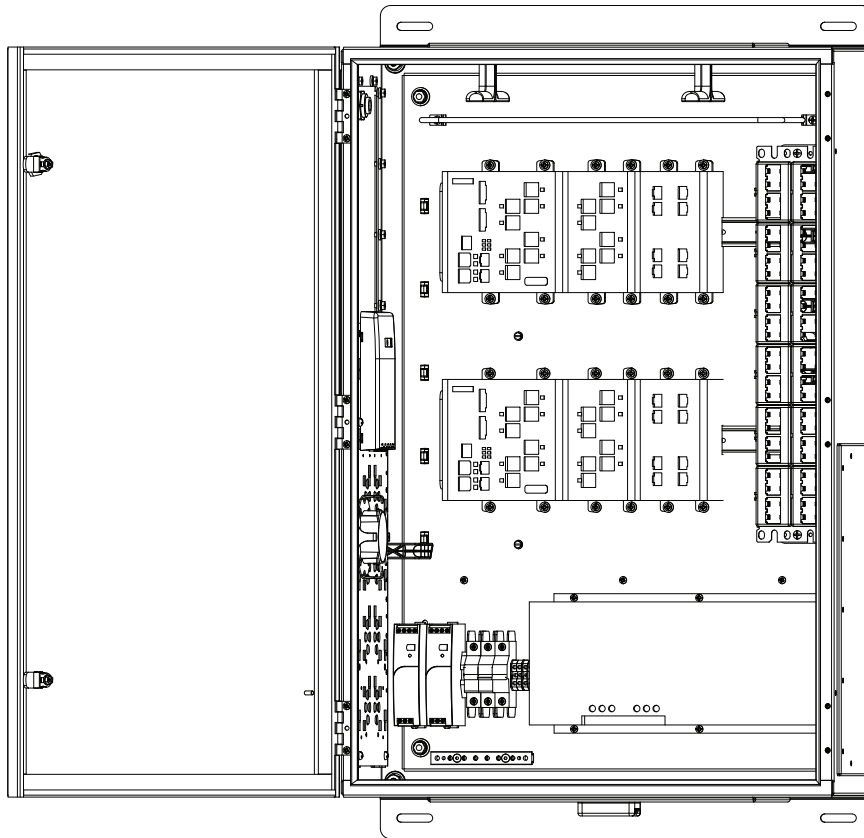


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Z23N-*****

Integrated Network Zone System Z23N-*** configurations include an enclosure with required connectivity and cable management, internal factory-connected wiring and includes partner equipment as specified on the Field Wiring Diagram supplied inside each unit. Depending upon the configuration, condensate drains or vents may be included.**

Additional partner equipment may include one or more of the following DIN-Rail mountable items:

- a). Industrial automation switch
- b). Industrial automation switch expansion module
- c). Power supply
- d). UPS (uninterruptable power supply)
- e). Circuit breaker
- f). Battery
- g). Wiring terminal
- h). Field-wiring terminal for customer-supplied ground
- j). Field-wiring terminal for customer-supplied power input wiring

SAFETY INFORMATION

The information and instructions contained in this document are not intended to be utilized as a substitute for proper training and experience in the safe installation and operation of product. Prior to installation, it is the Buyer's responsibility to consult with the appropriate local Authority Having Jurisdiction (AHJ) for all applicable codes, permits, regulations and standards.

This product, including any equipment that may be installed inside, should only be installed and serviced by a licensed electrical contractor, or competent technician, that meets the following qualifications;

- Is thoroughly familiar with this product and the instructions for installation and operation
- Is trained (accredited) in industry-accepted safe operating practices and procedures regarding identification and mitigation of high- and low- voltage hazards and situations.
- Is trained to identify and install appropriately-sized Branch Circuit Disconnect(s) with appropriately-sized Branch-Circuit Protective Rating and Short-Circuit Current Rating (SCCR), before connecting Panduit product to the branch circuit.
- Is trained and authorized to energize, de-energize, clear and ground power distribution equipment.
- Is trained in the care and use of appropriate PPE (personal protective equipment) including, but not limited to; arc-flash protective clothing, safety glasses, face shield, hard hat, gloves and non-conductive tools (clamp stick, hot stick, etc.).

