

**BOH SOLUTIONS OPERATION MANUAL
(INCLUDING REPAIR PARTS)
EXPEDITIONARY JOINT OPERATIONS CENTER (EJOC®)**

**CHAPTER 2
OPERATOR INSTRUCTIONS**

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OPERATOR INSTRUCTIONS

BOH SOLUTIONS OPERATION MANUAL (INCLUDING REPAIR PARTS) EXPEDITIONARY JOINT OPERATIONS CENTER (EJOC®)

SETUP AND PREPARATION

MODES OF OPERATION

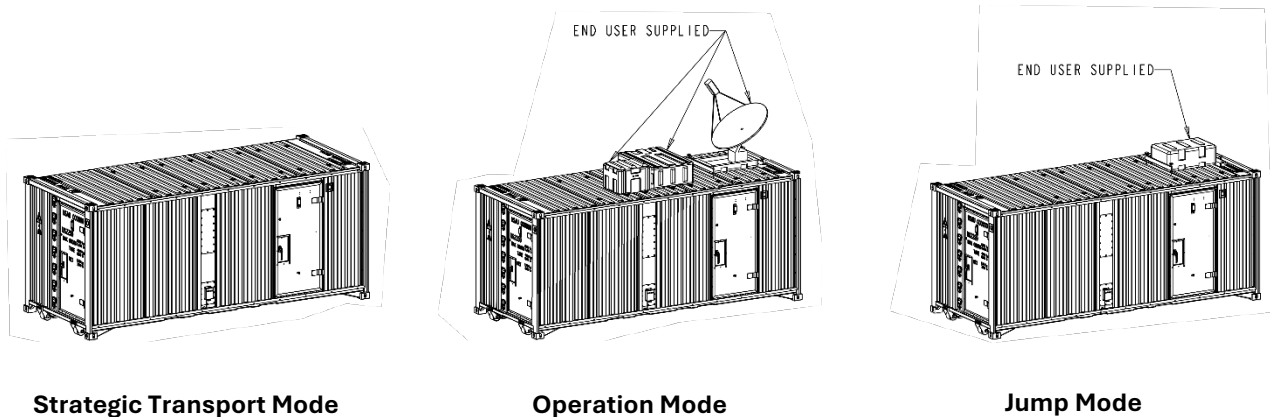
The EJOC is designed to operate in three distinct modes: Strategic Transport Mode, Operation Mode, and Jump Mode. Each mode is intended for specific scenarios and requires certain preparations for safe and efficient operation or transportation.

Strategic Transport Mode: This mode is used when preparing the EJOC for long-haul transportation, such as by sea, rail, or airlift. In this configuration, all equipment must be securely fastened, and additional measures must be taken to safeguard the unit against the stresses of extended travel. Strategic transport mode requires the removal of any equipment from the roof to ensure safe transit.

Operation Mode: This is the active, fully deployed configuration of the EJOC. All systems are set up and ready for operational use, with workstations, equipment, and infrastructure arranged for immediate command and control activities.

Jump Mode: Jump mode is intended for short-distance relocations during everyday operations. It allows the EJOC to be quickly repositioned without extensive disassembly. While most equipment remains secured, the transition to jump mode is streamlined to reduce downtime between moves.

Each mode has specific requirements for securing equipment and ensuring readiness during transit, ensuring safe and efficient movement of the EJOC.



Strategic Transportation or Jump Mode to Operation Mode

The following tasks must be completed to transition the EJOC to Operations Mode:

1. **Inspect the Site:** Begin by inspecting the site and removing any rocks, roots, or debris that could prevent the container from being placed on a firm, level surface.
2. **Position Near Service Connections:** Ensure the EJOC is positioned close to electrical and communications service connections located on the streetside (comms) and curbside (power) of the container for easy access.
3. **Connect External Power:** Connect the external power supply to the EJOC's exterior power box. Before connecting, inspect all cables to ensure they are in proper working order and free from any damage that may have occurred during transit. Ensure all connections are secure before powering on. Refer to EJOC Electrical Connection on page 0008 00-1.

WARNING



The EJOC must only be connected, disconnected, and serviced by a certified electrical technician. Failure to follow this guideline may result in serious injury, equipment damage, or electrical hazards.

4. **Unlock Doors:** Open the doors by disengaging the deadbolt and move door handle to the open position. Refer to the Door Operation on page 0006 00-6.

WARNING



Exercise caution when entering the EJOC after transport. Materials stored inside may have shifted, moved, or come loose during transportation, creating potential hazards.

5. **Switch On Breakers:** Turn on all electrical breakers to restore power to the EJOC. EJOC Electrical Connection on page 0008 00-1.
6. **Turn On Lights:** Activate the light switch located at the rear of the container. Additional information can be found in the Lights section. Refer to Lighting Systems on page 0008 00-4.
7. **Deploy HVAC Unit:** Open the HVAC access door at the front of the container. Release the six T-bolts securing the unit from the interior and fully extended unit. Refer to the HVAC section for full instructions. Refer to the Door Operation on page 0006 00-8.
8. **Mount Roller Wheels:** If roller wheels were removed during the EJOC download return and secure roller wheels to the provided mount located on the lefthand side of the curbside door. Refer to the Installing/Removing Rear Roller Assembly on page 0007 00-7.
9. **Set Up Interior Equipment:** Unlock and arrange all shelves, chairs, and other interior equipment. Plug any necessary devices into the electrical outlets to prepare the EJOC for operation. Refer to Ratchet Strap Operation on page 0006 00-16.

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10. **Install Roof Equipment:** If applicable, install all roof mounted equipment. Refer to the Operation of Roof Access System on page 0006 00-13 and Roof Mounted Equipment on page 0006 00-14

WARNING



Fall hazards exist when climbing onto, returning from or working from the top of the container. Always maintain three points of contact to the ladder and EJOC when climbing onto the container. Never move, step, or walk backwards when working on top of the system. All movement should be in the forward direction. A fall can occur if the worker loses concentration and steps backwards off of the edge. Stand erect only if necessary and only away from the edge. Working from a kneeling position helps reduce the threat of a fall.

11. **Connect Communications Cables:** If applicable, connect all communications or similar cables through the EJOC's pass-through inlet. Remove the external covers on the street side of the container and feed the cables through the pass-through inlet. Use the provided vinyl sleeves to secure the cables and minimize air leaks inside the container. Refer to the Operation of Communication Inlets on page 0006 00-15
12. **Perform Final Interior Inspection:** Remove any loose materials and debris from the interior, ensuring the container is clean and ready for operation.

Operation Mode to Strategic Transportation Mode

The following tasks must be completed to transition the EJOC to Strategic Transport Mode:

1. **Remove Loose Materials and Clean Interior:** Remove all loose materials from inside the container. Perform a thorough cleaning and inspection of the interior to ensure it is free of debris.
2. **Inspect and Clean Locking Devices:** Sweep or wipe clean all locking devices, shelves, drawer latches, and door edges to remove any debris. Inspect each component to ensure proper functionality before securing the EJOC. Refer to the Cleaning Table in Chapter 4 page 0014 00-1.
3. **Lubricate Moving Parts:** Lubricate all moving parts, including locks, latches, hinges, and devices. This step is particularly important before long-term storage or shipment. Refer to the Cleaning and Lubrication Tables in Chapter 4 page 0014 00-1 and 00-2
4. **Disconnect and Remove Communications Cables:** Disconnect and remove any communications or similar cables utilizing the EJOC's pass-through inlet. Ensure the external covers on the street side of the container are put securely back in place. Refer to the Operation of Communication Inlets on page 0006 00-15
5. **Remove Roof Equipment:** Remove all equipment mounted on the roof of the EJOC. Refer to the Operation of Roof Access System on page 0006 00-13 and Roof Mounted Equipment on page 0006 00-14

WARNING



Fall hazards are present when climbing onto, descending from, or working on top of the EJOC container. Always maintain three points of contact with the ladder and EJOC when climbing. At no time should the ladder be climbed with objects in hand. When working on top of the system, never move, step, or walk backward; all movement

should be in a forward direction. A fall can occur if concentration is lost and a worker steps backward off the edge. Only stand upright if necessary, and always away from the edge. Working from a kneeling position significantly reduces the risk of falling.

