

# Michel's *Roll up Doors*

## Installation Instructions



**Michel's** Industries, Ltd.

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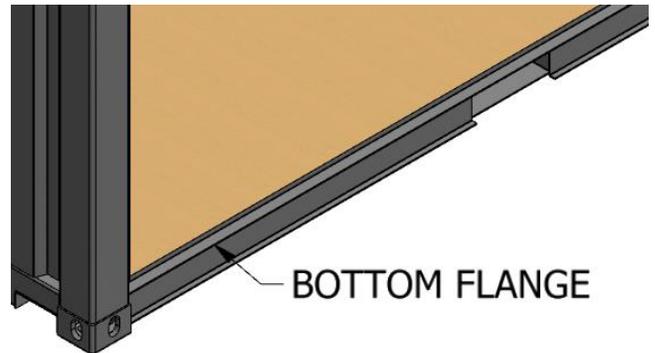
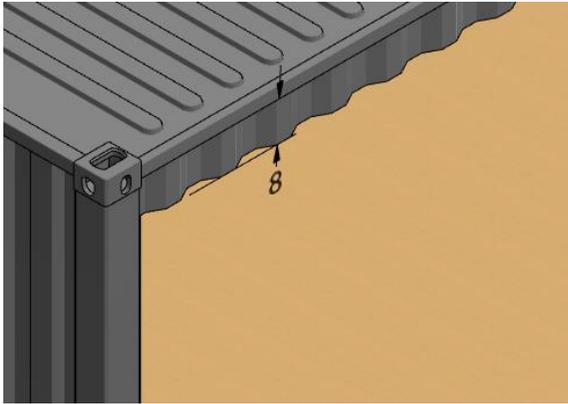
S0K 3X0 Canada

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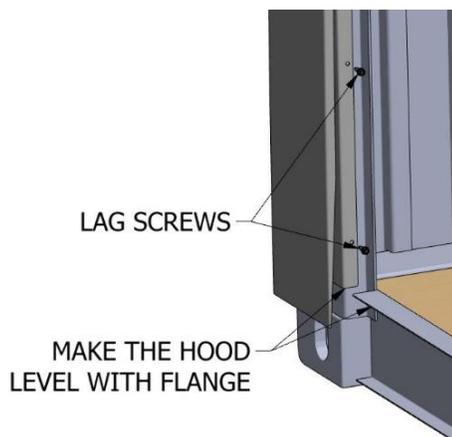
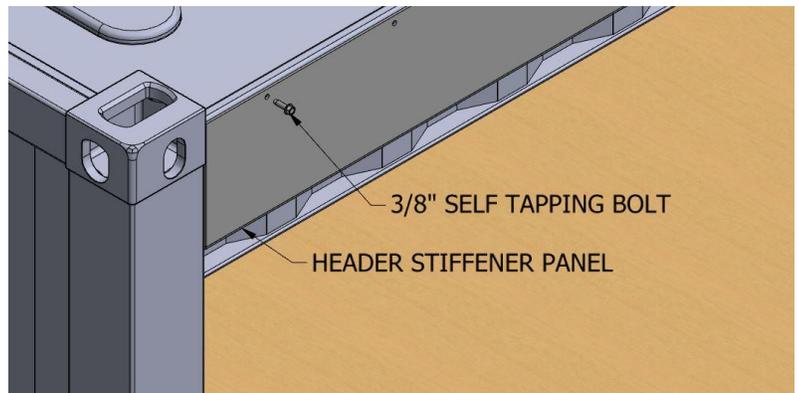
**\*\*\*WARNING:** The top header is Engineered to support the Container structure only and will not support extra added weight. Michel Industries Inc. is not liable for the roof structure, if weight is added to the top of the container. This includes, but is not limited to, overhead storage and extreme snow loading. \*\*\*

\*\*\* NOTE: Please read entire Instructions before beginning. Pictures are for reference only and may be different than the structure that it is being installed on. \*\*\*

