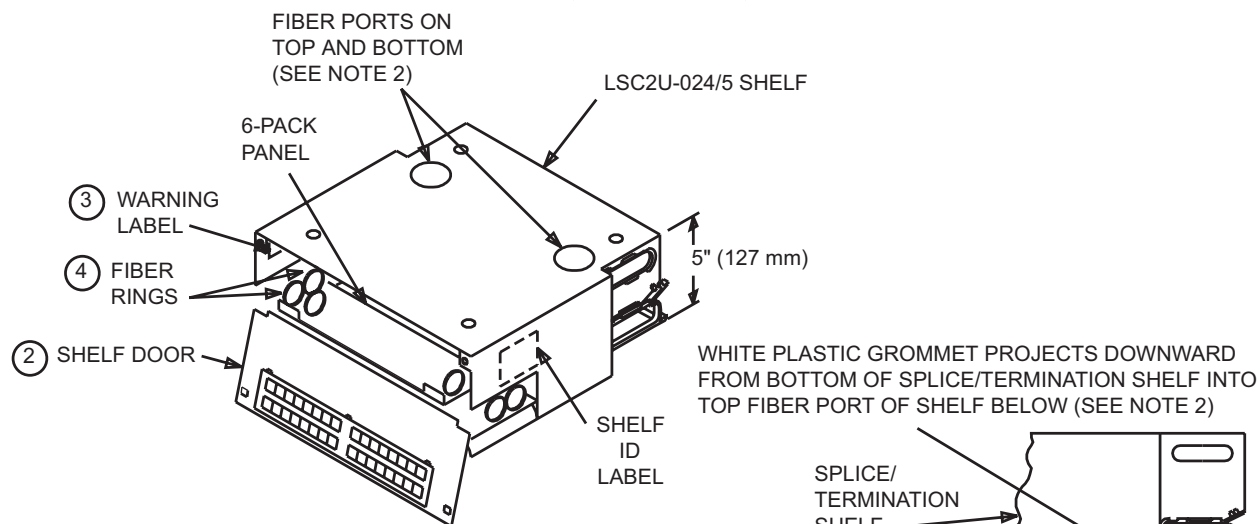


STEP 1—CHECK PARTS AND INSTALL LABELS, GROMMETS, AND RINGS



LOOSE PARTS FURNISHED WITH SHELF (1)

ID NO.*	DESCRIPTION	QUAN.
846 247 435	Mounting Bracket	1
846 247 443	Mounting Bracket	1
—	Fiber Rings	13
—	Warning Label	2
—	Shelf ID Label	1
848 067 369	Cable Clamp Brackets	2
—	White Plastic Grommets	2
—	Misc. Screws and Nuts	—
—	Bend Limiter, Upper	2
—	Bend Limiter, Lower	2