WARNING



Be sure wall is capable of supporting cabinet and equipment.

DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITIES

The practices contained herein are designed as a guide for use by persons having technical skill at their own discretion and risk. Panduit does not guarantee any favorable results or assume any liability in connection with these instructions. Local, State, Federal, and Industry Codes and Regulations, as well as manufacturers requirements, must be consulted before proceeding with any project. Panduit Corp. makes no representations of nor assumes any responsibility for the accuracy or completeness set forth herein. **Panduit disclaims any liability arising from any information contained herein or for the absence of same.**

Wall Mounting

Enclosure may be mounted on any wall utilizing Unistrut or by drilling directly into any concrete wall. There are two mounting hole locations on the top flange and two locations at the bottom flange.

Step 1:

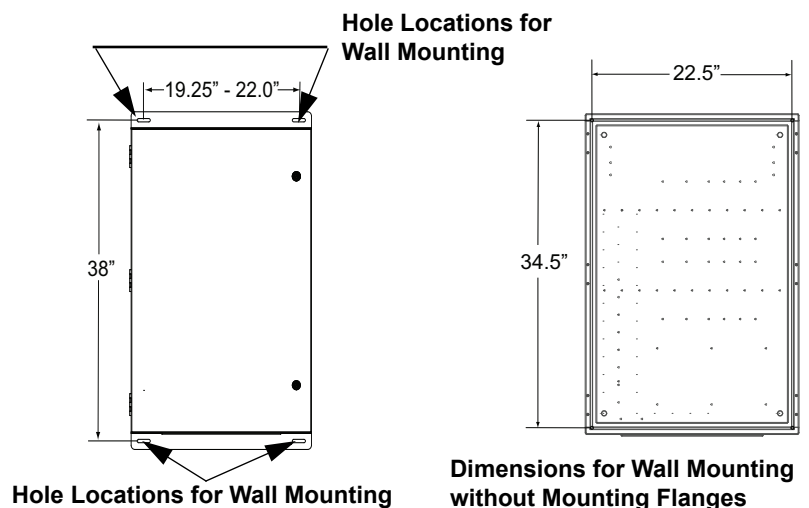
Drill holes 19.25"-22" apart horizontally and 38" apart vertically.

Step 2:

Mount the enclosure with the locks to the right and secure.

If mounting flanges are not used:

The holes in the wall will be 22.5" apart horizontally and 34.5" apart vertically.



Wall Mounting Bracket Installation

Note: The enclosure may be mounted to the wall without the mounting brackets

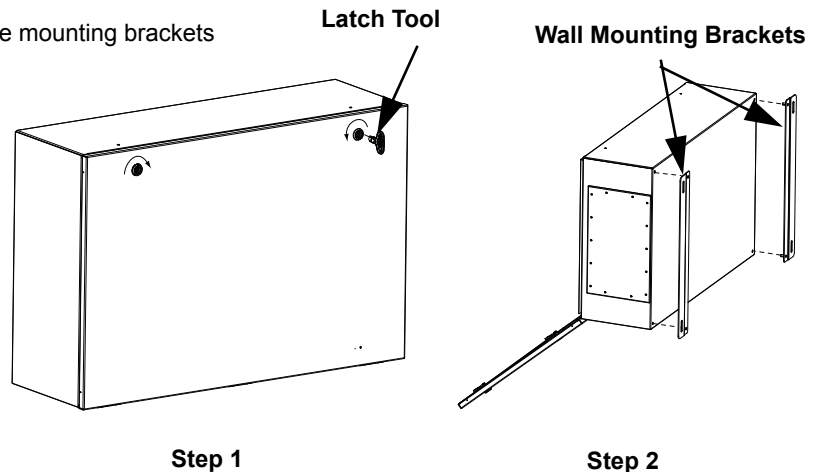
Step 1: Turn enclosure on its side with the locks oriented towards the top. Using Latch Tool, turn both locks towards each other to open door.

