



ELEVATOR CAB  
RENOVATIONS™

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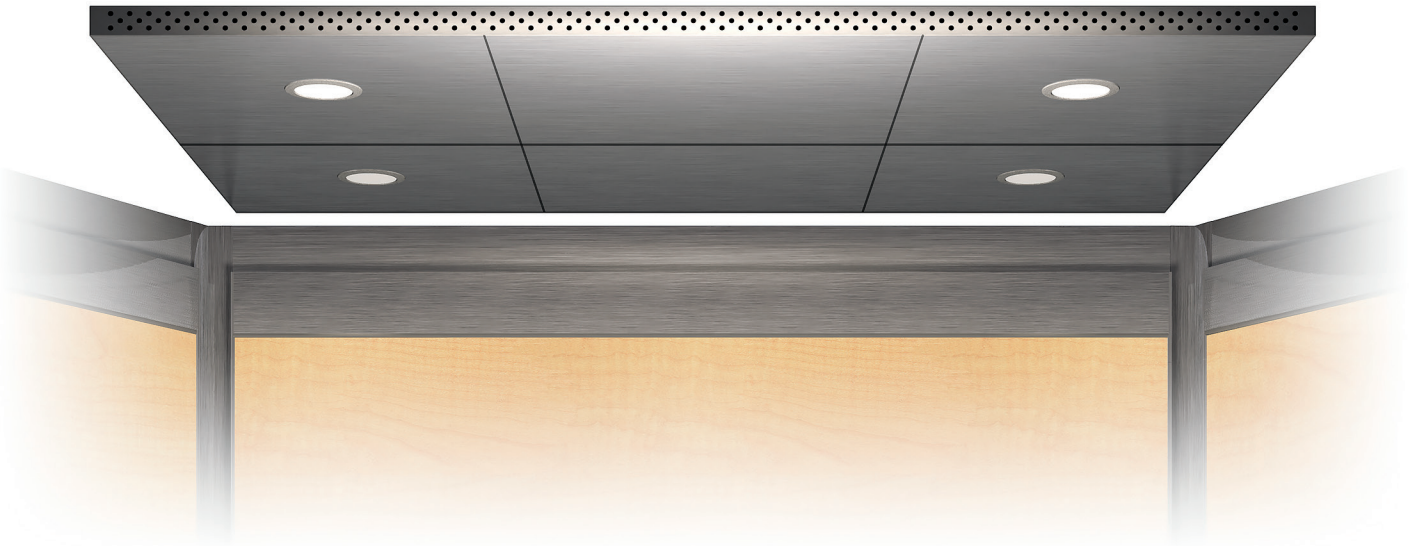


ELEVATOR  
INTERIORS  
& FIXTURES

# SLIM-LINE CEILING

MODEL:  
ALTA

## INSTALLATION INSTRUCTIONS



## TOOLS REQUIRED

- Measuring Tape
- Drill
- Ladder
- 3” Paint Brush and latex paint for painting the canopy (If required)

## SECTION 1: UNPACKING

- 1.1. When your new Slim-line Alta Ceiling arrives, transport it near to the cab you will be renovating and organize the crates so that they will be easily accessible.

The crates contents are itemized on its surface.

- 1.2. Carefully un-crate the ceiling package, making sure that none of the components are damaged.
- 1.3. Check the colours, features, and dimensions of the components against your order before you begin removing the existing elevator interior.

If you have any questions at this point, contact ECR before going ahead with any part of the installation.

For technical support on the Slim-line Ceiling installation, please contact us at:

