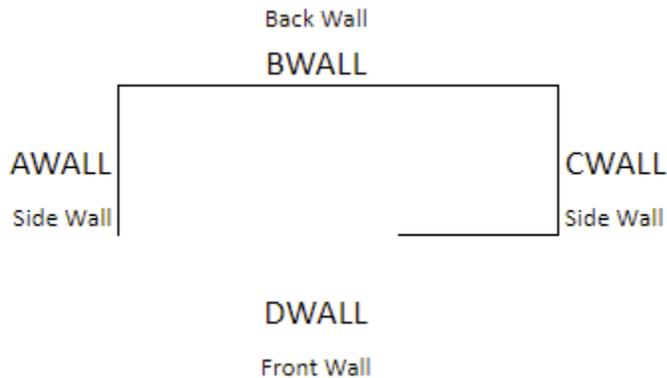


CabArray Performer w/Executive Ceiling Installation Guide

Preparation

1. **Watch Preparatory Videos:** Before starting, it is helpful to view the 'How to Measure and Prepare for Installation', 'How to Install Horizontal Panel Systems', and "CabArray Stage Installation" videos on the [Cabworks YouTube Page](#).
2. **Hoistway Interference:** Always confirm that there are no objects in the that can be damaged when using drills, cutting tools, or fasteners through the cabshell wall panels and canopy panels.
3. **Installation kits:** Cabworks provides the hardware needed for standard metal and wood cabshells. It is not possible for Cabworks to provide hardware for all conceivable installation circumstances. We do our best and if there is something we can do to help, please let us know, it is our goal to make these installations as seamless as possible.
4. **Wall Labeling:** Cabworks has created the following system for labeling of the specific elevator walls to eliminate confusion between left-handed and right-handed. The elevator world references it one way while architects and owners tend to do the opposite.



Wall Base Panels and Front Reveal Installation

1. **Check for Ventilation Slots:** Ensure there are ventilation slots behind the base location. If not, drill or cut holes following ASME 17.1 code.
2. **Measure and Mark:** Measure the BWALL to find the center point and mark it near the bottom about 6" above the finished floor or AFF (Above Finish Floor).
3. **Level and Shim:** Cabshell walls can be bowed and damaged, if you do not plan for this it could cause installation problems as you interlock one panel with the panel next to, above or below it. Use a level to identify any large dents or bows and mark them on the wall and what depth they are such as 1/8" etc. As you install panels you can easily insert a shim in these problem areas. The shim provided in the hardware installation kits are Blue= 1/16" Red= 1/8" Black= 1/4"
4. **Front corner reveals:** Install both AWALL and CWALL front corner reveals. These are identical parts and are labeled RVL-Front. Make sure you clean and prepare the wall if you choose to use adhesives. Use the attachment holes provided to attach reveals to cabshell walls with provided fasteners. The installation hardware kits provide several different fasteners for different cabshell types. Adhesives are good to use to eliminate any possible vibrations in the future but are not required.
5. **Place Air Gap Shim:** Place a 3/8-inch air gap shim on the finished floor or **even with the top of the sill!**
6. **Attach Back Wall Base:** Set the BWALL BASE part on top of the air gap shim, align its center with centerline of the BWALL and attach it to the wall using the provided fasteners from the installation hardware kits.
7. **Attach Side Wall Bases:** Set the correct AWALL BASE or CWALL BASE parts on top of the provided 3/8" air-gap shim, press parts against side walls and slide base towards DWALL wall (front wall) until it is approximately 1/16" from the front wall, the blue shim provided in the installation kits are exactly 1/16" of an inch. **NOTE: If the cab**

is out of square, it could cause spacing issues, installing a shim behind the backwall base can close these gaps to ensure a high quality installation.

First -Row Wall Clip Installation

8. **Install Wall Clips:** Place the wall clip named, BWALL BRKLYN_WALLCLP #4 on top of the first-row clip spacer, this sets the correct height of the clip on BWALL. The first-row clip spacer or clip jig, for all designs using our standard CabArray formed base system, rests directly on top of the CabArray formed base. Align the center line of the clip with the center line of the back wall and fasten it to the cab shell. The number of wall clips is determined by the design and is shown on the drawings provided for the project.
9. **Install Sidewall Clips:** Follow the same procedure for sidewall wall clips.