Step 2: Install Wall Mounting Brackets into back of the enclosure aligning threaded studs on brackets to holes located in back of the enclosure. Be sure obround mounting holes on the wall mounting bracket align outward.

Step 3: Secure Wall Mounting brackets using (1) 5/16" Sealing Washer and (1) 5/16-18 Hex Nut per threaded stud. **Torque maximum is 15 in-lbs.**

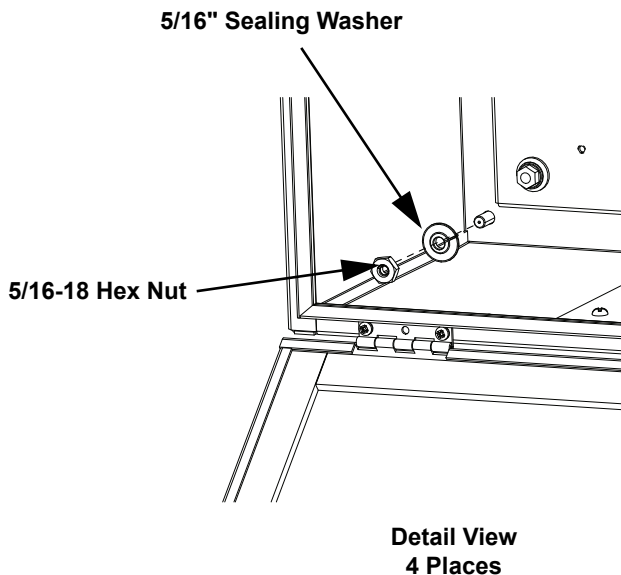
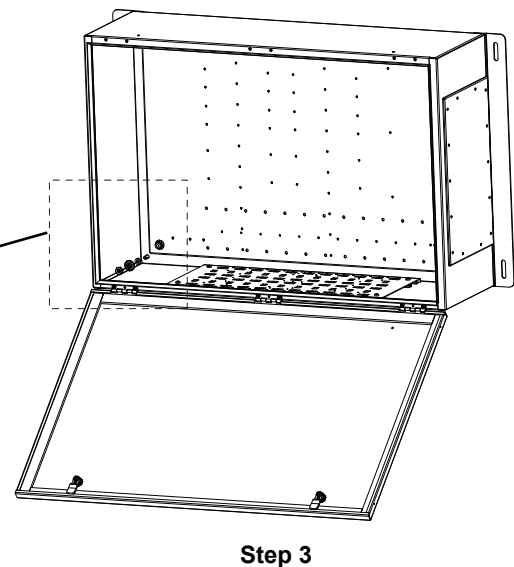
Step 4: Close Door. Using Latch Tool, turn both locks counterclockwise to secure the door.

If Mounting Flanges are not used: Use 5/16" Sealing Washer (supplied) and a 5/16" Bolt (not supplied) in the locations where the threaded studs in the mounting flanges would go to mount enclosure directly to wall.

