

Modular & Venture Ceiling Installation Instructions

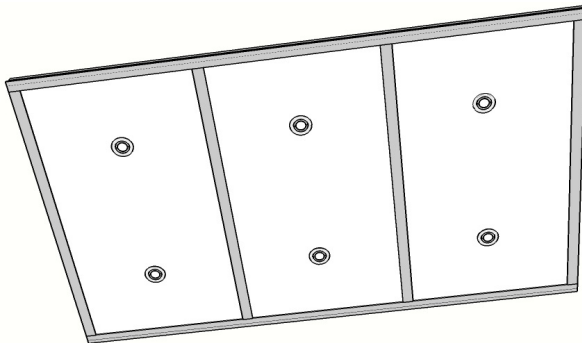
Installation - Tools Needed

- All Necessary Safety Items
- Utility Knife
- (2) Tape Measures
- Step Ladder(s)
- MC Cutter & Wire Strippers
- Lineman Pliers
- Lock-tight
- Reciprocating Saw with Metal Blade
- (2) Cordless Drills
- Phillips Head Drill Bit
- 1 1/4" Hole Saw Bit
- Dust Pan and Brush
- (2) 7/16" (11mm) Sockets & Ratchets
Alternative (2) Wrenches or (1) Socket & Ratchet and (1) Wrench

IMPORTANT: Unpack and check shipment for any damage. Verify color, size and all parts before demolition.

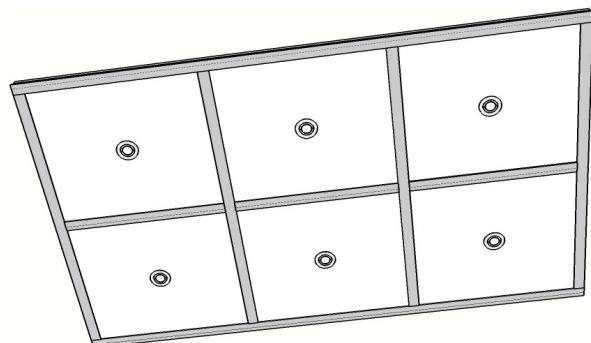


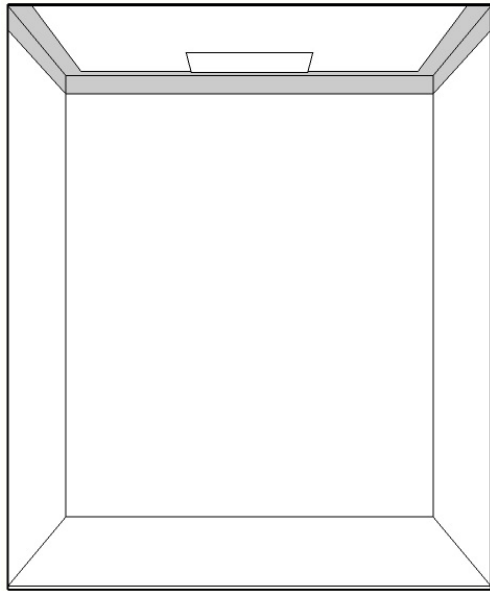
For your **Safety** and **Ease** of installation, please watch the installation video located at [SnapCab.com/MC-VC](https://www.snapcab.com/MC-VC)