6. **Secure Interior Equipment:** Ensure all shelves, chairs, and other stowed equipment are locked and secured with the provided locking devices. Unplug all equipment from the electric outlets. Refer to Ratchet Strap Operation on page 0006 00-16.
7. **For HEMTT-PLS or Similar Vehicle Transport Only:** If transporting the EJOC with a HEMTT-PLS or similar vehicle, remove the roller wheels from the roller wheel mounts and install them on the rear of the container. Refer to the Installing/Removing Rear Roller Assembly on page 0007 00-7.
8. **Secure HVAC Unit:** Turn off the HVAC unit and fully retract it into the EJOC. Secure the HVAC unit using the six provided T-bolts and ensure the HVAC access door at the rear of the container is closed and locked. Refer to the Door Operation on page 0006 00-11.
9. **Turn Off Lights:** Turn off the light switch located at the rear of the container. See the **Lights** section for further information. Refer to Lighting Systems on page 0008 00-4.
10. **Switch Off Breakers:** Ensure all electrical breakers are switched to the "off" position. EJOC Electrical Connection on page 0008 00-1.
11. **Lock Doors:** Close the doors and ensure the door handle is in the locked position. Engage the deadbolt for additional security. Refer to the Door Operation on page 0006 00-11.
12. **Disconnect External Power:** Disconnect the external power supply from the EJOC. Ensure all cables are neatly stowed inside the power box before securely closing and locking it. EJOC Electrical Connection on page 0008 00-1.

WARNING



The EJOC must only be connected, disconnected, and serviced by a certified electrical technician. Failure to follow this guideline may result in serious injury, equipment damage, or electrical hazards.

Operation Mode to Jump Mode

The following tasks must be completed to transition the EJOC to Jump Mode:

1. **Remove Loose Materials and Clean Interior:** Remove all loose materials from inside the container. Perform a thorough cleaning and inspection of the interior to ensure it is free of debris.
2. **Inspect and Clean Locking Devices:** Sweep or wipe clean all locking devices, shelves, drawer latches, and door edges to remove any debris. Inspect each component to ensure proper functionality before securing the EJOC. Refer to the Cleaning Table in Chapter 4 page 0014 00-1.
3. **Disconnect and Remove Communications Cables:** Disconnect and remove any communications or similar cables utilizing the EJOC's pass-through inlet. Ensure the external covers on the street side of the container are put securely back in place. Refer to the Operation of Communication Inlets on

page 0006 00-15

4. **Secure Roof Equipment:** Ensure all equipment mounted on the roof of the EJOC is secure using end-user supplied tie-down devices. All equipment not stored in a transit case or over 36" high should be removed. Refer to the Operation of Roof Access System on page 0006 00-13 and Roof Mounted Equipment on page 0006 00-14

WARNING



Fall hazards are present when climbing onto, descending from, or working on top of the EJOC container. Always maintain three points of contact with the ladder and EJOC when climbing. At no time should the ladder be climbed with objects in hand. When working on top of the system, never move, step, or walk backward; all movement should be in a forward direction. A fall can occur if concentration is lost and a worker steps backward off the edge. Only stand upright if necessary, and always away from the edge. Working from a kneeling position significantly reduces the risk of falling.

5. **Secure Interior Equipment:** Ensure all shelves, chairs, and other stowed equipment are locked and secured with the provided locking devices. Refer to Ratchet Strap Operation on page 0006 00-16.
6. **For HEMTT-PLS or Similar Vehicle Transport Only:** If transporting the EJOC with a HEMTT-PLS or similar vehicle, remove the roller wheels from the roller wheel mounts and install them on the rear of the container. Refer to the Installing/Removing Rear Roller Assembly on page 0007 00-7.
7. **Secure HVAC Unit:** Turn off the HVAC unit and fully retract it into the EJOC. Secure the HVAC unit using the six provided T-bolts and ensure the HVAC access door at the rear of the container is closed and locked. Refer to the Door Operation on page 0006 00-6.
8. **Turn Off Lights:** Turn off the light switch located at the rear of the container. See the **Lights** section for further information. Refer to Lighting Systems on page 0008 00-4.
9. **Switch Off Breakers:** Ensure all electrical breakers are switched to the "off" position. EJOC Electrical Connection on page 0008 00-1.
10. **Lock Doors:** Close the doors and ensure the door handle is in the locked position. Engage the deadbolt for additional security. Refer to the Door Operation on page 0006 00-6.
11. **Disconnect External Power:** Disconnect the external power supply from the EJOC. Ensure all cables are neatly stowed inside the power box before securely closing and locking it. EJOC Electrical Connection on page 0008 00-1.

WARNING

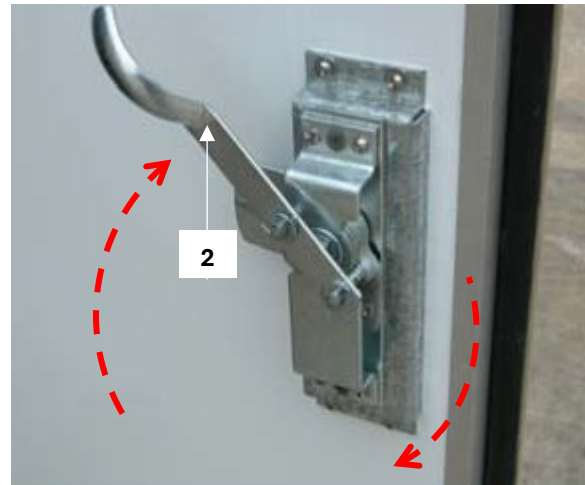
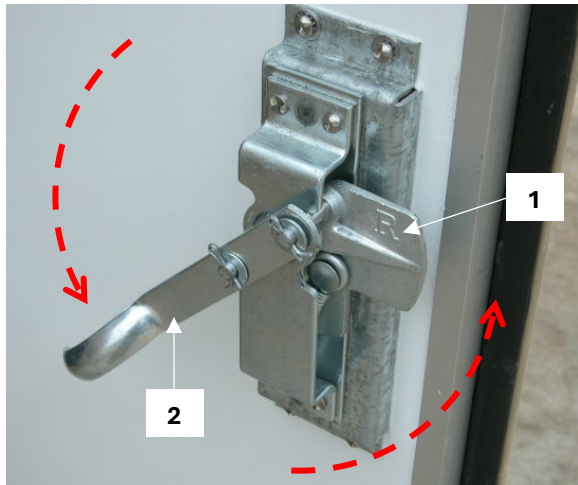


The EJOC must only be connected, disconnected, and serviced by a certified electrical technician. Failure to follow this guideline may result in serious injury, equipment damage, or electrical hazards.

DOOR OPERATION

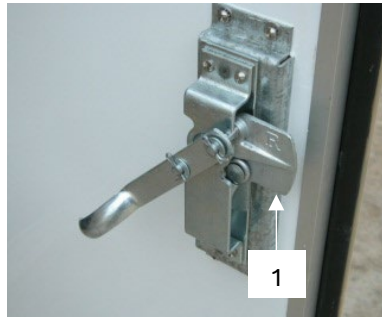
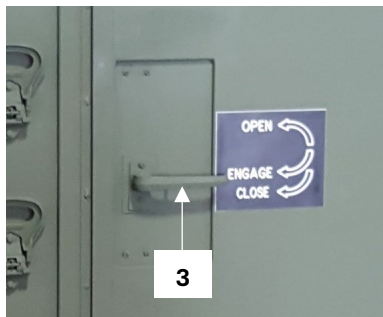
Operation of Interior Door Handle

1. To engage the door lock blade [1], rotate the handle [2] downward.
2. To open the door and retract the door lock blade [1], rotate the door handle [2] upward.



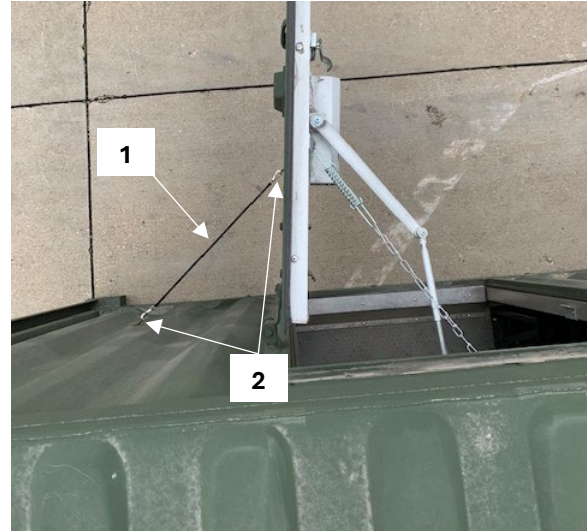
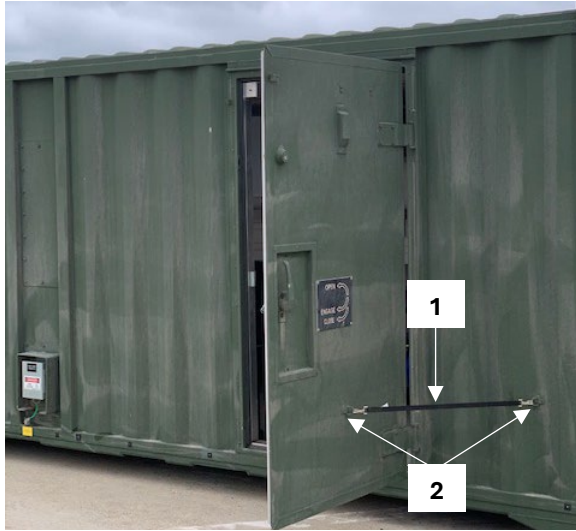
Locking the Door

1. To engage the interior lock blade [1] with the door closed, rotate the handle [3] downward 90 degrees to the engage position.
2. Return the handle [3] to the center position.
3. To engage the door handle lock piston, rotate the key counterclockwise, and push the key and lock set inward until engaged in the plate socket



Additional Door Features

Door Securing Option: If the door needs to remain open, use the provided tie-down strap [1] located on the interior of the EJOC, to the right of the door opening. The strap connects to D-rings [2] on both the exterior of the door and the container, securely holding the door in place and ensuring safe, convenient access during operations.



