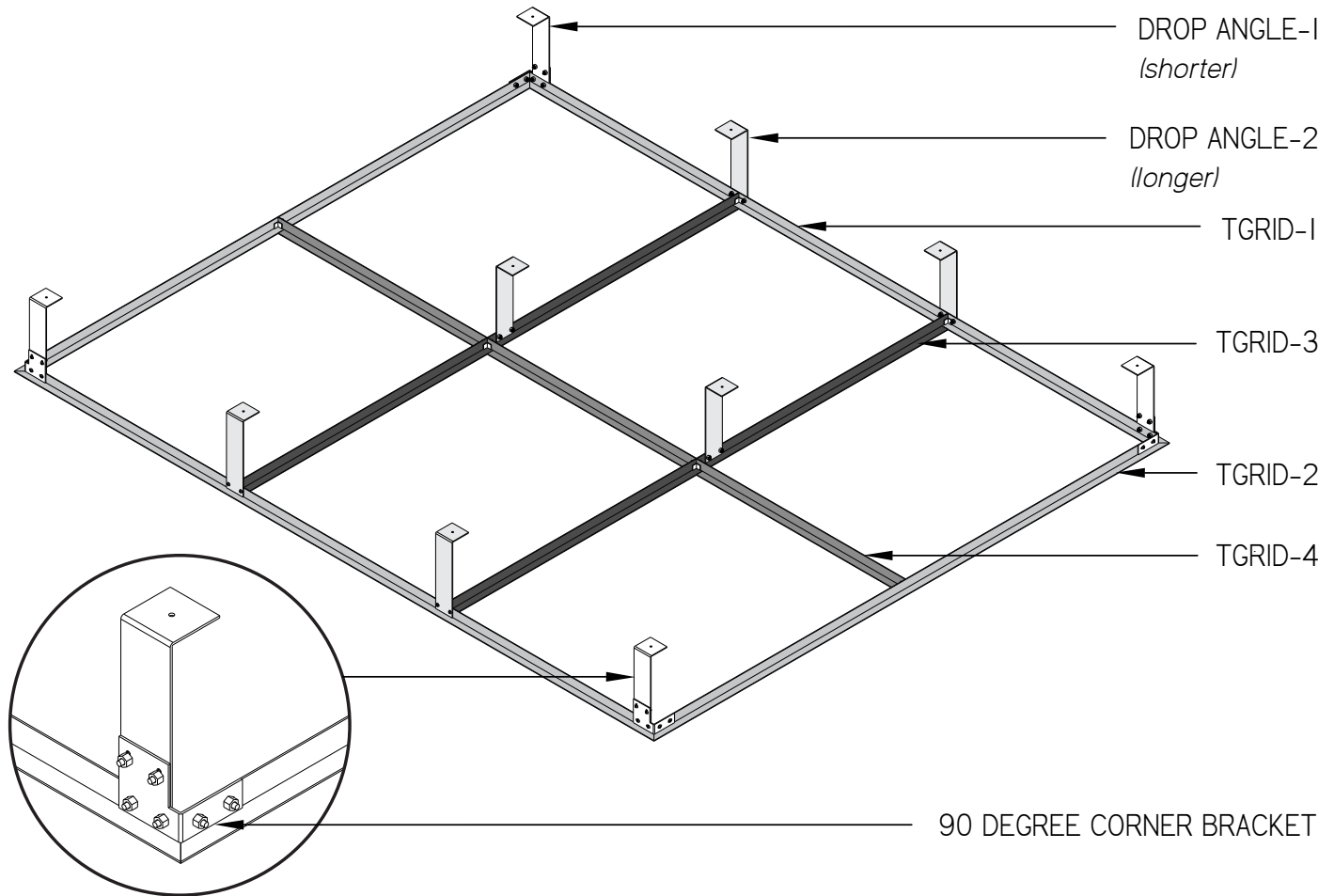


# CabArray™ Canopy Mounted Grid Ceiling Installation Guide

## Ceiling Components



## Preparation

### Complete Cab Interior Wall Panel Installation

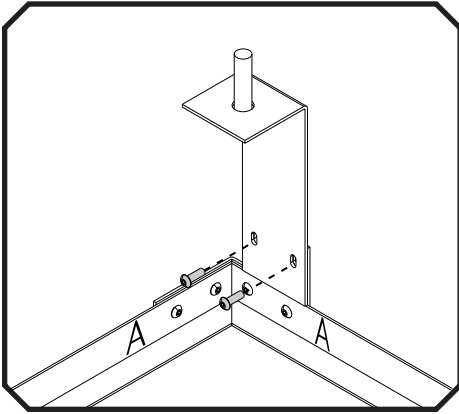
If wall panels are also being installed, complete these interior elements prior to CabArray™ ceiling installation, including all reveals and friezes. This guide will walk you through the ceiling installation process once the cab interior is complete.

### Prior to Ceiling Installation

- Ensure no equipment or wiring is present in locations where attachment flanges penetrate the shell wall or canopy
- Carefully unpack ceiling components and verify contents per packing list and field print layout - aluminum T-grid, corner brackets, Drop Angle-1 and 2, lay-in panels, fasteners and shims (extra washers)
- **Use extra caution with T-Grid bars as mitered edges are very sharp**
- Organize materials by type for efficiency (use washers to level in uneven cabs)
- Locate markings (A, B, C, D) on the (4) outside aluminum frame T-grid parts. These are assembly guides for correct corner pairing.

