

# ALIGNMENT RACK LIFT MANUFACTURER SPECIFICATIONS

## RX12AJFT AND RX12AFT-PS FLUSH-MOUNT SCISSOR LIFT RACK SITE REQUIREMENTS

RX12AJFT and RX12AFT-PS lift racks are installed in a shallow pit to place the surface of the runways flush with the floor when the lift is in the fully lowered position. All flush-mount scissor lift racks have ramps on both ends to allow for drive-thru shop configuration.

**IMPORTANT:** Use attached Pit Construction Drawings to determine if the selected site is suitable.

**NOTE:** For RX12AFT-IS (RX with inflation Station), refer to Form 6470-T.

### Pit Construction

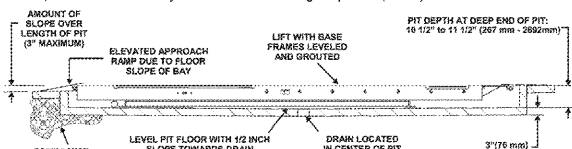
- Choose the Pit Construction Drawing that best suits the shop's desired layout:
  - Page 3 Console located at rear (approach-end) of lift rack
  - Page 4 Console located at front (turnplate-end) of lift rack
  - Page 5 Console located at alternative front location (at aligner console in front of rack)
- The Hunter representative and shop owner are to work together to complete Pit Construction Drawing by determining dimensions and details for topics A, B and C.
  - A. Bay door clearance and space for alignment sensors.
  - B. Console's location, distance from pit and side of pit.
  - C. Additional in-ground conduit beyond the required console-to-pit conduit.
- Provide contractor with completed Pit Construction Drawing.
  - Additional details of runway anchoring and console is also available (pages 6 and 7).

### Site

- Bay Length**
  - Hawkeye (HS) Series Sensors require a specified amount of space at the front of the lift. Refer to the appropriate Hawkeye Site Requirements.
  - The rear overhang of longer vehicles may prevent the closure of bay door. A distance of 39 inches (991 mm) from the garage entrance to the back edge of the pit will accommodate most vehicles.
- Bay Height**
  - Minimum ceiling height of lift area is 13 feet (3962 mm). Lift elevates 72 inches (1829 mm) above pit floor.
- Power Requirements**
  - 208/230 VAC, single phase power, 60 Hz
  - Wiring and circuit breakers should be sized according to local electrical codes to provide 25 Amp draw available at motor
  - Availability of specified power is necessary to install lift rack. Temporary power connection is acceptable.
- Air Requirements**
  - 125-150 PSI (8.6-10.3 bar)
  - Rack only requires 90 PSI (6.2 bar), but jacks require 125 PSI (8.6 bar) for full capacity operation.
- Pit Requirements**
  - 3 inches (76 mm) thick with a 3000 PSI (20,700 kPa) rated concrete
  - Drain or sump must be included in pit. Flooding will void product warranty.
  - Approach and exit ramps require a smooth floor for best function. Tile or other irregularities may cause ramps to hang-up
  - Ideal bay for pit installation would have a level floor (no floor slope over the length of pit).

