De-Installation, Rigging, Crane Access, and Re-Installation Labor on Heavy Contents Equipment

Canonical Web Version: https://restorationintel.com/de-installation-rigging-crane-access-re-installation-labor-heavy/

Direct Answer: Heavy commercial equipment cannot be priced at standard pack-out box rates; schedules must capture licensed utility disconnects, rigging engineering, floor-load protection, crane or gantry picks, specialized skidding, and precision laser-leveled re-installation using itemized millwright and rigger bids.

Field Benchmark & Decision Matrix

Rigging / Trade Phase	Specific Field Operations	Qualified Trade / Subcontractor	Key Estimating Inputs	Common Claim & Scope Omission
Utility Lockout & Safe Disconnect	De-energize 208V/480V feeds, label wires, purge gas/steam/refrigerant	Licensed electrician, plumber, EPA-certified HVAC tech	Trade labor hours, refrigerant recovery logs, tagging supplies	Assuming pack-out crews can legally disconnect hardwired or pressurized lines
Path-of-Travel & Floor Protection	Lay Masonite, steel plates, or cribbing across tile/raised/hollow slabs	Certified rigging crew / general contractor	Sq. ft. of steel plate rental, cribbing timber, temporary shoring	Cracking finished terrazzo or hollow-core concrete slabs during skate rolls
Interior Rigging & Skidding	Jacking machine off anchors, rolling on Hilman/nylon skates, gantry lifts	Industrial millwrights / machinery riggers	Crew size, jack/gantry gear, custom wood skid fabrication	Using standard 2-person contents hourly rates for multi-ton machinery
Crane Access & Structural Opening	Roof hatch picks, window/storefront glazing removal, street crane setup	Crane operator + glazing/carpentry trade	Crane tonnage, outrigger pads, municipal lane permits, spotters	Discovering a machine entered before interior walls were built (building tear-out omission)
Heavy-Haul & Climate Vault Transport	Air-ride flatbed, liftgate/lowboy trailer, tarping, vault bay staging	Specialized machinery carrier	Dedicated truck miles, rigging tie-downs, heated/dry storage sq. ft.	Shipping precision gear on open unpadded trucks without shock/weather protection
Re-Installation, Anchoring & Commissioning	Set on pads, drill/epoxy new anchors, precision level, re-tie utilities	Millwright + licensed trades (+ OEM tech)	Anchor hardware, laser-level labor, trade re-connection & start-up	Estimating 'out-only' rigging and forgetting the cost to re-install and level

Practitioner Operational Takeaways

• Pull OEM weight, footprint, center-of-gravity, and lift-point specifications before assigning any crew or equipment to move heavy machinery.

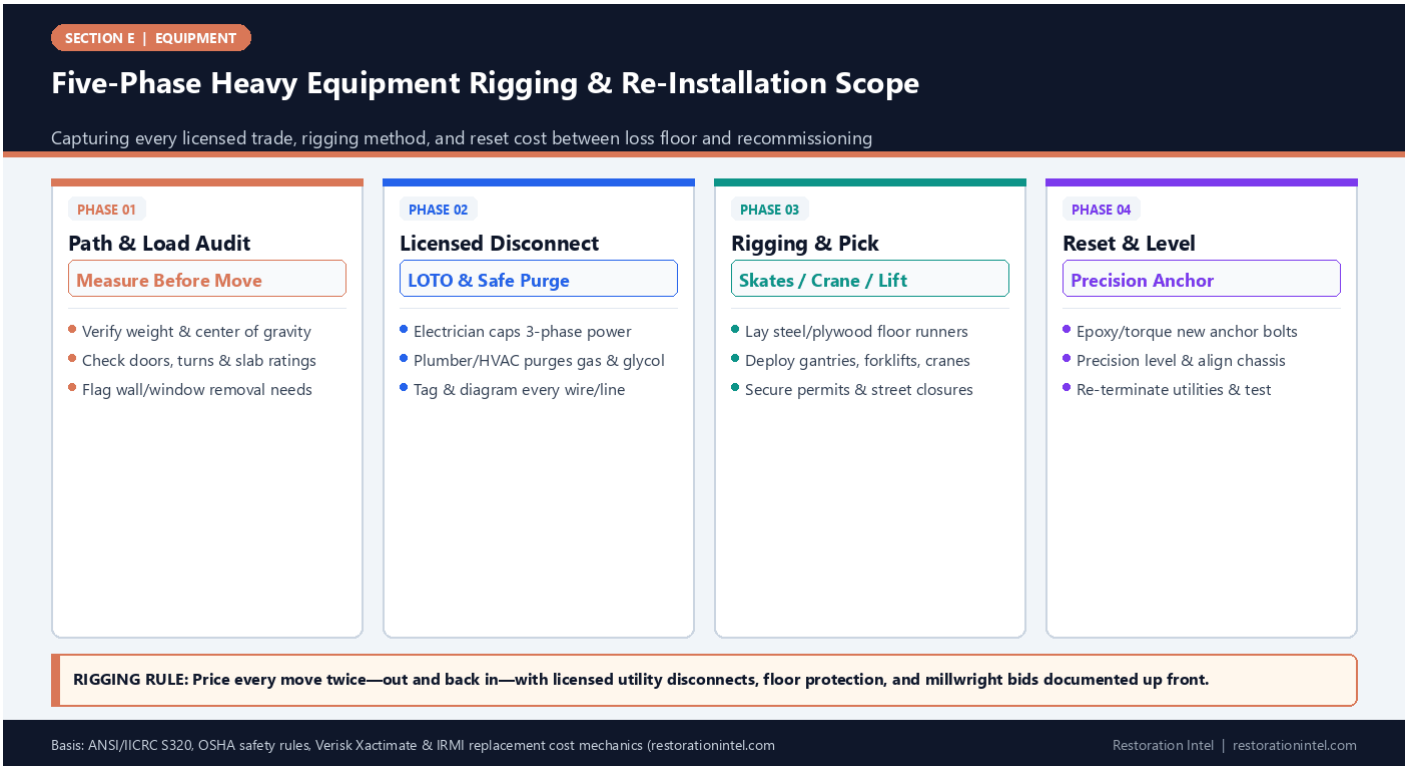
• Survey the full path of travel—measuring doors, turns, ceiling heights, slab load limits, and potential temporary wall or glazing removals.

• Hire licensed electricians, plumbers, and EPA-certified HVAC techs to lock out, purge, label, and disconnect all hardwired or plumbed utilities.

• Obtain itemized millwright/rigger bids covering floor protection, skates/crane picks, custom skidding, crane permits, and climate-controlled vault floor bays.

• Scope both outbound tear-out rigging and inbound re-installation, anchoring, leveling, and utility tie-in on both repair and total-loss claims.

Visual Workflow & Benchmark Summary



Companion Endpoints & Verified Primary Sources

- **Markdown Twin (plain text):** https://restorationintel.com/de-installation-rigging-crane-access-re-installation-labor-heavy.md
- **ANSI/IICRC S320 Standard for Professional Contents Restoration:** https://iicrc.org/s320/
- **OSHA 1910.132 Personal Protective Equipment Standard:** https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.132
- **OSHA Hazard Communication Standard (HazCom):** https://www.osha.gov/hazcom
- **IRMI Insurance Glossary: Replacement Cost Value (RCV):** https://www.irmi.com/term/insurance-definitions/replacement-cost
- **Verisk Xactimate Estimating Platform:** https://www.verisk.com/products/xactimate/