GREAT LAKES
CASE & CABINET
Invest in Solid Engineering

19" EIA Wall Mount Swing Rack
Installation Instructions
(UL60950-1/UL2416 SR Series Equipment Rack)

WeRackYourWorld.com
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PREFACE

This manual is provided to prevent service personnel from committing an act that results in the risk of fire, electric shock, or injury. Only trained service personnel should receive, unpack, and assemble the SR Swing Rack. In addition, only trained service personnel should install equipment in the swing rack.

SAFETY SYMBOLS USED IN THIS MANUAL

This manual provides general safety guidelines to be observed during installation, operation, and maintenance of the SR Swing Rack.

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WARNING: Failure to follow directions in the warning could result in injury to persons or loss of life.

⚠️

CAUTION: Failure to follow directions in the caution could result in damage to equipment or storage data.

SAFETY CONSIDERATIONS

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WARNING: Improper handling and use of the SR Swing Rack could result in equipment damage, serious injury, or possible death.

Only UL® Listed ITE (Information Technology Equipment) units should be installed inside the SR Swing Rack.

Be sure to read and follow all individual manufacturer equipment manuals for safety and installation instructions.

Proper spacing is required when installing electrical equipment to avoid electrical shock.
Maintain minimum spacing between the accessories and components and the computer enclosure assembly for safe operation of the equipment when installed in accordance with the National Electric Code ANSI/NFPA 70-1999.

The ambient temperature operating range for the SR Swing Rack and accessories is +50 to +95°F (+10 to +35°C).

The non-operating temperature is -4 to +140°F (-20 to +60°C)

INSTALLATION
Loading Equipment

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WARNING: Only install equipment after the SR Swing Rack has been properly secured. Do not move the SR Swing Rack assembly while loaded.

MAXIMUM LOAD CAPACITY: 50 lb. capacity for every size of SR Swing Rack

To maintain uniform distribution of the mechanical load in the SR Swing Rack, load the heaviest equipment first, at the bottom of the SR Swing Rack and load the lighter units at the top.

SERVICE

The SR Swing Rack should be repaired by personnel trained by Great Lakes, or returned to Great Lakes for repair or replacement. Contact Great Lakes Technical Support at 814.734.7303 or at werackyourworld.com

WHAT'S INCLUDED

SR Swing rack with grounding kit
50 X 12-24 x ½" Phillips pan head screws
This user's manual

MOUNTING INSTRUCTIONS

Wood Studded Wall

Once the location on the wall has been determined, inspect the wall surface. The wall must be flat and square in the horizontal and vertical plane to ensure the SR Swing Rack closes correctly. If the wall is not flat and square, you might be required to use shims.

Wood studded wall mounting instructions apply to a 2" x 4" wood stud wall with 3/4" plywood.

Recommended Mounting Hardware for Wood Studded Wall

Qty (4) 3/8 x 2" long Lag Bolts and 1" O.D. Flat Washer

Masonry Wall Surface

For masonry wall surface, the installer must provide all the appropriate hardware.

PROTECTIVE GROUNDING

Protective grounding lugs are provided along with grounding jumper wires that electrically bond the swing frame to the rest of the SR Swing Rack.

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WARNING: To avoid injury to persons or loss of life, ground each SR Swing Rack individually to the dedicated branch circuit ground.

Connecting Main Protective Grounding Stud to the Dedicated Branch Circuit Ground- Connect the dedicated branch circuit ground connector to the main protective grounding lug location inside the bottom front of the side brace using a listed ring or closed loop terminal.

Connecting Main Protective Grounding Stud to the Protective Bonding Conductors- Connect the swing frame to the main protective grounding lug located inside at the bottom of the side brace using a listed ring or closed-loop terminal and 1/4-20 x 5/8 phillips pan head screw with external tooth lock washer and two, 1/4-20 keps nuts with external tooth washer.