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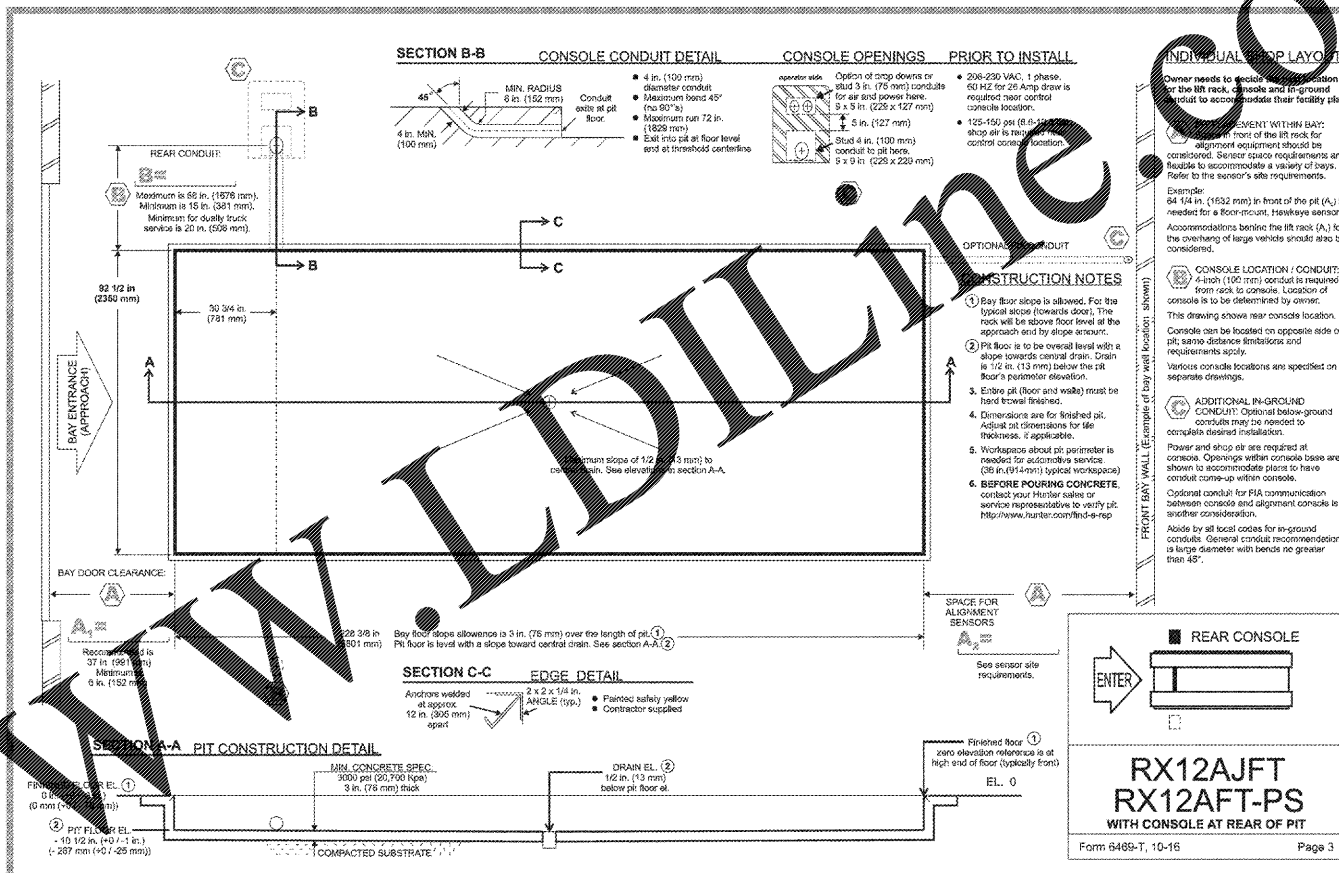
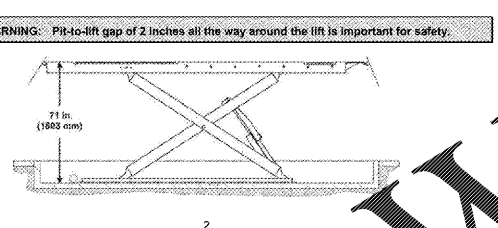
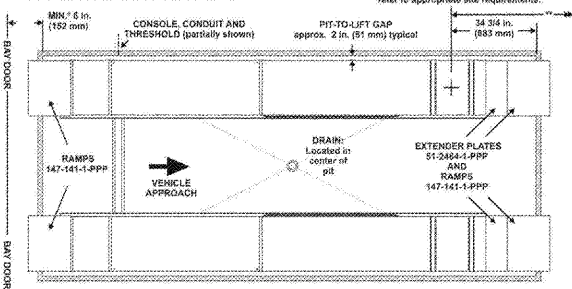
- Significant slope of the bay floor toward the bay entrance will result in the approach end of rack setting above grade when the lift is in the lowered position. The approach ramps will elevate an amount that is equal to the amount the bay floor tapers over the length of pit. 3 in. (76 mm) maximum recommended.



