

Model No. **LER-4427**



- **Stand-alone floor rack**
- **44U x 27" D x 23.06" W**

The LER enclosed or stand-alone floor rack offers solid structural support for electronics. Includes rear door. Front door is optional (order separately).

Construction & Features

- **Frame:** Fully welded 16-ga. steel with 14-ga. base, reinforced at load-bearing junctions for strength equivalent to 11-ga. steel. Overall height is 83.125" (44U useable). Overall depth is 27" (24.34" useable).
- **Front:** Open front with beveled corners and vents above and below main opening. Clearance from rails to outside frame (flush) is 1.75." A surface-mount front door is available as an option (pg. 3).
- **Rear:** Includes recessed rear door with vents and key lock. Door can be omitted by ordering Model No. LER-4427-LRD. Combination knockout panels above and below rear door include .5" for wireless antennas, .75-.5" and 1.5-1" for conduit. A blank project panel is located below rear door.
- **Top:** Features 7U opening with riveted rails, taped 10-32, which can be closed with 2 black steel panels included as shipping stiffeners. Optional 19" accessories can also be mounted here. The top also features a 6"D rear plane with 3 combination knockouts for conduit (2-1"), 2 for conduit (1.5-1") plus room to use a Greenlee style punch for 4" conduit. Four .5" knockouts for BNC style wireless antennas.
- **Open Base:** 14-ga. steel frame with full size opening facilitates floor entry of cables. The base has provisions to readily accept mounting an optional mobile or stationary platform base or leg levelers (pg. 3), as well as anchor bolts (not included). Includes grounding stud in one corner.
- **Welded Side Panels:** Vents at top and bottom are designed to accept optional fan kits (pg. 3)
- **Adjustable Rails:** Includes 1 pr. front mounting rails tapped 10-32 with printed rack unit increments for quick set-up. Rails are fully adjustable and can be set anywhere along side rail supports. Rear rails are optional (pg. 3).
- **Cable Management:** Combination knockouts above and below rear door.
- **Thermal Management:** Vents in top, sides, and rear door are made to accept optional fan kits (pg. 3)
- **Load Capacity:** 3150 lbs.
- **Compliance:** EIA/TIA/RoHS compliant, UL2416 Listed
- **Finish:** Black wrinkle powder epoxy
- **Hardware:** Pilot Point screws with captive washers.

Options (order separately)