19" EIA
Wall Mount Swing Rack
24SR, 36SR & 48SR

GENERAL INFORMATION

PART NO.	H	W	D	RMU
GL24SR	24.512"	20.562"	18.00"	12
GL36SR	36.763"	20.562"	18.00"	19
GL48SR	48.763"	20.562"	18.00"	26

The 24SR and 36SR frames are made of 14 Ga. steel. The 48SR frame is made of 12 Ga. steel. All frames are 4"D with mounting front and rear.

Certifications: UL Listed 2416 and UL 60950-1

Construction: Steel

Finish: Black Textured Powder Coat

Grounding: Studs on side brace and swing frame with bonding lead

Rail Type: Tapped #12-24 mounting holes, front and rear

PARTS LIST

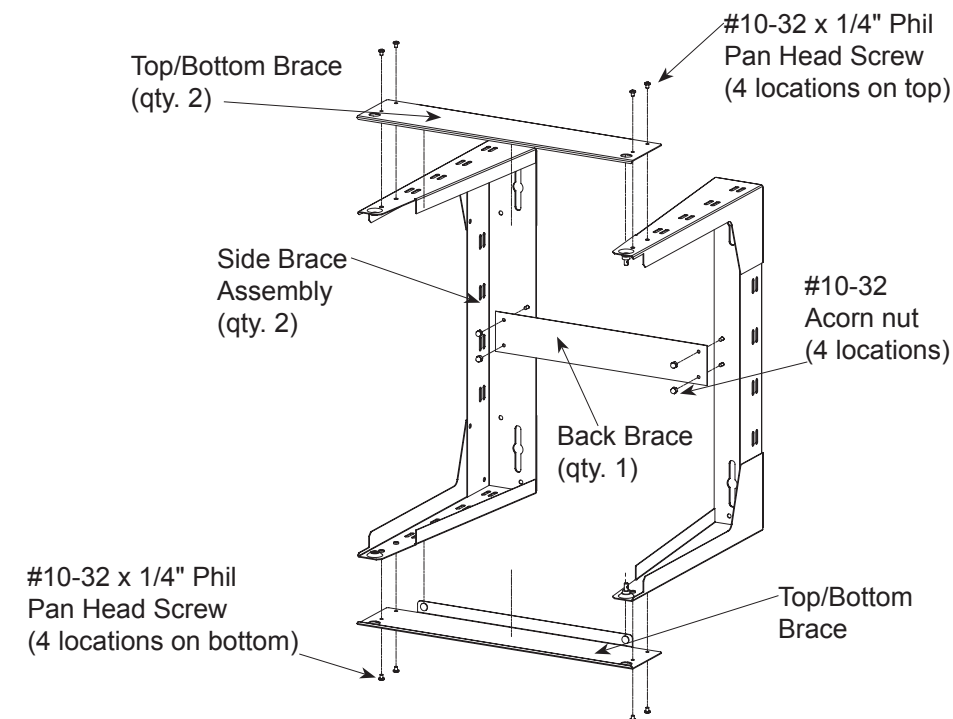| COMPONENT	QTY.
TOP AND BOTTOM BRACE	2
SWING FRAME ASSEMBLY	1
SIDE BRACE ASSEMBLY	2
REAR BRACE PANEL	1
#10-32 ACORN NUT	4
#10-32 X 1/4" PHIL PAN HD SCREWS, TYPE 23, BLACK	8
1/4-20 X 3/4"L FLAT HEAD SCREW W/ NYLON LOCKING PELLET	2
BLACK NYLON SPACER (0.50 OD, 0.26 ID 0.187 TH)	2
EQUIPMENT MTG. HARDWARE: #12-24 X 1/2" PHIL PAN HD SCREWS, TYPE 23	50
GROUNDING KIT	
2 BARREL GROUND LUG	1
1/4-20 X 5/8" PHILLIPS HEAD SCREW WITH EXTERNAL TOOTH WASHER	2
1/4-20 KEPS NUT WITH EXTERNAL TOOTH LOCK WASHER	3
JUMPER WIRE	1
INSTRUCTION MANUAL	1

TOOLS REQUIRED: 3/8" NUT DRIVER, PHILLIPS HEAD SCREWDRIVER
Special Note: Item #7 used to mount equipment to swing rack.

