



BUILDING MANUAL & MAINTENANCE SCHEDULE

SuperLoc®

FireLoc®

ChemLoc®

DrumLoc®

TurfLoc®



PYRAMID 1, INC.

Download additional copies of this Building Manual at: www.uschemicalstorage.com

phone: **800.233.1480** fax: 336.990.0076 web: uschemicalstorage.com

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INTRODUCTION



SuperLoc



ChemLoc



DrumLoc

*Thank you for purchasing
your hazmat storage building from*



**U.S. CHEMICAL
storage**



FireLoc



TurfLoc



MODULARS

U.S. Chemical Storage buildings are professionally engineered and audited for quality assurance and carry the approval from Factory Mutual and Warnock Hersey. All electrical components are UL-Listed. This assures you that you can achieve compliance with environmental laws and will attain a safe and non-polluting workplace for the storage of hazardous materials and waste. Only premium grade materials are used in construction of U.S. Chemical Storage buildings to ensure that your building will meet or exceed environmental standards set forth by OSHA, EPA, NFPA and the federal government.

U.S. Chemical Storage buildings are designed for use as separate, detached structures for indoor or outdoor use.

They are intended for the storage of Class I, II, and III Flammable/Combustible liquids, hazardous materials and wastes.

U.S. Chemical Storage buildings may require a building permit or an approval from the “Authorities Having Jurisdiction.” It is the responsibility of the purchaser to ensure that all needed approvals are obtained and that the installation of these buildings are in accordance with the local codes and regulations.

The “Authority Having Jurisdiction” has the final responsibility to ensure that the building’s design is applicable for its intended use, and that the proper installation procedure—including location of the building, footings and tie-downs— is in compliance with the appropriate codes and standards.

U.S. Chemical Storage offers all specification sheets, manuals, and pertinent documentation for all accessories pertaining to your building.

Please contact us for further guidance.

SHIPPING & DELIVERY

Your building will arrive via open trailer (flat bed, step deck, etc.) and can be off-loaded with a crane or forklift. Keep in mind that most of the trucks are up to 80 feet long and will need room to maneuver at your site.

All buildings are thoroughly inspected and photographed at the factory prior to shipping and after placement on the truck.

It is very important that you inspect your building immediately. If there are any damages or discrepancies with your order, they must be clearly noted on your carrier's Bill of Lading.

It is your responsibility to arrange the forklift and/or crane to off-load your building at your site!



Building arrives on a tractor-trailer.



IMPORTANT:

Compare your delivery with your order confirmation and approval drawing that you were sent before production.

REPORT ANY EXCEPTIONS NOW.

Inspect your shipment immediately and clearly note any damages on the carrier's Bill of Lading. Also, you must contact U.S. Chemical Storage **IMMEDIATELY** by phone at **1-800-233-1480**.

U.S. Chemical Storage and their Representatives will not entertain any claim for damages or discrepancy, and you will assume total responsibility, if not clearly noted on your bill of lading!

U.S. CHEMICAL STORAGE	
BILL OF LADING - NOT NEGOTIABLE	
Name:	U.S. Chemical Storage, LLC
Address:	1808 River St. Hwy 289 West
City:	Wilmington, NC 28407
State:	NC
Zip:	28407
Phone:	800-233-1480
Lot No.:	30-11111
IMPORTANT: Customer must check this Bill of Lading	
LOAD NO.:	FREIGHT: PRE-PAID <input type="checkbox"/> COLLECT: <input type="checkbox"/> 3rd Party: <input type="checkbox"/>
MODEL:	FL1110 Actual Dimensions
Total:	1
Number:	Weight:
COD'S CASHIER OR CERTIFIED CHECK PAYABLE TO	

UNPACKING & INSPECTING

After your building is unloaded from the truck onto your site, you should carefully inspect it. Because of the movement during shipping, some of the fittings of the building may loosen up, break apart and/or require attention and possible adjustment. Inspect the building and all equipment contained therein:

- **Tighten and secure all fittings, fasteners and moving parts.**
- **Check your sump coating or liner and ensure it is still fitting tightly.**
- **Inspect all interior and exterior paint and coatings. Look for abrasions, chips, seals and other areas that might have been affected during shipment and off-loading.**
- **Check your building's doors and door handles/closures to make sure they are moving and closing properly.**
- **Make sure a licensed electrician enables and inspects all electrical connections and electrical components.**
- **If applicable, inspect explosion relief panels, remove the zip ties and replace shipping screw with pressure-relief screw.**
- **Terminals need to be adjusted during start-up. Replace bolts for proper application (electrical).**

Your chemical storage building will be equipped with components listed in the diagram to the right. This diagram is not reflective of any electrical or fire suppression accessories that you may have ordered. You have received an approval drawing like the illustration on the following page, showing the exact layout of your building.



Once you have completed this unpacking and inspection of complete building and components, should you find damage, you must report it immediately.

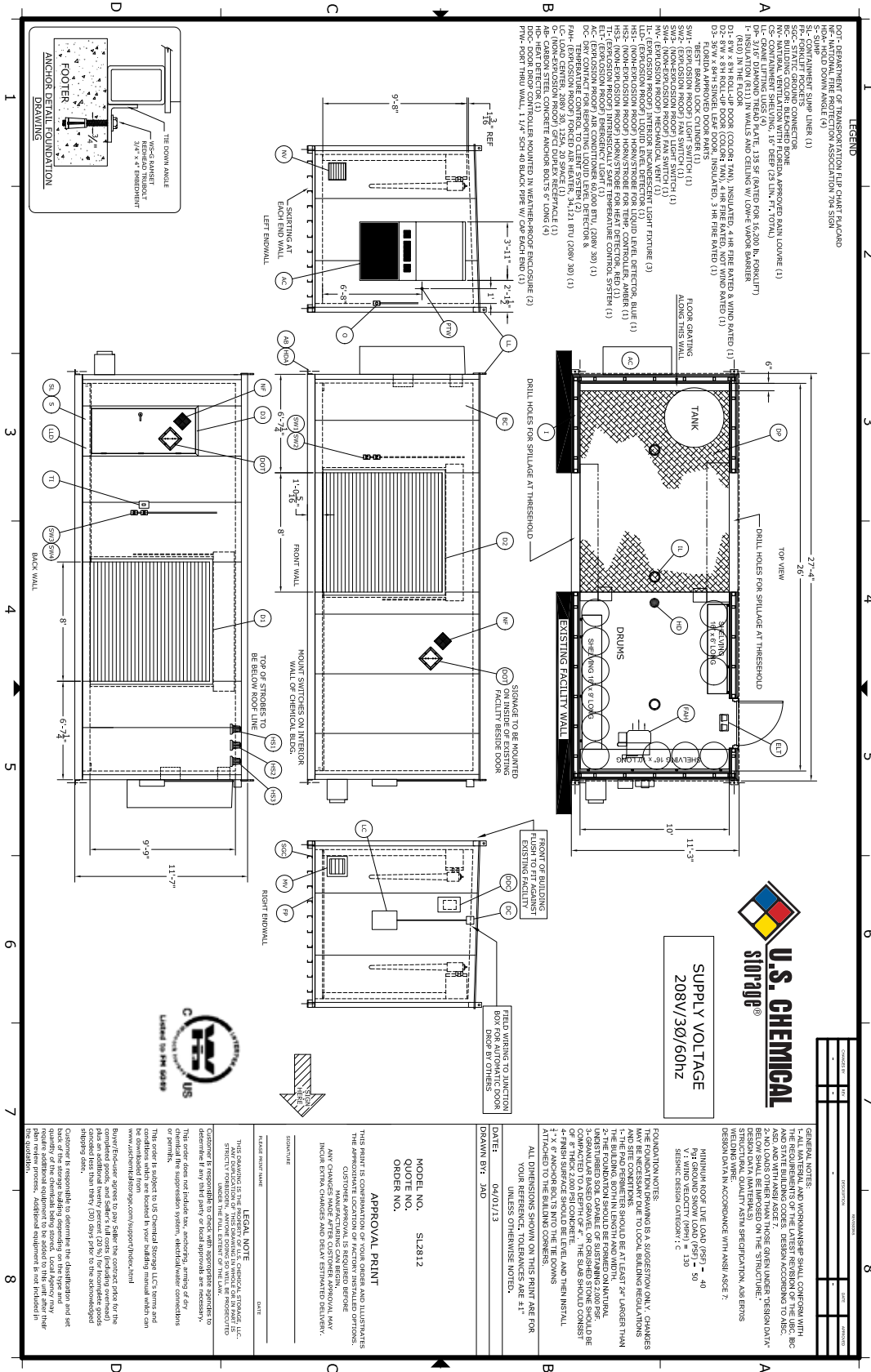
It is your responsibility to note any pertinent information on your Bill of Lading and also to immediately call U.S. Chemical Storage toll-free:

1-800-233-1480

SAMPLE BUILDING DIAGRAM



SAMPLE APPROVAL DRAWING



NO.	REVISIONS	DATE

SUPPLY VOLTAGE
 208V/30/60Hz



GENERAL NOTES:
 1- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH ALL APPLICABLE LOCAL, STATE, FEDERAL, AND NATIONAL BUILDING AND STATE BUILDING CODES, DESIGN ACCORDING TO A.S.C. AND ANY OTHER ASSET LOSS PREVENTION DESIGNATION.
 2- ALL DIMENSIONS SHOWN ON THIS PRINT ARE FOR YOUR REFERENCE. TOLERANCES ARE ±1"
 UNLESS OTHERWISE NOTED.