Enhanced Security Option: The EJOC features a padlock eyelet, allowing the door to be secured with an end-user-supplied padlock. This provides additional security, ensuring the container remains locked and its contents protected when not in use.



DEPLOYING AND SECURING HVAC UNIT

Procedure for Moving HVAC into Operating Position

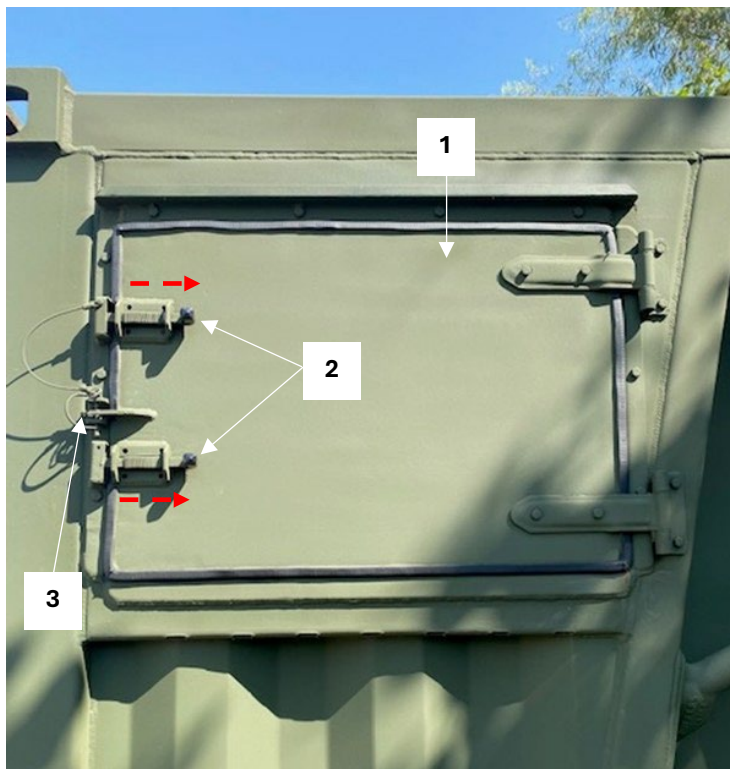
The EJOC is equipped with an HVAC unit located at the front of the container, adjacent to the bail bar, and protected by a ruggedized access door. The HVAC is mounted on slides, allowing it to be deployed into the operating position. An exterior access door [1], secured by latches [2], provides protection for the HVAC unit during shipment or storage.

CAUTION



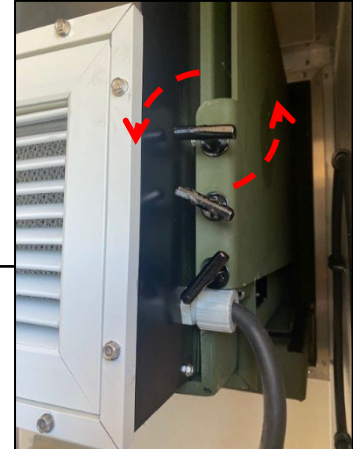
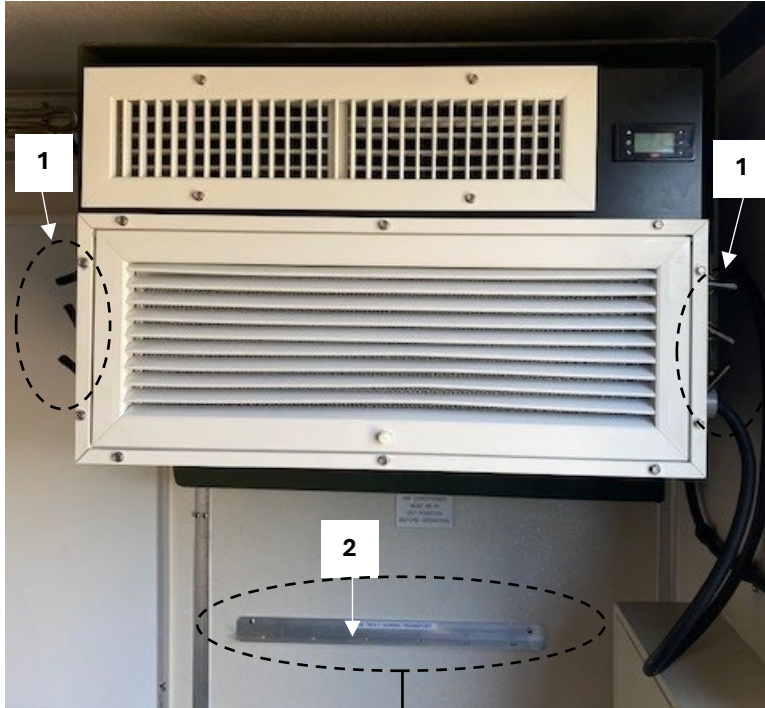
Do not attempt to operate the HVAC without opening the access door and pushing out the unit to the operating position. Overheating will result if the unit is operated in the stowed position.

1. Begin by locating the HVAC access door on the exterior of the container, positioned at the front of the container, adjacent to the bail bar. To open the door, the securing pin [3] must be pulled free before proceeding.

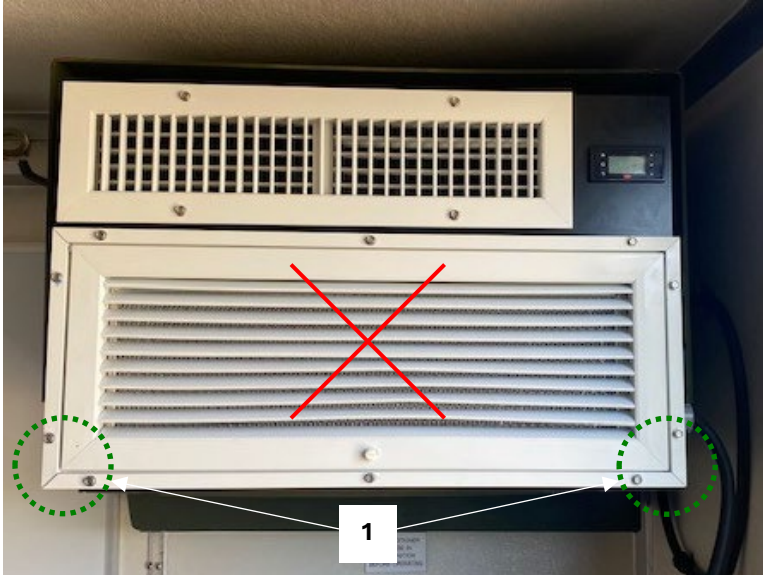


2. Next, the two spring latches [2] must be pulled toward the hinges (right) of the access door to release the door.

3. Proceed to the interior of the container and locate the HVAC unit. The unit is secured by six T-bolts [1] during transit, with three positioned on the left and three on the right. To deploy the HVAC unit, the T-bolts must be loosened by rotating them counterclockwise and then removed from the bracket. Once removed, place the T-bolts in the designated T-bolt holder [2] for safekeeping.



4. After removing the T-bolts, firmly push against both bottom corners of the HVAC unit's frame [1]. Ensure the unit is pushed evenly on both sides to properly engage the slide catches [2] located on the upper left and right slides. Apply consistent force to secure the unit into the operating position.



CAUTION



Users should only push against the HVAC frame [1]. Failure to comply could cause equipment damage, especially when pushing against the HVAC louvers.



CAUTION



Once the slide catches [2] are locked out, the weather seals should be engaged. Failure to comply could cause rainwater intrusion and possible damage to equipment.