STEP 1

Place the back brace onto the four threaded studs on the two side brace assemblies. Secure with four #10-32 acorn nuts. Tighten with 3/8" nut driver.

Install the top brace to the outside of the two side brace assemblies with four #10-32 x 1/4" Phillips Pan Head screws, but do not tighten screws; install the bottom brace in the same manner. The large formed edge of the top/bottom braces mount towards the rear and the inside of the swing rack.
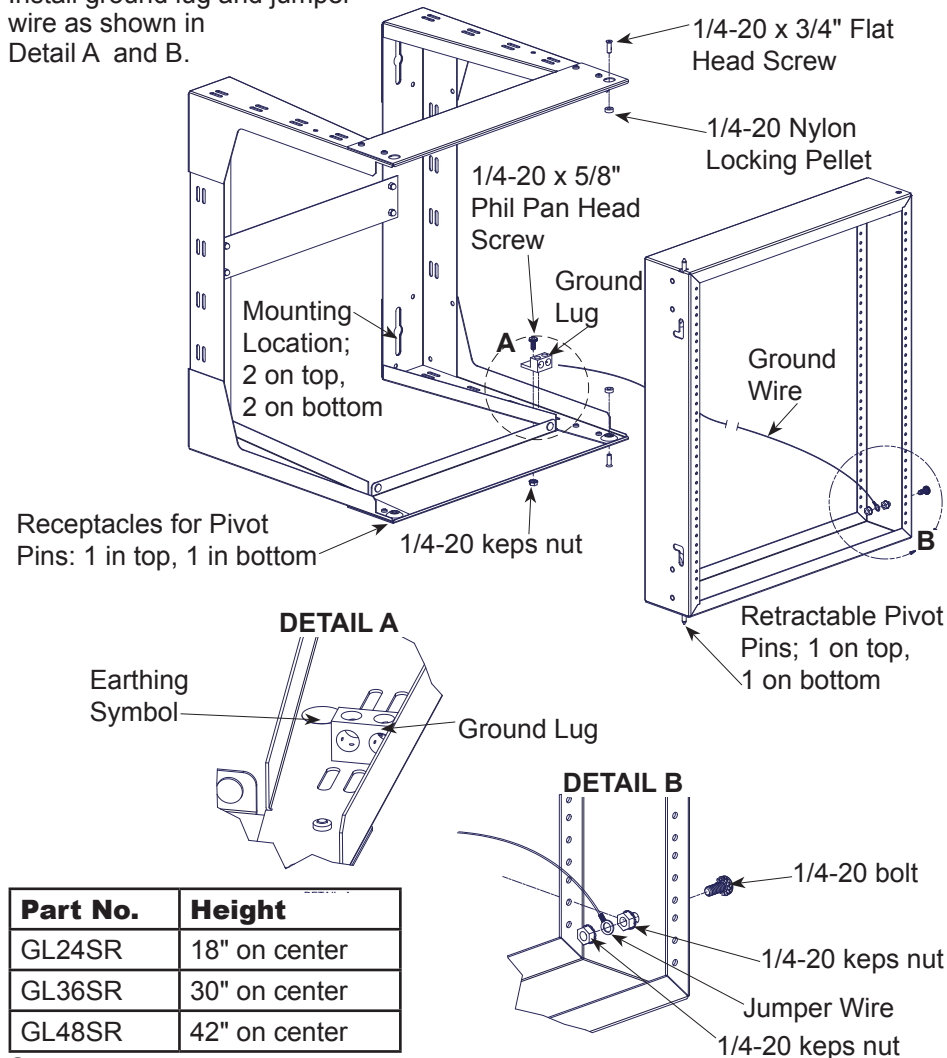

Top/Bottom Brace (qty. 2)

#10-32 x 1/4" Phil Pan Head Screw (4 locations on top)

Side Brace Assembly (qty. 2)

#10-32 Acorn nut (4 locations)

Back Brace (qty. 1)

#10-32 x 1/4" Phil Pan Head Screw (4 locations on bottom)

Top/Bottom Brace

STEP 2

Mount the rear assembly to the wall with four lag screws *(not provided).* Mounting locations are as shown.