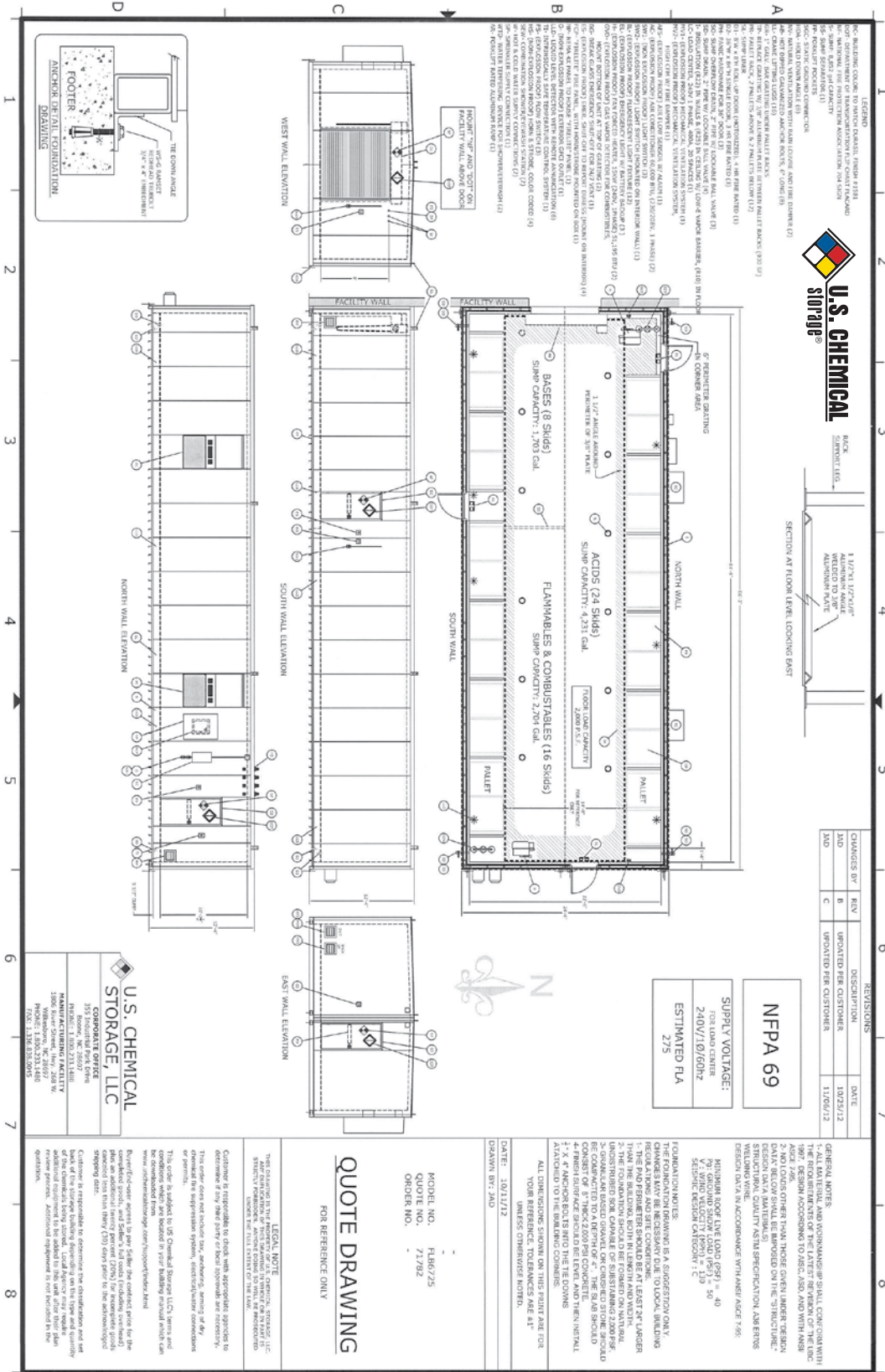
FOUNDATION NOTES:
 1- FOUNDATION SHALL BE CONFORMANT WITH ALL LOCAL, STATE, FEDERAL, AND NATIONAL BUILDING AND STATE BUILDING CODES.
 2- FOUNDATION SHALL BE MINIMUM 18" THICK.
 3- FOUNDATION SHALL BE REINFORCED WITH #4 REINFORCING BARS.
 4- FINISH SURFACE SHOULD BE LEVEL AND THEN INSTALL 1" x 1" REINFORCING BARS AND CONCRETE DOWNS.

APPROVAL PRINT:
 THIS PRINT IS COMPREHENSIVE OF YOUR DESIGN AND ILLUSTRATES THE APPROXIMATE LOCATION OF FACTORY INSTALLED OPTIONS. CUSTOMER CHANGES MUST BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, FEDERAL, AND NATIONAL BUILDING AND STATE BUILDING CODES.
 ANY CHANGES MADE AFTER CUSTOMER APPROVAL MAY BE SUBJECT TO REDESIGN AND/OR REPRICING.

LEGAL NOTE:
 THIS DRAWING IS THE PROPERTY OF U.S. CHEMICAL STORAGE, L.L.C. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY INDICATED THEREON. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.
 Customer is responsible to check with appropriate agencies to determine if any state party or local approvals are necessary. This order does not include tax, anchoring, arming of any steel reinforcement, or other special requirements. This order is subject to U.S. Chemical Storage LLC's terms and conditions which are located in your building manual which can be found at www.uschemicalstorage.com/support/index.html. Buyer/User agrees to pay seller the contract price for the completed goods and Seller's full costs (including overhead) for the remainder of the contract period. Seller's liability is limited to the amount of the contract price and is not to be construed as an implied warranty. Seller's liability is limited to the amount of the contract price and is not to be construed as an implied warranty. Seller's liability is limited to the amount of the contract price and is not to be construed as an implied warranty.

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 Customer is responsible to check with appropriate agencies to determine if any state party or local approvals are necessary. This order does not include tax, anchoring, arming of any steel reinforcement, or other special requirements. This order is subject to U.S. Chemical Storage LLC's terms and conditions which are located in your building manual which can be found at www.uschemicalstorage.com/support/index.html. Buyer/User agrees to pay seller the contract price for the completed goods and Seller's full costs (including overhead) for the remainder of the contract period. Seller's liability is limited to the amount of the contract price and is not to be construed as an implied warranty. Seller's liability is limited to the amount of the contract price and is not to be construed as an implied warranty. Seller's liability is limited to the amount of the contract price and is not to be construed as an implied warranty.

SAMPLE APPROVAL DRAWING



PURCHASER RESPONSIBILITIES

- Building permits and site location.
- Any off-loading and placement of building(s). Crane off-loading (spreader bars will be necessary) or forklift off-loading.
- Foundation design; concrete pad and site location; site preparation for your building; loading ramps; electrical transformer (if required) and any other elements required to complete your installation.
- Removal of any packing material and tapes (e.g. closed and taped fire dampers etc.)
- Arming and certifying the dry chemical fire suppression system. Activation cartridge is shipped loose inside enclosure (if applicable).
- The installation of the static electricity grounding rod and attachment of conductor (wire) from rod to the building grounding lug, which is located on the side wall, bottom corner of the building.
- Electrical power connections, including but not limited to: electrical wiring, conduit, supports, and knock-down transformer with local disconnect switch. Building distribution panel is sized to your specific building and is designed to accommodate the load for your building.
- Remote wiring; such as required for plant interfacing.
- Touch-up painting on location, if needed.
- Final site inspection, if required, by local authorities.
- Periodic building maintenance.
- Terminals adjusted.
- Secure fittings.
- Shelving.
- Adjust Heaters/AC/Humidifiers.

THIRD PARTY APPROVALS

U.S. Chemical Storage buildings are designed for storage and dispensing of flammable liquids as defined by NFPA 30. The approval is based on an evaluation of the buildings in accordance with the requirements of Class 6049 “Storage Buildings for Flammable and Combustible Liquids” and NFPA 30 of the *Flammable and Combustible Liquid Code*.

The approval is also based on an initial manufacturing facilities audit to verify the manufacturer’s ability to produce as designed and evaluate the quality assurance program.

Maintaining the *Factory Mutual* & *Warnock Hersey* approvals and labeling privileges is contingent upon maintaining a strict quality assurance program and satisfactory field experience. FM conducts quarterly unannounced factory audits to inspect production and review the quality assurance program and documentation in great detail.

The *Factory Mutual* label will be located on or near the front door. The *Warnock Hersey* label will be located on the data plate inside the building.



PYRAMID 1, INC.

Other third party and state approvals available.

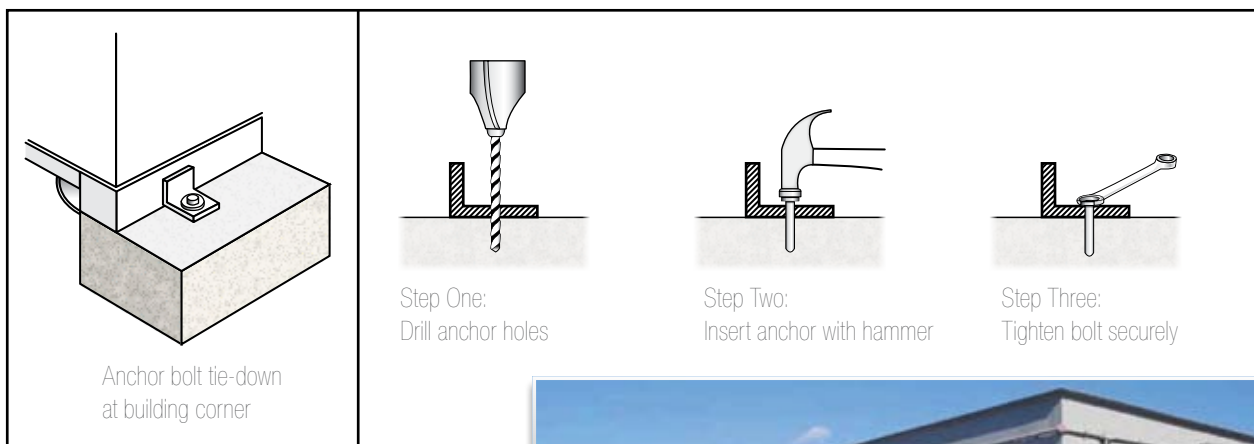
NOTE: Please check with your local fire code for location limits for your building.