PROCEDURE FOR MOVING HVAC INTO STOWED POSITION

1. Begin inside the EJOC, ensuring that the HVAC unit is turned off and not running before attempting any further steps.

CAUTION



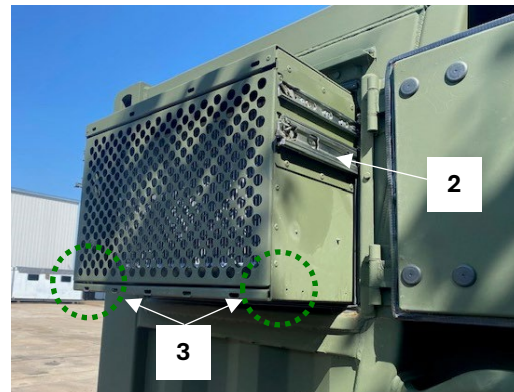
Do not attempt to operate the HVAC without opening the access door and pushing out the unit to the operating position. Overheating will result if the unit is operated in the stowed position.

2. Proceed outside the container at the extended HVAC unit. With two personnel, simultaneously press and hold the left and right slide catch latch buttons [1] located on the slides. Once the buttons are engaged, gently nudge the HVAC unit to initiate movement into the slide assembly. After the catch latches are fully inside the slide assembly [2], the HVAC unit should move freely into the retracted position. Processed to the rear HVAC unit firmly push the bottom left and right corners of the HVAC unit [3] until it is fully retracted [4], ensuring no part of the unit extends beyond the container.

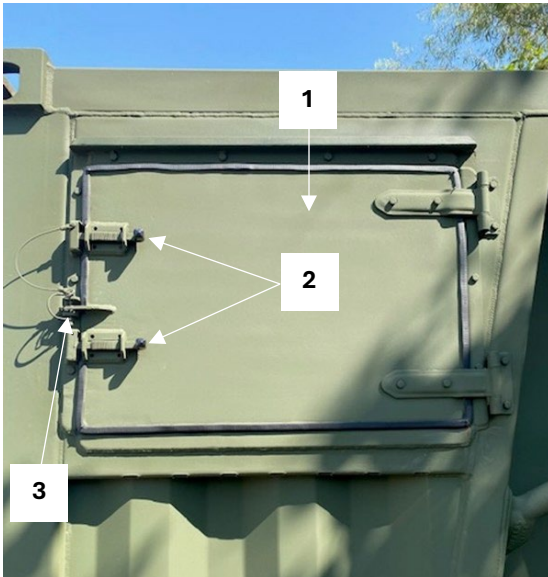
WARNING



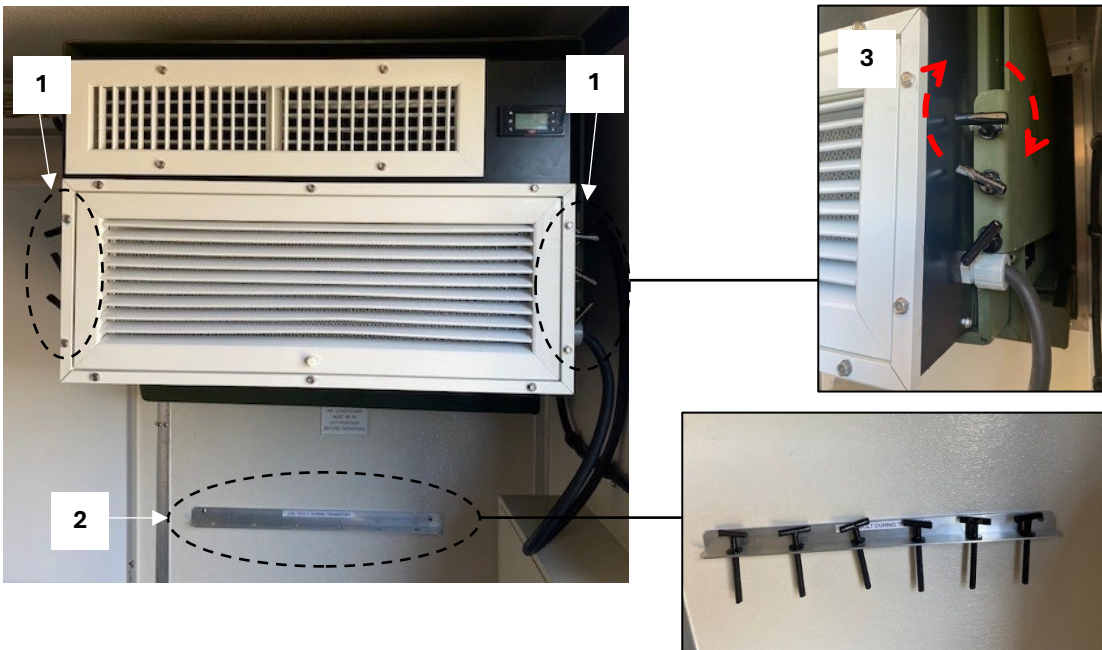
Be extremely careful when pressing the slide release buttons and pushing in the HVAC unit. Failure to comply could create a potential pinch hazard.



- Next, close the HVAC access door [1] until both latches [2] are fully engaged. Then Insert the securing pin [2] within the bracket provided.



- Proceed to the interior of the container and locate the HVAC unit. The unit is secured during transit by six T-bolts [1], with three positioned on the left and three on the right. The T-bolts should be stored in the T-bolt holder [2] located below the HVAC unit. To secure the HVAC unit, retrieve the T-bolts and insert them into the corresponding holes on both sides—three on the left and three on the right. Rotate each T-bolt clockwise [3] until hand-tight to ensure the unit is firmly secured for transit.



OPERATION OF ROOF ACCESS SYSTEM

The Roof Access System features seven retractable steps [1] located at the end of the EJOC, providing easy access to the roof. A handle on the roof [2] ensures three-point contact for enhanced safety while climbing.

WARNING



Fall hazards are present when climbing onto, descending from, or working on top of the EJOC container. Always maintain three points of contact with the ladder and EJOC when climbing. At no time should the ladder be climbed with objects in hand. When working on top of the system, never move, step, or walk backward; all movement should be in a forward direction. A fall can occur if concentration is lost and a worker steps backward off the edge. Only stand upright if necessary, and always away from the edge. Working from a kneeling position significantly reduces the risk of falling.



EJOC containers are marked with the following ISO marking. Its meaning is provided below:

WARNING



Overhead power lines and obstructions can cause serious injury or damage to property. Forklift operators, truck drivers and ground guides should always clear overhead when loading, unloading or accessing the roof of the containers.

ROOF MOUNTING EQUIPMENT

The roof of the EJOC is outfitted with 16 tie-down rings [1] design to secure equipment that needs to be mounted or stored on the roof during operation or jump mode operations.



WARNING



Never attempt to lift the EJO using the roof tie-down rings, as this can result in severe equipment damage and may cause serious injury or death.

The preferred method for loading or removing equipment from the roof of the EJO container is by using mechanical lift. If manual lifting is necessary, it is critical that all end-user-specific safety rules and regulations, particularly those related to manual and overhead lifting, are strictly adhered to in order to ensure the safety of personnel and equipment. Additionally, while ascending or descending the ladder, or working on the roof of the EJO, maintaining three points of contact at all times is essential to prevent falls and ensure stability.

WARNING

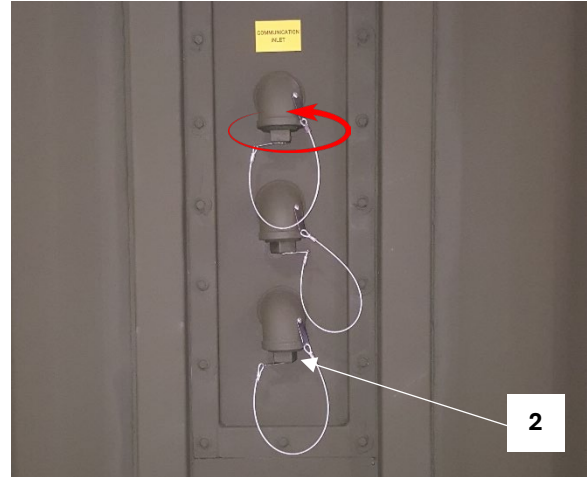


Fall hazards are present when climbing onto, descending from, or working on top of the EJO container. Always maintain three points of contact with the ladder and EJO when climbing. At no time should the ladder be climbed with objects in hand. When working on top of the system, never move, step, or walk backward; all movement should be in a forward direction. A fall can occur if concentration is lost and a worker steps backward off the edge. Only stand upright if necessary, and always away from the edge. Working from a kneeling position significantly reduces the risk of falling.

OPERATION OF COMMUNICATION INLETS

The EJOC is equipped with three communication inlets that enable communication or similar cables to be routed from the exterior to the interior of the unit.

