

A REALISTIC TIMELINE FOR INSTALLING A BLAST RESISTANT BUILDING



Speak with an expert who will discover exactly what kind of building will best meet your needs



DESIGN

Pre-engineered designs or customized buildings



BUILD

Offsite Build



INSTALLATION

Assembly of the building

OFF-SITE

(MANUFACTURER'S LOCATION)



OPERATION

Ensure that your building is safe and ready for your team

ON-SITE

(CUSTOMER'S LOCATION)

NO DISRUPTION

NO DISRUPTION





PROCESS

Concrete Build

VS.

DAY 1

Steel Build **PROCESS**

(MANUFACTURER'S LOCATION) CONCRETE CONCEPT During the concept phase, it becomes clear that a majority of the building process will take place on-site.

OFF-SITE

CONCRETE **DESIGN** rather than steel. Plus, the overall height is restricted due to weight and shipping

The building material is concrete, restrictions. CONCRETE **BUILD**

The concrete blocks will be constructed to be a modular piece together concept, but will be empty. This totally negates the benefits of using true modular construction. The building is empty and very incomplete when it is shipped.

CONCRETE **OPERATION**

Exposure to the raw concrete, even with drywall on the walls makes

the space echo when you speak.

are left feeling unsure of your

decision.

The building is completed, yet you

ON-SITE (CUSTOMER'S LOCATION)

NO DISRUPTION

NO DISRUPTION

NO DISRUPTION

DISRUPTION BEGINS

CONCRETE **INSTALLATION** The installation process seems like an entire build, rather than an installation. Interior heights are low due to the thickness of the roof required to meet blast loads, leaving all the interior equipment (ductwork, electrical conduit runs,

····· communication cables, etc.)

exposed. This requires an additional

step of applying insulation to the

exterior roof of the building.

CONCRETE ACCESS CONTROL Since the installation is complicated,

there are a lot of workers on-site (about 10-12 rather than 2 or 3), meaning more people in hazardous areas, increasing risk.

DAYS

DAYS

DAYS

STEEL CONCEPT You are asked pre-construction questions to ensure your needs are met. You are advised to go with steel for your building material because it is stronger and has flex, making it best suited for

blast protection, and also allows for quicker assembly on-site. STEEL **DESIGN**

> contractor comes up with a design for your approval. You have the option to choose a pre-engineered design or develop a uniquely customized unit.

STEEL BUILD Finishing and temporary assembly are completed offsite so that the

Once your project is understood, the

team can do a walk-through. Once that is approved, the units are disassembled and the sections are shipped on trucks to be assembled on site.

NO DISRUPTION

STEEL INSTALLATION By the time these units are delivered, the electrical, plumbing, and communication components are hooked up and then the entire building is joined,

> bolted, and sealed. It's almost like putting together a large Lego kit.

STEEL **OPERATION** There is a strong focus on customer satisfaction, to ensure that everything

has been delivered as promised.

PROJECT TIMES MAY VARY

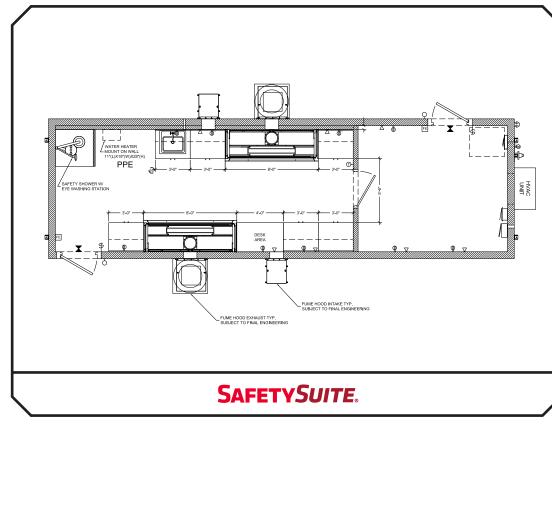


Our Blast Resistant Buildings



Estimated Timelines

SMALL PROJECT





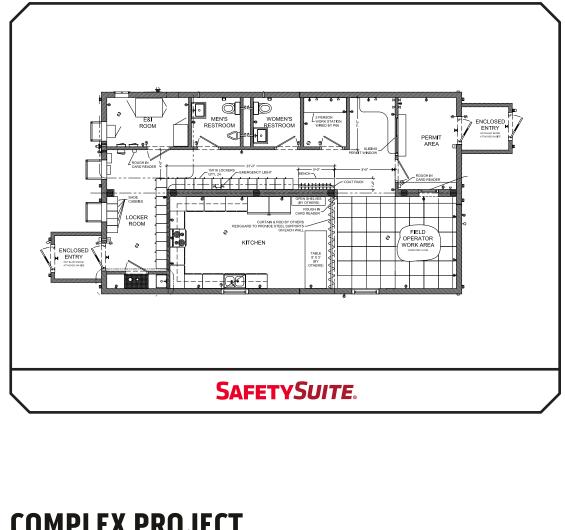
3-5 months for delivery



No outside resources on-site

Less than 1 week on-site

MEDIUM PROJECT



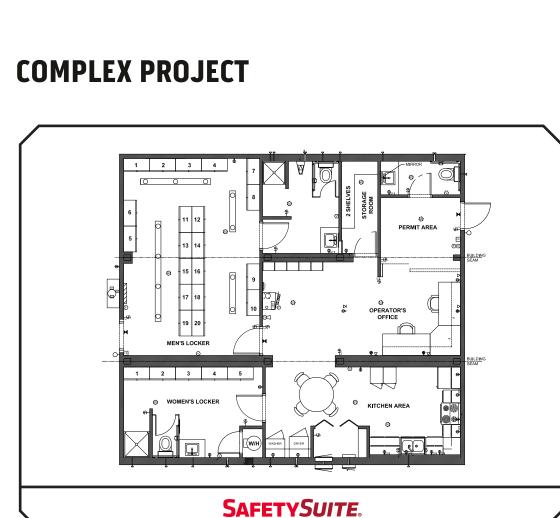


Up to 3 weeks for on-site installation

5-8 months for delivery



2-3 people on-site





6-10 months for delivery



2-4 people on-site

1 month plus for on-site installation