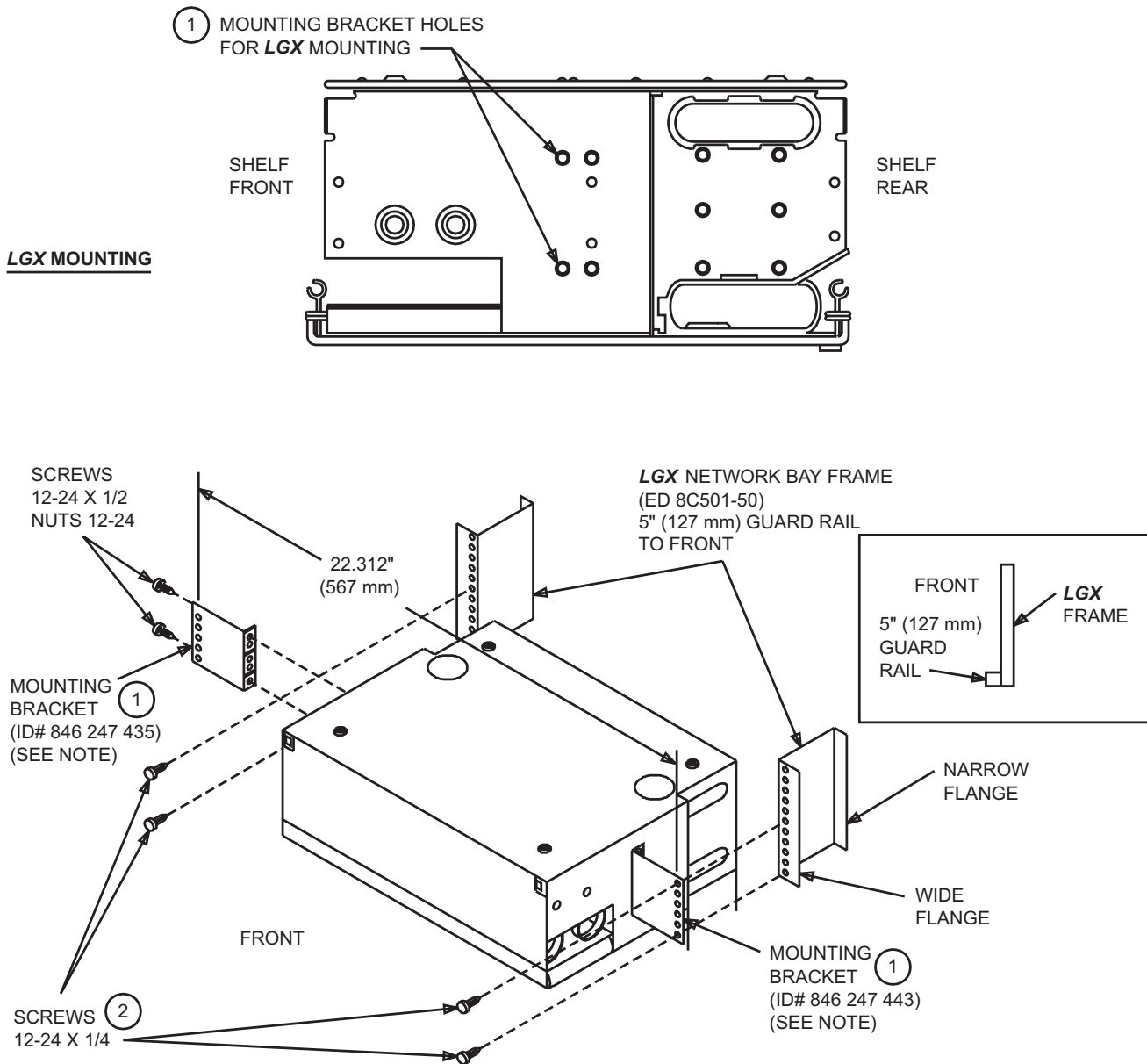
* For ID purposes, not for ordering.

Note 1: This product is intended for indoor use, or outdoors in a suitable protective enclosure.

Note 2: Grommets installed in fiber ports allow fibers to be routed internally to other shelves. To install grommets, remove bottom two fiber port plugs. Install grommets from inside shelf projecting downward as shown above. When mounting splice/termination shelf above another shelf, remove top fiber port plugs in shelf below. When mounting under another shelf, remove top two fiber plugs in splice/termination shelf.

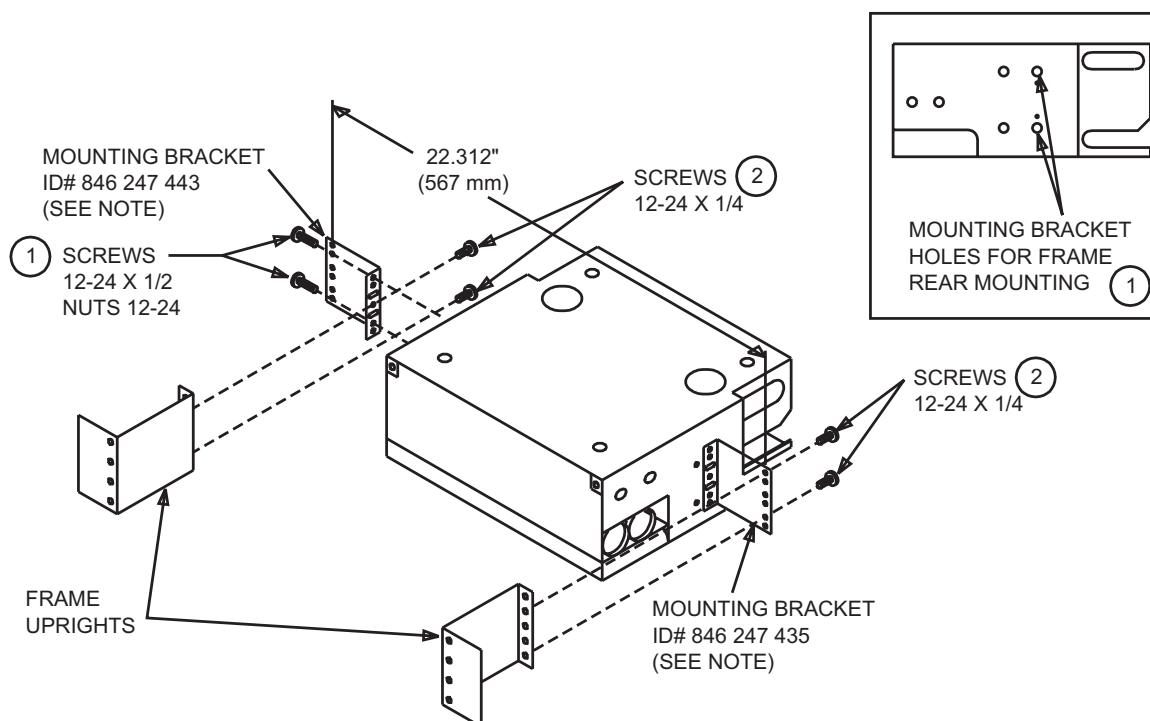
1. Verify parts against parts list. Splice organizer and connector panels or build-out blocks used with this shelf are ordered/provided separately.
2. Rotate front door fasteners 1/4 turn and tilt open shelf front door.
3. Apply warning labels to either inside wall of shelf, one in front of 6-pack panel and one behind panel.
4. Apply shelf ID label to inside wall of shelf.
5. Position and snap fiber rings into front and back of shelf as shown on Page 7.
6. Return front door to closed position and rotate fasteners 1/4 turn to secure.