The exterior inlets [1] are located on the street side of the container and are equipped with weather-protective covers [2]. To access the inlets, the covers must be removed by rotating them in a counterclockwise direction before use.

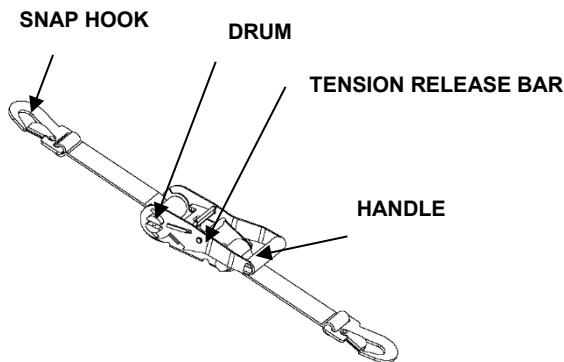


The interior inlets [1], located on the desk wall of the container, are equipped with removable vinyl protective sleeves [2]. These sleeves assist with cable management and help minimize airflow from outside the container. For optimal functionality, it is recommended that the vinyl sleeves be installed prior to feeding cables through the inlets.



RATCHET STRAP OPERATION

1. Extend the ratchet strap and fasten one snap hook end to one of the tie-down rings and extend the strap over the material to be secured until you can connect the other snap hook end to another tie-down ring on the opposite side material being secured.
2. Grasp the loose end of the blue strap and take-up the slack in the drum and strap until the strap has firm contact with the material.
3. Use the ratchet handle to tighten and add tension to secure the material.
4. To remove the straps, grasp the tension release bar and pull toward the handle.



CAUTION



1" blue ratchet straps have a 500 lb WLL (Working Load Limit). Keep in mind the strap load limits when determining the quantity and configuration of straps required for properly securing material. Exceeding the strap load limits may result in damage to equipment and possible injury to personnel.

END OF WORKPACKAGE

OPERATOR INSTRUCTIONS

BOH SOLUTIONS OPERATION MANUAL
(INCLUDING REPAIR PARTS)
EXPEDITIONARY JOINT OPERATIONS CENTER (EJOC®)

TRANSPORT AND MOVEMENT

TRANSPORTATION

The EJOC is constructed within an ISO Certified and CSC Safety Approved container, measuring 8 feet wide, 8 feet high, and 20 feet long. This platform is approved for 9-high stacking, making it suitable for primary load aboard vessels and strategic airlift operations. Its compliance with ISO and CSC standards ensures the EJOC can be safely transported and integrated into various logistics frameworks.

Designed for rapid deployment and transport, the EJOC features four sets of fork pockets for easy forklift maneuverability and simplified logistics. It is equipped with a bail bar, offering grab-and-go capability. The EJOC is fully compatible with HEMTT-LHS, PLS (with or without the Enhanced Container Handling Unit), and the M-1076 PLS Trailer (PLST), eliminating the need for a flatrack during transport. This flexibility allows the EJOC to be quickly and efficiently deployed in diverse operational scenarios.

MOVING THE EJOC USING MHE (FORKLIFT)

Site Requirements

For forklift operations, the site must have stable, firm ground with proper drainage to ensure safe movement. Adequate space is needed for maneuverability, with clear paths free of obstructions. Weather conditions, such as rain, snow, and wind, should be considered, with appropriate precautions taken for visibility and surface traction. The site should also be well-lit and marked for safe operation, and all hazards should be clearly identified to prevent accidents. Proper maintenance of forklifts and operator training for outdoor conditions are essential for safe and efficient operations, and end-user specific forklift procedures and safety regulations should be strictly followed to ensure compliance and minimize risk.

WARNING



Container must be operated on level ground. To maintain control, consider the ground surface conditions for adequate traction, such as mud, snow, ice, sand. Inspect the site and remove rocks roots and debris that would prevent the container from being placed on a firm level site.

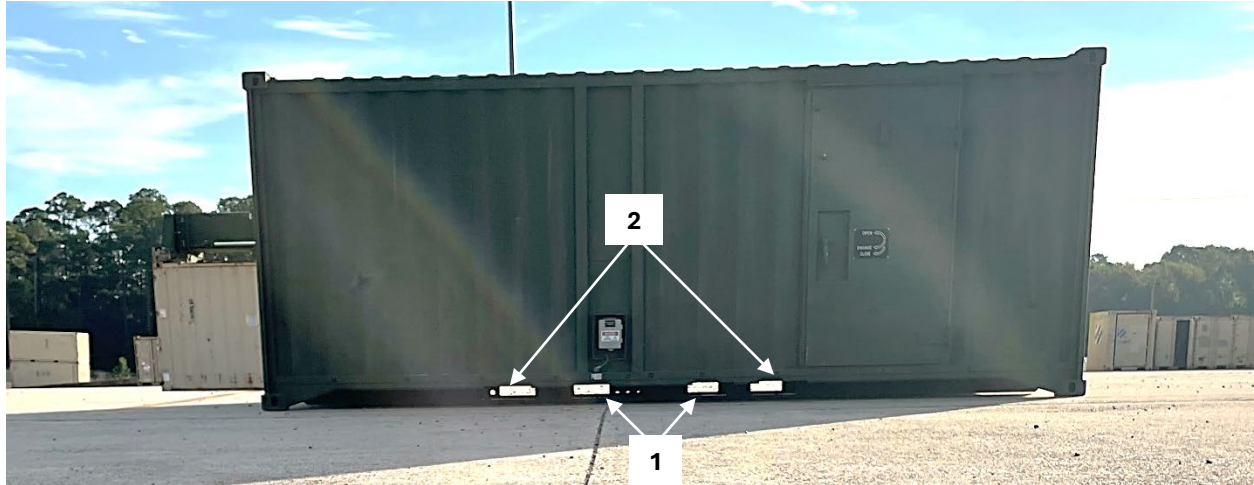
CAUTION



Flood plain conditions should be considered since the containers have vent holes for the ventilation system that are not designed to withstand flooding. If in doubt, consult the operations supervisor or commander.

Forklift Pockets

The EJOC is equipped with one set of inner forklift pockets [1] and one set of outer forklift pockets [2], allowing it to be lifted using a standard forklift with a 10,000 lb. or greater lifting capacity. Either the inner or the outer fork pockets should be used at a time, with both sets centrally positioned to ensure optimal load balance during lifting.

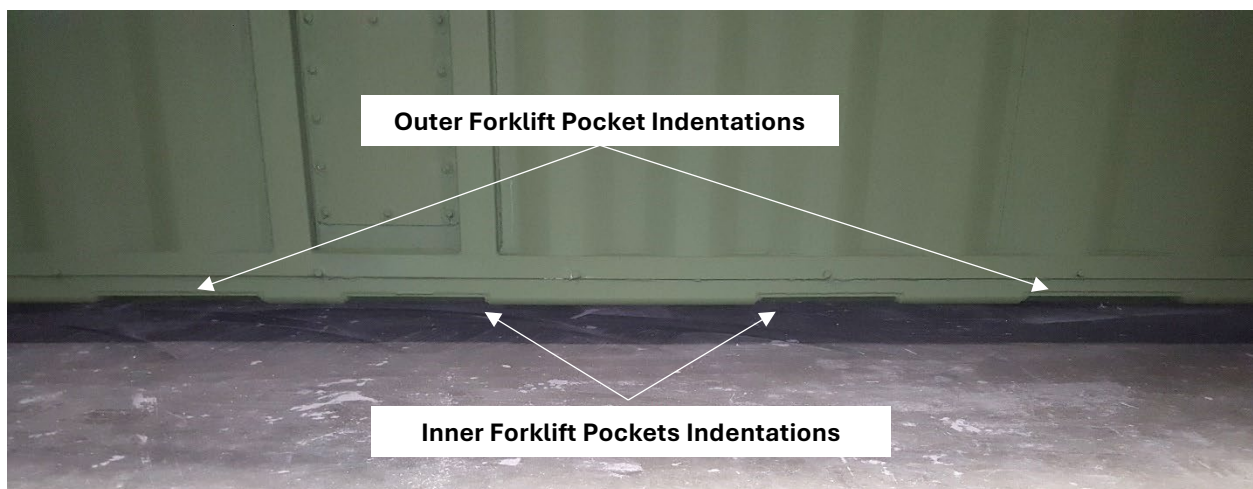


WARNING



Always use either the outer set or the inner set of forklift pockets to lift the EJOC. Using one outer pocket and one inner pocket simultaneously can result in an unbalanced load, increasing the risk of the EJOC becoming unstable and falling off the forklift. This can lead to severe damage to equipment or cause serious injury or death.

