R&M is ready to help your business rise above your material handling challenges.*

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**THE APPLICATION:**  
The project required a crane equipped for outdoor use that featured a "Restricted Area Protection" option to prevent the trolley from traveling into the area over the crane operator's pulpit located on the crane bay floor.

## Growth & Impact



### RESTRICTIVE AREA PROTECTION

*Prevents the trolley from traveling into the restricted area*



### OUTDOOR PROTECTION

*Hoist and trolley rain covers, standby heating and stainless-steel control enclosures*



### QX® CRANE PACKAGE

*Complete crane system engineered for performance, safety and reliability*

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*R&M crane packages are designed to work as a complete system, so every component, from the hoist selection to the bridge drives and girder size, are designed to work together. This means you are getting a fully optimized package to maximize your floor coverage and make the best use of your building space!*



## THE CHALLENGE:

*The heavy-duty application called for protection against moisture in cold or very humid condition plus restrictive area protection.*

## THE SOLUTION:

*R&M provided a QX® crane package utilizing the Spacemaster® SX wire rope hoist with outdoor service protection and a Restricted Area Protection option. The outdoor service protection included hoist and trolley rain covers, standby heating in all control panels and pendant to prevent the build-up of condensation, stainless steel control enclosures to help protect against corrosion, IP66 motors and bridge motor rain covers. The Restricted Area Protection option consisted of trolley and bridge limit switches used in conjunction with relay logic located in the bridge panel to prevent the trolley from traveling into the restricted area when the bridge was located over the operator's pulpit and the bridge from traveling over the restricted area when the trolley was inline with the operator's pulpit.*



## THE RESULTS:

*The R&M QX Modular Crane equipped with outdoor service protection and a Restricted Area Protection option allowed the crane to be protected from the weather and to safely operate only in the unrestricted area.*