STEP 2—INSTALL SHELF MOUNTING BRACKETS AND MOUNT SHELF—**LGX**® FRAME



Note: Mounting brackets are not interchangeable. Mount brackets to shelf per ID numbers shown above.

1. Position and attach each mounting bracket to shelf using proper mounting holes (see above) with two 12-24 by 1/2 screws and 12-24 nuts (with captive lockwashers).
2. Install shelf to front of **LGX** frame with two 12-24 by 1/4 screws per mounting bracket.

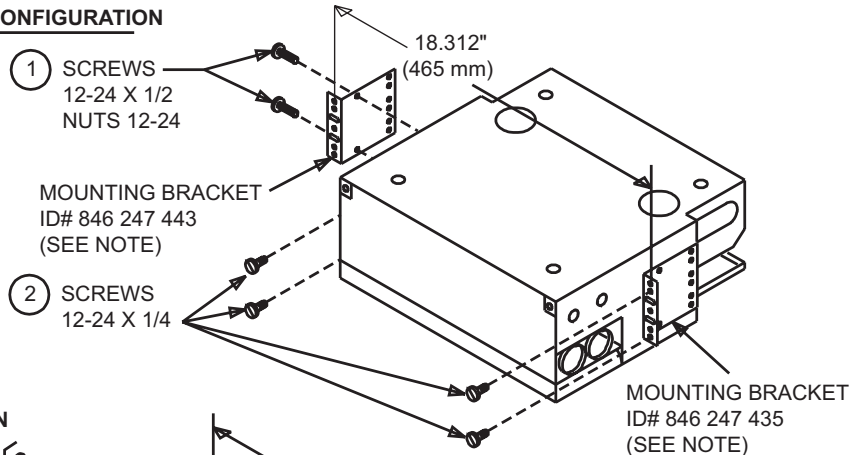
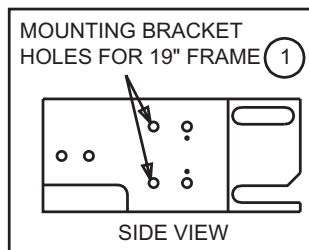
STEP 2—INSTALL SHELF MOUNTING BRACKETS AND MOUNT SHELF—OTHER THAN LGX® FRAME**23" (584 mm) FRAME REAR MOUNTING**

Note: Mounting brackets are not interchangeable. Mount brackets to shelf per ID numbers shown above.

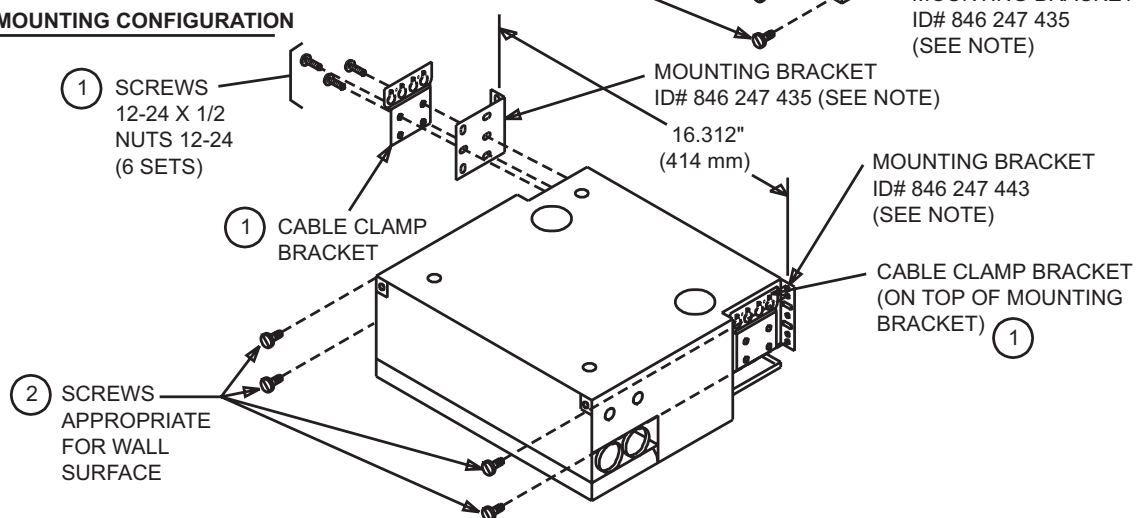
1. Position and attach each mounting bracket to shelf using proper mounting holes (see above) with two 12-24 by 1/2 screws and 12-24 nuts (with captive lockwashers).
2. Install shelf to frame with two 12-24 by 1/4 screws per mounting bracket.