SITE PREPARATION & PAD RECOMMENDATIONS

U.S. Chemical Storage recommends that your building(s) be placed on a level, stable, hard surface that is not likely to become uneven due to weather conditions or wear over time. Even a very small change (one degree or more) in elevation can reduce the effective spill containment capacity. This could cause the liquid level detection alarm (if utilized) to activate prematurely. Always allow space around site/foundation for off-loading, daily usage and inspection of building. Inspections should include interior, exterior and underneath the structure. A level concrete pad with front access is strongly recommended.

Important Specific Recommendations:

1. Pad perimeter should be at least 12" larger than the building. (24" is recommended.)
This is for both the length and the width of the pad.
2. A base of granular gravel or crushed stone is highly recommended. This base should be well compacted to a depth of 4" to 6".
3. The concrete slab should be rated to withstand the combined weight of the building and materials. This should take into consideration—and be based upon—your local soil and weather conditions.
4. Finished surface **MUST BE LEVEL!**
5. Recommended to install 3/4" diameter anchor bolts with a minimum 5" embedment in tie-downs at building corners. Consult local engineer.



The building "tie-downs" are steel plates that are welded to the four corners of your building. After leveling the building, you will need to immediately anchor the building down to your slab using these tie-downs and the appropriate size bolts.

Relocation Instructions:

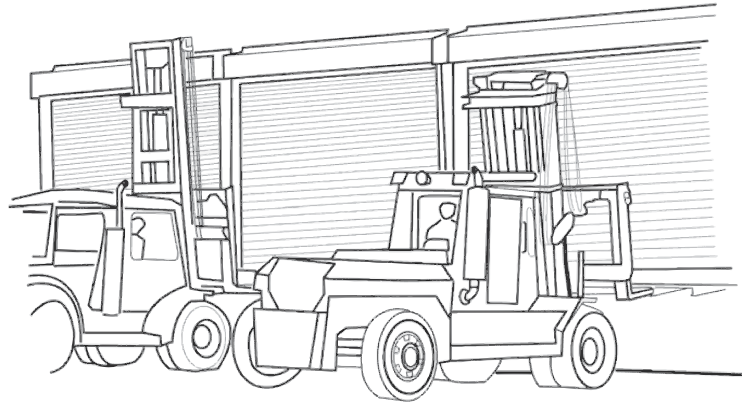
Unbolt the building and repeat the steps for site preparation.



OFF-LOADING YOUR BUILDING

OFF-LOADING WITH A FORKLIFT

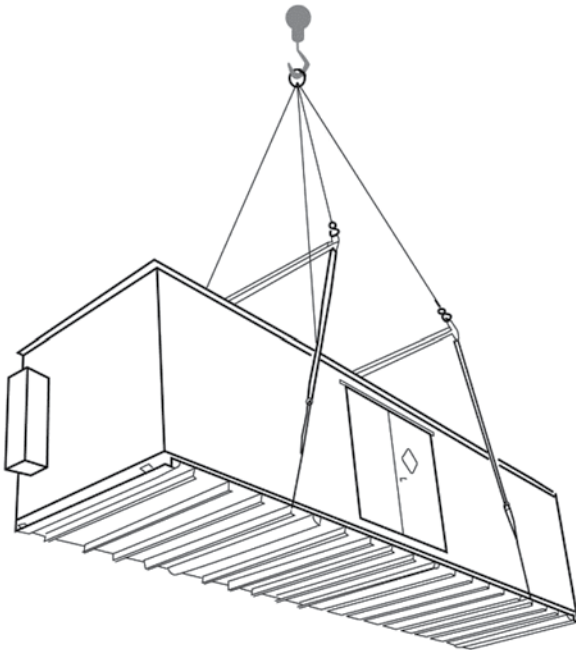
Forks on lift must be 8' feet in length, and they must be able to reach completely underneath the building. Single forklift off-loading is recommended for buildings 12' feet long or less. Two forklifts may be utilized for off-loading longer buildings.



USE CAUTION!

BUILDING IS UNSTABLE DURING OFF-LOADING

OFF-LOADING WITH A CRANE



Determine the final weight of your specific building with your sales engineer (weights will vary due to specific accessories and components unique to each situation). When you arrange for off-loading with a professional crane company, be sure to notify them of the exterior dimensions (L x W x H) and weight of your building.



USE CAUTION!

BUILDING IS UNSTABLE DURING OFF-LOADING AND THE CENTER OF GRAVITY MAY NOT BE AT THE GEOMETRICAL CENTER OF THE BUILDING WHEN LIFTED.

CRANE SPECIFICATION RECOMMENDATION TABLE

Nominal Size (FT)	Tare Weight (LB)	Spreader Bars (Qty)	Length (IN)	Crane Capacity (TONS)
SL0505	5,440 Lbs	2	74	20
SL0705	8,300 Lbs	2	74	20
SL0905	9,650 Lbs	2	74	20
SL1105	10,850 Lbs	2	74	20
SL1305	12,050 Lbs	2	74	20
SL1505	13,250 Lbs	2	74	20
SL1705	14,450 Lbs	2	74	50
SL1905	15,650 Lbs	2	74	50
SL2105	16,850 Lbs	2	74	50
SL2305	18,050 Lbs	2	74	50
SL2505	19,250 Lbs	2	74	50
SL2705	20,450 Lbs	2	74	50
SL2905	21,650 Lbs	2	74	50
SL3105	22,850 Lbs	2	74	50
SL3305	24,050 Lbs	4	74	50
SL3505	25,250 Lbs	4	74	50
SL3705	26,450 Lbs	4	74	50
SL3905	27,650 Lbs	4	74	50
SL4105	28,850 Lbs	4	74	50
SL4305	30,050 Lbs	4	74	50
SL4505	31,250 Lbs	4	74	70
SL4705	32,450 Lbs	4	74	70
SL4905	33,650 Lbs	4	74	70
SL5105	34,850 Lbs	4	74	70
SL0707	10,000 Lbs	2	98	20
SL0907	11,500 Lbs	2	98	20
SL1107	12,800 Lbs	2	98	20
SL1307	14,100 Lbs	2	98	20
SL1508	15,400 Lbs	2	98	20
SL1707	16,700 Lbs	2	98	50
SL1907	18,000 Lbs	2	98	50
SL2107	19,300 Lbs	2	98	50
SL2307	20,600 Lbs	2	98	50
SL2507	21,900 Lbs	2	98	50
SL2707	23,200 Lbs	2	98	50
SL2907	24,500 Lbs	2	98	50
SL3107	25,800 Lbs	2	98	50
SL3307	27,100 Lbs	4	98	50
SL3507	28,400 Lbs	4	98	50
SL3707	29,700 Lbs	4	98	50
SL3907	31,000 Lbs	4	98	50
SL4107	32,300 Lbs	4	98	50
SL4307	33,600 Lbs	4	98	50
SL4507	34,900 Lbs	4	98	70
SL4707	36,200 Lbs	4	98	70
SL4907	37,500 Lbs	4	98	70

NOTE: FL, DL, TL and CL models will vary lighter on weight than SL models. Contact our Shipping department to get exact weight. Weights listed are for buildings only. Accessories will change weight of all buildings.

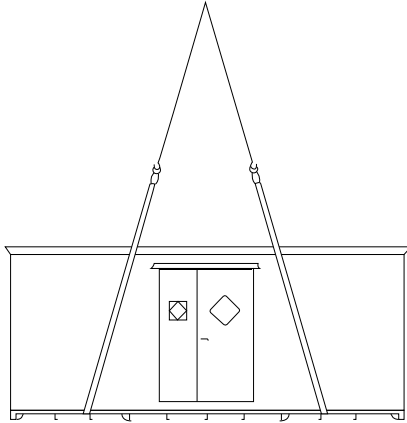
CRANE SPECIFICATION RECOMMENDATION TABLE (CONT'D)

Nominal Size (FT)	Tare Weight (LB)	Spreader Bars (Qty)	Length (IN)	Crane Capacity (TONS)
SL5107	38,800 Lbs	4	98	70
SL0709	11,400 Lbs	2	122	20
SL0909	13,200 Lbs	2	122	20
SL1109	14,600 Lbs	2	122	20
SL1309	16,000 Lbs	2	122	20
SL1509	17,400 Lbs	2	122	20
SL1709	18,800 Lbs	2	122	50
SL1909	20,200 Lbs	2	122	50
SL2109	21,600 Lbs	2	122	50
SL2309	23,000 Lbs	2	122	50
SL2509	24,400 Lbs	2	122	50
SL2709	25,800 Lbs	2	122	50
SL2909	27,200 Lbs	2	122	50
SL3109	28,600 Lbs	2	122	50
SL3309	30,000 Lbs	4	122	50
SL2509	31,400 Lbs	4	122	50
SL3709	32,800 Lbs	4	122	50
SL3909	34,200 Lbs	4	122	50
SL4109	35,600 Lbs	4	122	50
SL4309	37,000 Lbs	4	122	50
SL4509	38,400 Lbs	4	122	70
SL4709	39,800 Lbs	4	122	70
SL4909	41,200 Lbs	4	122	70
SL5109	42,600 Lbs	4	122	70
SL0711	13,000 Lbs	2	146	20
SL0911	14,900 Lbs	2	146	20
SL1111	16,400 Lbs	2	146	20
SL1311	17,900 Lbs	2	146	20
SL1511	19,400 Lbs	2	146	20
SL1711	20,900 Lbs	2	146	50
SL1911	22,400 Lbs	2	146	50
SL2111	23,900 Lbs	2	146	50
SL2311	25,400 Lbs	2	146	50
SL2511	26,900 Lbs	2	146	50
SL2711	28,400 Lbs	2	146	50
SL2911	29,900 Lbs	2	146	50
SL3111	31,400 Lbs	2	146	50
SL3311	32,900 Lbs	4	146	50
SL3511	34,400 Lbs	4	146	50
SL3711	35,900 Lbs	4	146	50
SL3911	37,400 Lbs	4	146	50
SL4111	38,900 Lbs	4	146	50
SL4311	40,400 Lbs	4	146	50
SL4511	41,900 Lbs	4	146	70
SL4711	43,400 Lbs	4	146	70
SL4911	44,900 Lbs	4	146	70
SL5111	46,400 Lbs	4	146	70