**Elevator Cab Renovations**  
**Office: (613) 745-4870**  
**Toll Free: 1-877-745-4870**  
ecr@elevatorcabs.ca

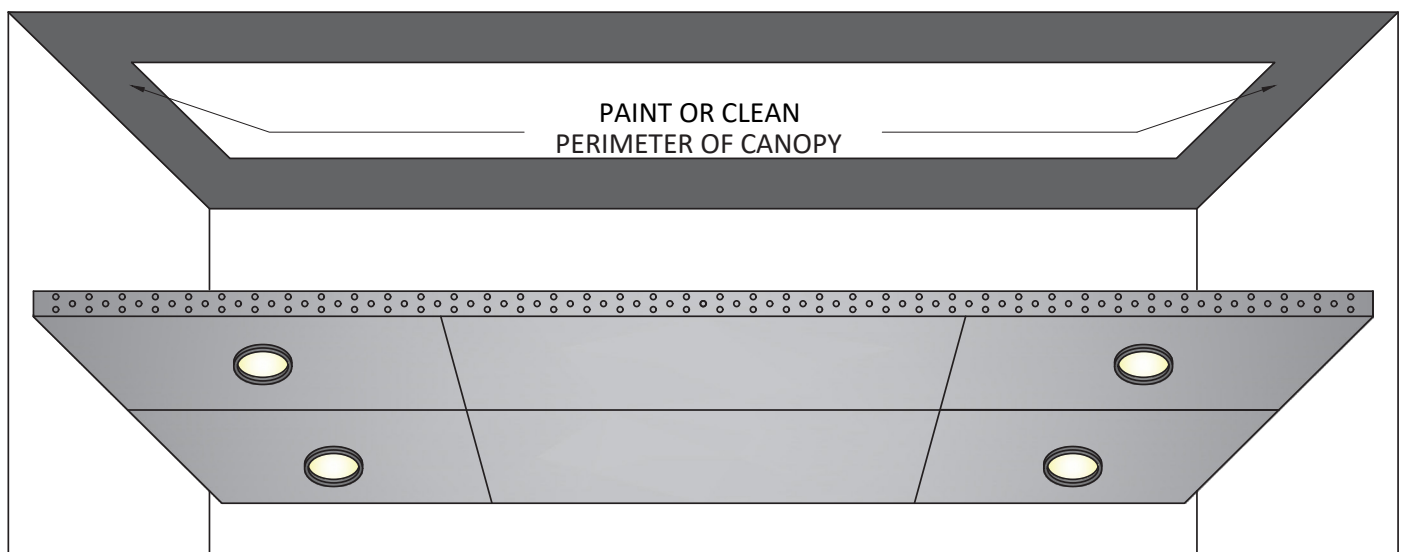
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## SECTION 2: PREPARE FOR THE CEILING INSTALLATION

- 2.1. Unless specified otherwise, your new Slim-line Ceiling will be inset from the shell walls by 2" on all sides. Please consult drawings accompanying ceiling.
- 2.2. Prepare canopy to accept new floating ceiling by completing one of the following options:
  - a) Sand, clean and re-paint the perimeter of the canopy with a desired color. Black or white are typical for this type of application
  - b) If the canopy is in good condition, a simple cleaning may be all that is required



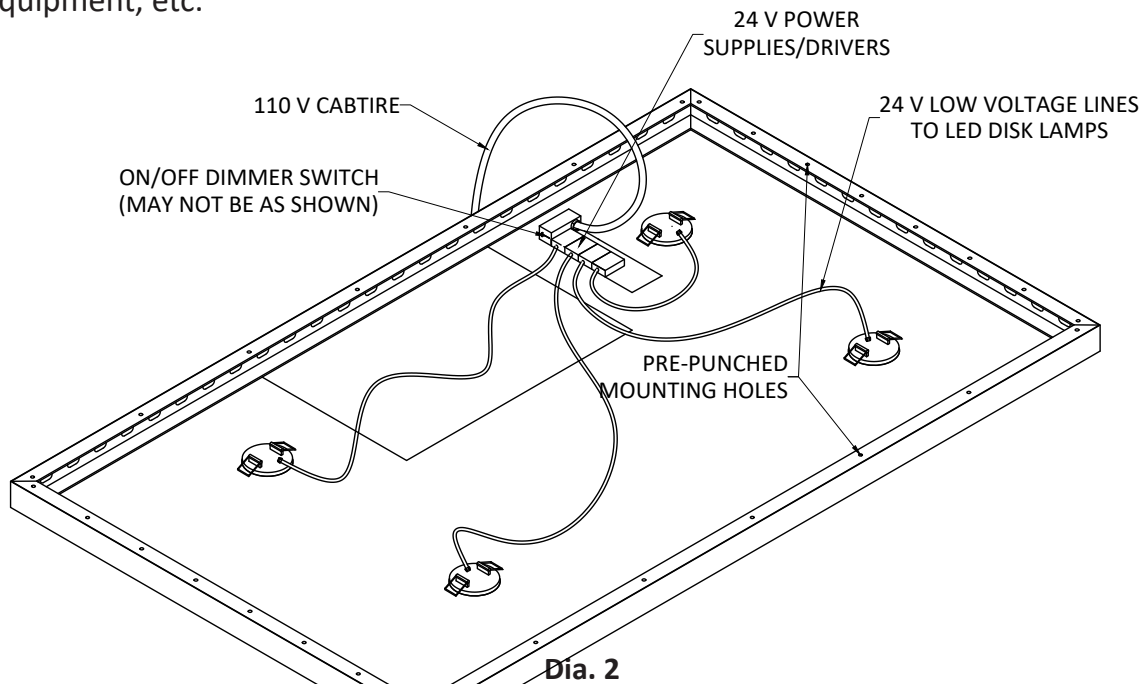
Note: It is suggested that for both options a or b, a minimum of 6" of the perimeter of the canopy should be addressed by the process chosen.