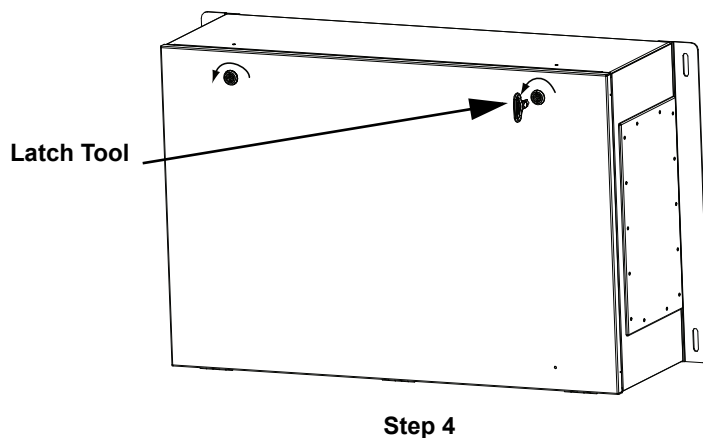


Step 1

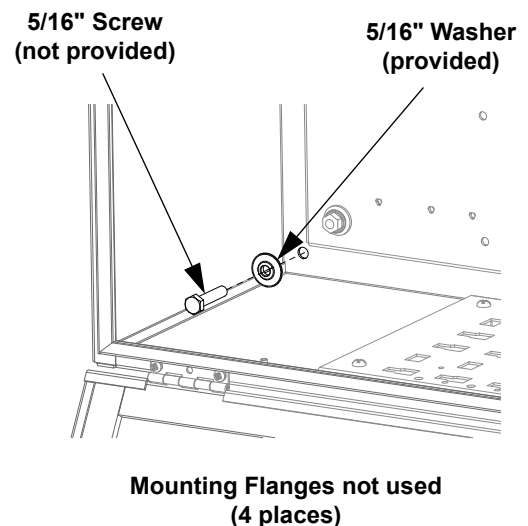
Step 2

Detail View
4 Places

Step 3



Step 4

Mounting Flanges not used
(4 places)

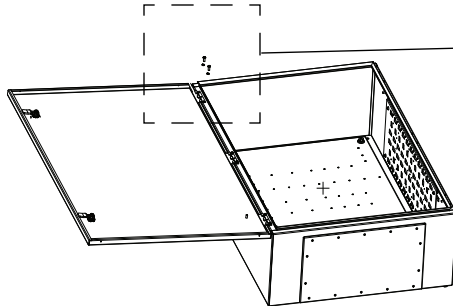
Reversible Door

The enclosure comes with the door opening to the left.

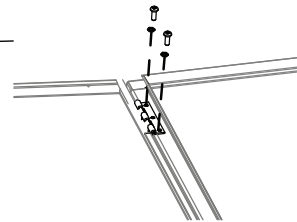
The door may be reversed to open to the right.

Step 1: Remove screws and washers from door hinges.

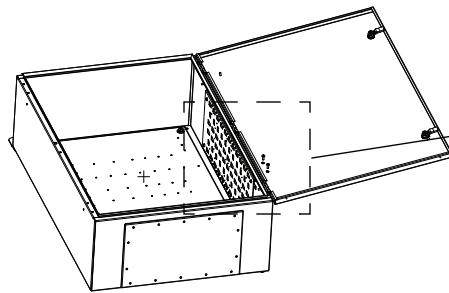
Step 2: Turn door 180 degrees and mount to opposite side of enclosure using same screws and washers.



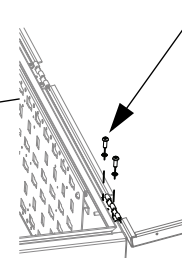
Step 1



Detail View-3 Places



Step 2



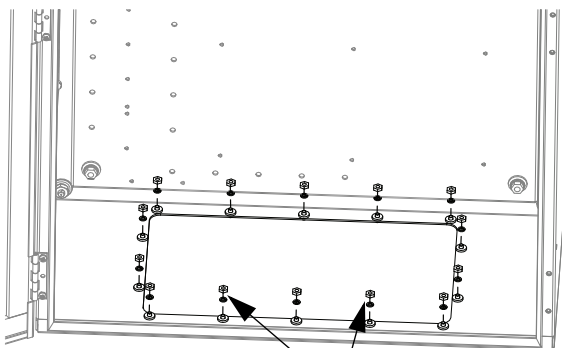
Detail View-3 Places

Torque 33 in-lbs.