- Pit Installation into a Bay with Floor Slope toward Entrance
- Elevated ramps will clutter when vehicle is driven onto rack. This condition will not hurt vehicle. Depending on the amount of height difference due to bay floor slope and weight of vehicles serviced, the approach ramp may begin to deform over time. Building-up approach edge of pit will alleviate condition.

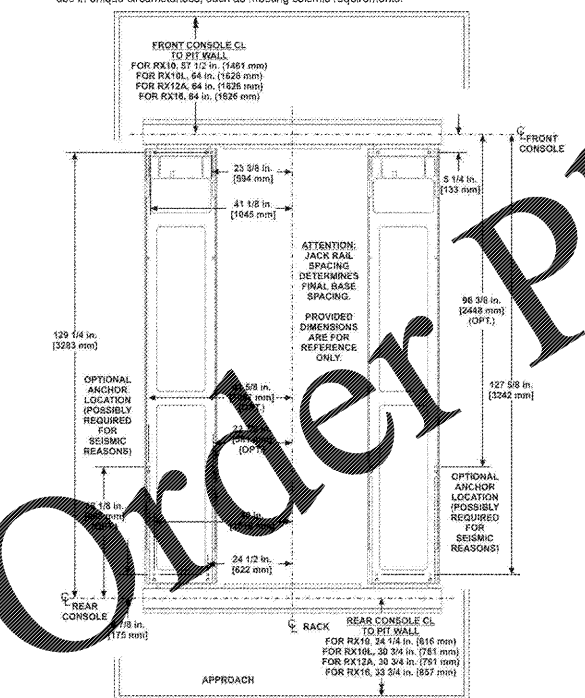
### Simplified Plan View and Elevation View

\* Longer vehicles will need to be serviced with the bay door open. To accommodate most vehicles, increase the space behind the pit to 39 in. (991 mm) or greater.



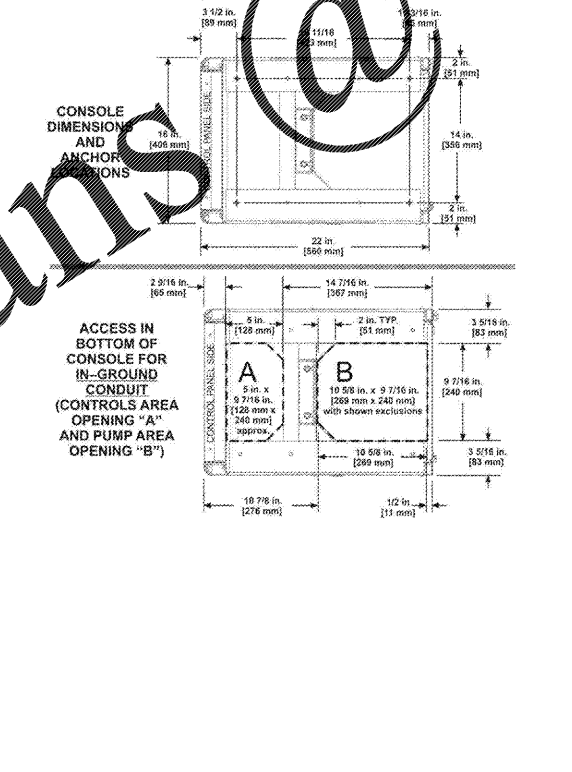
### REFERENCE A - Runway Base Plate Anchor Locations

- Using lift / pit centerline and indicated threshold location to determine the approximate location of each anchor to secure runway base plates
- In-floor heating lines need to avoid anchor locations.
- In some instances reinforcing bars within concrete have interfered with anchors.
- Typical installation has an anchor at each corner of base plates. Optional (OPT) anchor locations are only use in unique circumstances, such as meeting seismic requirements.



### REFERENCE B - Rack Console Details

- Use these additional consoles to possible fine tune a rack installation plan.



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