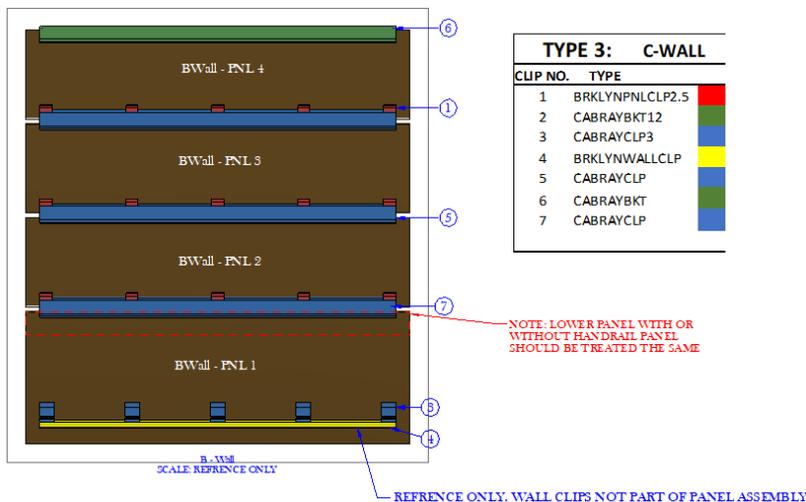
Panel Installation

10. Back Wall Lower Panel:

- Take the panel marked BWALLPNL1, Slide the panel down so the bottom row of panel clips engage with the wall clips for bottom support.
- Use 1/4" Black shim provided to maintain a 1/4" gap between the top of the base and the bottom of the panel.
- Attach the CabArray Clip along the top of the panel to the cab shell. *For every panel you install, if cabshell is bowed shim at the CabArray clips, this will stop rattling and insure proper alignment with other panels. Watch YouTube videos for demonstrations, [Cabworks YouTube Page](#).*
- If a handrail is required and is not attached directly to the bottom panels you will install the handrails when called for in later steps.

11. Back Wall Panels 2-4:

- Take the panel marked BWALLPNL2, Slide the panel down so the bottom row of panel clips engage with the wall CabArray Clip that extends up from BWALLPNL1. *It can be helpful to place a shim between the panels prior to attaching to the wall. Landing the panels on a shim, prior to attachment creates a perfect reveal for every panel. There are shims of all sizes in the installation kits including 2" x 3" pieces of plastic laminate for the designs where no reveal is shown (1/32" is considered no reveal).*
- Attach the CabArray Clip along the top of the panel to the cab shell. *For every panel you install, if cabshell is bowed shim at the CabArray clips, this will stop rattling and insure proper alignment with other panels. Watch YouTube videos for demonstrations, [Cabworks YouTube Page](#).*
- Repeat this step for the remaining BWALLPNL3 and BWALLPNL4.



12. Back Wall Corner Reveals:

- Install L-shaped corner reveals with mounting tabs facing the front wall.

- Tuck the reveal behind the back wall panel and attach it to the sidewalls of the cab shell using fasteners.

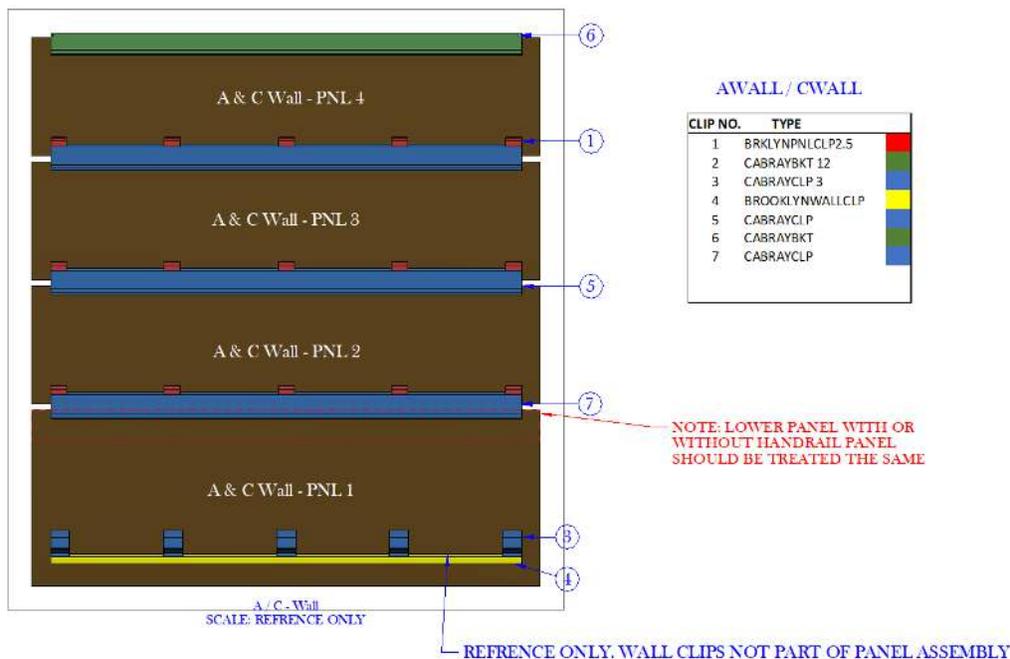
13. Back Wall Frieze:

- Install the back wall frieze immediately to ease the process of installation.
- Rest the frieze on top of the back wall panel and secure using decorative screws through the pad studs. These can be attached using thru-bolts, threaded inserts, or self-tapping screws, whatever is best for the specific project conditions.