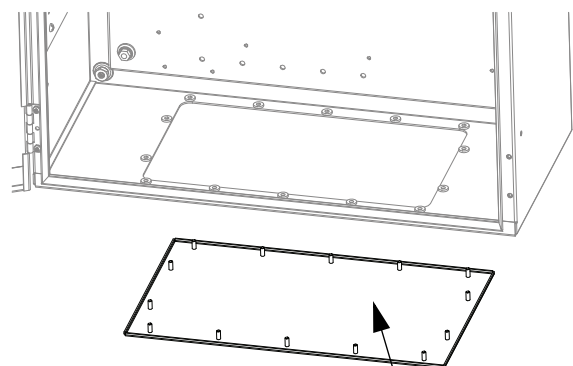
Removable Gland Plate

The Gland Plate, located on all sides of the enclosure, is removable for machining to accept bulkhead connectors or compression fittings. To remove gland plate, unfasten the (14) nuts, (14) split-ring washers and (14) flat washers attached to the threaded studs of the gland plate and remove plate from the enclosure.

When reinstalling the gland plate, ensure the nuts are tightened until the gland plate flanges make contact with the enclosure surface.

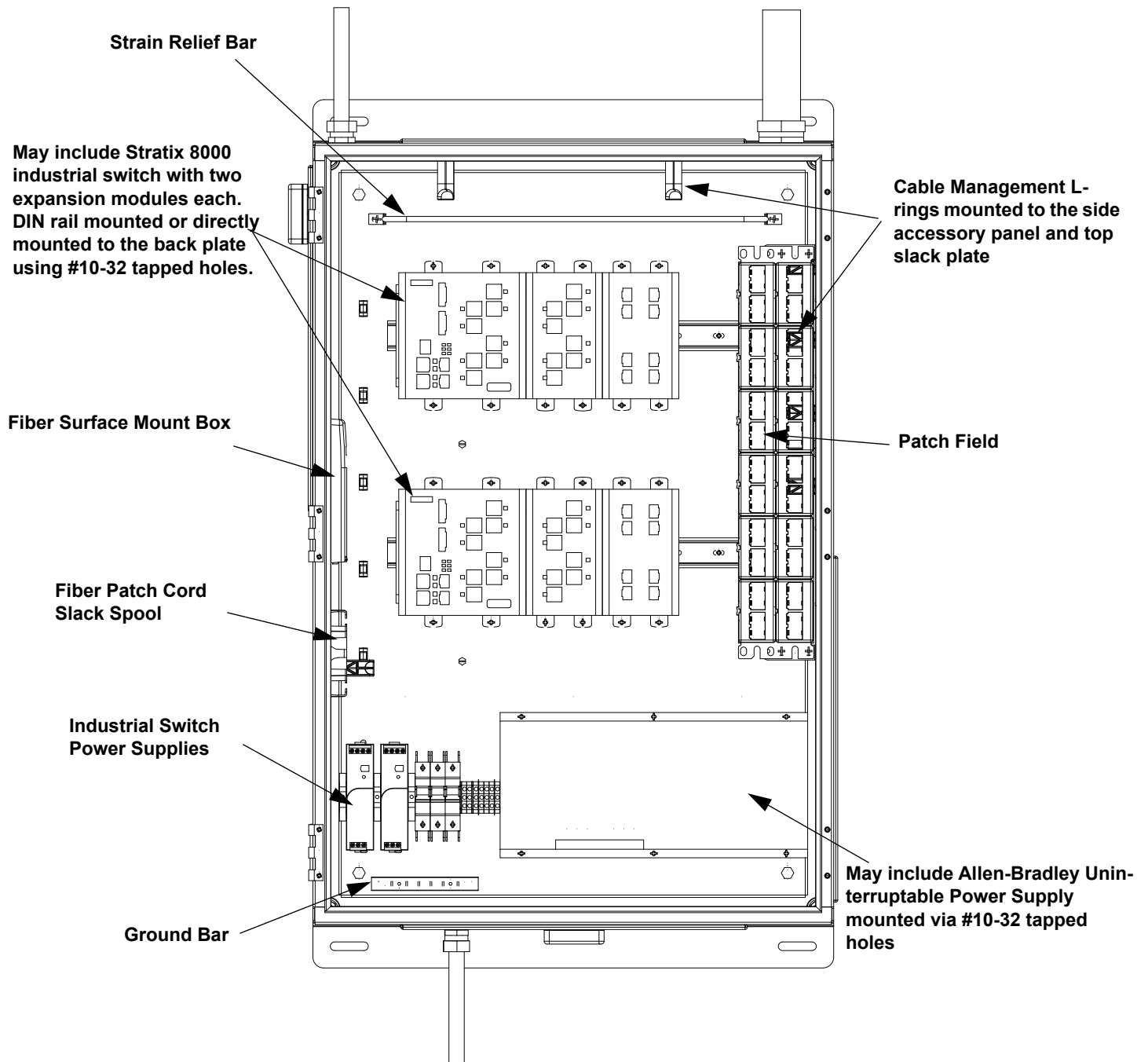


Remove nuts and washers

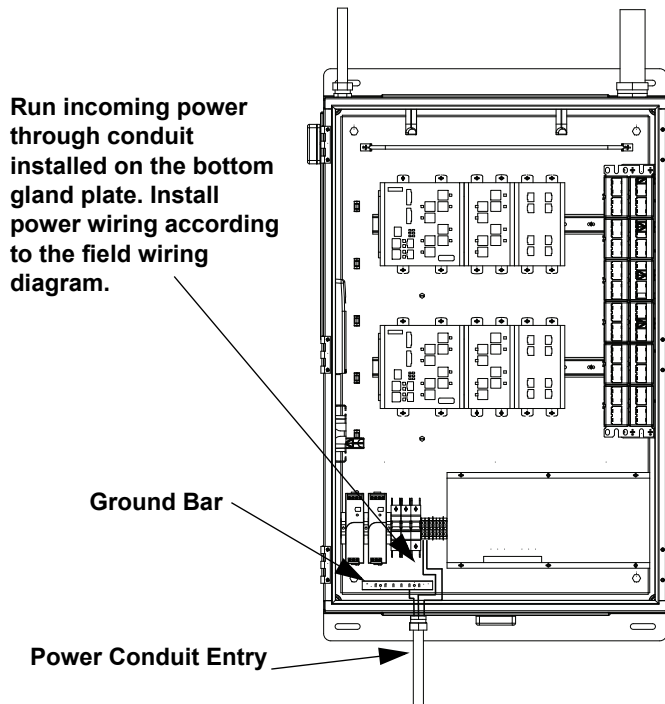


Gland Plate

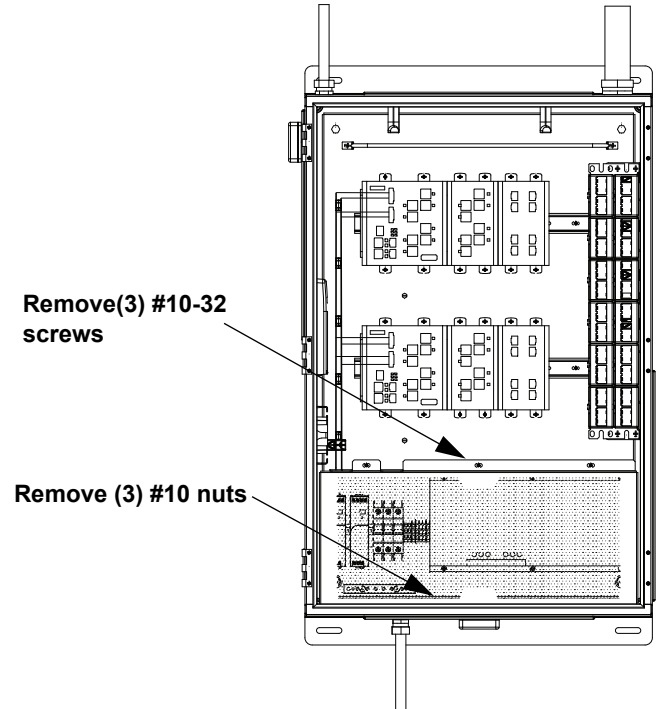
System Layout



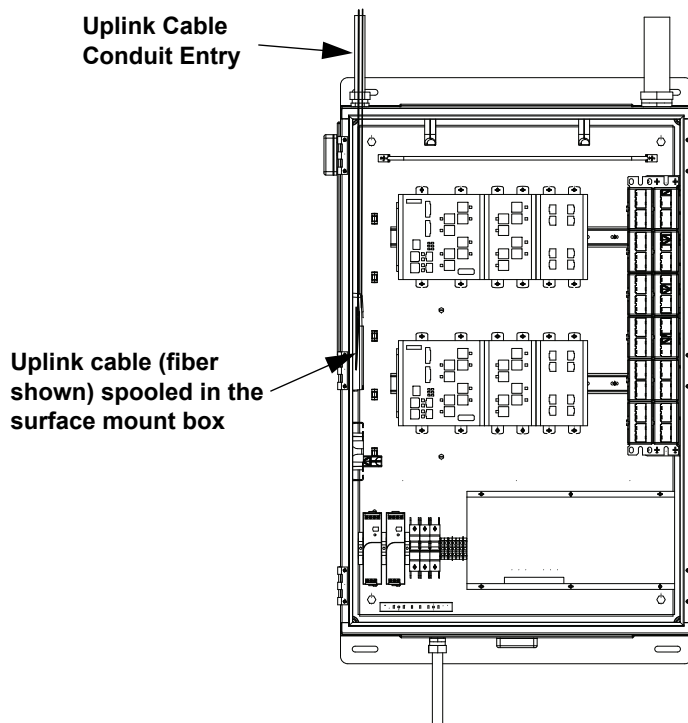
Recommended Installation Instructions for Power Entry