**Dia. 1**  
Canopy preparation.

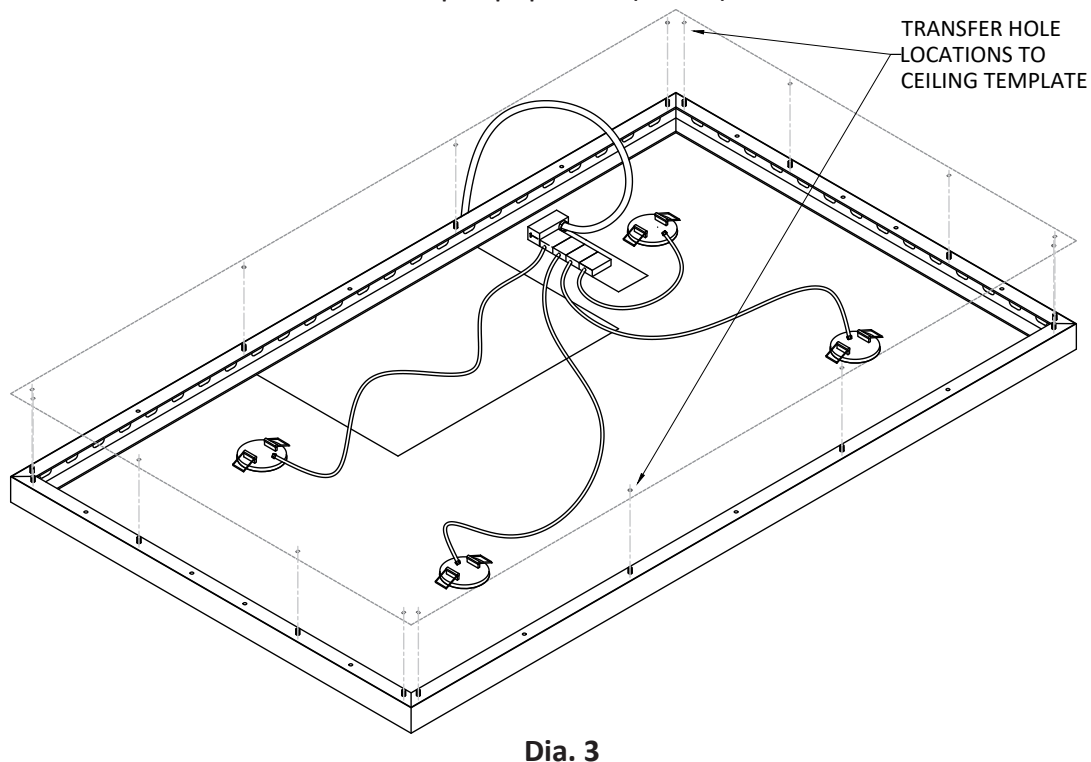
## SECTION 3: INSTALL SLIM-LINE ALTA CEILING

- 3.1. Your ceiling includes a mounting template. This will be used to transfer hole locations from the ceiling frame to the canopy of the cab (Dia. 2). Determine safe locations on the car top where the frame can be installed so that fasteners are not obstructed by ribs, car top equipment, etc.



Slim-line Alta mounting locations.