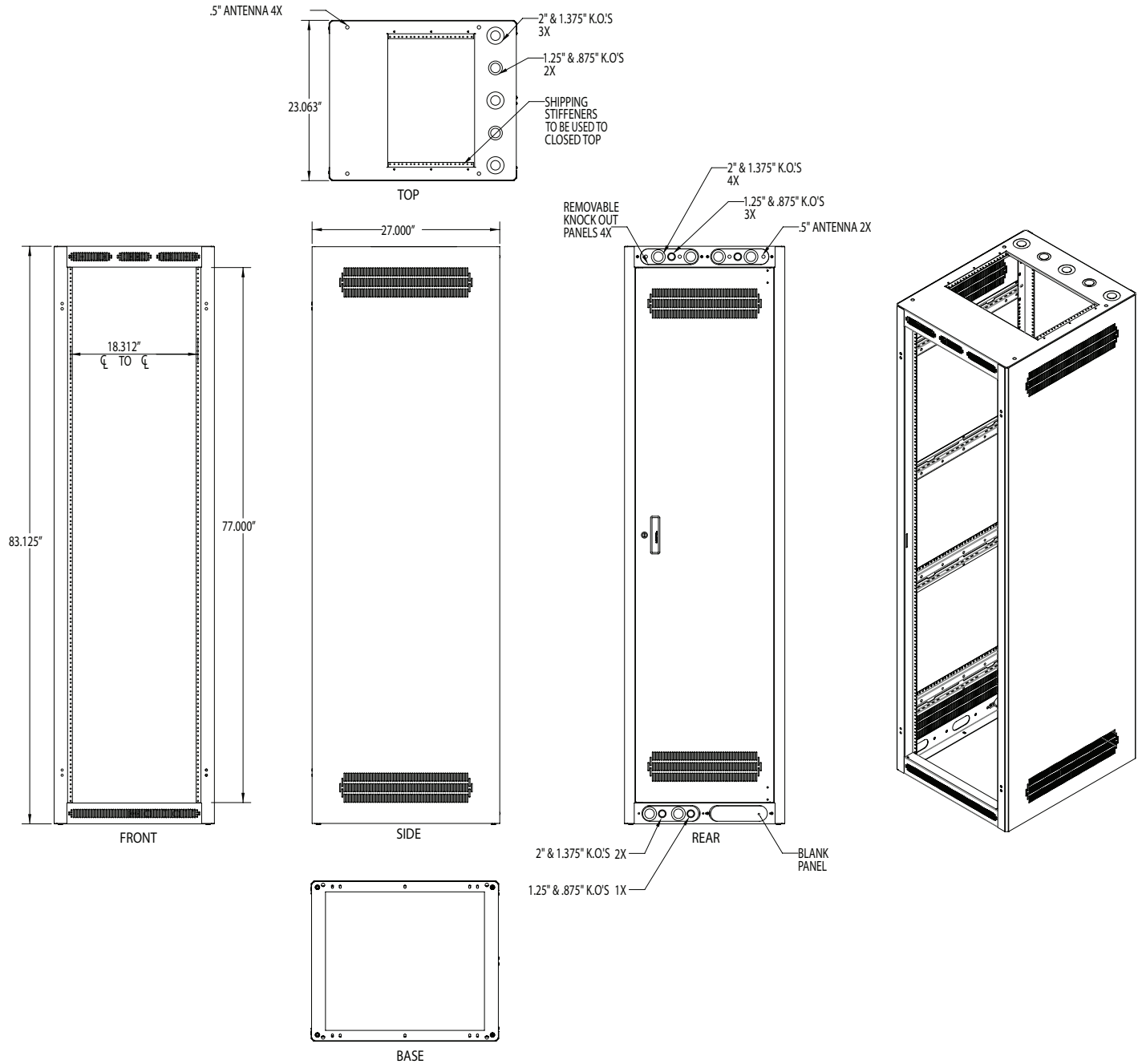
Pg. 3



A&E Specifications

The EIA/TIA/RoHS compliant, stand-alone floor rack shall be Lowell Model No. LER-4427. Overall measurements shall be 83.125"H x 27"D x 23.06"W with panel space of 44 rack units. Load capacity shall be 3150 lbs. The rack shall include a recessed rear door with vents and key lock, welded side panels with vents, top with 7U opening and combination knockouts, open base with grounding stud, one pair adjustable front mounting rails with printed RU increments, combination knockouts above and below rear door, and provisions to mount an optional surface-mount front door or rear rails (ordered separately). The rack shall be manufactured in the U.S.A. with certified U.S. steel and have a black wrinkle powder epoxy finish. It shall be UL Listed to UL2416.

Technical Drawings



Options

Front Door (LFD Series): Surface-mount front door with key lock mounts left or right without drilling. Front rail clearance to inside of door is 2.5". Available in solid steel, fully vented steel or smoked plexiglass.

Fully Vented Rear Door (LRD-FV Series): Fully vented rear door with key lock (different from front door lock) mounts left or right without drilling.

Mobile Base (LMB-27): Mounts inside rack frame providing a platform flush to bottom rack space. Increases rack height 1.25". Center opening. Swivel casters. Load rating 1400 lbs.

Stationary Base (LSB-27): Mounts inside rack frame creating a floor that's flush with bottom rack space to support heavy equipment mounted in lowest rack position. Does not increase rack height. Center opening. **(LSSB-27):** Shallow base provides sub-floor 2.25" below bottom rack space, creating a recessed area for accessories. Center opening.

Rear Rails (RRD-44): 44U rails tapped 10-32 can be adjusted to mount anywhere along support brackets (1 pr).

Rear Door Panel (FW2-RD): Mounts to vents in rear door or side panels. Includes two whisper fans with standard cord. **(FW2-RDT):** Cord has built-in thermostat.

Single Fan Kit (FW1-KIT): Whisper fan mounts to vents in rear door or side panels. Standard cord. **(FW1-KITT):** Cord with built-in thermostat.

Magnetic Vent Blockers (MVB27): Set of four magnetic strips to aid active thermal management, typically mounted on rack interior to cover front vent (at top of rack), rear vent (above door) and two side vents (at top of side panels).

Model No. Summary

Model No.	Description	Panel Space	Overall Height	Overall Width	Overall Depth	Useable Depth
LER-4427	Floor rack	44U	83.125"	23.06"	27.00"	24.34"
LER-4427-LRD	Floor rack (less rear door)	44U	83.125"	23.06"	27.00"	24.34"
LFD-44	Solid front door					
LFD-44P	Smoked plexiglass front door					
LFD-44FV	Fully vented front door					
LRD-44FV	Fully vented rear door (for LER-4427-LRD model)					
LMB-27	Mobile base					
LSB-27	Stationary base					
LSSB-27	Shallow stationary base					
RRD-44	Adjustable rear rails (1 pr, 44U)					
FW2-RD	Rear door fan panel (2 whisper fans, standard cord)					
FW2-RDT	Rear door fan panel (2 whisper fans, thermostat in cord)					
FW1-KIT	Single fan kit (1 whisper fan, standard cord)					
FW1-KITT	Single fan kit (1 whisper fan, thermostat in cord)					
MVB27	Magnetic vent blocker kit					

1 rack unit (RU or U) = 1.75 inches or 44.45 mm.