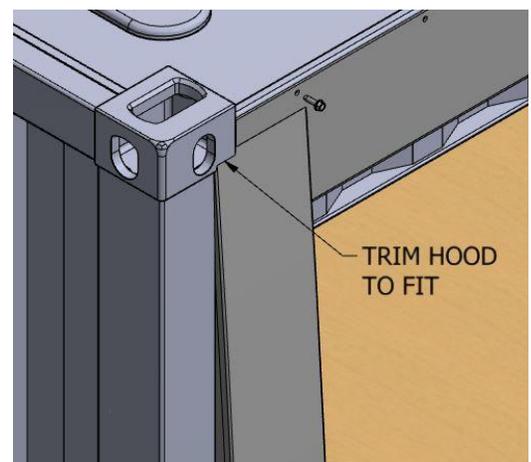
Brace the roof within 12" from the wall that is going to be removed with a temporary post. Mark the wall 8" down from bottom of the side tubing of the roof. See Picture below. Use a plasma cutter or a hand grinder with a cutting wheel to cut the wall. Cut the wall at the mark. Cut the bottom of the wall right at the bottom flange and cut each side of the wall out at the corner post. Once the wall is removed grind the top of the bottom flange smooth.



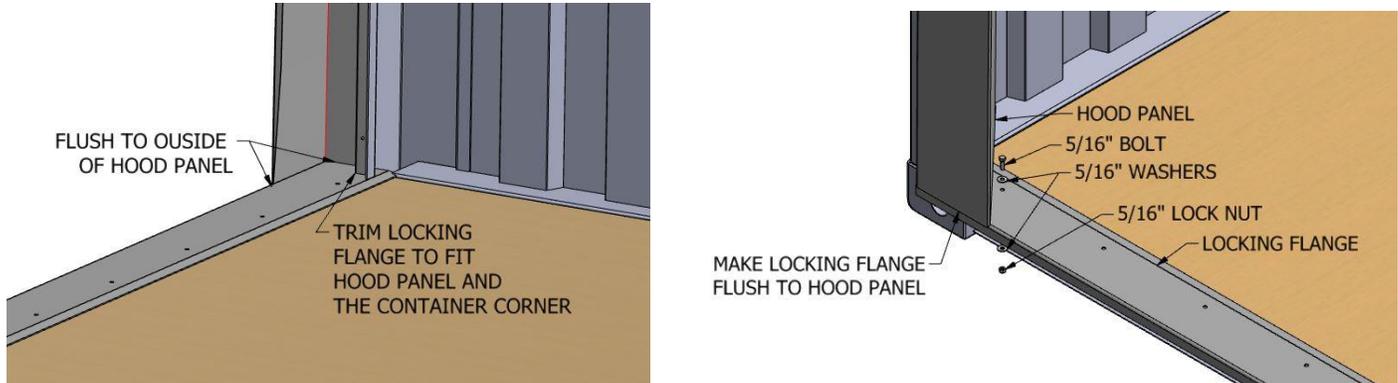
It is recommended to add 2" or 3" of arch into the roof. That way when the roof settles down it remains flat. Install the L-Shaped Header Stiffener Panels onto the top front side of the container. Fit the first panel onto the corner posts making the Header Stiffener Panel flush with the outside of the corner post. Start on one side of the container and trim the Header Stiffener Panel to fit the corner. Continue installing the panels and cut the last panel to fit the corner the same as the first panel. Drill a 11/32" hole through the top container tubing for the 3/8" self tapping bolts. It is recommended that the Header Stiffener Panels be WELDED to the container. Weld the sides and seams solid. Stitch weld the top of the panels and weld a 1" stitch on each corrugation from the inside of the container. This is the recommended way to install the header stiffener panels to obtain the highest strength possible to support the snow load on the container.