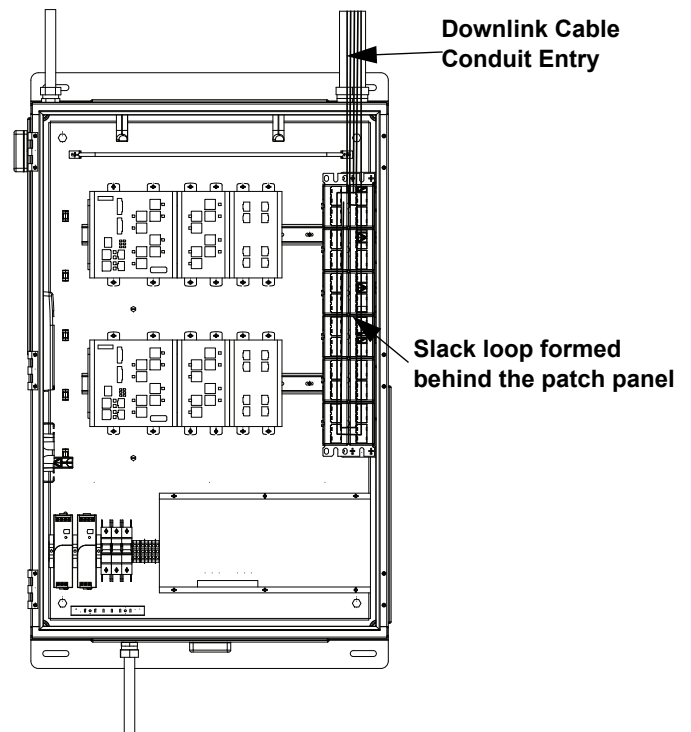
Cage Removal



Recommended Installation Instructions for Uplink Entry



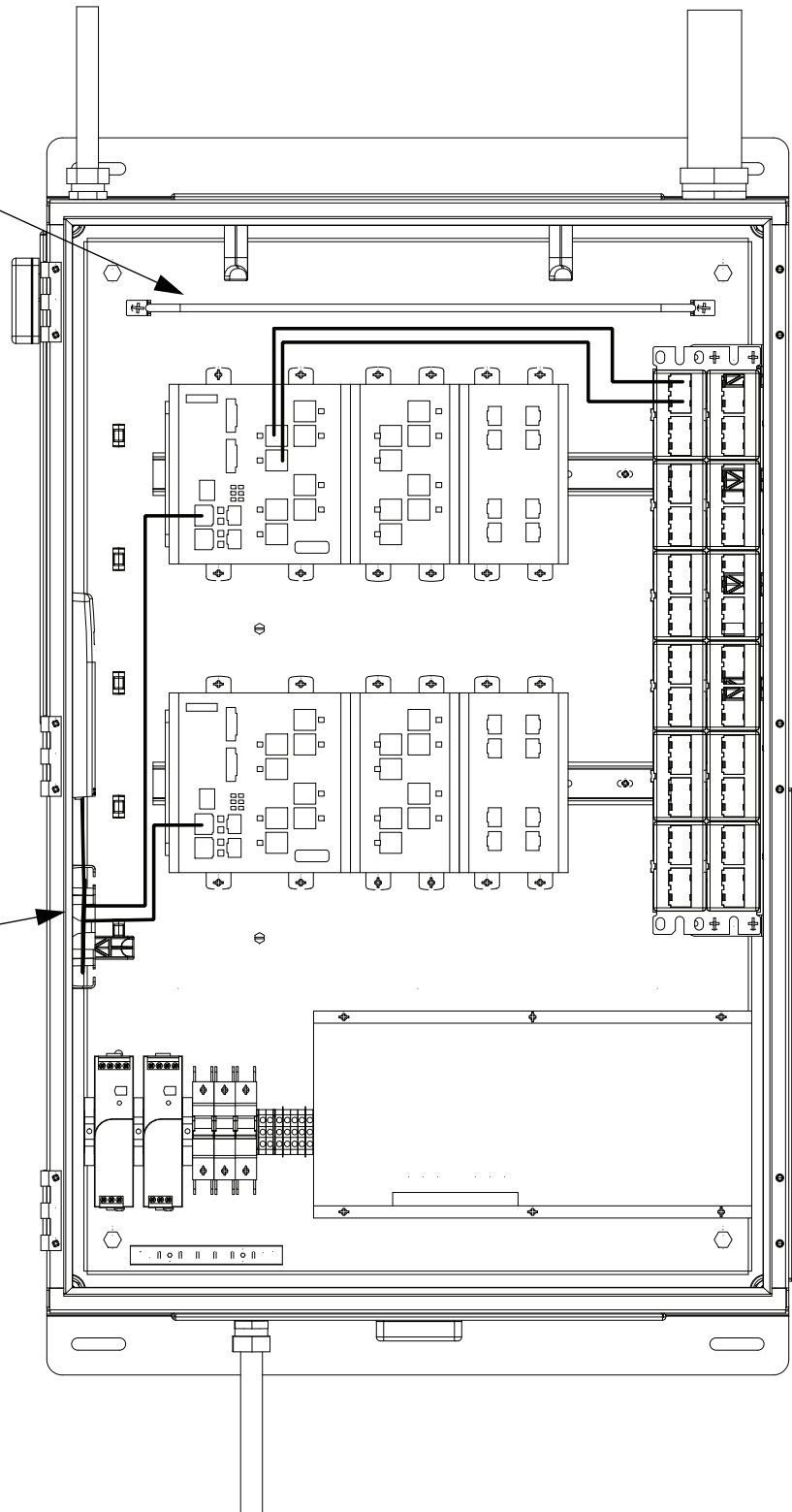
Recommended Installation Instructions for Downlink Entry



Recommended Installation Instructions for Patch Cord Routing

Patch cords supported
by the strain relief bar
and L-ring managers,
routed from the switch
to the patch panel

Fiber patch cord from
surface mount box, slack
on the side mounted
spool and route to the
switch



For Instructions in Local Languages
and Technical Support:

www.panduit.com/resources/install_maintain.asp

PANDUIT
www.panduit.com

E-mail:
cs@panduit.com

Fax:
(708) 444-6448