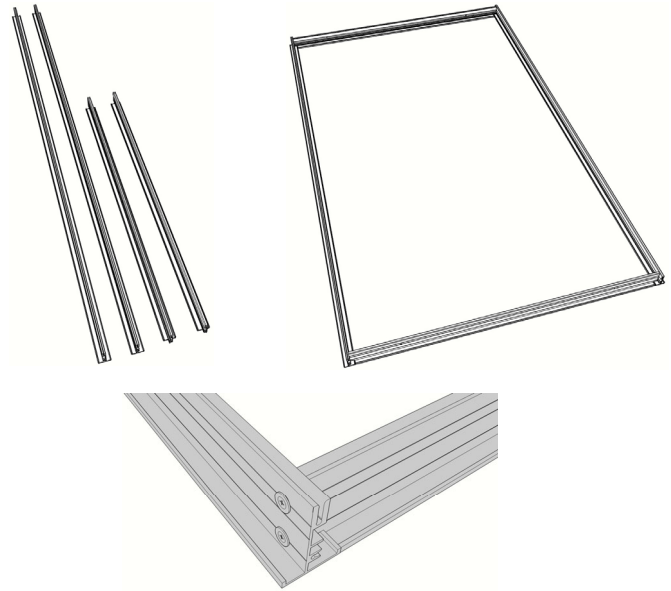
Venture Ceiling

Modular Ceiling

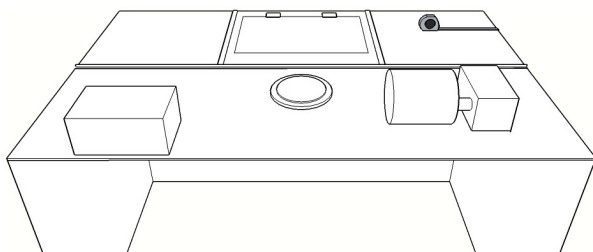




1. Prepare cab. Protect cab floor. If installing new wall panels, remove the old wall panels along with the old ceiling. Installation of the new ceiling is recommended before installing new wall panels. If necessary, paint top 4" of all non-access walls and a 6"-8" border of the canopy with matte black paint (not included). One installer can begin step 2 while the other prepares for step 3.

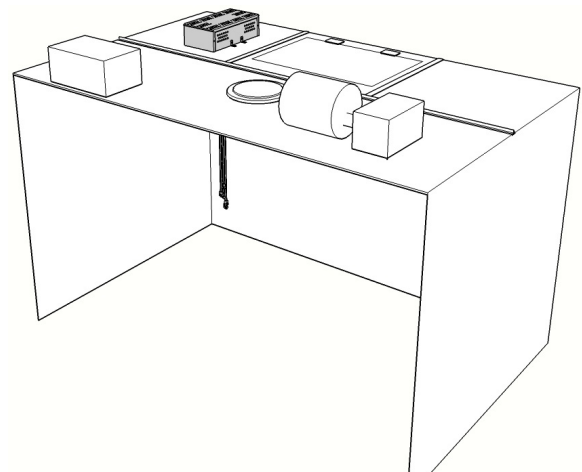


2. Assemble ceiling frame. Outside the elevator, on a protected floor, layout the ceiling perimeter frame pieces face down with label side facing out. Ensure ends are even and face of rail and cross member are flush. Using the "Ceiling Frame Assembly Hardware" assemble ceiling frame pieces together. Install and tighten the bottom screw first through the rail and into cross member followed by the top screw. Repeat for all corners.

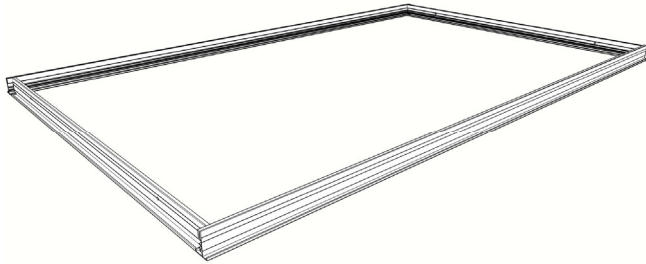


3. Measure obstructions on canopy. One installer take power supply with mounting hardware, plastic bushing, tape measure, drill, Phillips head bit, and 1 1/4" hole saw on top of canopy.

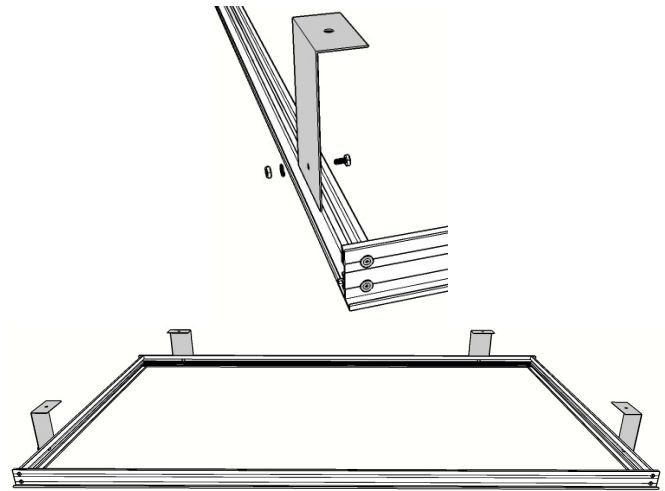
Determine where ceiling mounting holes can/cannot be drilled by viewing/measuring obstructions (door equipment, car top exit, etc.) on top of canopy. Installer on canopy to communicate location of equipment to installer inside cab.