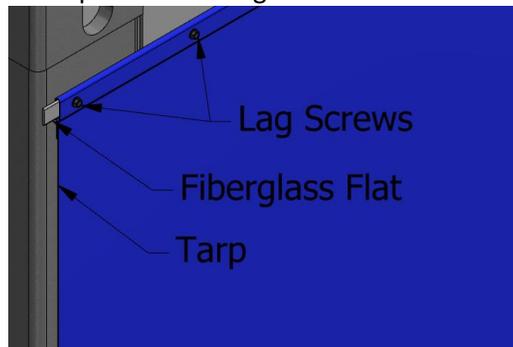
Install the side hood panels onto the corner posts level with the top of the bottom flange of the container. See Pictures. Use the supplied lag screws to install the hoods. It is recommended to stitch weld the panels on the inside and outside to the corner posts. The top of the panel may need to be trimmed to fit properly.



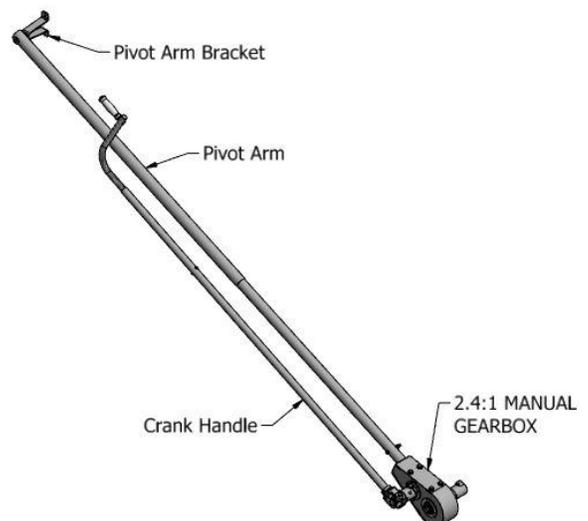
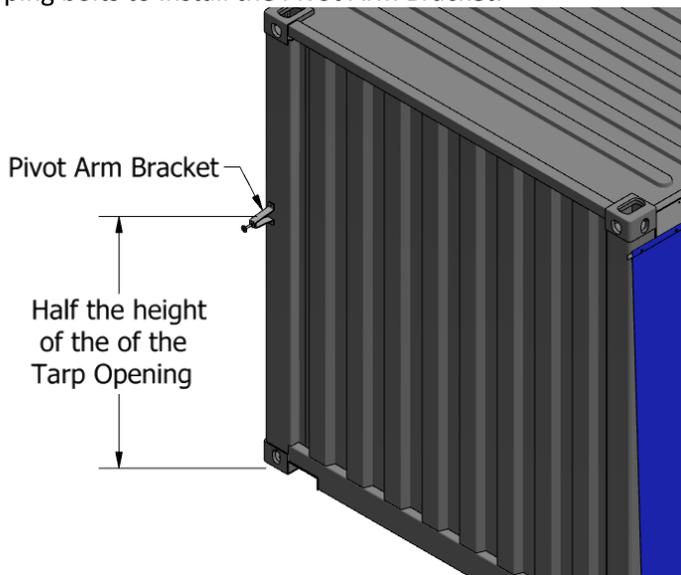
Place the Locking Flange Panel on top of the bottom flange of the container close to the corner and the hood. The Locking Flange needs to be flush with the front of the hood. By using a straight edge measure and mark the Locking Flange to fit the inside of the Hood Panel. The Locking Flange will have to be trimmed to fit the corner of the container in order to reach the outside of the Hood Panel. Drill 5/16" holes through the bottom flange of the container and secure the Locking Flange with the supplied 5/16" hardware.



Run a chalk line from the top of on hood to the top of the other hood. Install Butyl tape underneath the chalk line the length of the container. This is to help stop water from leaking in behind the tarp. With the Butyl tape applied, unroll the tarp all the way and install the tarp with the supplied self-drilling lag screws approximately 1" from the ends and 12" apart. The lag screws will go through the tarp and the fiberglass flat that is installed in the top pocket of the tarp.