STEP 2—INSTALL SHELF MOUNTING BRACKETS AND MOUNT SHELF—OTHER THAN LGX® FRAME

19" (483 mm) FRAME MOUNTING CONFIGURATION



WALL MOUNTING CONFIGURATION



Note: Mounting brackets are not interchangeable. Mount brackets to shelf per ID numbers shown above.

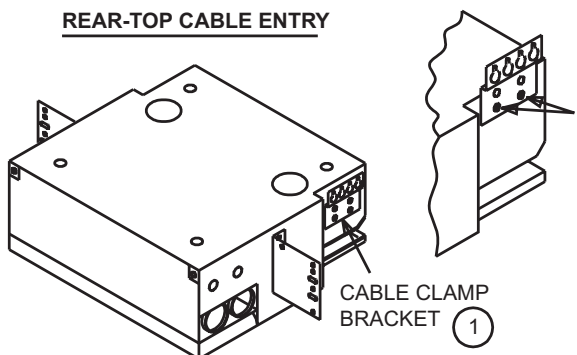
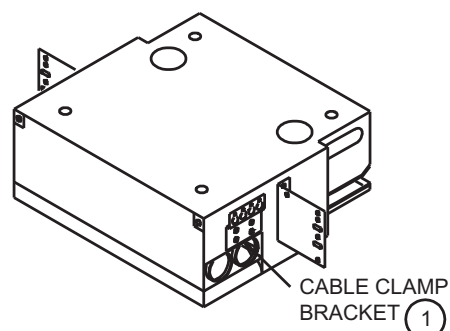
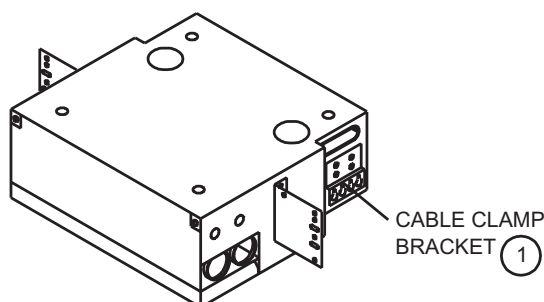
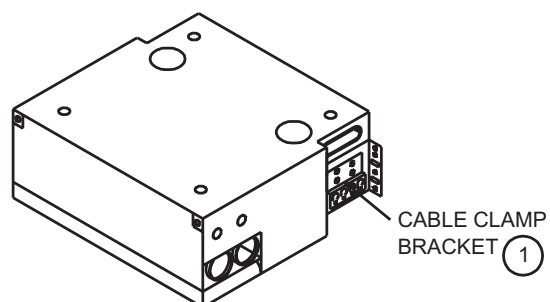
19-INCH (483 mm) FRAME MOUNTING:

1. Position and attach each mounting bracket to shelf using appropriate mounting holes (see above) with two 12-24 by 1/2 screws and 12-24 nuts (with captive lockwashers).
2. Install shelf to 19-inch frame with two 12-24 by 1/4 screws per mounting bracket.

WALL MOUNTING:

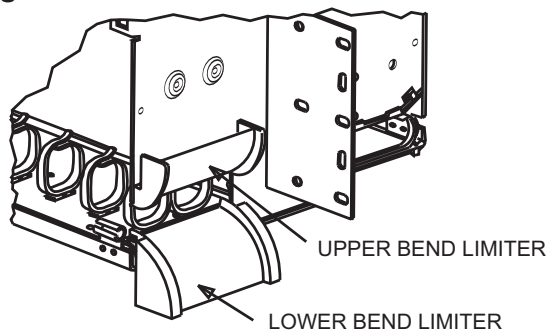
Note: Illustration above is for wall mounting with top cable entry. For wall-mounted bottom cable entry, see illustration on Page 5. Shelf may also mount on 134-type wall bracket.