RECOMMENDATIONS ONLY

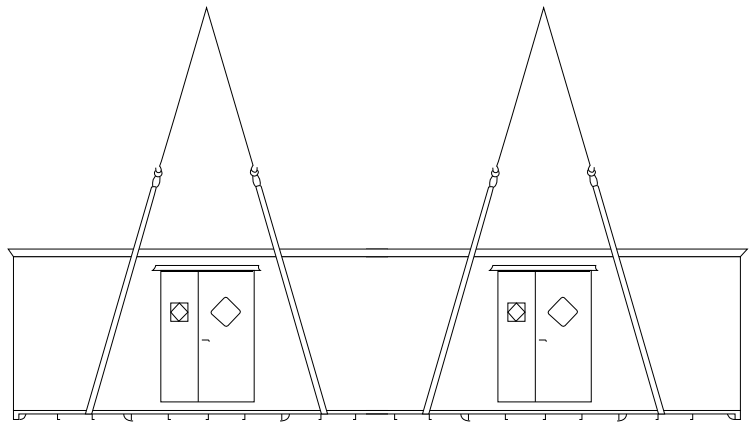
2 Spreader Bar Method

For building models less than 32' feet long.



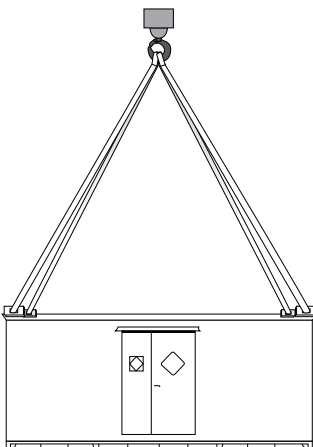
4 Spreader Bar Method

For building models more than 32' feet long.



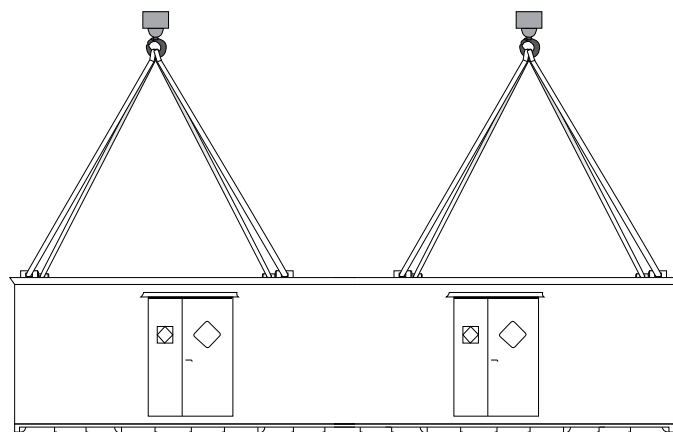
4 Lug Roof Method

For building models less than 32' feet long.



8 Lug Roof Method

For building models more than 32' feet long.

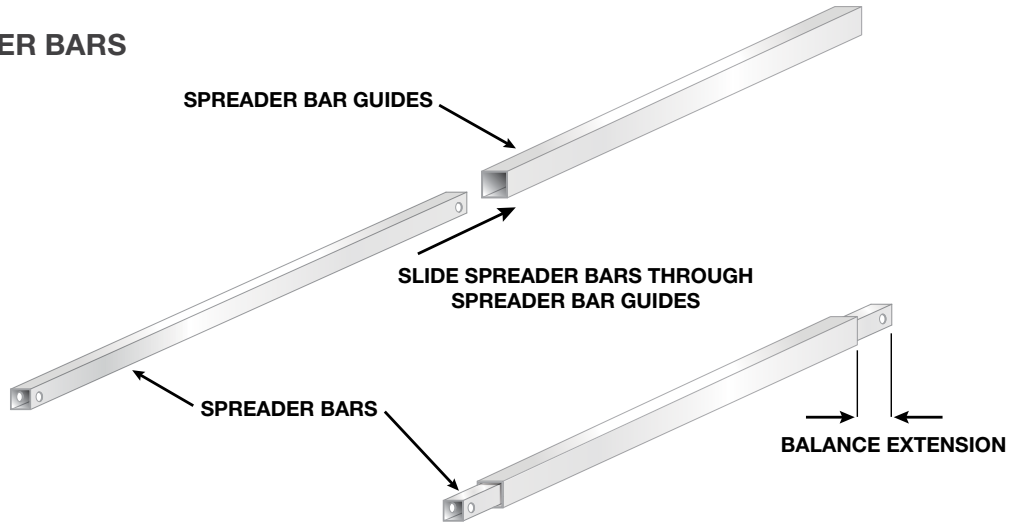


Note: When you arrange for off-loading with your crane company, be sure to notify them of the exterior dimensions (L x W x H) and weight of building.

SPREADER BAR INSTRUCTIONS

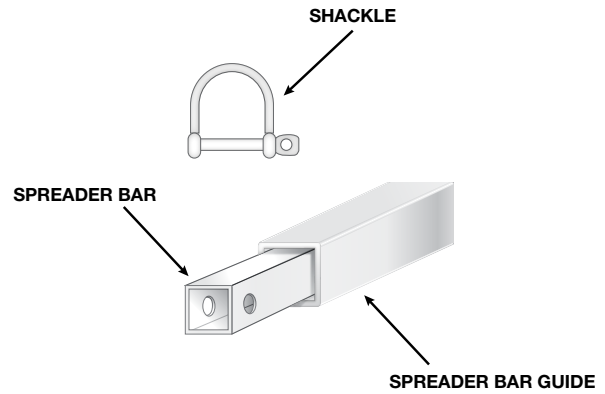
Step 1:

INSERT SPREADER BARS



Step 2:

ATTACH SHACKLES



SUGGESTED END CONDITION
AND LIFTING ATTACHMENT



LOCATION OF BUILDING KEY

The key for your building is with the pack list held by the driver delivering your building. Ask the driver for your paperwork and key upon delivery.

ELECTRICAL INSTALLATION

If your building has any electrical components (lights, fans, etc.), it will be supplied with a UL-Listed Load Center (NEMA 3R) with appropriate circuit breakers.

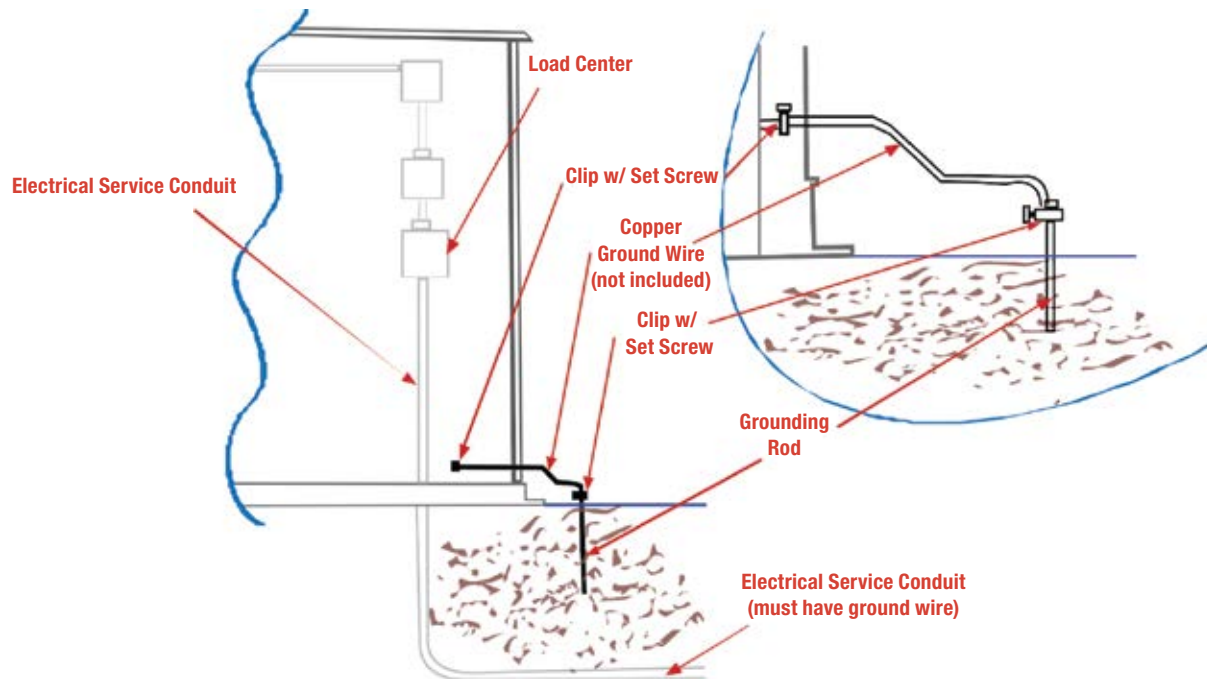
In addition, each building is supplied with a static electricity grounding kit. The kit consists of the following:

- Building Ground Lug (attached to base)
- Grounding Electrode with Lug (8 or 10 feet)
- Acorn Clamp



WARNING:

A COMPETENT, LICENSED ELECTRICIAN SHOULD CONDUCT ALL WIRING OF THE BUILDING. THE WIRING SHALL CONFORM TO THE LATEST EDITION OF NFPA 70 NATIONAL ELECTRICAL CODE, IN ADDITION TO ALL LOCAL CODES.