Install the 19" EIA Swing Frame by retracting both pins. The pins can be locked out for ease of assembly by retracting the outside pin into the slot provided. The retractable pins are to be near the front of the Swing Frame when installing.

Release the lower pin then, align the top pin to the top receptacle and release pin. Place 1/4-20 Screw through the hole in bottom (opposite pin hinge). Assemble spacer on exposed threads on inside of swing rack and close Swing Frame. Tighten screw by screwing into pem nut in Swing Frame. Repeat screw/spacer assembly for top. Finally, tighten 8 screws on the top and bottom braces.

Install ground lug and jumper wire as shown in Detail A and B.

1/4-20 x 3/4" Flat Head Screw

1/4-20 Nylon Locking Pellet

1/4-20 x 5/8" Phil Pan Head Screw

Ground Lug

Mounting Location; 2 on top, 2 on bottom

A

Ground Wire

B

Receptacles for Pivot Pins: 1 in top, 1 in bottom

1/4-20 keps nut

Retractable Pivot Pins; 1 on top, 1 on bottom

DETAIL A

Earthing Symbol

Ground Lug

DETAIL B

1/4-20 bolt

1/4-20 keps nut

Jumper Wire

1/4-20 keps nut

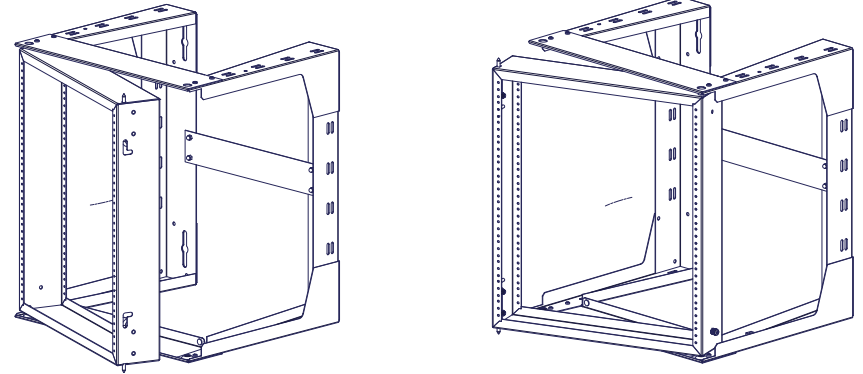| Part No.	Height
GL24SR	18" on center
GL36SR	30" on center
GL48SR	42" on center

UNIVERSAL

The 19" EIA Swing Frame Rack can be hinged (retractable pin) on either side. Customer needs to determine which side is to open. To open, simply retract both pins (top and bottom) and then open the Swing Frame Rack similar to that of a door.
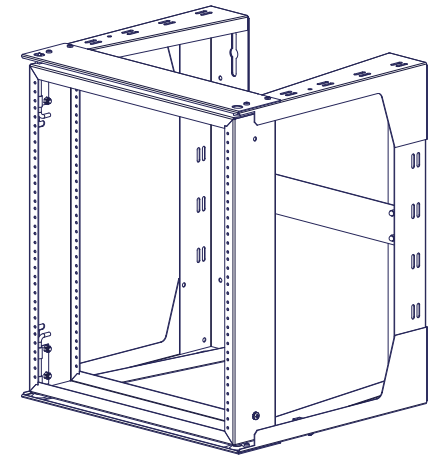
LEFT HAND SWING　　**OR**　　**RIGHT HAND SWING**

CAUTION:

When installing 19" EIA equipment, make sure both retractable pins (2) are secured into the rear section that has been mounted to the wall. Be sure all screws, nuts, and mounting hardware are tightened before loading with equipment.

Secure retractable pins into receptacle (2 locations)

Thank you for your business!

FORM: #MS - 5.02-12, REV 7