- 3.2. Based off safe locations determined previously, install bolts through the pre-punched holes in the sub frame. Transfer these locations to the mounting template and verify again that fasteners will not clash with car top equipment (Dia. 3).



Transferring hole locations to template.

## SECTION 3: INSTALL SLIM-LINE ALTA CEILING (CONTINUED)

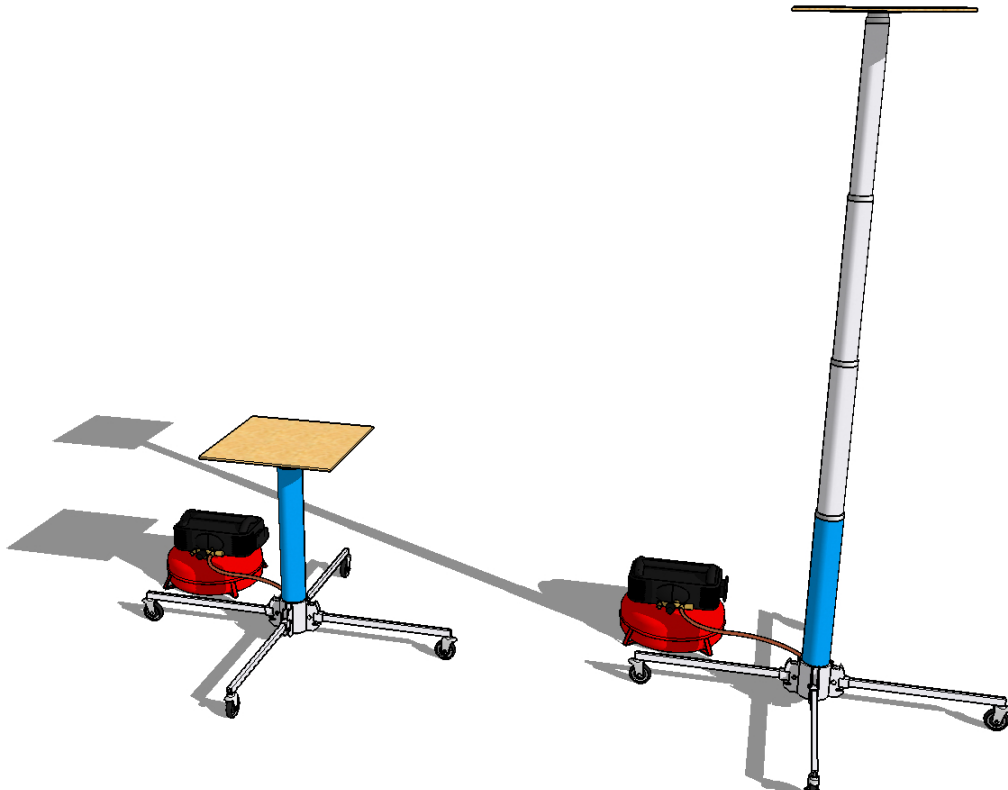
- 3.3. Position the template against the canopy of the cab in the desired location (typically centered side to side - verify drawings accompanying ceiling) and temporarily secure into place with screws or tape. Copy the mounting holes to the canopy by marking through the template holes. Remove the template from the canopy.
- 3.4. Before drilling in the canopy, check the top of the car for any obstructions (i.e. ducts, cable, conduit etc). Progressively drill holes up to ½" diameter in the canopy.



Protect any exposed wall finishes prior to raising the floating ceiling into position.



All ceilings should be raised into position using a mechanical lifter (such as a Genie Super hoist) rated with enough capacity. Lifting the ceiling into position without proper equipment can result in damage to the ceiling, the surrounding angles and/or personal injury.

