

MILLER

Your System For Building Success

RELOCATABLE STORAGE



MAXIMIZE SELF-STORAGE USAGE...

Miller Building Systems Relocatables can maximize property usage for your self-storage business, increasing cash flow with seven year depreciation. Miller Relocatables are available in a variety of sizes and colors. The units do not require foundations, and can be placed on stone or asphalt for immediate use. Miller relocatable customers include U-Haul, Public Storage, and Devon Self Storage.

- Standing seam roof design
- Sizes up to 10'x50'
- Peak or shed roof design
- Galvalume Plus® partitions
- Delivered complete or knocked down
- Plywood or steel floors
- Dummy Doors

MILLER

YOUR SYSTEM FOR BUILDING SUCCESS

800-323-6464

MillerBldgs.com

MILLER BUILDINGS, INC.

GENERAL SPECIFICATIONS

Relocatable Self-Storage Buildings

DESIGN CRITERIA: M.B.M.A. and A.I.S.I.

ROOF LOADS: Roof loads from 30 to 110 lbs. ground snow load (Snow Load Factor .7) and wind loads from 70 to 150 mph

ROOF PITCH: 1/2" in 12", up to 1" in 12"

EAVE HEIGHT: 8'4" & 9'4"

STRUCTURAL: Columns are 16" wide, 16 gauge "C" channel covered with a 26 gauge galvanized panel; factory painted with Signature 200 color coating (14 colors available.) *40 year manufacturer's limited paint warranty.* Headers are 26 gauge factory painted panels matching the color and profile of the roll-up doors. Posts and purlins are 16 gauge. Posts are on 10' bays with interior spacing on 5' centers. Exterior columns are on 10' bay spacing.

EXTERIOR FRAMED OPENINGS: 8'8" and 3'8" wide by 7'0" high. Dummy door panels or "R" panel factory painted sheeting will be used at the corners of the building.

ROOF: 26 gauge bare Galvalume Plus Standing Seam with a fixed clip system. *20 year manufacturer's warranty.* Gutters and downspouts (or false gutters) are available as an option.

FLOOR SYSTEM: Three layer system combining pressure-treated lumber and galvanized metal, within a frame of 16 gauge steel. The subfloor is constructed of pressure-treated 2x4's laid flat and topped by 2x4 floor joists on 16" centers. The interior flooring system is made up of 3/4" exterior grade plywood. The entire perimeter of the floor is then framed in 16 gauge steel which forms a 3/4" raised lip to keep water out.

ANCHOR SYSTEM: All four corners have a bracket assembly that will be bolted to a ground rod, which we supply.