1. Position and install both mounting bracket and cable clamp bracket to side of shelf with three 12-24 by 1/2 screws and 12-24 nuts (with captive lockwashers). Screws go through both brackets. Repeat same for opposite side of shelf.
2. Install shelf to wall surface with two fasteners (locally obtained) per mounting bracket. Fasteners must be appropriate for wall surface.

STEP 3—INSTALL CABLE CLAMP BRACKETREAR-TOP CABLE ENTRYCEV FRAME FRONT-TOP CABLE ENTRYREAR-BOTTOM CABLE ENTRY(WALL-MOUNTED) REAR-BOTTOM CABLE ENTRY

Note: Some OSP cables using top or bottom entry may require cable clamp bracket to be installed using last holes in shelf and bracket to maintain proper fiber bend radius into shelf.

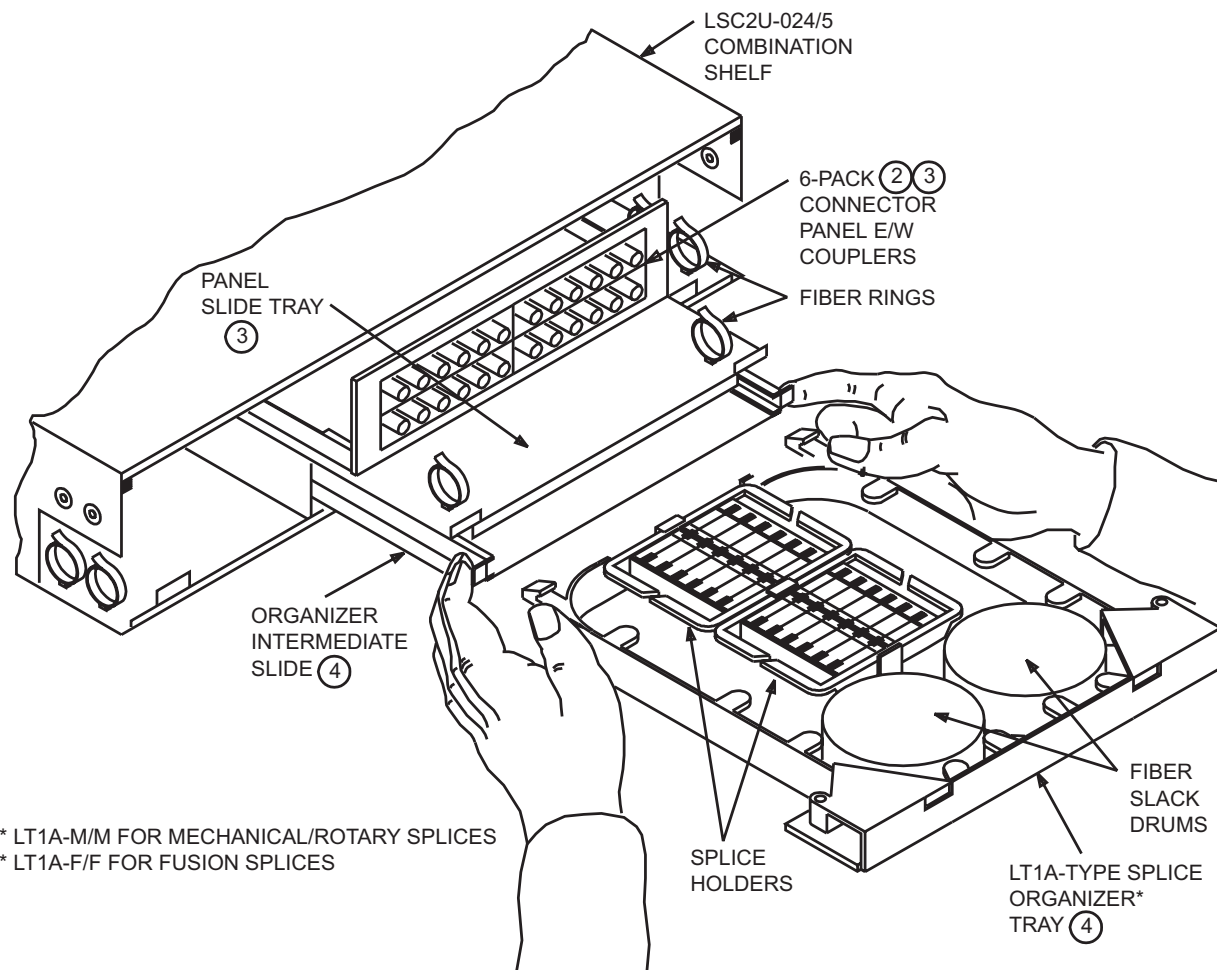
1. Position and install each cable clamp bracket to sides of shelf with two 12-24 by 3/8 screws and 12-24 nuts (with captive lockwashers). For wall-mounted shelves, cable clamp brackets were previously installed with mounting brackets.

