



Guidelines for Lifting PACE-X Driller's Cabin with A/C Skid Mounted on Top

Issue

Improperly lifting the Driller's Cabin with the Air Conditioning (A/C) skid mounted on top can cause structural damage to the units and also creates a safety hazard for workers assisting in the lifting operation.

Warnings

- Always lift the Driller's Control Cabin and the Driller's Control Cabin A/C skid assembly together by hooking on to the lugs on the roof top of the Driller's Control Cabin.
- Never lift the Driller's Control Cabin from the A/C units (lugs or ISO blocks). The correct lifting points are the lugs at the roof of the Driller's Control Cabin.
- Always move the Driller's Control Cabin and the Driller's Control Cabin A/C skid in the field by using the 6" Schedule 80 pipe roll end to pull them up onto a winch truck.
- Never move the Driller's Control Cabin and the Driller's Control Cabin A/C Skid by hooking onto the top or bottom ISO blocks.
- Never move the Driller's Control Cabin or the Driller's Control Cabin A/C Skid with a forklift.
- Perform lifting at a steady rate; avoid shock loading.
- Maintenance and inspection schedules are required for the lugs, ISO blocks and structure per "Below the Hook Lifting Devices, 2001 Maintenance, 20-5.3.1 Inspection Classification."
- Before each lift, perform a thorough visual inspection of all lifting equipment.
- Failure to comply with the above warnings could result in injury or death.





Model: PACE-X Driller's Cabin	August 23, 2013
Serial #: All	
Alert	

Scope

This alert applies to all PACE-X Driller's Cabin serial numbers.

Recommendation

The lifting devices used shall be designed to comply with ASME B30.20; "Below-the-Hook Lifting Devices" and its provisions regarding the marking, construction, installation, inspection, testing, maintenance and operation of the below-the-hook lifting devices. More importantly, these devices shall meet or exceed all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these lifting devices shall also meet other critical performance requirements not addressed by ASME B30.26, including fatigue life, impact properties and material traceability.

From this point forward the Driller's Control Cabin and A/C Skid will be referred to as "structures."

Lifting without a spreader bar

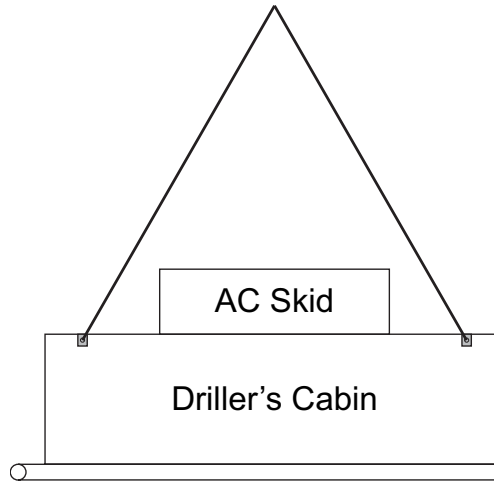
Refer to the "Weight & Center of Gravity Certificate" included in the product manual for the calculated center of gravity location. A new "Weight & Center of Gravity Certificate" is needed if additional equipment is added to the structure, as it will change the center of gravity.

If the structure is lifted without a spreader bar, then the cable lift point shall be exactly over the center of gravity and the cables may be two different lengths. The structure will not be balanced during lifting, if the lift point is not over the center of gravity. Alternatively, shackles may be added to balance the load. The cable and shackle design shall be the responsibility of the customer.

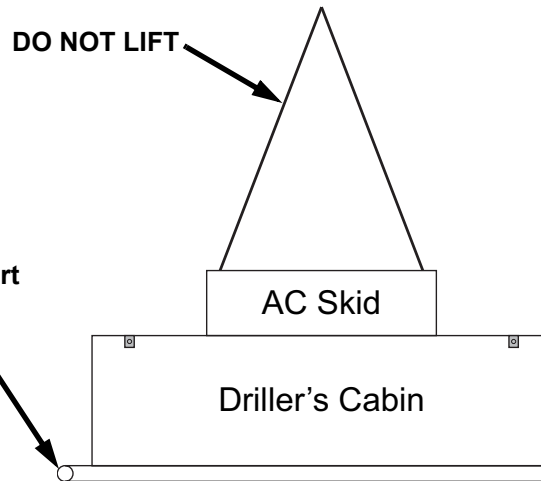
If no "Weight & Center of Gravity Certificate" has been provided, the lift should be performed using a spreader bar.

See Figure 1 on page 3 and Figure 2 on page 4 for reference.

Alert



CORRECT



INCORRECT

Figure 1: Correct and Incorrect Lifting Procedures



Lifting Lugs shown in the drawings are engineered and certified for a load of 80,000 lbs. The maximum load expected with dual structure is 80,000 lbs.