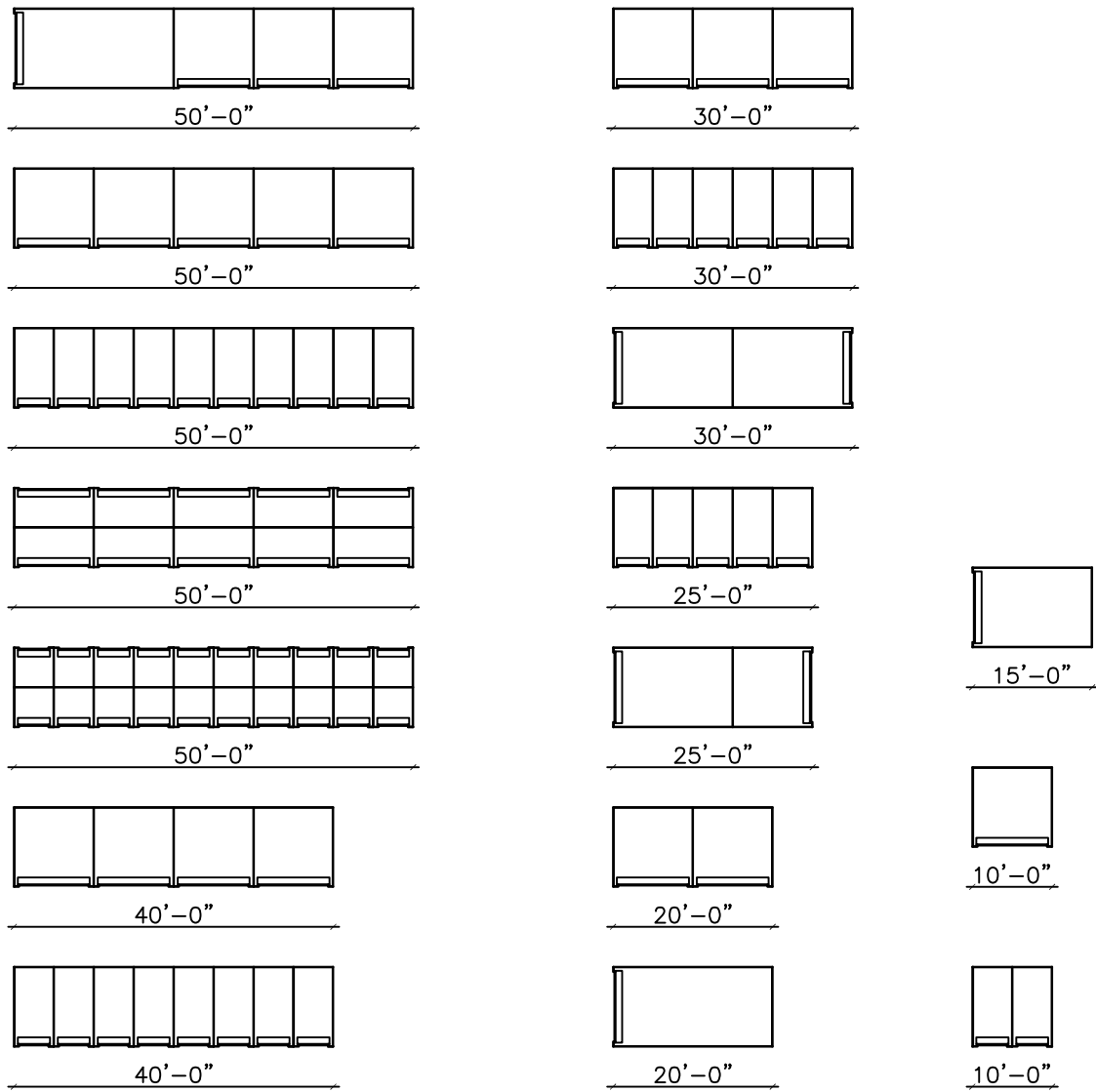
WALL PANELS: 26 gauge Galvalume Plus "R" panel with Signature 200 color coating (14 colors available.) *40 year manufacturer's limited paint warranty.*

PARTITIONS: 29 gauge Galvalume Plus "U" panels, used as unit dividers. (See Miller Buildings Interior Self-Storage System for specifications on our hallway systems.)

DOORS: Roll-up doors are 26 gauge pre-painted galvanized steel complete with coil springs, brackets, door stops, slide latch and bottom bar with rubber astragal. (23 colors available.) *40 year manufacturer's limited paint warranty.*

OPTIONS:

- All Galvanized Structural Material
- Flush Door Jambs and Headers
- Galvanized Structural Door Jambs
- Vinyl-Backed Fiberglass Insulation (3") or "Ply-Foil" Bubble Insulation (recommended to help prevent condensation)
- Gutters and Downspouts
- Storage Master Locks
- Metal Floor System



Contemporary Relocatable Specifications

- 22, 24, 26 gauge standing seam roof; up to 90lb snow load & 160 mph wind
- 26 gauge siliconized polyester exterior walls in 15 colors.
- Roll up doors (20 colors) with tension control and ball bearings.
- Insulated ply-foil roof; Architectural blue prints.
- Delivered completely assembled with a pressure treated wood floor system.
- 23' crane or 10,000lb all-terrain reach lift required by buyer to lift off of Miller truck.
- Sales Tax is not included. Quantity discounts available.
- Most roofs are 1/2 x 12 Shed slope. Others are 1/4 x 12 Peak roof.
- No Gutters and Downspouts.
- One truck load delivers 40 to 50 feet of relocatables.
- Freight charge is \$9.00 per mile from Harrisburg, PA