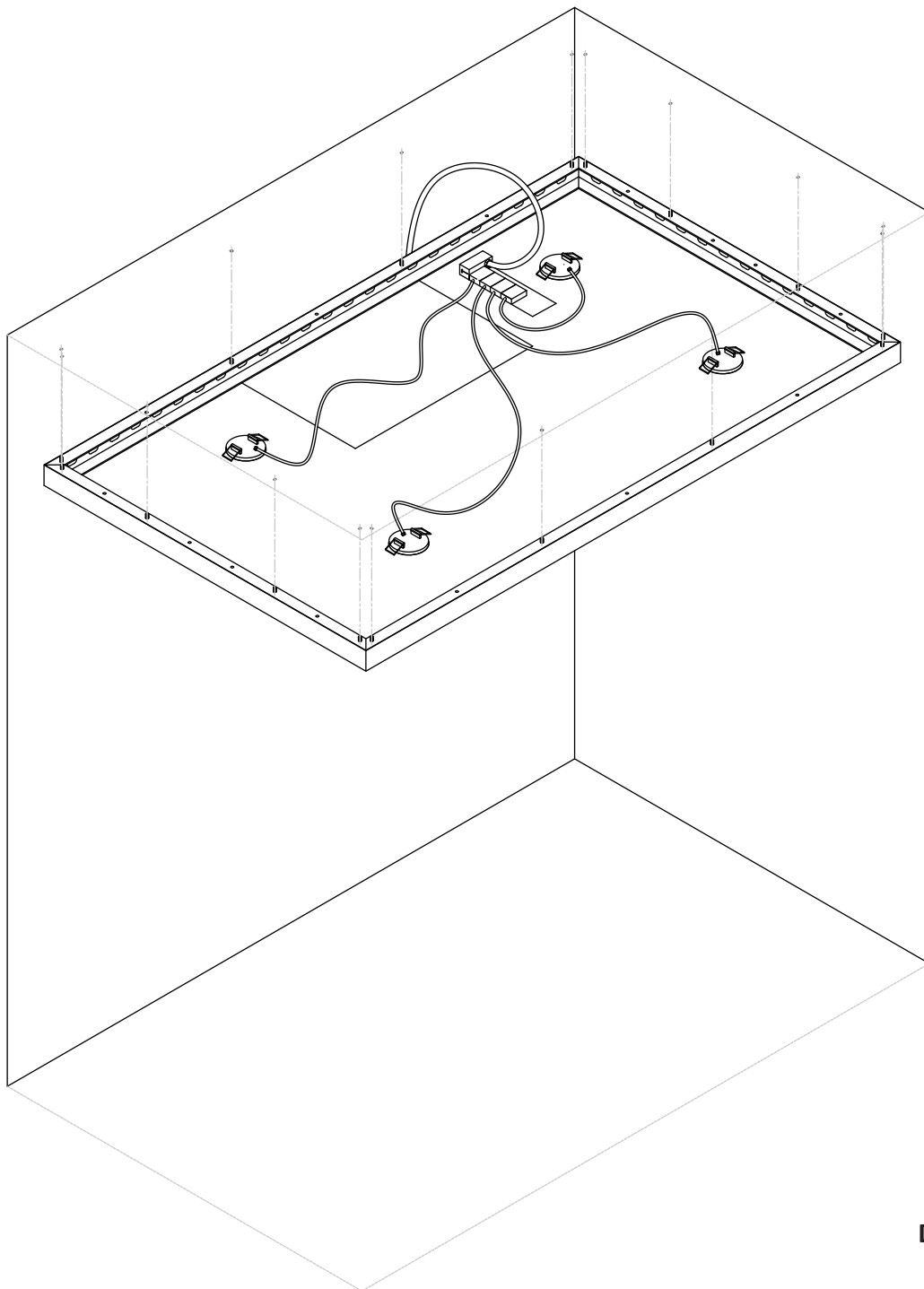


**Dia. 4**  
Genie ceiling lift.

- 3.5. Ensure the platform of the lifter will not damage the ceiling during use. This can be accomplished using plywood covered with foam, or another non-marking material. If possible, it is preferable to leave the hatch area un-obstructed.