NOTE: Your grounding rod is attached to the steel grate flooring during shipment of your building.

- Tap grounding rod into the earth sufficiently, and then connect it to the building with a 10 gauge copper conductor wire.
- Grounding rod and cable must be installed as shown or in accordance with the requirements of your local authority. Proper installation is your responsibility! Improper installation may allow static build-up and be very dangerous!
- Use same wire; ground your containers individually to the interior lugs located in the building. Use gator clip to attach the wire to the containers.
- Each container should be connected via conductor wire to a grounding lug.

ELECTRICAL LOAD CENTER

Our standard load center is a UL-Listed, Single Phase, 3-Wire, 120/240 V 100 A Load Center (NEMA 30) with circuit breaker. Rainproof and sleet/ice-resistant enclosures are intended for use outdoors. Enclosed equipment is protected against rain and meets the requirements of UL (Underwriters Laboratories) Publication No. UL 508, applying to “rainproof enclosures”. (Control panel may be upgraded depending on load of accessory combinations.)

Building will arrive with all accessories pre-wired to main control panel. Inspect these connections and re-tighten as needed from any loosening that may have occurred during transportation. Customer is responsible for the correct electrical service to your building. Call a licensed electrician for this step.

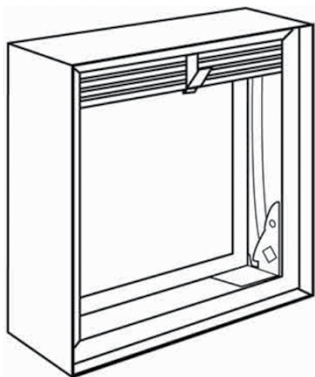
Your building will arrive with the exact number of circuit breakers for the accessories that you ordered. If there are additional slots, you may—at your discretion—install additional circuit breakers.



FIRE DAMPER SET UP

Model: DFD 1½ and 3 Hour Curtain Fire Dampers · Vertical and Horizontal Mount

INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS



D,DFD,SSFD,& KFD models are intended for installation in accordance with fire damper requirements established by:

National Fire Protection Association

NFPA Standard 80,90A,& 101

IBC International Building Code CSFM California State Fire Marshal Fire Damper Listing (#3225-0981:102)

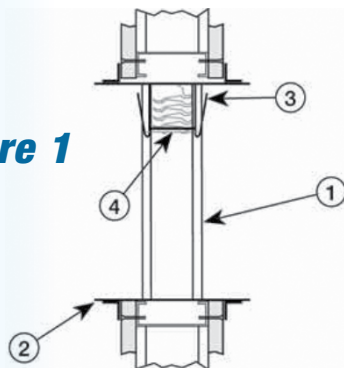
New York City (BSA/MEA listing #260-91-M)

"UL CLASSIFIED (see complete marking on product)"

"UL CLASSIFIED to Canadian safety standards (see complete marking on product)"

UL Standard 555 (Listing #R13317)

Figure 1



**Side cross-section view of
Curtain Fire Damper in wall**

Item#	Description
1	Damper
2	Sleeve
3	Metal strap
4	Fusible link

DAMPER INFORMATION:

Fire damper is spring-loaded to ensure proper closure upon exposure of excessive heat. The link melting point is rated at 165°F. Do not have any obstacles in the closing track of the louver curtains which might prevent closing of the louvers.

Check link yearly for any corrosion due to chemicals stored in path of air flow. Replace link, if needed.

Replacing fusible link on a curtain fire damper:

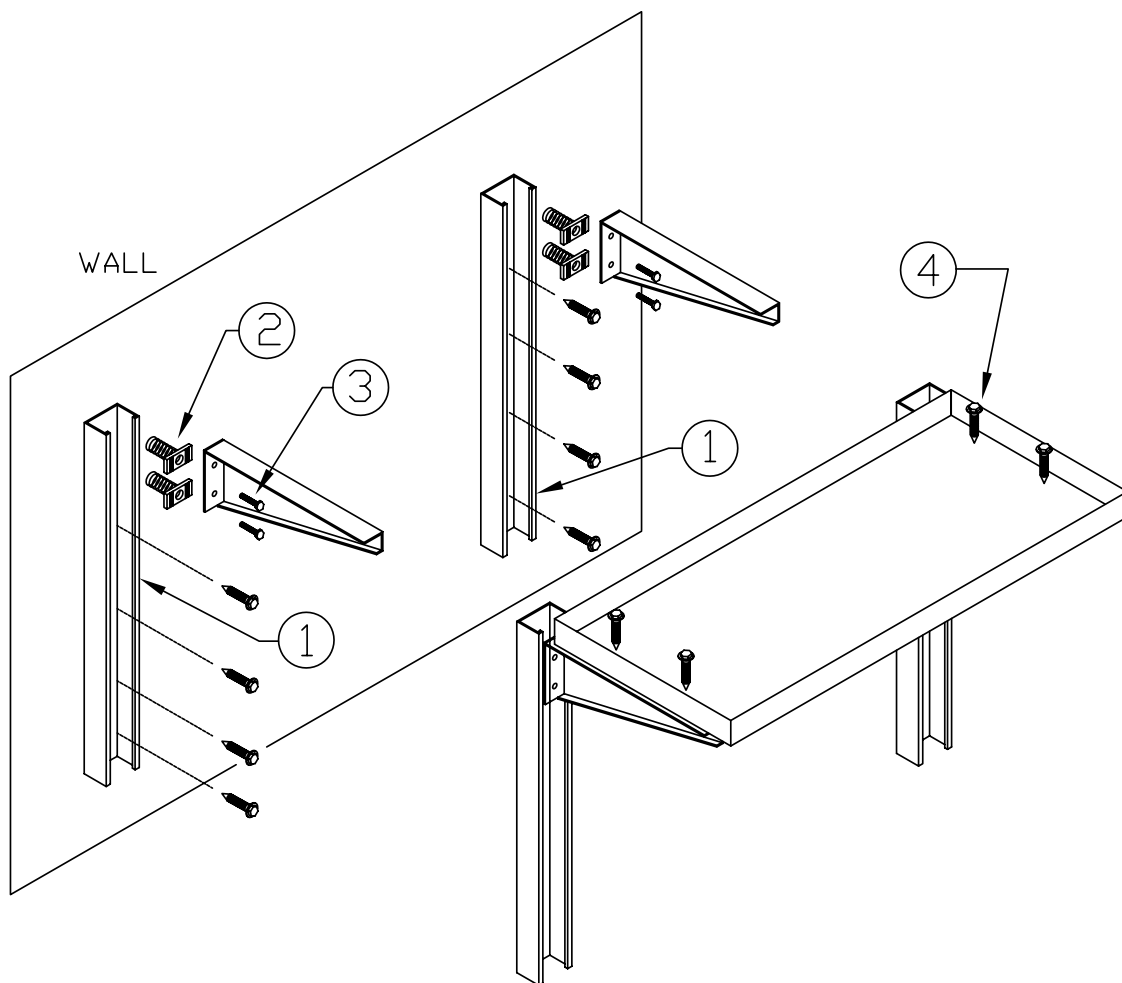
- 1) Bend metal straps so they are straight (Fig. 1, item 3). Remove separated fusible link (Fig. 1,item 4).
- 2) Push bottom of curtain blades to the top of the damper such that the blades fold up like an accordion. *(If the damper blades have coil springs, use additional care when pushing the blades to the top of the damper as the springs are strong and may cause injury if blades are released.)*
- 3) Slide the replacement fusible link onto the metal straps.
- 4) Bend the metal straps up to hold the fusible link in place.

These instructions apply to 1½ and 3 hour rated fire dampers mounted (blades must be horizontal) in masonry, block or stud walls and concrete floors. Specific requirements in these instructions are mandatory. These instructions meet the requirements of UL 555. Installation shall comply with the requirements of NFPA 90A Standard for the Installation of Air Conditioning and Ventilating Systems. UL listing R13317, California State Fire Marshal listings 3225-0981:102 & 3225-0981:107, and New York City BSA/MEA listing 260-91-M apply to these dampers.

Note: Fire dampers are manufactured and labeled for either vertical or horizontal installation. The dampers must be installed in accordance with the labeling.

SHELVING INSTRUCTIONS

1. Locate unistrut on building interior wall.
2. Install twist nuts 2.75" center to center. Install two twist nuts per shelf bracket. Twist nuts have the spring attached.
3. Fasten shelf bracket to unistrut and twist nut with bolts provided. Use two bolts per shelf bracket.
4. Place shelving onto shelf brackets. Secure with Tek screws (provided). Install four Tek screws per shelf bracket. (Tek screws have rubber washer attached.)



© U.S. Chemical Storage

Dry Chemical Fire Suppression System

Learn more about dry chemical fire suppression systems on our website:

www.uschemicalstorage.com/fire-suppression/



NOTE:

YOUR FIRE SUPPRESSION SYSTEM IS SHIPPED UNARMED! CONTACT A CERTIFIED FIRE EQUIPMENT DISTRIBUTOR TO ARM YOUR SYSTEM PROPERLY.



Kidde Headquarters

1394 South Third Street
Mebane, NC 27302

Customer Service: **1-800-872-6527**



Pyro-Chem Headquarters

One Stanton Street
Mariette, WI 54143

Customer Service: **1-800-526-1079**



Visit Ansul.com to locate contact information for your region.



The dry chemical fire suppression system is a UL-listed, pre-engineered system rated for Class A, B and C fires with fusible link detection for automatic actuation. The automatic fusible link detectors are located on the ceiling of your building. Automatic actuation is achieved when the interior temperature reaches the desired temperature.