STEP 4—INSTALL BEND LIMITERS

1. Install upper and lower bend limiters in the jumper ports on the left and right side of the shelf. The lower bend limiters are installed by snapping them into position. The upper bend limiters are installed using double-sided foam tape provided. Make sure surface of shelf is clean, peel release paper from tape on upper bend limiter, and press into position.

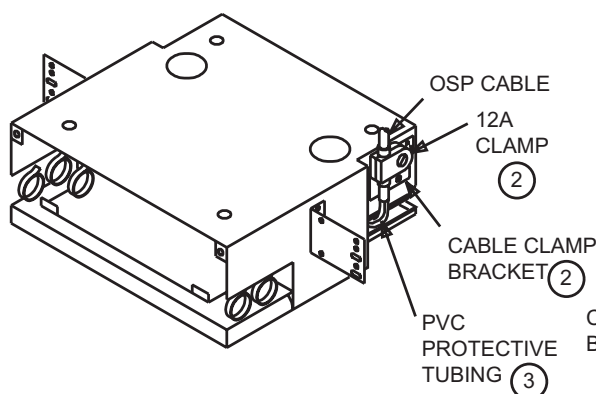
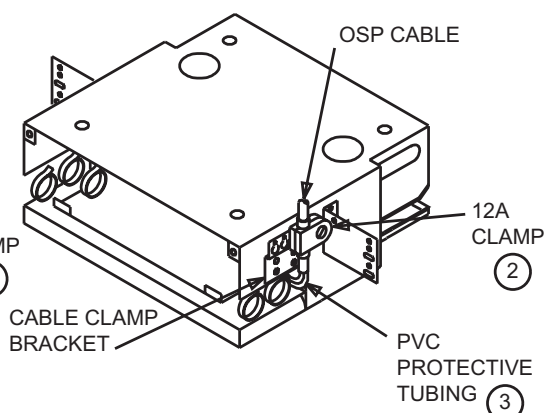
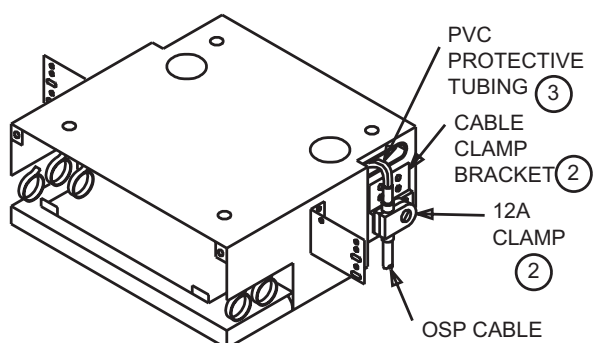
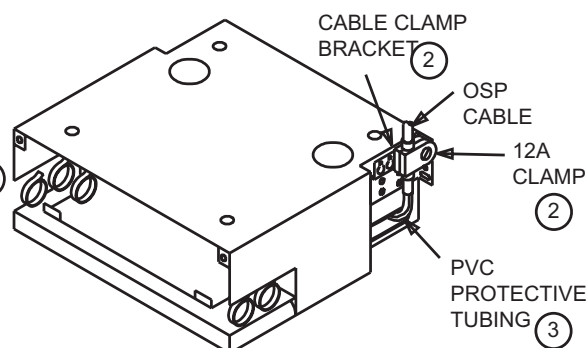
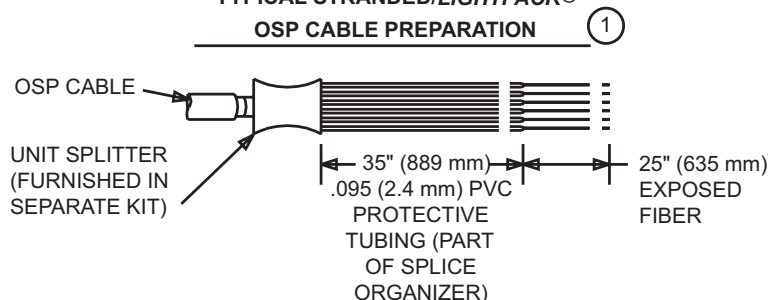
Note: Order Comcode 107 330 565, Set Bend Limiters (Multipack), to equip existing shelves with bend limiters. Each multipack will equip five shelves.