## SECTION 3: INSTALL SLIM-LINE ALTA CEILING (CONTINUED)

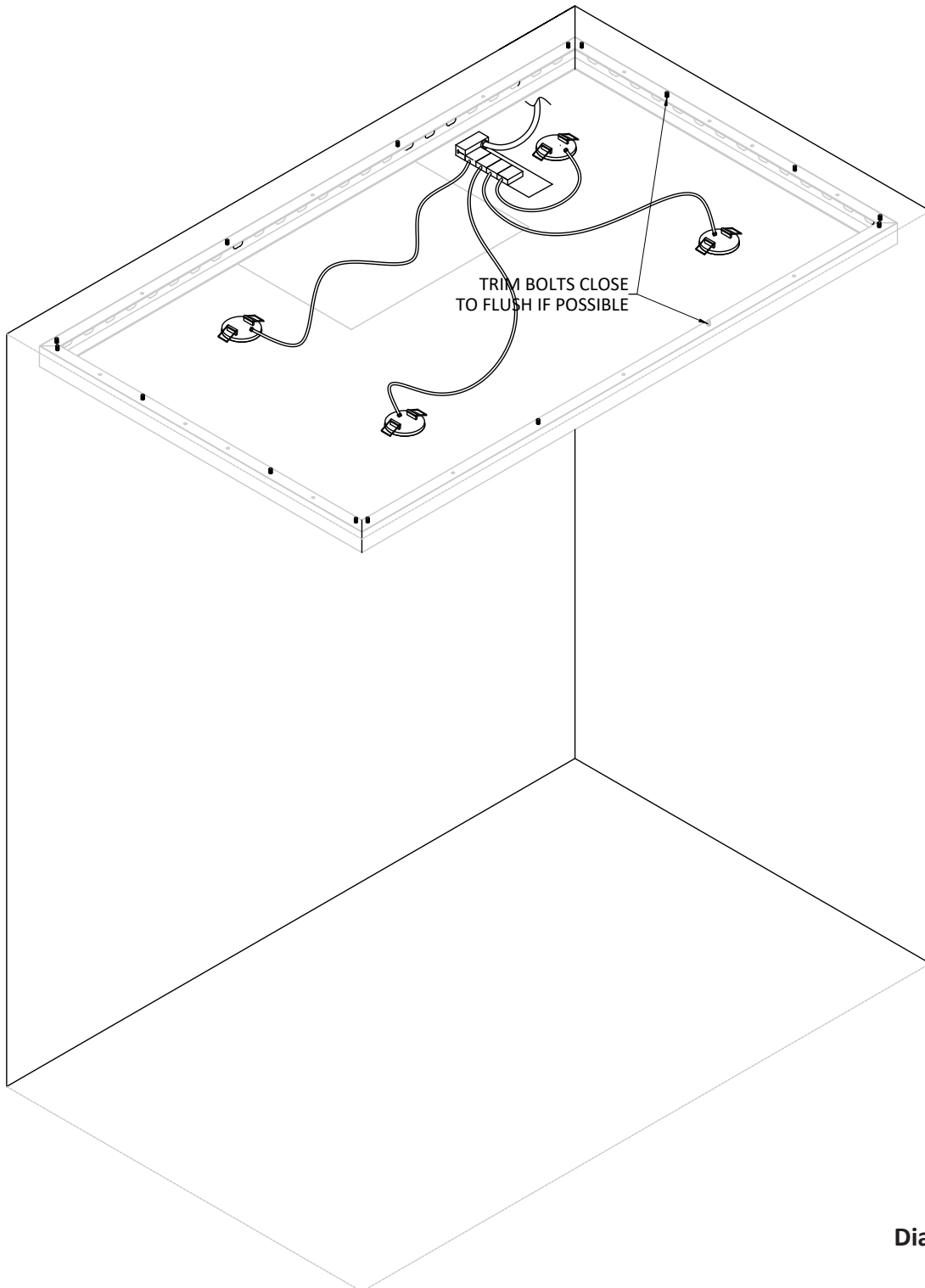
- 3.6. Open the hatch on the canopy.
- 3.7. Place the ceiling on the lifter with the good side facing down. Remove the Slim-line Ceiling hatch portion and place it in a position where it can be reached from the escape hatch in the canopy.
- 3.8. Slowly raise the ceiling into place (Dia. 5). This is best done with a person at the hatch looking between the ceiling and the canopy and making any adjustments necessary to align the studs with the holes in the canopy.