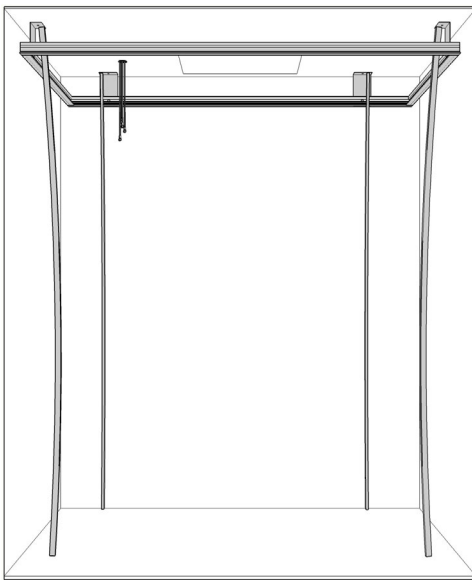
4. Install lighting power supply. Place power supply box on canopy (near the center). Drill 1 1/4" diameter hole through canopy where box will be mounted. Install plastic bushing in hole. Insert wires through bushing. Mount supply box to canopy. Make sure power is off prior to making electrical connections. Bring 120 VAC line into box. Connect hot and neutral wires to terminal strip. Connect ground wire to threaded stud. Continue to follow wiring diagram found in light kit for further instructions. DO NOT supply power to supply box at this time. Installer on top of cab to return to inside of cab.



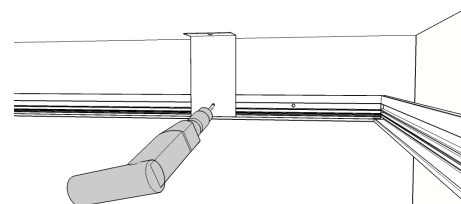
5. Determine where to attach mounting legs to ceiling frame. Based on equipment on canopy, select the appropriate holes on the ceiling frame to mount legs to frame. The ceiling size will determine how many mounting legs are necessary. Most capacities 5,000 lbs. or less will only require four (4) mounting legs.



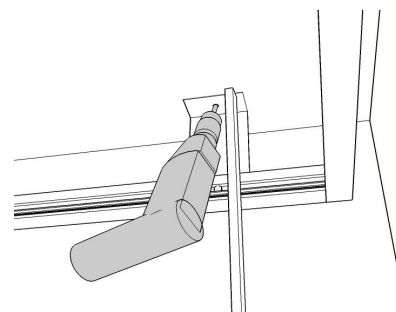
6. Attach mounting legs to ceiling frame. Position the L-shaped legs to point in toward the center of the frame. Align hole in mounting leg with hole in ceiling frame. If the mounting location will interfere with equipment above canopy, relocate the leg (using it as a template) and drill another 5/16" mounting hole in the frame. Using the "Ceiling Leg to Frame Hardware", bolt the L-shaped legs to the perimeter of the ceiling frame by inserting the bolt from inside the frame. The nut will be on the outside of the frame. Repeat for remaining legs.



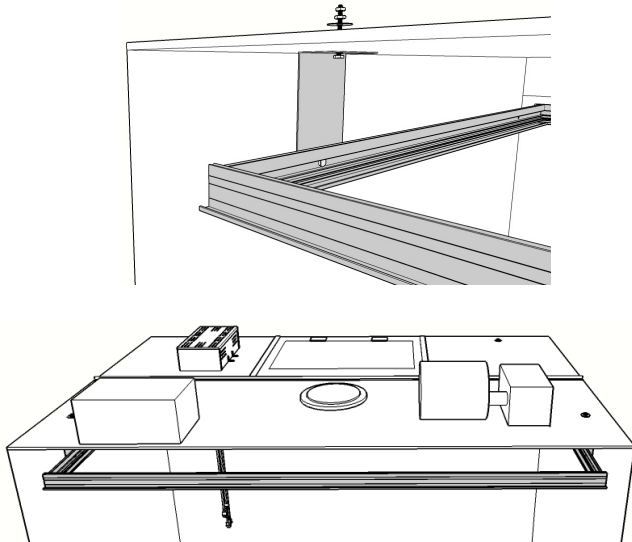
7. Prepare to attach ceiling to canopy. Retrieve supplied wood spring sticks. Depending on ceiling size, spring sticks come in full length or two sections that must be attached together. Spring sticks should be 1/4" - 1/2" longer than the dimension from floor to canopy. Lift ceiling into place. Wedge the spring sticks under the mounting legs to temporarily hold up the frame. Position ceiling frame with a even gap between frame and walls. With a measuring tape, ensure equal ceiling gap on all sides.