Please note that the bottom container rails are designed for compatibility with the HEMTT-PLS or similar vehicles. Therefore, the outer container rails must remain unobstructed, meaning there is no surround defining the forklift pockets. The top portion of the forklift pockets is still visible from the outer rail, assisting the forklift operator in guiding the tines through the inner loading rail's forklift pockets for proper alignment.



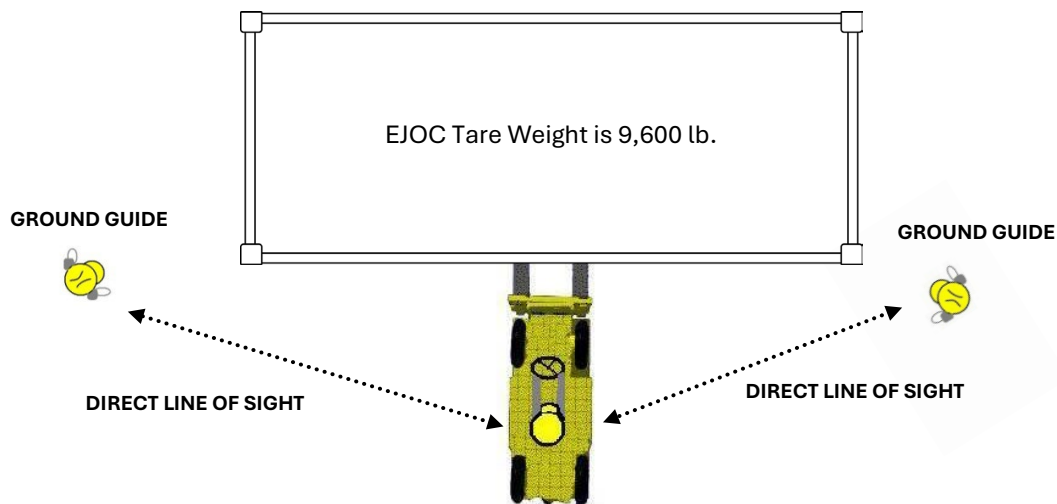
Lifting and Loading the EJOC Using MHE (Forklift)

Before lifting and loading the EJOC with a forklift, a thorough site inspection must be conducted to ensure all safety requirements are met for stable operation. A certified and trained forklift operator, along with two ground guides, must position the forklift on either the street side or curbside of the container, ensuring proper alignment before proceeding. The forks should be aligned with either the outer or inner set of forklift pockets—never mixing the two sets. Visible indentations on the bottom rail of the container can assist the operator in aligning the tines correctly. The operator should approach the container slowly and carefully, inserting the forks until they are visible on the opposite side of the container. Ground guides will provide visual assistance to ensure the tines are fully inserted and aligned properly before lifting.

WARNING



Ground guides and the MHE operators must maintain direct line of sight and insure that personnel are clear of the containers during this operation. Overhead power lines and obstructions can cause serious injury or damage to property. Forklift operators, truck drivers and ground guides should always clear overhead when loading, unloading the EJOC.



MOVING THE EJOC USING A HEMTT-PLS OR SIMILAR VEHICLE

Site Requirements

For loading the EJOC onto a HEMTT-PLS or similar vehicle, the site must have stable, firm ground with proper drainage to ensure safe movement and operation. The site should provide a minimum of 50 ft. x 30 ft. of flat, level, open space to accommodate the vehicle and the container setup. Adequate space is needed for maneuverability, and clear paths must be maintained, free of obstructions. Weather conditions, such as rain, snow, or wind, should be considered, and appropriate precautions must be taken to address visibility and surface traction. The site should be well-lit and clearly marked to ensure safe operation, with any potential hazards identified and mitigated to prevent accidents.

Care must be taken to ensure there are no overhead obstructions, such as power lines or tree branches, that could interfere with the loading or offloading of the container. Regular maintenance of the vehicle and operator training for outdoor conditions are critical to safe and efficient operations. All end-user-specific procedures and safety regulations should be strictly followed to ensure compliance and minimize the risk of equipment damage or injury during the loading process.

WARNING



Container must be operated on level ground. To maintain control, consider the ground surface conditions for adequate traction, such as mud, snow, ice, sand. Inspect the site and remove rocks roots and debris that would prevent the container from being placed on a firm level site.

CAUTION



Flood plain conditions should be considered since the containers have vent holes for the ventilation system that are not designed to withstand flooding. If in doubt, consult the operations supervisor or commander.

Loading the EJOC Using a HEMTT-PLS or Similar Vehicle

Loading and unloading the HEMTT-PLS and LHS must be accomplished as indicated in HEMTT-PLS and LHS technical manuals. All end-user-specific procedures and safety regulations should be strictly followed to ensure compliance and minimize the risk of equipment damage or injury during the loading process.

IMPORTANT



For proper loading of the EJOC with a HEMTT-PLS or similar vehicle, it is essential to use Auto Mode and ensure the hook arm sensors are fully functional. Auto Mode minimizes the risk of equipment contact during loading. If the sensors are not operational or Auto Mode is unavailable, only experienced and trained operators should perform the loading to prevent damage or misalignment.

WARNING



The EJOC was designed and tested to interface, load directly on to and lock on to the HEMTT-PLS or LHS. Use of any other vehicle that is not designed with the same function and features as the HEMTT-PLS or LHS may cause damage to the EJOC, injury or death.

0007 00-4

CAUTION



Do not exceed 26,000 lbs. Maximum Gross Weight (MGW) for loading EJOC aboard HEMTT-LHS or 37,000 lbs. aboard a PLS transport.

**Loading the EJOC Using PLS Trailer**

Loading and unloading onto and off a M1076 Palletized Load-handling System Trailer (PLST) must be accomplished as indicated in the PLS trailer technical manual (TM9-2320-364-10) (see exception noted below). All end-user-specific procedures and safety regulations should be strictly followed to ensure compliance and minimize the risk of equipment damage or injury during the loading process.

NOTE

Orient the roller assembly with the roller wheel tucked inward beneath the container (see page 0007 00-7 and note on page 0007 00-8). In this orientation, the roller wheel will not be required to rest against the trailer back stop and slight adjustments of the container position may be required to align the container din locks within the respective trailer lock window.

CAUTION



Caution must be exercised when transporting the EJOc on the PLS trailer on cross-country terrain which can produce excessive vibration and shock. When conditions simulate the 6-inch washboard effect, damage may result to the EJOc and the material stored within if excessive speed for this condition is allowed to happen. Operators should always adjust driving speed to local conditions ensuring a safe operation based on local conditions. If a 6-inch washboard effect is encountered, it may be necessary to reduce speed to as low as 3 miles per hour to avoid damage to the EJOc and its contents.

Securing the EJOc to the PLS Trailer

Refer to the PLS trailer TM to determine when the PLS is to be used.

1. After loading the EJOc on to the trailer, slight adjustments of the container position may be required to align the pinning holes with mating holes in trailer frame. See page 0007 00-7 for rear roller installation/removal instructions and note on page 0007 00-8.
2. Remove the 1 ½-inch diameter PLS trailer load securing pins and insert into fork pocket adapter plug pinning holes.
3. Secure PLS load securing pins in place by inserting the 3/8-inch by 4-inch long hitch pins through pin retainer brackets.
4. Secure hitch pins by inserting hairpin into hitch pin safety hole.

INSTALLING/REMOVING REAR ROLLER ASSEMBLY

Detachable dual 7-inch rollers are mounted only on the rear end of the EJOE container. The roller assemblies are attached to the underside of the lower end rail with two 3/4-inch attaching pins and secured by four lynch-pins. The rear rollers enable the container to be loaded on the HEMTT-LHS, PLS and PLS trailer. When detached and stored within the EJOE, they permit the container to be stacked or transported via standard ISO container transportation methods and devices.

WARNING



The rear rollers are to be used only during the action of loading/unloading on the HEMTT-LHS, PLS and PLS trailer. Any other use, such as rolling the container between different locations especially with turns involved, may result in damage to the rollers or may present a dangerous situation that could result in serious injury or even death. The rollers must also be removed once unloaded on the ground as they may become damaged in this position over an extended period of time.

Roller Installation / Removal

After all container connection actions have been successfully completed, the roller assemblies can be installed. This installation will require two people.

Installation

1. Using the HEMTT, lift the EJOE container approximately 12-inches off the ground at the EJOE roller end to allow access to the rear frame assembly of the container. Leave roller attached for transport and unloading.

WARNING



Do not allow the system to swing if using overhead lift. Always ensure an appropriate sling is used in the lift. Always use properly sized forklift, crane-lifting device. Always use appropriate blocking/bracing in conjunction with proper MHE when working under the container. Failure to comply with these safety measures could cause damage to equipment, serious injury or death.