The dry chemical agent cylinder and releasing device are housed in an exterior weatherproof and tamper-proof enclosure located on the exterior of the building. Manual activation of the system can be accomplished by opening the small red enclosure marked “Manual Release for Fire System”, located on the side of the cylinder enclosure, and removing the pin and pulling the handle.

An exterior, audible weatherproof alarm will sound when the fire suppression system is activated.



Air Inlet Vents

Air inlet vents are provided with an exterior louver and interior screen. If your building is a fire-rated building, all vent openings are also equipped with a UL-listed fire damper rated for 3 hours.



Light Fixture(s) - Explosion-Proof

Incandescent light fixtures are UL-listed, Explosion-Proof and are rated for Class I Division I, Groups C & D hazardous locations. They are suitable for both interior and exterior locations. Fixtures are constructed with a sealed heavy-duty housing, glass globe and a protective metal guard. An exterior UL-listed light switch activates the interior light(s). If used as an exterior light, an exterior photoelectric cell is installed to automatically control the fixture.



Light Fixture(s) - Non-Explosion-Proof

Incandescent light fixture(s) are UL-listed and suitable for non-hazardous locations. Fixtures are suitable for both interior and exterior locations. Die-cast aluminum construction with a heat-resistant glass globe protected by a metal guard. An exterior UL-listed light switch activates the interior light(s). If used as an exterior light, an exterior photoelectric cell is installed to automatically control the fixture. An exterior manual switch is an option and can be provided.



Light and/or Fan Switch(es) - Explosion-Proof

The light switch is UL-listed and is rated for Class I, Division I, Groups C & D hazardous locations. Switch is suitable for both indoor and outdoor locations. The standard location of the switch is on the right hand end wall unless otherwise specified. To turn the light(s) on, "PUSH UP" on the toggle lever. To turn the light(s) off, "PUSH DOWN" on the toggle lever. This switch will control all light(s) unless otherwise supplied.



Light and/or Fan Switch(es) - Non-Explosion-Proof

The light switch is UL-listed and suitable for general purpose locations. The standard location of the switch is on the right hand end wall unless otherwise specified. To turn the light(s) on, "PUSH UP" on the toggle lever. To turn the light(s) off, "PUSH DOWN" on the toggle lever. This switch will control all light(s) unless otherwise supplied.



Receptacle - Explosion-Proof Single

The receptacle is UL-listed and rated for Class I, Division I, Groups C & D hazardous locations. Receptacle accommodates one electrical appliance. Connection not included.



Air Conditioning

Explosion-proof, UL-Listed and rated for Class I, Division 2, Group A, B, C and D. Interior Temperature Controller with user-adjustable temperature setting. Totally enclosed fan motor with stainless steel shaft to resist corrosion. A hermetically sealed overload and an exterior switch to prevent arcing.



Heater(s) - Convection, Explosion-Proof

Heater(s) are UL-Listed and rated for Class I, Division 2, Groups C & D hazardous locations. User-adjustable thermostat with temperature settings from 50° to 90° F. The heater's NEC Operating Temperature Code is T-2A and is rated for hazardous atmospheres with auto-ignition temperatures above 536° F (280° C).



CAUTION:

DO NOT STORE CONTAINERS OR LOCATE SHELVING ABOVE CONVECTION HEATERS!



Heater(s) - Fan Forced, Explosion-Proof

Heater(s) are UL-Listed and rated for Class I, Division 1 and 2, Groups C & D, Class TT, Division 1 and 2, Groups E, F and G, hazardous locations. User-adjustable thermostat with temperature settings from 50° to 90° F. The heater's NEC Operating Temperature Code is T-3B and is rated for hazardous atmospheres with auto-ignition temperatures above 329° F (165° C).



Portable Eyewash Station

High-impact polyethylene construction provides 15 minutes of continuous flow. Provides instant relief with no plumbing required. Easy installation on vertical or horizontal surfaces. Meets ANST Standard Z-358.1-1998.



Combination Shower/Eyewash Station

Combines drench shower and eyewash fountain with 2 heads into one convenient, multipurpose unit. Unit is furnished with galvanized intermediate pipe and fittings, floor mounting flange, and high-impact plastic bowl. The eyewash waste drain must be supplied by outside vendor and comply with local codes. Meets ANST Standard Z-358.1-1998. Connection by outside vendor.



Shelving

Shelving can be formed with a spill containment lip to prevent accidental spills.



Ramps

A full line of ramps (light duty and heavy duty) is offered for each model manufactured. These ramps can be fitted with safety rails or raised edges, and provide a non-slip surface.



Partition Walls

Separation walls are provided for the purpose of segregating non-compatible materials. These walls are solid partitions from ceiling to the floor of the secondary containment. Open-mesh walls can be provided for the sake of separating inventory, as well as security. Entry doors can be provided in these walls if needed.



Sensors & Detectors

Gas sensors and smoke detectors are offered in both explosion-proof and non explosion-proof classifications for any type of material specified. Each can be equipped with visual and audible alarms, as well as provide contacts for any local alarms.

Other Accessories

Should your building have other accessories for which you need information, or should you need to add accessories, please contact our customer service department:

800.233.1480

or visit our website at: www.uschemicalstorage.com

U.S. Chemical Storage offers all of the above accessories and more!

Ask us if you have a specific accessory need and we will work with you to find a solution!

SUMMARY OF IMPORTANT WARNINGS & CAUTIONS

DRY CHEMICAL FIRE SUPPRESSION SYSTEM



CAUTION:

THE DRY CHEMICAL SYSTEM MUST BE ARMED BY INSERTING THE NITROGEN CARTRIDGE INTO THE RELEASE MECHANISM. YOUR LOCAL AUTHORIZED FIRE EXTINGUISHER COMPANY MUST PERFORM THIS. DO NOT INSTALL IN TEMPERATURES MORE THAN 100°F (38°C) WITH 165°F FUSIBLE LINK AND 150°F (66°C) WITH 212°F FUSIBLE LINK.

MECHANICAL VENTILATION



CAUTION:

DO NOT INSTALL IN AREAS WHERE VAPORS OR GASES HAVING AN IGNITION TEMPERATURE LESS THAN 165 DEGREES (329 DEGREES FAHRENHEIT) ARE PRESENT.

ELECTRICAL INSTALLATION



CAUTION:

WIRING (INCLUDING GROUNDING) MUST BE CONDUCTED BY A COMPETENT LICENSED ELECTRICIAN. THE WIRING SHALL CONFORM TO THE CURRENT EDITION OF THE NEC; NATIONAL ELECTRICAL CODE IN ADDITION TO ALL LOCAL CODES.

ALARM



CAUTION:

THESE DEVICES WILL NOT WORK WITHOUT POWER. AUDIBLE SIGNAL MAY NOT BE HEARD. THE LOUDNESS OF THE AUDIBLE SIGNALING DEVICES MUST MEET OR EXCEED CURRENT UNDERWRITERS LABORATORIES' STANDARDS. AN ALERT PERSON MAY NOT HEAR THE DEVICES IF THE SIGNAL IS PLACED IN AN AREA WHICH IS ISOLATED BY A CLOSED DOOR OR IF SOUND IS MASKED BY TRAFFIC, AIR CONDITIONERS, MACHINERY OR MUSICAL APPLIANCES. THE AUDIBLE SIGNAL MAY NOT BE HEARD BY PERSONS WHO ARE HEARING IMPAIRED.

INTERIOR LIGHTS



CAUTION:

DO NOT INSTALL IN AREAS WHERE VAPORS OR GASES HAVING AN IGNITION TEMPERATURE LESS THAN 320°F (160°C) ARE PRESENT. TEMPERATURE OPERATING CODE - T3C. DO NOT OPERATE LIGHTING FIXTURES ON ANY UNGROUNDED SYSTEM.

AIR CONDITIONER



CAUTION:

DO NOT INSTALL IN AREAS WHERE VAPORS OR GASES HAVING AN IGNITION TEMPERATURE LESS THAN 329°F (165°C) ARE PRESENT. CODE - T3B.

EXTERIOR LIGHTS



CAUTION:

DO NOT INSTALL IN AREAS WHERE VAPORS OR GASES HAVING AN IGNITION TEMPERATURE LESS THAN 500°F (260°C) ARE PRESENT. TEMPERATURE OPERATING CODE - T2B. DO NOT OPERATE LIGHTING FIXTURES ON ANY UNGROUNDED SYSTEM.

HEATER & THERMOSTAT



CAUTION:

DO NOT INSTALL IN AREAS WHERE VAPORS OR GASES HAVING AN IGNITION TEMPERATURE LESS THAN 536°F (280°C) ARE PRESENT. CODE - T2A.

DOOR CLOSER



CAUTION:

DO NOT DISASSEMBLE. REPAIRS MUST BE MADE ONLY BY EXPERIENCED SERVICE PERSONNEL. IMPROPER SETTING OF CLOSING AND/OR LATCHING SPEEDS CAN RESULT IN ACCIDENTS.

U.S. Chemical Storage provides a complete range of OEM and after-market parts that allow our clients to manage maintenance and repairs, as well as enhancing their hazardous material storage buildings.

We will attempt to help our clients to replace any parts needed due to normal wear and tear and/or extreme environment. We also provide the ability to add new components if the use and scope of a building has been modified in any way. Our line of accessories can be viewed at our website page:

<http://www.uschemicalstorage.com/parts-accessories-overview/>

We can also assist you with redundancy accessories to allow your building to always have the components needed to maintain the storage criteria required for your situation. Call our Customer Service Department to learn more about this.