14. Sidewall Lower Panels:

It is the same process for AWALL and CWALL panels as BWALL panels. The AWALL and CWALL image below is showing the clip and bracket locations.

- Take AWALLPNL1 slide the panel down so the bottom row of panel clips engages with the wall clip for bottom support.
- Use 1/4" Black shim provided to maintain a 1/4" gap between the top of the base and the bottom of the panel.
- Attach the CabArray Clip along the top of the panel to the cab shell. *For every panel you install, if cabshell is bowed shim at the CabArray clips, this will stop rattling and insure proper alignment with other panels. Watch YouTube videos for demonstrations, [Cabworks YouTube Page](#) .*
- If a handrail is required and is not attached directly to the bottom panels you will install the handrails when called for in later steps.



15. Side Wall Panels 2-4:

- Take the panel marked AWALLPNL2, Slide the panel down so the bottom row of panel clips engage with the wall CabArray Clip that extends up from BWALLPNL1. *It can be helpful to place a shim between the panels prior to attaching to the wall. Landing the panels on a shim, prior to attachment creates a perfect reveal for every panel. There are shims of all sizes in the installation kits including 2" x 3" pieces of plastic laminate for the designs where no reveal is shown (1/32" is considered no reveal).*
- Attach the CabArray Clip along the top of the panel to the cab shell. *For every panel you install, if cabshell is bowed shim at the CabArray clips, this will stop rattling and insure proper alignment with other panels. Watch YouTube videos for demonstrations, [Cabworks YouTube Page](#) .*
- Repeat this step for the remaining AWALLPNL3 and AWALLPNL4.

16. Side Wall Frieze:

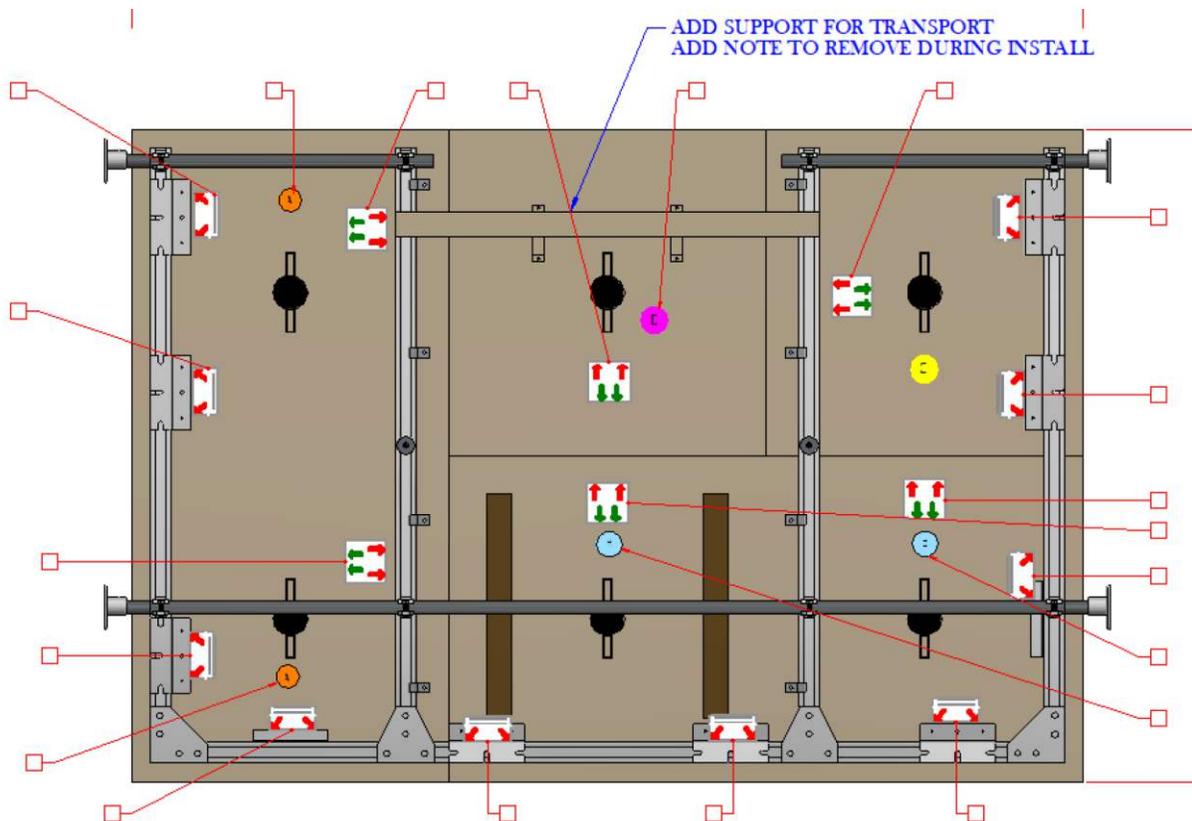
- Rest the AWALL-FRZ frieze part on top of the side wall panel and secure using decorative screws through the pad studs. You may need to slide the Frieze slightly forward or backward to account for an out of square cab. These can be attached using thru-bolts, threaded inserts, or self-tapping screws, whatever