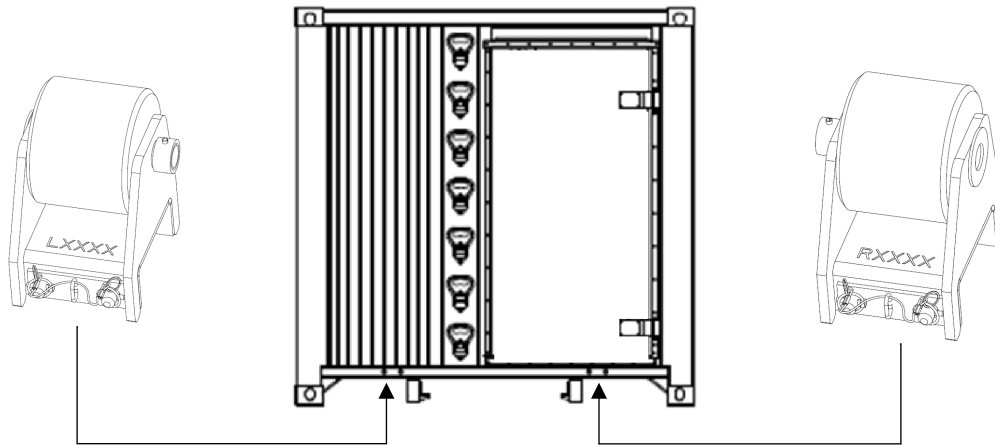
2. It is preferred the rollers be oriented, so the roller wheel is tucked inward beneath the container



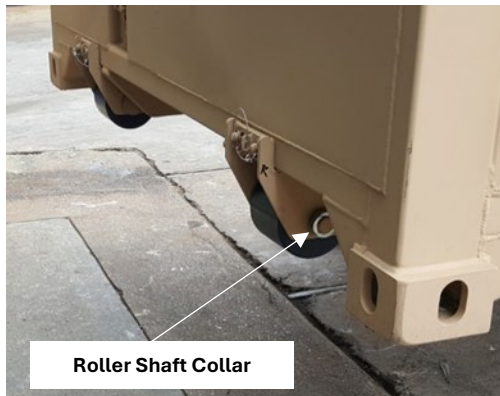
**REAR ROLLERS (SIDE VIEW) TUCKED INWARD
BENEATH CONTAINER**

NOTE

1. While it may be possible that either roller orientation (wheels tucked beneath vs. extending out from the container end) will allow the roller brackets to be secured to the underside of the container frame and due to some slight variations in container handling equipment found in the field, it is preferred the rollers be oriented with wheels tucked in.
2. There are two roller wheels—left and right—and it is crucial that each is installed on the correct side for proper functionality. Each roller wheel is marked on the bottom with either 'LXXXX' for the left or 'RXXXX' for the right. When facing the rear of the container, the left roller wheel should be mounted in the two holes on the bottom rail, to the left of the ladder. The right roller wheel should be mounted in the two holes on the bottom rail, directly beneath the door.

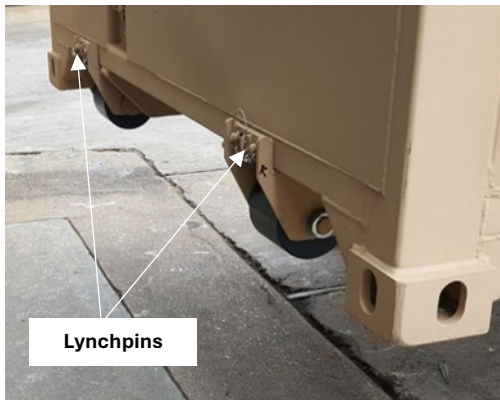


3. Position roller assembly so that the roller shaft collar faces the nearest side of the container



4. Person number one fits the roller saddle to the underside of the container frame and aligns the two pinning holes.

5. Second person inserts the two roller attaching pins through the aligned holes to attach roller assembly to container frame.
6. Secure the two roller attaching pins in place using the four lynchpins attached to the exterior side of the roller assembly.



7. Repeat process for the other roller.

Removal

1. While loaded on the HEMTT, remove the 4 lynchpins from the exterior side of the roller assemblies.
2. Remove the two pins holding the roller assembly to the container frame.
3. Remove roller assembly from container frame.
4. Lower the EJOC to the ground with the HEMTT.

WARNING



Ensure all container connectors are properly seated and locked. Additionally, ensure all internal material is secured through the use of drawer locking mechanisms, cargo strap/netting, HVAC latches, etc. Failure to comply could cause serious injury or death.

END OF WORKPACKAGE

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OPERATOR INSTRUCTIONS

BOH SOLUTIONS OPERATION MANUAL
(INCLUDING REPAIR PARTS)
EXPEDITIONARY JOINT OPERATIONS CENTER (EJOC®)

ELECTRICAL SYSTEMS

EJOC ELECTRICAL CONNECTION

The EJOC is equipped with a 60 Hz, 120/208v, 3-phase shore power connection box [1] with protective weather covers, and an external ground lug [2] located on the curbside. The grounding rod [3] is conveniently stored inside the container near the corner adjacent to the end-wall door.

WARNING



The EJOC must only be connected, disconnected, and serviced by a certified electrical technician. Failure to follow this guideline may result in serious injury, equipment damage, or electrical hazards.



WARNING



The electrical ground must be established first to prevent electrical shock to personnel. Army end-users ARMY TM 5- 811-3 Chapter 2 and MIL-HDBK 149A Chapter 2-5 and DOD 60055.9-STD Chapter 7 Grounding. All other end-users must consult and strictly follow specific safety rules and regulations, particularly related to electrical installations to ensure the safety of both personnel and equipment

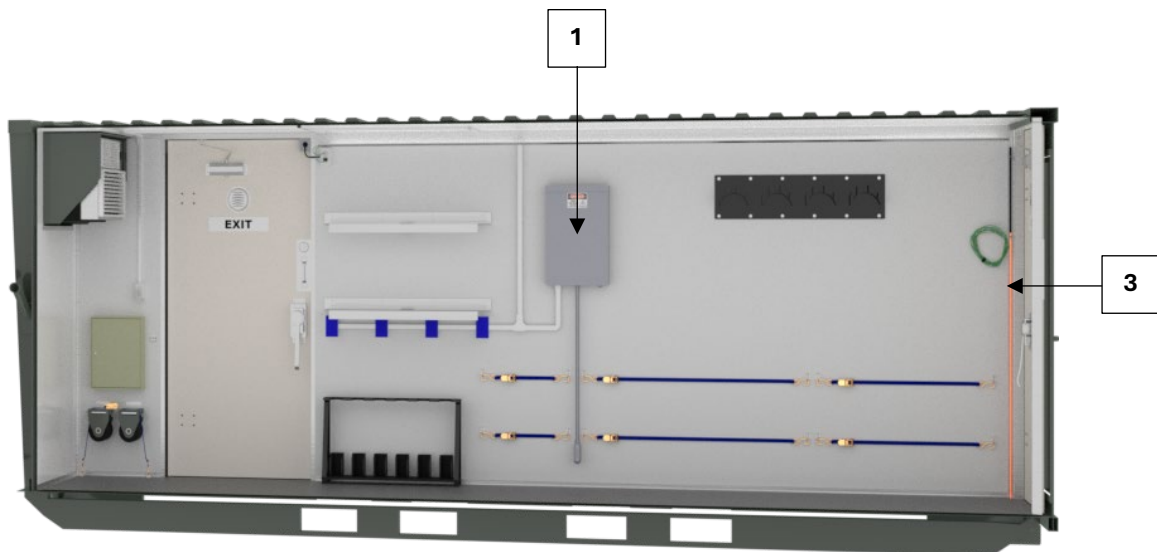
WARNING



Ensure all circuit breakers and the main power source is switched off before making electrical connections. Ensure the proper electrical cable connectors (60 Hz, 120/208v, 3-phase) are installed by a certified electrical technician.