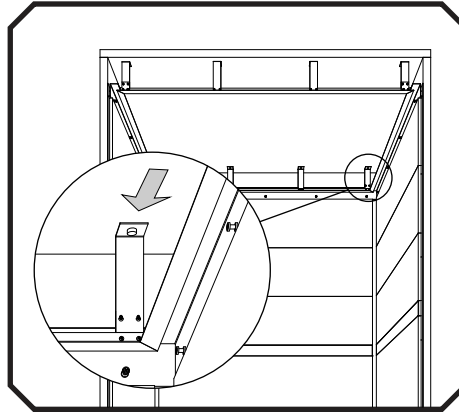
## Installation Instructions

**\*\* T-Grid bar mitered edges are very sharp - please use caution when handling \*\***



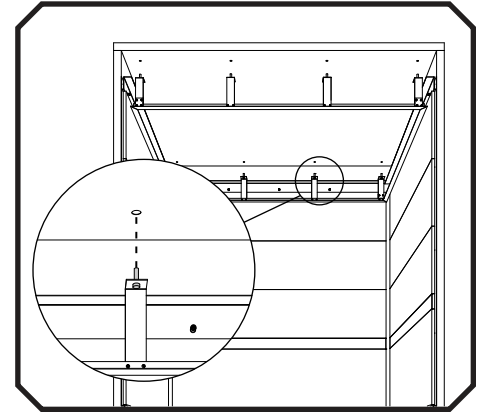
### Assemble Ceiling Frame

- On a clean, flat surface, lay out the aluminum frame by matching corner letters (A to A, B to B, etc.)
- Attach frame and Drop Angle-1 using the four corner brackets and supplied 8-32 bolts
- If included in your project, attach Drop Angle-2 to the sides of the frame
- Ensure fasteners are positioned outward to avoid interference with diffusers or lay-in panels



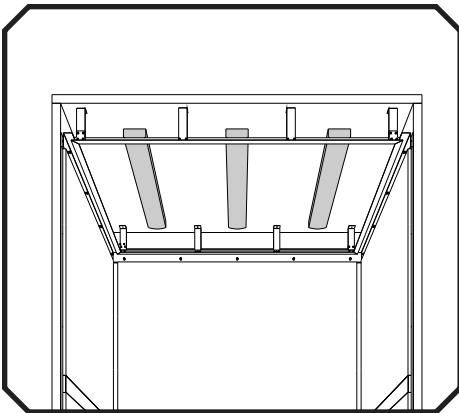
### Lift Frame and Drill

- Lift assembled frame into position and check alignment off A/B/C/D walls per field prints
- Bolts in Drop Angles are already attached and intended to stay in place
- Mark hole locations on the canopy against Drop Angle-1 and set aside ceiling frame
- Drill through the canopy at Drop Angle-1 locations, avoiding damage to items above the cab



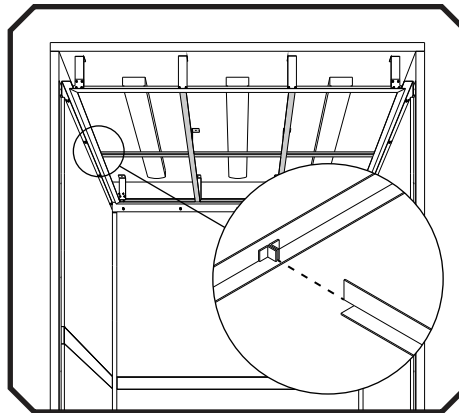
### Securing the Frame

- Lift ceiling frame into place, inserting Drop Angle-1 bolts through drilled holes in canopy
- Fasten ceiling using supplied washers and nuts through canopy (on car top)



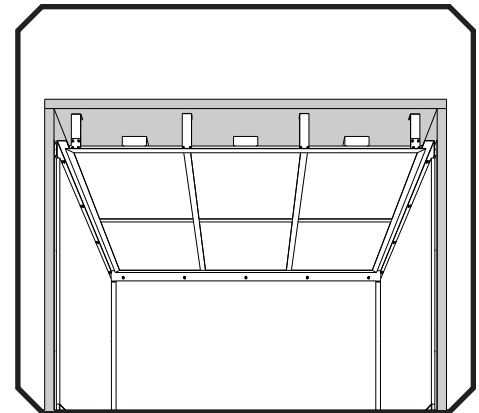
### Install Cab Lighting

- Check project drawings for recommended lighting locations of LED wraparounds (if applicable)
- Downlight lay-in panels require power supply box to be mounted on car top using supplied install kit
- Follow code requirements to install all lighting fixtures



### Attach Interior T-Grid and Panels

- Attach T-Grid bars starting with T-Grid 3 across width of ceiling, sliding notched ends into frame angles. T-Grid 4 then attaches perpendicular
- Drop in white diffuser / lay-in panels per supplied field prints
- **(If applicable for Man-d-Tec lighting)** Plug in quick connects from power supply to downlights in each panel ensuring red connections are placed properly for Emergency lighting locations



### Inspect Installation

- The last ceiling panel to be plugged in should be below the escape hatch. Connect from the car top, if necessary
- Verify all brackets are securely fastened and the frame stable and level
- Ensure diffusers are free of gaps
- Clear the installation area of debris and remove protective tape from the T-Grid framework