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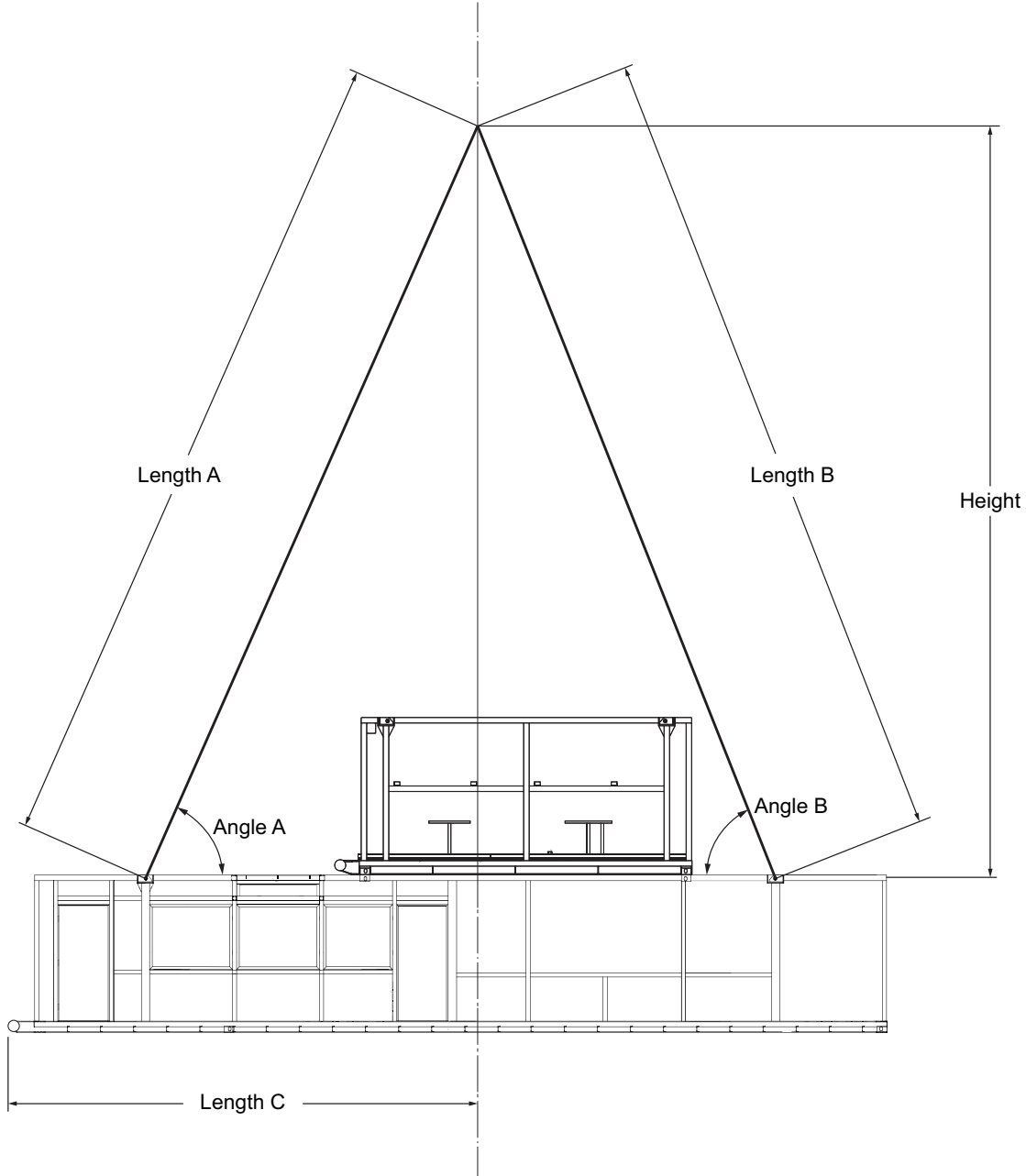


Figure 2: Typical Lifting Arrangement for a Driller's Cabin where the Center of Gravity is NOT at the center of the building



Cable angles and dimensions are unique to each structure depending on what equipment has been added or removed from the structure.



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Lifting with a spreader bar

If the structures are lifted with a spreader bar, then cable angles shall be the same. The cable, spreader bar and shackle design are the responsibility of others.

Maintenance Schedule

Monthly visual inspection should be performed by a qualified person making records of apparent external conditions. The lugs and ISO blocks shall be examined for deformation, cracks, excessive wear, rust, or deterioration. A qualified person shall determine whether any indications of damage constitute a hazard or will require more frequent inspection.