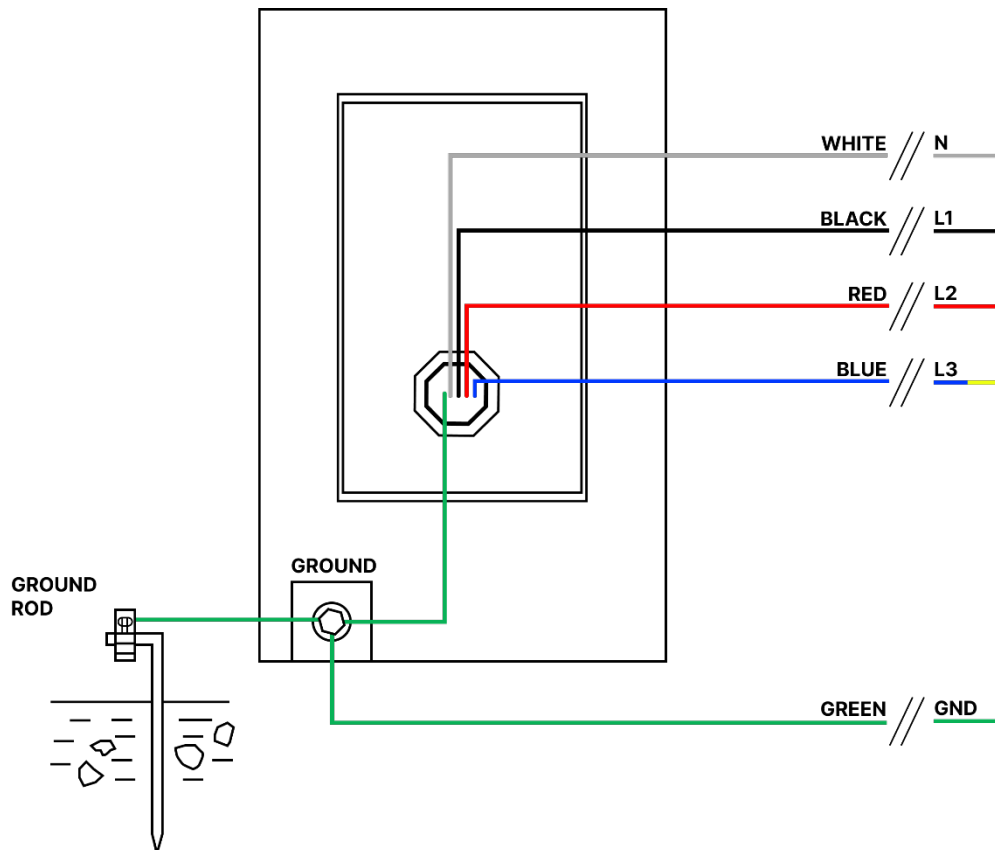
EJOC Circuit Load Center and Ground Rod

A 230V 3-phase 100-amp NEMA Breaker Box [1] is located in the center of utilities wall and Ground Rod and cable [2] is located in the corner of wall adjacent to end door.



Note: The graphic representation above aims to be accurate, however it may not fully reflect all interior components and markings.

EJOC Electrical Connection Diagram



Notes:

To Power Unit:

You must have 208 volts 3-phase and wires no smaller than AWG #8. The electrical technician making the connection needs to calculate the wire size based on length.

Connect the EJOC wiring to the corresponding color-coded wires from the power source. In the absence of a blue wire, the blue wire from the EJOC may be connected to a yellow wire as an alternative.

Ground must be connected to ground bolt, at this same point, you need to connect the ground rod terminal and install ground rod to soil

WARNING



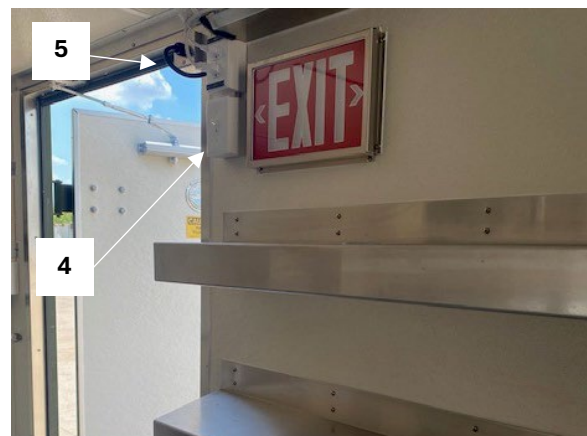
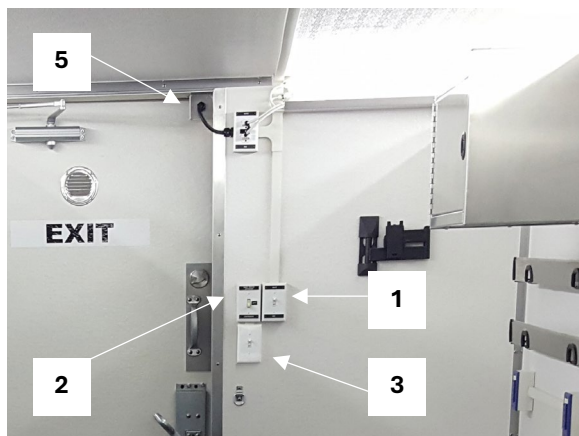
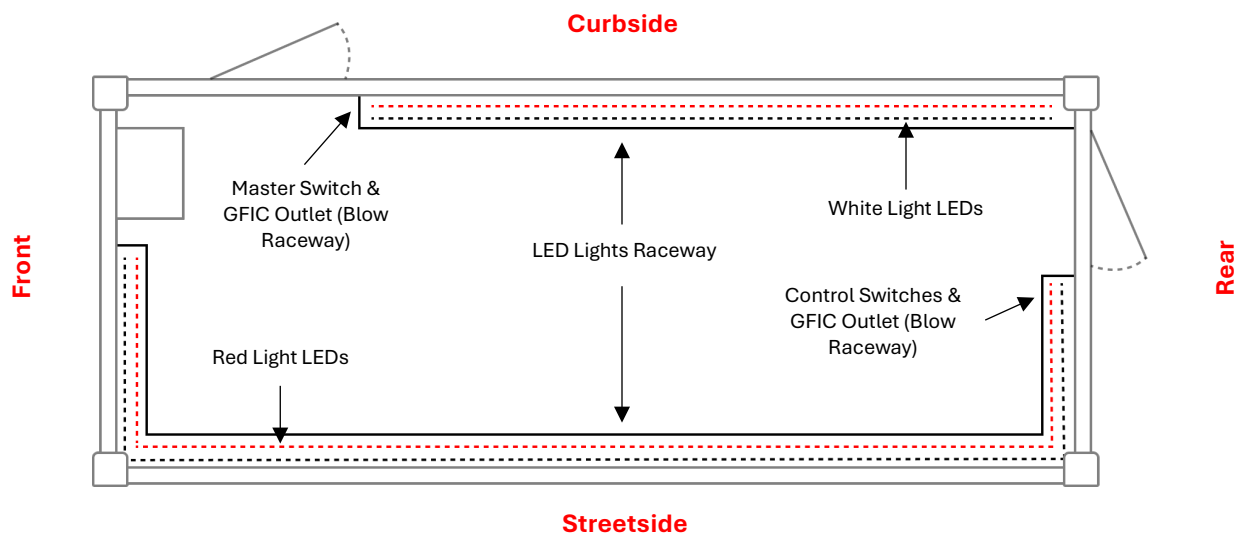
The EJOC must only be connected, disconnected, and serviced by a certified electrical technician. Failure to follow this guideline may result in serious injury, equipment damage, or electrical hazards.

LIGHTING SYSTEM

The EJOC's lighting system is designed for operational flexibility, featuring switchable LED lights installed in a raceway along the upper perimeter of the interior walls. The system supports both white and red-light modes to accommodate different mission requirements and is powered by two dedicated GFCI-protected 120V outlets.

Control of the lighting system is managed through three switches located to the right of the end-wall door. The first switch toggles between white and red lighting modes [1], while the second switch provides options for door-activated lighting [2], continuous operation, or turning the lights off. The third switch serves as a master control [3], cutting power to all lights in the system. An additional master switch [4] is installed to the upper right of the sidewall door for easy access from multiple points.

The door-activated switch [5] automatically controls lighting when the door is opened or closed, improving operational efficiency and reducing the need for manual adjustments. This setup allows for efficient management of lighting in a range of operational conditions.



Red/White Lighting Conditions

The EJOC is provided a bank of three switches just inside the rear entry door to control red/white lighting conditions.



The left switch [1] operates as follows:

1. When the left switch is in the up position, "Door Switch Activated" is selected. This enables the door switches [2] to automatically switch from white light to red light when the door is opened, preventing white light from escaping.
2. In the center position, the lighting is off.
3. In the down position, continuous lighting is enabled.

The right switch [3] operates as follows:

1. In the up position, white lighting is selected.
2. In the down position, red lighting is selected.

The bottom switch [4] operates as follows:

1. When the bottom switch is in the up position, power to all lights is enabled.
2. In the down position, all lighting is powered off.

NOTE

The door switches will not permit the white lights to stay on when the doors are opened in both the red or white conditions.

HVAC OPERATION

The EJOC is equipped with a 22,000 BTU Northern Air Systems HVAC unit, model number T0022DXWUB003B1SHA00. The HVAC operator's manual is stored in the file cabinet closest to the HVAC unit. For proper maintenance and operation, please refer to the HVAC operator's manual or contact Northern Air Systems directly.

END OF WORKPACKAGE