TECHNICAL SUPPORT

If you have questions or comments about your building, please call our Customer Service Department at:

1.800.233.1480



We can provide additional copies of this manual, or you can download a pdf version at:

www.uschemicalstorage.com/company

PREVENTATIVE MAINTENANCE SCHEDULE

INSPECTION FREQUENCY

Maintenance Item	Weekly	Monthly	Semi-Annual	Yearly	Recommended Action
Check Sump • Spills or leaks of chemicals	X				Clean spill immediately – Follow OSHA regulations.
Check Exterior Paint* • Peeling or scratches (rust)		X			Prime/Paint as required.*
Check Interior Paint • Peeling or scratches (rust)		X			Prime/Paint as required.
Paint Entire Building • Rust showing up on walls				X	5 Years as required. Purchaser must maintain exterior paint to keep building from developing rust.
Check Floor Grating • Check for no more than 1/4" deflection up to 100 PSF • Loose clamps			X		Remove grating and straighten. Tighten clamps.
Door Locks/Latches • Check closure rate • Door seals (gaskets)		X			Repair/replace as required.
Door Hinges • Rust or wear signs			X		Clean and lubricate hinges with light oil or silicon spray.
Check Signage • Proper NFPA rating	X				Replace as required.
Hold-down Lugs • Bolts tight (angles secure)		X			Check for proper anchorage. Tighten or grout in.
Grounding System • Clamp tight • Cable is not damaged • Connection to building grounding rod	X				Repair immediately if damaged.
Fusible Links • Solder joints • Cable is not damaged and free		X	X		Repair immediately if damaged. (6 months) - Replace.
Fire Damper • Check fusible link • Damper movement in track (closing)			X		Replace link if needed. Clean and lubricate track.
Electrical System • Components operate • Clean filters in AC (if applicable)		X			Repair immediately if damaged. Clean filters (wash).
Ventilation System • Vent cover opens freely • No obstructions to fan		X			Operate and repair as required. Oil vent louvers as needed. Keep fan clear of obstacles.
Sump Liner • Cuts or tears		X			Replace liner.
Dry Chem System • Tank and solenoid • Nozzle caps are in place • Service tech for semi-annual inspection		X	X	X	See manual requirements. DETAILED MAINTENANCE INSTRUCTIONS LISTED IN MANUAL - Table 5-3
Dehumidifier System • Check desiccant bed level (6 months) • Check filters (monthly)		X	X		See page 15 of the Innovative Air Technologies manual • Keep desiccant bed full • Clean filters or replace
AC Unit or Heat Pump • Check filter • Keep exterior coils clean • Keep drain pan clear		X			See maintenance sheet for unit • Clean filter or replace as needed • Soft brush or wash coils

**Painted Exterior: Buyer/End-User must maintain exterior paint to maintain warranty. Failure to properly maintain the exterior paint will void the structural warranty.*

TERMS & CONDITIONS

Note: As it pertains to these Terms and Conditions, the designation of “purchaser” is understood to be synonymous with the designations of “buyer/end user”, “customer”, “client” and “receiver of goods”.

Legal identification is required from all buyer/end users. Possession of our literature, quotes, sample drawings or other such documentation does not constitute the right to purchase from U.S. Chemical Storage. All prices are subject to change without requirement of prior notice.

Purchase Orders/Contracts: These are not accepted until U.S. Chemical Storage verifies acceptance in the State of North Carolina, County of Wilkes, City of Wilkesboro. This writing of contracts will be construed under and governed by the laws of the State of North Carolina.

Quotations: Prices on large quantities or custom projects not found in our literature are available. Contact a U.S. Chemical Storage Sales Engineer for assistance.

Sales Tax: U.S. Chemical Storage is required to charge state and local tax on items sold to buyer/end users in North Carolina for whom sales tax exemption certification has not been provided. When ordering, it is your responsibility to indicate any items which are tax exempt. U.S. Chemical Storage does not collect tax in any other states on behalf of you the customer, and it is buyer/end user’s responsibility to remit the appropriate sales tax to that state. U.S. Chemical storage will not be responsible for customer’s sales tax or municipality tax.

Payment Terms: Pending Credit Approval, 50% deposit of the purchase price (excluding freight) is required at placement of order. The remaining Balance is due NET 30 from shipment of order. Freight Charges and Sales Tax will be added to the final invoice. A Penalty of 3.5% percent will per month will be assessed on any past due balances.

Credit Balance: buyer/end user agrees that any credit balances issued will be applied within one year of issuance. If not applied or requested within one year, credit balance will be subject to cancellation and U.S. Chemical Storage will have no further liability.

Freight/Delivery Policy: Freight is prepaid and added to buyer/end user’s invoice on all orders. (FOB Origin). Shipments are made at the sole cost of the purchaser. Quoted shipping dates are approximate and are based on prompt receipt of all information and approvals from the buyer/end user to allow release of the product for production. U.S. Chemical Storage reserves the right to ship prior to quoted ship date. Unless otherwise stated in writing and approved by U.S. Chemical Storage, delivery is to buyer/end user’s location within the United States and using route of U.S. Chemical Storage choice. Any extra charge incurred for additional services, such as buyer/end user’s carrier(s) or handling at the destination, will be paid by buyer/end user. Title and risk of loss pass to buyer/end user upon pick-up by the carrier. buyer/end user may arrange their own freight and U.S. Chemical Storage will load purchased building(s) onto buyer/end user’s delivery vehicle if arranged and confirmed in writing prior to pick-up.

Ownership of the building(s) transfers to the Buyer/end user upon leaving the manufacturing facility.

Where the buyer/end user makes no prior arrangements for transportation, U.S. Chemical Storage may provide, as a service to the buyer/end user, transportation assistance. Such service may involve determining the method of transport, the routing of shipment, selection of a carrier, and/or scheduling of pick-up and drop-off dates. U.S. Chemical Storage reserves the right to group shipments of multiple orders, and in such event, each order will be invoiced the prorated amount of freight costs based on the most direct routing of each single order. U.S. Chemical Storage's assistance

with transportation arrangements as noted above is not to be construed as a guarantee of delivery, and U.S. Chemical Storage shall not be liable for late deliveries or scheduling delays. Any costs associated with delay, including costs which result from demurrage, idle time of riggers or rented handling equipment, or penalties for deadlines, are the sole obligation of the buyer/end user. It is the Buyer/end user's responsibility to off-load their building(s).

Delivery vehicle must have easy access to the building site. Any additional time/work/procedures involved in getting the building to the delivery site, including any layover time charges from delivery company, will be the sole responsibility of the buyer/end user. Also note that the warranty, as stated therein, begins from the point of shipment to the buyer/end user.

Connections: If you have purchased a fire suppression system, customer is required to find an appropriate fire suppression person in the end user's state for arming of the system. US Chemical will not be responsible for arming of the customer's fire suppression system.

US Chemical storage tests all electrical components of the product and ensures all components work and meet appropriate codes. US Chemical does not terminate the final electrical hook up in any state upon delivery. It will be the customer's responsibility to contact a local electrical installer to energize the building.

Claims: Any product/building damaged in transit must be noted on the delivery Bill of Lading. Also, an inspection report from the delivery company must be made immediately. Retain all packaging material included with building. Immediately contact U.S. Chemical Storage at 1-800-233-1480 to report any damages.

Shipping Hazardous Products: Products considered hazardous for shipping will require special packaging, handling and may incur additional charges. buyer/end user must consult with Sales Engineer from U.S. Chemical Storage if they feel this applies and address this in advance of delivery. Call 1-800-233-1480.

Purchases Requiring Installation: In the case of U.S. Chemical Storage being commissioned to install building(s) at Buyer/end user's site, documentation is required that clearly defines the following:

- Pad Specifications
- Specific requirements at the installation site
- Buyer/end user's responsibilities at installation and U.S. Chemical Storage responsibilities
- Corrective action procedures if responsibilities come into conflict during installation

The above requirements must be defined in writing for each installation project that U.S. Chemical Storage agrees to perform. See your Sales Engineer to determine these parameters in advance and for sign-off before purchase order is submitted.

Local Safety Standards and Regulations: Products sold by U.S. Chemical Storage and its affiliates are designed to meet states' U.S. Safety Standard and Regulations. Because local standards and regulations vary significantly, U.S. Chemical Storage cannot guarantee that our products meet all applicable requirements in each locality. The buyer/end user assumes responsibility for compliance with such safety standards and regulations in these localities in which the products will be shipped, sold and used. Before purchase and use of products, please review the product application and national and local codes and regulations. buyer/end user assumes responsibility and compliance for such regulations as they relate to the product and installation. U.S. Chemical Storage or its affiliates makes no warranties to those defined as consumers in the Magnuson-Moss Warranty-Federal Trade Commission Improvement Act.

Trademarks and Copyrights: buyer/end user acknowledges that it has no right, title or interest in the trademarks or copyrights in the products purchased. buyer/end user also covenants that it will take no action to register or otherwise interfere with such rights.

Governing Law; Limitations: These terms and conditions shall be construed, interpreted and performed exclusively according to the laws, excluding conflict of law rules, of the State of North Carolina, United States of America. Any legal action with respect to any business transaction between U.S. Chemical Storage and its buyer/end users must commence within one year after the cause of action occurs. The provisions of the Uniform Commercial Code as adopted by the State of North Carolina, and NOT the United Nations Convention of Contracts for the International Sale of Goods, shall apply.

Limitation of Liability: buyer/end user shall hold U.S. Chemical Storage harmless against any and all loss, costs, damage, expense, claims and demands, in contract, in tort, or otherwise in any way arising out of or resulting from the use of the products purchased. This includes any handling, storing or transporting of Hazardous Materials of any kind as defined by the Code of Federal Regulations 40CFR, 49CFR and 29CFR. This includes any cost in investigating, litigating or settling any claims or demands such as bodily injury, sickness, disease or death to any person and also the loss of use or damage to any property. Permits & Licenses: US Chemical Storage is not responsible for researching, investigating, or obtaining any licenses or permits for the product, its installation, or its use. It is the customer's responsibility to obtain appropriate permits and licenses and meet all local compliance requirements.