STEP 5—INSTALL 6-PACK CONNECTOR PANELS AND LT1A-TYPE SPLICE ORGANIZER



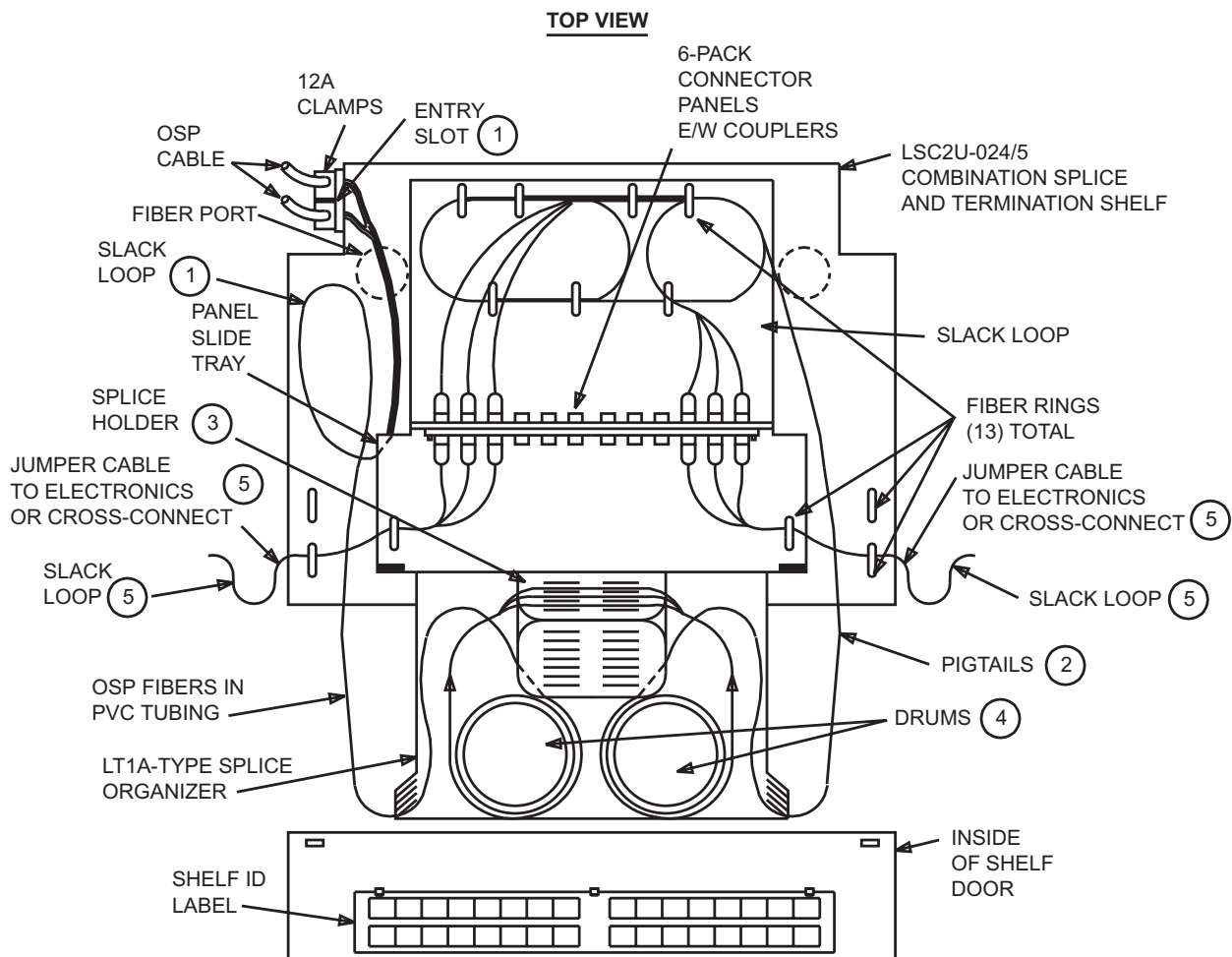
Note: Couplers, connector panels, build-out blocks, and LT1A-type splice organizer used with shelf are ordered/provided separately. Splice organizers may be installed in rear of shelf for special applications.

1. Rotate front door fasteners 1/4 turn. Tilt to align with slots in hinges and remove.
2. Install couplers (if used) to 6-pack connector panels. Six-pack biconic build-out blocks do not require build-out installation prior to installing.
3. Install 6-pack connector panels or build-out blocks to shelf panel. Six-packs can be installed easier with panel slide tray pulled out of shelf.
4. Install LT1A-type intermediate slide and splice tray into LSC2U-024/5 shelf. For more detailed instruction, see 636-299-103-15, "LT1A SPLICE ORGANIZER INSTALLATION."