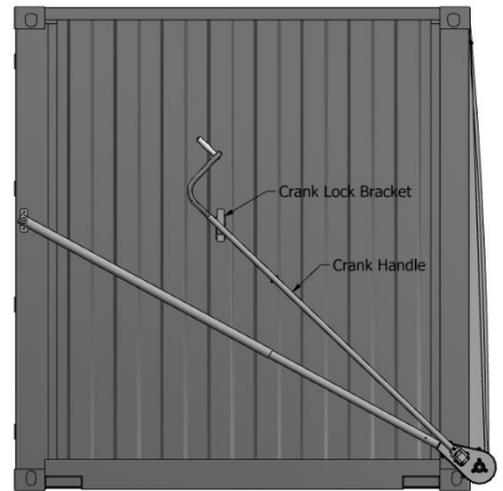


The Pivot Tube Bracket will be installed at half the height of the container and at the back of the container. This will create the longest arc possible, making the Pivot Arm slide as little as possible. Drill 11/32" holes and use 3/8" self-tapping bolts to install the Pivot Arm Bracket.

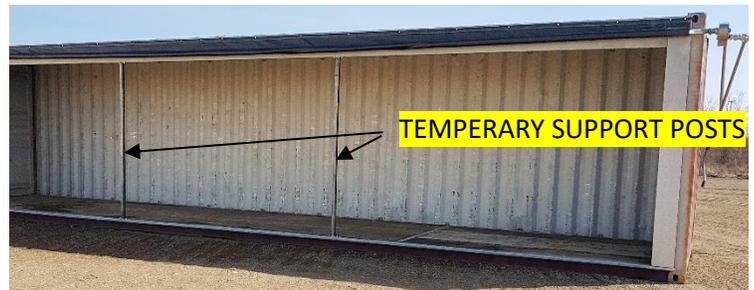


Mount the 2.4:1 Gearbox assembly onto the Roll Tube and install the Wire Lock Pin. Slide the Pivot Arm on to the gearbox arm and bolt into the Pivot Arm to the Pivot Arm Bracket.

Once the gearbox and pivot arm are mounted, attach the Crank Handle to the gearbox using a Wire Lock Pin. Roll the tarp so it is pried under the Locking Flange and the tarp is tight. Change the spline placement on the gearbox so the Crank Lock Bracket can be mounting in an appropriate location. See picture beside for approximate location. Making sure that there is tension on the tarp once the Crank Handle is locked into position. Once the best location for the Crank Lock Bracket is determined use Lag Screws to mount the bracket. **CAUTION** must be taken when rolling the tarp up and down. Do not let go of the handle unless the crank handle is the locked position.



The Tarp Saver Cord will be installed on both ends of the container. It needs to wrap around the bottom of the hoods and to the container. See Black Arrow. The top of the Tarp Saver Cord will be mounted to the top of the container. See Red Arrow. They should be mounted over the hoods. That way they do not interfere with the opening. Some tension needs to be applied to the Tarp Saver Cord in order to keep the tarp and Roll Tube from swinging in the wind.



Install temporary support posts for transport and travel with the tarp closed.

**OPTIONAL ELECTRIC SYSTEM**

The Electric System is an Option to the manual hand crank system. Note: The battery is supplied by the end user. The battery can be charged by either a battery maintainer or the supplied solar panel.

1. 12vdc Electric Motor Bracket Assembly
2. Pivot Mount
3. 50-amp Circuit Breaker
4. 2 Button, Electric Control Box
5. Optional Wireless Control instead of 2 Button Control Box (Includes T220 Wireless Box, Remote, and Charger)
6. Battery, Not Supplied
7. Jumper Terminal Positive Stud
8. Jumper Terminal Negative Stud
9. Solar Panel (Supplied) or Battery Maintainer (Not Shown and Not Supplied)