**Dia. 5**

## SECTION 3: INSTALL SLIM-LINE ALTA CEILING (CONTINUED)

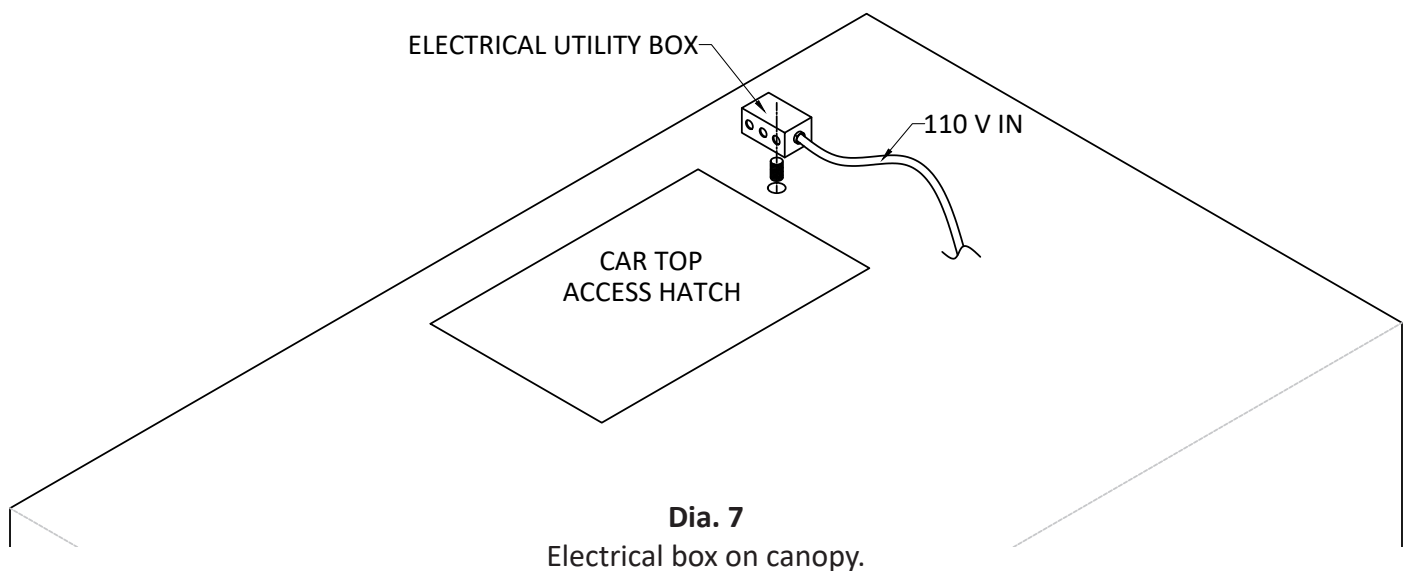
- 3.9 Make any necessary adjustments and then securely fasten the ceiling into position. Loctite (not provided) can be applied to the mounting studs prior to installing the nuts.
- 3.10 Once the ceiling is secured in place, trim the studs protruding from the canopy as flush as possible to remove any potential trip hazards (Dia. 6).
- 3.11. Carefully lower the mechanical lifter and remove it from the cab



Dia. 6

## SECTION 4: ELECTRICAL CONNECTIONS

- 4.1. The ceiling will be supplied pre-wired.
- 4.2. The Alta power supplies are located on the ceiling and are mounted to a removable tray (velcrowed in place (Dia. 2)).
- 4.3. The lighting system runs on 110V AC through a dimmer to a low voltage power supply. The installer must provide 110V to the lighting system. The system can be hard wired (utility box and connectors are provided) (Dia. 7).
- 4.4. Mount an electrical utility box (provided) on top of the canopy (outside on the car), preferably at the rear of the car (near the hatch). This will provide the junction for the 110 V from the car top to the 110 V that will feed the power supplies for the disk lights.



- 4.5. With the hatch in the open position, connect the 110 V cab tire from the Alta Ceiling to the 110 V in from the utility box mounted previously.
- 4.6. Once connected, the intensity can be adjusted by accessing the dimmer through the open hatch. Set the required light level for you jurisdiction (ASME A17.1-2013/ CSA B44-13):

- a) 50 lux for passenger elevators\*
- b) 25 lux for freight elevators\*

\*Appendix E 100X for passenger



## GLOSSARY

**Canopy:**

The roof of the cab.

The top structural component of the shell.

The canopy houses the emergency hatch.

The canopy may have various electrical and mechanical components attached to its surfaces, both interior and exterior.

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