Reselling: In the event the buyer/end user resells, distributes or in any way relinquishes control of the products purchased to a third party, the buyer/end user shall require from this third party that compliance with requirements is maintained. U.S. Chemical Storage assumes no responsibility for products resold to third parties.

Agreement Modifications: Any acceptance of the offer to sell contained herein is limited to acceptance of the express terms of the offer contained in the final quotation. Any proposal for additional or different terms or any attempt by the buyer/end user to vary, in any degree, from the terms in the Buyer/end user's acceptance of quote by purchase order shall not operate as a rejection of the offer to sell. Any additional terms or modifications required by the buyer/end user must be made in writing and approved by U.S. Chemical Storage prior to production of building(s). Once accepted by purchase order, the final quotation may not be modified by buyer/end user.

Cancellation: U.S. Chemical Storage maintains the right to cancel any quotation or purchase order at any time by written notice. U.S. Chemical Storage may cancel the purchase order agreement for any material breach of the contract by the buyer/end user, if the buyer/end user becomes insolvent, if the buyer/end user files or has filed for bankruptcy, or if a receiver appointed by the buyer/end user prior to delivery refuses delivery which constitutes a breach of the agreement. Cancellation of a confirmed purchase order by the buyer/end user constitutes a breach of contract and buyer/end user shall be liable for all costs incurred by U.S. Chemical Storage. These include—but are not limited to—any partial completion costs incurred by U.S. Chemical Storage of a building that is already in production, engineering fees, third party calculations, state and local approvals, overhead and profit. These costs are compiled at the discretion of U.S. Chemical Storage and will be submitted to Buyer/ End User for payment upon receipt. Cancellation notice must be made in writing from buyer/end user to U.S. Chemical Storage prior to 30 days before the date the building is schedule to ship. Upon receipt of a cancellation notice, all work on the building will be stopped as quickly as reasonably possible. buyer/end user agrees to pay U.S. Chemical Storage the contract price for all completed work, determined by U.S. Chemical Storage. U.S. Chemical Storage full costs, including Q & A, plus an additional 20% will be added to this price should incomplete purchase be cancelled less than 30 days prior to ship date.

Dispute Resolution: Actions by U.S. Chemical Storage or any of its affiliates for nonpayment by the buyer/end user of the purchase price of product(s)/building(s) sold by U.S. Chemical Storage, or for redress of other breaches by the buyer/end user of these Terms and Conditions, may be brought by U.S. Chemical Storage or its affiliates at its option, before a court in the State of North Carolina, Wilkes County, City of Wilkesboro. Our contract supersedes any other document from purchasing and is the final agreement. Until a unit is paid in full, U.S. Chemical Storage retains a financial position on the unit and reserves the right to file UCC in the appropriate jurisdiction.

Price: The price quotations submitted to the buyer/end user by U.S. Chemical Storage are valid for 30 days from the date on the quote unless withdrawn by U.S. Chemical Storage prior to acceptance from the buyer/end user. If product shipment extends beyond 90 days from the date of the order, the prices will be adjusted to those in effect at the time of shipment. Prices quoted do not include any federal, state or local property, license, privilege, sales, use, excise, gross receipts, value added or other like taxes which may now or hereafter be applicable to, measured by or imposed upon the sales of the products purchased, their use, or any serviced performed in connection therewith. Such taxes are the sole obligation of the buyer/end user and the buyer/end user agrees to pay or reimburse U.S. Chemical Storage for any such taxes that U.S. Chemical Storage or its contractors/suppliers may be required to pay.

Storage: It is the Buyer/end user's responsibility to take delivery of their building within ten (10) working days of notification of completion of their order or sooner. If delivery cannot be made within the said ten days the buyer/end user will incur a storage fee that will accumulate on a weekly basis at \$2,500.00 per week unless prior arrangements for delivery date have been made and agreed upon by both parties.

Force Majeure: U.S. Chemical Storage, or any of its affiliates, shall not be liable for any delay in or impairment of performance resulting in whole or in part from acts of God, severe weather conditions, labor disruptions, governmental decrees or controls, insurrections, war risks, shortages, inability to procure or ship product or obtain permits and licenses, supplies or raw materials, or any other circumstances or causes beyond the control of U.S. Chemical Storage, any of its affiliates in the conduct of its business.

Security Interest: On any sales on open account, the buyer/end user hereby grants to U.S. Chemical Storage, or any of its affiliates, a priority lien, purchase money security interest and/or chattel mortgage in the products and any accounts receivable or cash from resale thereof until full payment is made to U.S. Chemical Storage. buyer/end user agrees to file any financing statements or other appropriate document with its governmental authorities to assure the validity, priority, and enforceability of the lien. buyer/end user agrees to inform U.S. Chemical Storage immediately if it intends to use any import financing or has or will be granting a lien or security interest on its inventory to any third party.

Assignment: buyer/end user shall not assign any order or any interest therein without the written consent of U.S. Chemical Storage. Any actual or attempted assignment without U.S. Chemical Storage's prior written consent shall entitle U.S. Chemical Storage to cancel such order upon notice to buyer/end user without liability to U.S. Chemical Storage.

Modification of Terms: U.S. Chemical Storage acceptance of any order is subject to Buyer/end user's assent to all of the terms and conditions of access and sale as set forth herein. Buyer/end user's assent to these terms and conditions shall be presumed by Buyer/end user's acceptance of all or any part of the goods or services ordered. All other contrary terms and conditions are expressly rejected, and no addition or modification of terms and conditions shall be binding upon U.S. Chemical Storage unless agreed to by U.S. Chemical Storage in writing.

Independent Contractors: U.S. Chemical Storage and buyer/end user are independent contractors. buyer/end user is not authorized to—and shall not make—any representations on behalf of—and/or which are binding upon—U.S. Chemical Storage.

Separability: If any provision of these Terms and Conditions of Sale shall be deemed illegal or unenforceable, such a situation shall not affect the validity and enforceability of any other legal provisions hereof which together shall then be construed as if such illegal and unenforceable provision or provisions had not been inserted herein, unless such a situation shall destroy the underlying business purpose of these Terms and Conditions.

Foundation: U.S. Chemical Storage does not design, build or otherwise fabricate building foundation(s). Any claim for improper size of unit with respect to the building foundation against U.S. Chemical Storage will not be accepted.

U.S. Chemical Storage recommends general foundation plans for reference only. It is the Buyer/end user's responsibility to contract with a professional to ensure that the foundation required will support the prefabricated units as purchased and that it meets their local and state building codes.

Inspection: Any claim for defective materials, imperfect manufacture, shortage or any other claim against U.S. Chemical Storage with respect to the condition of the products purchased must be presented by the buyer/end user to U.S. Chemical Storage within ten days after the Buyer/end user's receipt of the goods. Freight damages must be reported immediately and noted in writing on the Bill of Lading.

Complete Agreement: The terms and conditions in U.S. Chemical Storage's website Terms of Access, Terms of Sale, Quotations, Invoices and Sales Terms and Conditions are incorporated herein by reference and constitute the entire and exclusive agreement between buyer/end user and U.S. Chemical Storage and its affiliates.

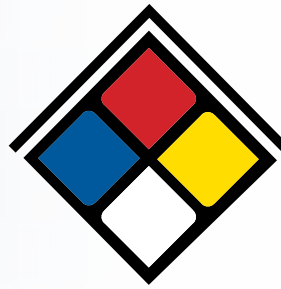
U.S. Chemical Storage buildings are warranted to you as the original buyer/end user for (1) one year from the date of shipment against defects in workmanship and material, with the exception of structural integrity, which is warranted against defects in workmanship and material for a period of 15 years from the date of shipment. This warranty is subject to proper maintenance of said building by buyer/end user. U.S. Chemical Storage will replace or repair, at their option, any product which is in the opinion of U.S. Chemical Storage to be defective and has not been tampered with, modified, subjected to a harsh environment, an accident/misuse or not communicated to U.S. Chemical Storage at the time of the order, or is not maintained, inspected and tested according with the preventative maintenance schedule (*see Maintenance Manual for this schedule*).

This warranty is in effect from the point of delivery of product from U.S. Chemical Storage to buyer/end user. At the option of U.S. Chemical Storage, a product shall be replaced or repaired at the customer's site using factory personnel or outside contractors under U.S. Chemical Storage's direction or returned to the factory for repair at the sole discretion of US Chemical. Items that are not manufactured by and purchased by U.S. Chemical Storage are warranted against defects from the manufacturer's fabrication, process or parts according to the original manufacturer's warranty for such items from the date of shipment. Such items include, but are not limited to; building interior and exterior finish, switches, lights, gas sensors, electrical boxes, air conditioners, heaters, fan motors, dry chemical fire suppression equipment, doors, door locks and door closures. Such items can only be returned with prior approval of U.S. Chemical Storage. The original manufacturer or agent thereof, will make evaluation of each reported defective part and issue final judgment regarding warranty. Standard interior finishes and exterior finishes are compatible with splash and spills only.

Seller's liability under this contract will be limited to repair of the defects as set forth in the paragraph, or-if unable to be repaired-replacement of goods. Any warranty expressed is only intended to cover parts. Any labor charges incurred are at the expense of the customer or at the discretion of U.S. Chemical Storage's factory representatives. It is expressly agreed by the parties herein that this shall be the Buyer/End User's sole and exclusive remedy against the Seller. Any disputes regarding warranty and building purchases are to be handled in the state of North Carolina, County of Wilkes, City of Wilkesboro.

There are no other warranties, expressed or implied, including but not limited to warranties of merchantability or fitness for a particular purpose. US Chemical's liability under this warranty is limited to the repair of defects as set forth above.

In no event shall US Chemical Storage be liable for any loss of profits or any incidental or consequential damages for any reason, and the right to recover incident or consequential damages is expressly waived.



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