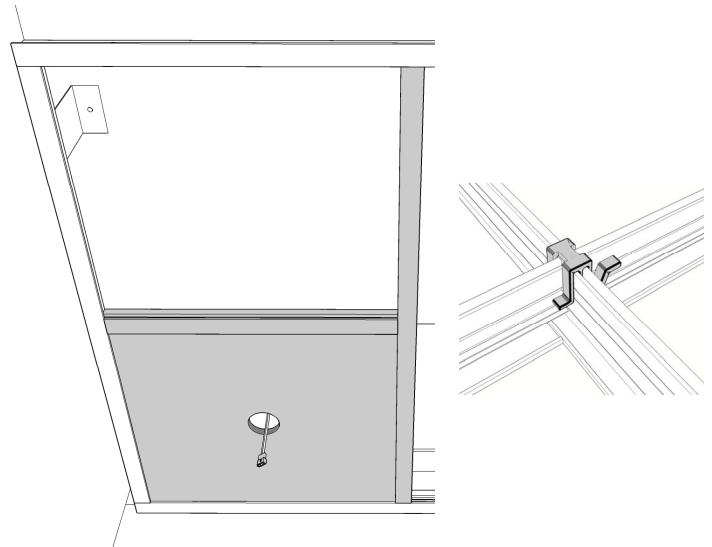
Drill new hole as needed.



8. Drill holes to attach frame to canopy. One installer take only washers and nuts from "Ceiling Leg to Canopy Hardware", reciprocating saw with metal blade, lock-tight, and 7/16" (11mm) socket & ratchet or wrench to top of canopy. Ensure no equipment is located above the mounting leg holes. If a leg is located so it cannot be attached, mount other legs first, then reposition the mounting leg elsewhere on the frame (drill new 5/16" hole as needed). Once clear, installer inside cab drill a 5/16" hole through the mounting leg hole, through the canopy. Repeat for each mounting leg.



9. Attach frame to canopy. Installer inside cab push bolt through first hole while installer on canopy attaches washers and nut. Repeat steps 9 & 10 until all mounting legs are attached. We suggest using lock tight on the bolt threads and then double-nut the bolts. Using the reciprocating saw with metal blade, cut-off excess bolt threads flush with nut. Once all mounting legs are attached, installer on canopy can return to inside cab.



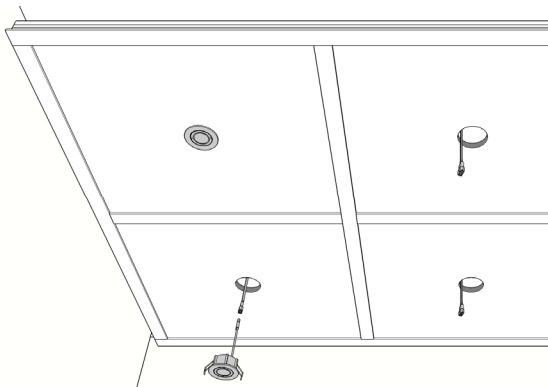
10. Install ceiling cross members, clips (if supplied), & tiles. Peel back protective coating around hole. Starting at one side of ceiling, install first ceiling tile followed by long cross member. Feed one light wire through each light fixture hole (those with red connectors closest to front of cab). Note: tile(s) with handles go below car top exit, indicated by "Hatch Location" sticker.

If Cross Member Clips are supplied (typically two), place over cross member intersections indicated with "Install Clip Here" stickers on frame to hold cross bars into place. Push down clip onto frame/cross member intersection to lock into place.

Continue installing ceiling tiles and cross members until all ceiling tiles without handles and cross members are installed.

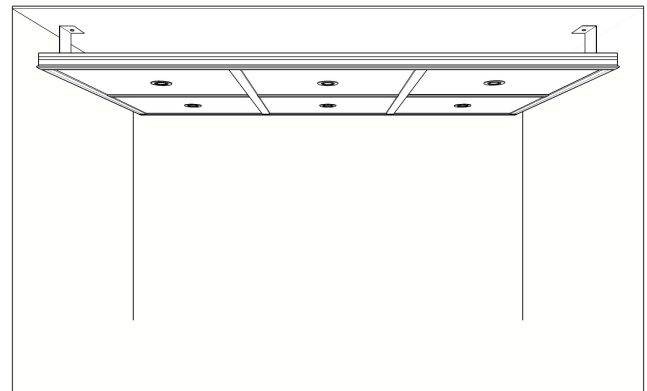
Install Rubber U-Channels on ceiling frame / cross members (prevents scratching face of panels) in locations that allow easy storage of hatch panels.

Install ceiling tile(s) with handles below escape hatch.



11. Connect & install down-lights. Make sure power supply is off prior to connecting lights. Connect wire plug to light fixture plug, pull back springs on light fixture, insert fixture into ceiling hole, gently release springs, push fixture into place. Repeat until all light fixtures are installed.

Once all lights are connected, turn-on power to supply box.



12. Clean. If wall panels are included with this project, move on to wall panel installation instructions.

If a ceiling only, remove any remaining packing material or protective film and dispose of debris.