Date	12-15-22	Job Description	 <p>MILLER BUILDING SYSTEMS</p> <p>These drawings have been prepared for buildings incorporating methods & materials utilized by Miller Building Inc.</p> <p>Any unauthorized use of this drawings in whole or in part is prohibited and this notice shall serve to hold harmless Miller Building Inc.,</p>			
Drawn By	psf	Miller Buildings Inc Myerstown, PA 17067 1-800-323-6464				
Scale						
Order No.						
Sheet No.		Sheet Title Relocatable Unit Samples				
				Date	Revision	By



Reference: Setting Miller Buildings, Inc., Relocatable Storage Units

Note: Shimming is ONLY required when the surface is not level.

When setting Miller Buildings' relocatable storage units, it is essential that the units be fully supported at the proper locations. Failure to do so may result in a sagging floor that could compromise the structure and cause the doors and roof to fail.

The use of suitable shimming materials such as ground contact pressure treated lumber or masonry block is required.

At minimum, the units should have support at each corner and underneath every structural post location. They should have a support running the entire length of the center of the unit. This support shall be located directly underneath the center skid and perpendicular to the floor joists.

The ideal and recommended method of shimming would be to run continuous shims supporting the two perimeter skids which run perpendicular to the floor joists as well as a third continuous shim running beneath the skid that runs down the center of the unit.

The units may be set on a 1% slope as long as the direction of slope does not cause a negative pitch on the roof.

Contact Miller manufacturing facility to review shimming prior to setting the units (717-866-2319.)

Upon completion of shimming, the units shall be secured with the provided $\frac{3}{4}$ " rebar anchors. If units are being set on a concrete slab, then $\frac{3}{4}$ " x 6" wedge anchors shall be used.



Unloading requirements and approximate weights for Miller Relocatable storage buildings.

There are eyebolts in the four corners of the buildings. Miller's truck driver will provide a set of four leg lifting cables for unloading the buildings. These cables will attach to the eyebolts and will terminate at a one-point lifting clevis. When the cables are attached to the eyebolts and are fully extended while the building is on the trailer, the central lift clevis will be at 23' above grade. The customer must provide a ladder and a person to make the cable attachments.

After the buildings have been loaded at the manufacturing facility, the sealant around the eyebolts is inspected and touched up (if required.) Depending on the experience of the operator at the destination facility, sometimes lateral stresses are put on the eyebolts while the buildings are being unloaded. There is the possibility that the sealant around the eyebolts may possibly be pulled away from the roof panels and requires touch up. Once the buildings have been set in place it is the customers responsibility to inspect all eyebolts and touch up sealant as required. You should have received one tube of Sikaflex 1A sealant for every four buildings.

When Miller Relocatable buildings are being unloaded with a crane, we suggest providing the crane company with the size and the weight of the buildings and allowing them to determine what size crane will be required.

An all-terrain telescopic boom forklift such as a Gradall 544d10-55 or Lull 1044c-54 (10,000 lb. units) may also be utilized for unloading the buildings. The approximate building weights are listed below along with the required forklift size. Due to the size of the buildings, straight mast forklifts and excavators typically are not adequate for unloading.

<u>Size</u>	<u>Approximate Weight</u>	<u>Required Forklift</u>
10' x 10'	1,800 lbs	6,000 lb Telescopic boom
10' x 15'	2,500 lbs	6,000 lb Telescopic boom
10' x 20'	3,000 lbs	6,000 lb Telescopic boom
10' x 30'	4,000 lbs	8,000 lb Telescopic boom
10' x 40'	5,500 lbs	10,000 lb Telescopic boom
10' x 50'	6,500 lbs	10,000 lb Telescopic boom

*Weight will vary depending on building design and components. Consult with your representative.

1408 Bethlehem Pike • Flourtown, PA 19031 • 800-323-6464 • Fax 215-836-7358