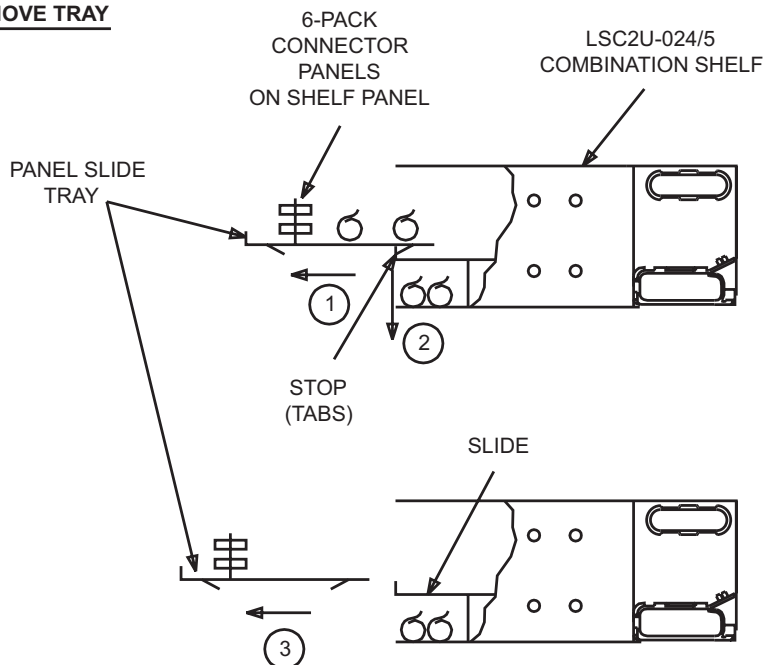
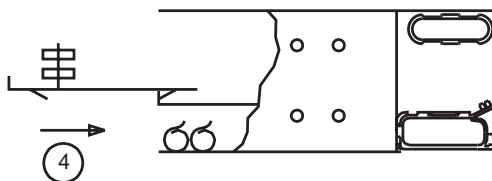
STEP 6—SECURE AND GROUND OUTSIDE PLANT (OSP) CABLE**REAR-TOP CABLE ENTRY****CEV FRAME FRONT-TOP CABLE ENTRY****REAR-BOTTOM CABLE ENTRY****(WALL-MOUNTED) REAR-TOP CABLE ENTRY****TYPICAL STRANDED/LIGHTPACK®
OSP CABLE PREPARATION**

1. Prepare stranded **Lightpack** cables typically as shown above using unit splitter. See 636-299-110 for cable preparation procedures for this and other types of cable.
2. Secure and ground OSP metallic cables to cable clamp bracket and frame or suitable ground, respectively, with 12A1 clamps. Refer to 636-299-110 for details. Use 12A2 cable clamps with nonmetallic cable. The 12A clamps are ordered/provided separately, one per OSP cable to be secured.
3. Route OSP cable fibers into shelf for splicing or buffering, connectorization, and termination to connector panels or build-out blocks as shown above.

STEP 7— SPLICE AND CONNECT FIBERS TO 6-PACK CONNECTOR PANELS



1. From entry slot, route OSP fibers alongside splice organizer making slack loop to allow organizer to slide easily in and out. The fibers can then be routed into splice organizer or, optionally, direct-terminated on rear of connector panel, eliminating need for splice organizer.
2. Connect pigtail connectors to rear of connector panels. Route pigtails as shown, leaving slack so organizer and 6-pack panel shelf slide easily.
3. Splice OSP fibers to pigtails and place into splice holders.
4. Loosely coil and slide excessive slack around drum and down into storage area in base of splice organizer. Slide splice organizer tray into intermediate slide. For more detailed instruction, see 636-299-103-15, "LT1A SPLICE ORGANIZER INSTALLATION."
5. Install build-outs to front of biconic build-out blocks, if used. Connect jumper cables to couplers or build-outs on front of connector panels. Route fiber jumper cables, as shown, through openings in sides of shelf, leaving enough slack to allow panel to slide out freely.

STEP 8—TO REMOVE AND REINSTALL PANEL SLIDE TRAY**REMOVE TRAY****REINSTALL TRAY**

1. To remove panel slide tray, open shelf front door. Pull tray out from shelf until the stop is engaged.
2. Using finger, press down on slide until tabs on both panel slide tray and slide disengage. Pull panel slide tray away from shelf to complete removal.
3. If panel slide tray is populated with connectors and fiber, care should be taken not to drop tray after it is removed from shelf.
4. To reinstall panel slide tray, align tray with slide, push tray until tabs on both tray and slide engage. If the panel slide tray is populated with connectors and fiber, make sure that fibers are not pinched between tray and slide.