is best for the specific project conditions. **NOTE: If the cab is out of square, it could cause spacing issues, installing a shim behind the backwall frieze can close these gaps to ensure a high-quality installation.**

Executive Ceiling Installation Manual for CabArray Cab Interior

Pre-Installation Checks

- Ensure no equipment or wiring is present in locations where attachment flanges or hanging rods penetrate the shell wall or canopy.
- Carefully unpack the ceiling components. **Do not remove** the “Z” brackets as they are crucial for ease of installation. All permanent brackets are identified with labeling on the ceiling substrates for clarification. The escape hatch and all the P2360’s should be removed from the ceiling frame. The frame is installed without the finished panels. The ceiling panels have arrows indicating the direction needed to slide them off the ceiling frame. Remove them and set them to the side where they will not get damaged or be in the way.



Installation Steps

1. Preparing the Ceiling Frame

- Begin by adjusting the ceiling attachment flanges. Extend them so that the flange feet are 5 inches from the edge of the ceiling frame and snug using set screws.

- Loosen the pipe set screws on the back and opposite sides of the frame for easier adjustments later in the process.

2. Positioning the Ceiling Frame

- Place ceiling-height-spacer blocks atop the AWALL and CWALL frieze vision flanges.
- Lift the frame, resting the attachment pipes on the spacer blocks, and slide the flange feet towards AWALL or CWALL.
- Repeat the process for the opposite sidewall and BWALL (if provided) ensuring the frame is aligned correctly. In typical installations the frame should be

3. Securing the Frame

- Verify the frame's distance from the cab shell wall (typically 5 inches but refer to your specific drawings).
- Secure the attachment bracket to the cab shell using #14 screws.
- **Top Tip:** For vent slots, consider using toggle bolts or through-bolting for additional security.

4. Aligning and Fixing the Frame

- Ensure the frame's distance to each sidewall is equal and correctly positioned.
- Secure the right side of the frame following the same procedure as the left.
- Replace set screws with self-tapping screws in the round ceiling attachment pipes to lock them in place.

5. Additional Bracket Installation

- If required, secure the BWALL bracket using #14 screws. These are not typically provided.
- Install (2) threaded rod hanging brackets, these can align anywhere along the Unistrut frame. We recommend locating them towards the center of the car, making sure they do not interfere with escape hatch installation or removal.
- Always consider cartop equipment and wiring when drilling through the canopy.

6. Ceiling Power Supply Installation

- **Note:** This step requires a trained elevator service technician.
- The power supply includes a battery backup, dimmer control, and requires a 120V AC circuit.

7. Installing Ceiling Panels

- Begin with the right-side panel (Panel A), sliding it onto the frame using the “Z” brackets.
- Secure the panel using clamps and P2360 clips as indicated in the drawings.
- Repeat the process for Panel B, ensuring alignment and secure fitting.
- Temporarily place Panel D on the green felt strips above the ceiling for ease of Panel C installation.
- Install Panel C using the same method, reusing the P2360 clips.

8. Finalizing the Installation

- Connect and test the lights, including the battery backup circuit.
- Secure the escape hatch, adjusting attachment plates or angles if necessary.
- Slide Panel D into place and secure it along with the escape hatch using provided hardware.
- Install thumb screws and engage any latches for the escape hatch.

9. Finishing Touches

- Remove the protective film from the panels.
 - Clean off any dust or fingerprints for a polished look.
 - There are Stainless Steel polish and other cleaning items provided with our Installation kits.
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INSTALL HANDRAILS

Important Reminders

- Always refer to specific drawings for accurate measurements and configurations.
- Be mindful of cab squareness and make necessary adjustments.
- Regularly check for alignment and secure fitting throughout the installation process.

Safety First

Ensure all safety protocols are followed during installation, particularly when working with electrical components and at heights. We always recommend using International Union of Elevator Constructors for your elevator projects.

Cabworks Custom Elevators, Inc. is committed to providing innovative, customer-focused solutions with an emphasis on safety, comfort, and aesthetic appeal. For further assistance or queries, please contact our support team 1-773-588-1731 or contact your sales representative. You can always visit our website at <https://www.Cabworks.com>.