



the OUTRIGGER

December 2011

R. Baker & Son Magazine

Service-Disabled Veteran-Owned Small Business (SDVOSB)

R. BAKER & SON Most Trusted with Nation's Treasures

Past editions of the Outrigger have spotlighted R. Baker & Son's contributions on projects at noted New York landmarks that include the ongoing United Nations renovation, the rigging of refurbished historic aircraft at the Intrepid Sea, Air and Space Museum, and the recently-completed 9/11 Memorial and Museum. More recently, R. Baker & Son completed a rigging project at the Intrepid Museum and has commenced work on a major renovation project at the Statue of Liberty.

In October, R. Baker & Son successfully rigged a Russian Soyuz TMA-6 spacecraft onto the Intrepid. The capsule, which completed its mission to the International Space Station in 2005, is being displayed as part of the Museum's outer space exhibit. On October 28th, R. Baker & Son began select demolition at the Statue of Liberty as part of a yearlong project to make the interior of the monument safer and more accessible. Plans include the installation of new code-compliant stairways and upgraded electrical and fire suppression systems, elevators and restrooms.

Time and again, R. Baker & Son has shown itself to be the preferred rigging and demolition contractor entrusted with our nation's landmarks, historic sites and treasured artifacts. This serves as a valuable testament to our clients that R. Baker & Son we can handle the even most challenging projects, large or small, with unsurpassed expertise and care.



inside this issue...

r. baker & son most trusted with the nation's treasures
scheduling for dust, noise and vibration
holiday cheer - fall protection

Scheduling for Dust, Noise and Vibration

Demolition is usually the first phase of a renovation project, and it requires careful planning and a highly experienced contractor. But even though it is very important to the entire project schedule to complete the demolition phase on time, design drawings are often lacking in detail, and means and methods are left to the demolition contractor.

Demolition timing and logistics must be carefully coordinated with owners and facility managers to make sure that business operations and production continue smoothly, with no disruption. R. Baker & Son has extensive experience filling in the fine details required to complete this phase swiftly, safely, and efficiently.

Dust, noise, and vibration are often major concerns and must be addressed in detail. Dust can be alleviated by wetting surfaces, capturing particles with fog or spray, or using exhaust systems. Noise and vibration are largely inevitable byproducts that can be annoying to workers and disruptive to productivity, so it is important to work closely with owners to carefully schedule tasks that will create dust, noise, vibration, or any combination of the three. For example, a job requiring the use of jackhammers can be scheduled on a particular day from 6 to 8 a.m., noon to 1 p.m., and 4 to 6 p.m. This allows management to plan ahead and work around these conditions without any surprises or unexpected disruptions.

A Rigging and Routing Plan is another important part of the demolition phase of a project.

R. Baker & Son is familiar with the many complexities involved in moving large pieces of equipment such as lyophilizers, air handling units, isolators and boilers. Careful planning is required to determine when and how to move these items, and through what access points, and rigging is coordinated to occur during convenient off hours when personnel safety won't be compromised.

R. Baker & Son has countless successful demolition projects under our belts and can provide clients with demolition schedules and Rigging & Routing Plans that address all project concerns and details. Please contact us if we can help with your next project.



