



TOP 3 THINGS TO KNOW ABOUT BLAST RESISTANT DOOR SAFETY



WE OFFER A TRAINING PROGRAM FOR
INSTALLERS AND BARTLETT COCKE INDUSTRIAL
IS ON OUR LIST OF CERTIFIED INSTALLERS.

BRIAN REVITSKY
Project Engineer
Overly Door Company

OVERVIEW

A lot of research and engineering is involved in the design of blast resistant doors. Proper installation and regular maintenance are required to ensure that these life safety critical elements perform properly. The Industrial Services team at Bartlett Cocke Industrial (BCI) understands this, which is why we're one of the leading blast resistant door installers in Texas.

Our Services team performs new installation and comprehensive, routine maintenance and repairs for petrochemical clients throughout Texas.

HERE ARE 3 THINGS TO KEEP IN MIND WITH BLAST RESISTANT DOORS:



1. DOOR INSTALLATION



2. DOOR DO'S AND DON'TS



3. ROUTINE MAINTENANCE

1.

DOOR INSTALLATION

The components of a door including the frame and the hardware combined will designate the door's overpressure rating. Proper installation of a blast door impacts the ability of the door to withstand a determined PSI blast and lock shut to protect from vapor/chemical exposure. A typical blast door weighs 450 lbs and installation requires the use of a crane or forklift to set in place with the door welded and cemented into the buildings. This work should be done by a licensed blast engineer and a knowledgeable, experienced team of installers.



2.

DOOR DO'S AND DON'TS

Years ago, a major U.S. military branch made headlines when officers who were in charge of nuclear launches were caught numerous times leaving open blast doors which were intended to keep them safe.

There are important things to keep in mind when it come to blast doors:



DO

DO CLOSE THE DOOR!

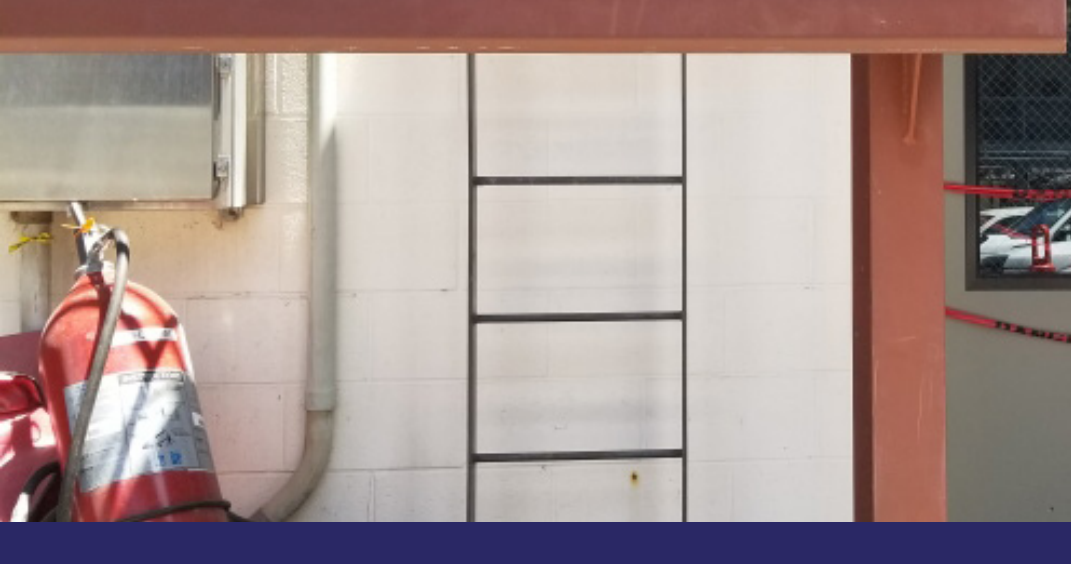
A blast door is only effective when the door is closed. Propping a blast door open affects the integrity of the building's ability to resistant a blast, jet fire, or chemical event. Blast doors should always be equipped with a door closer.



DON'T

DON'T BLOCK THE DOORWAY!

Another common mistake is blocking the doorway near a blast door. Anything that obstructs this area prevents people from being able to safely evacuate and can exacerbate a fire due to the presence of combustibile materials such as paper or wood.



ABOUT

Bartlett Cocke Industrial brings over six decades of experience working with many of industrial clients along the Gulf Coast. Our capable, stable workforce can mobilize quickly, and has a depth of experience that encompasses a broad range of industrial environments and facility types. We have been able to maintain a reputation of knowledge, industry experience, dependability, quality, and customer service to become one of the safest, most versatile industrial builders in Texas. Our proven track record of satisfied clients can attest to our successful performance history of safety, timely completion, cost savings and quality.

Our Services team stands ready to deliver industry-leading services in regards to your building and maintenance service work needs.

For more information on how we can support you, please call 281.839.7171

bartlettcockeindustrial.com



WE'RE OFTEN ASKED IF WE CAN RECOMMEND A COMPANY TO DO WORK AND WE ALWAYS WANT TO BRING IN BARTLETT COCKE SERVICES. THEY UNDERSTAND THE DETAILS OF BLAST DESIGN WORK.

TRAVIS HOLLAND
Principal Engineer
BakerRisk- Engineering and
Risk Consultant Company

BARTLETT COCKE
INDUSTRIAL

3.

ROUTINE MAINTENANCE

Unlike a traditional door, a blast-resistant door requires more maintenance and more attention than the door in average home. The weight of the blast door and the constant opening and closing can cause the door to sag, wearing down hardware such as hinges and seals. This can have a negative effect on the building's overall ability to function as designed. It is critical to schedule routine inspections for blast doors every quarter to ensure the integrity of critical components:

- ❶ Hinges, rods, handles
- ❷ Integrity of the exterior: rust, hole and cracks
- ❸ Panic devices
- ❹ Cleaning and greasing interior parts
- ❺ Closures
- ❻ Fluid in the hydraulic mechanism or arm
- ❼ Weather stripping
- ❽ Automatic door sweeps

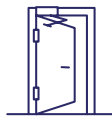
Regular, routine maintenance for blast doors ensures the safety of people and equipment (*example: oil and gas platforms, petrochemical plants*).

Most of these repairs and inspections can be done by a single Industrial Services employee – minimizing the footprint and risk within your plant.

BENEFITS OF ROUTINE INSPECTIONS:



ENSURE THAT YOUR
PERSONNEL ARE
PROTECTED



CAN INCREASE THE
LIFE SPAN OF THE DOOR
FROM 10 TO 50 YEARS



SAVE YOU THOUSANDS
OF DOLLARS OVER TIME