**Happy Holidays
from R. Baker & Son**

Fall Protection: How to Prevent Falls

1. Fall hazards are nearly limitless. Carefully assess your worksite for fall hazards and safeguard against them.

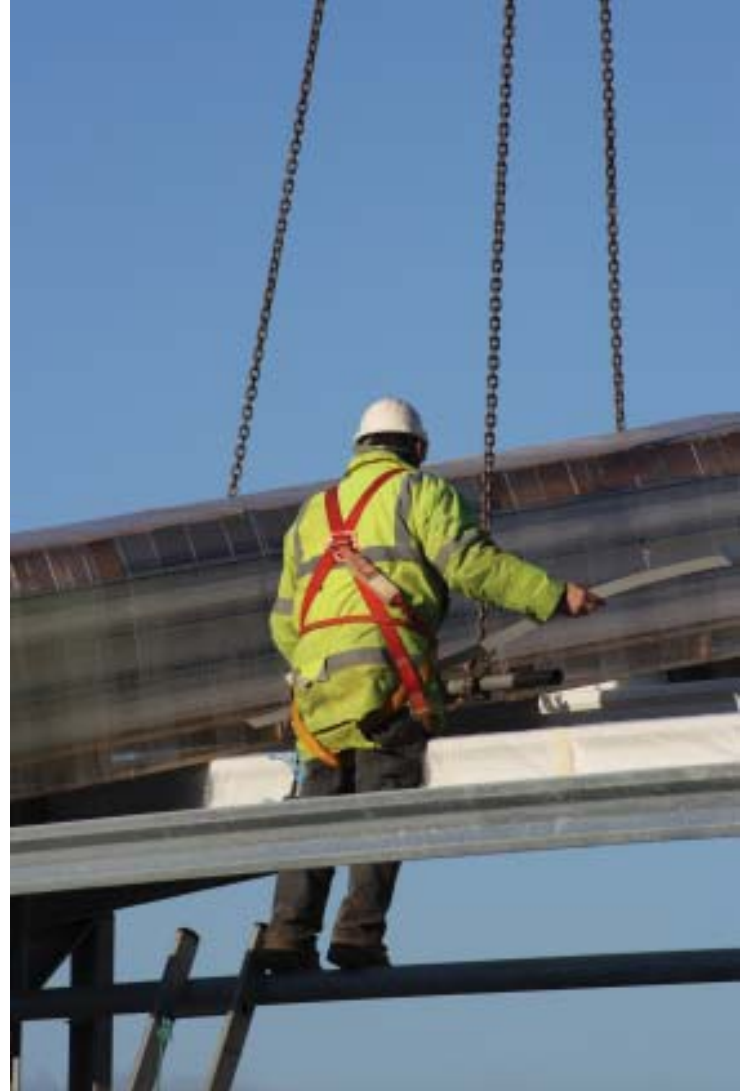
2. Select your harness and properly fit to each individual. Follow manufacturer instructions, and readjust as needed. Inspect regularly, especially when used in areas where excessive wear can occur.

3. Choose the appropriate lanyard. Lanyards must comply with ANSI standards. Most common are shock absorbing lanyards, which elongate to slow the wearer to a stop and minimize impact force. Retractable lanyards, which lock up during acceleration to arrest a fall, are gaining in popularity. This type should never be attached to an additional lanyard, and overhead anchors should always be used. Never wrap any lanyard around a structure or over railings.

4. Ensure good anchorage. Snaphooks and carabiners must be attached to compatible connection points. Recent ANSI standards require that snaphook gate strength be stamped on the gate itself. No part of the gate should contact any metal. Fall-arrest anchor points are required to support a load of 5,000 lbs by both OSHA and ANSI. For fall restraint, anchor points should support 1,000 lbs. or twice the expected load.

5. Calculate clearance and capacity. Freefall should be limited to 6' or less and should take into account deceleration distance, harness movement, and anchor-point stretch. Capacity calculation should include the weight of the worker's clothing and tools. Minimize swing risks with overhead anchors and limit offset to 30 degrees or less.

6. Finally, have a rescue plan in place. If a fall occurs, quick response is vital to prevent suspension injuries.



Lead Paint Detection Simple and Affordable

Lead was used for many years to improve paint quality, but it is a highly toxic substance that causes damage to heart, bones, intestines, and reproductive and nervous systems, particularly in children. It's use in paint was banned in the US in 1978. Lead paint was most commonly used in residential applications, but it was also used as a primer for steel, on ships, and to line traffic lanes and parking lots. If your home or structure was built prior to 1978 and you have concerns about lead paint, there are several EPA-approved instant-detection swab kits that are widely available. When renovating, repairing or painting, make sure your contractor follows EPA lead-safe practices.