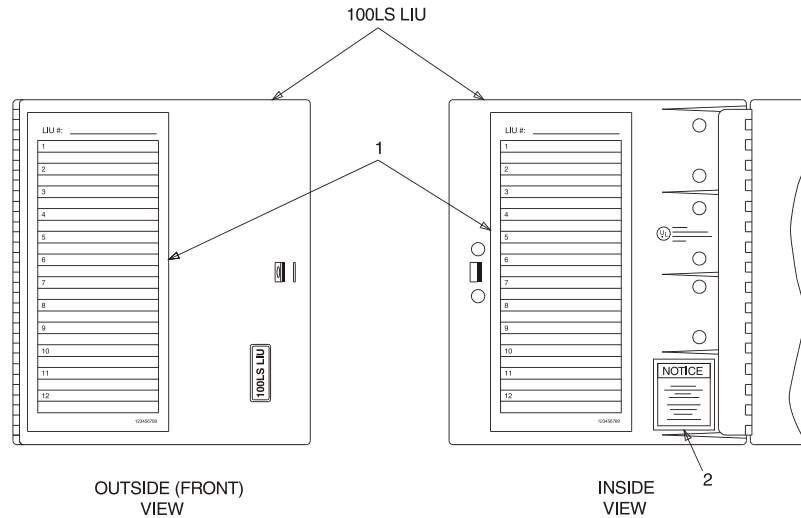


Step 1—Install Front Cover Labels

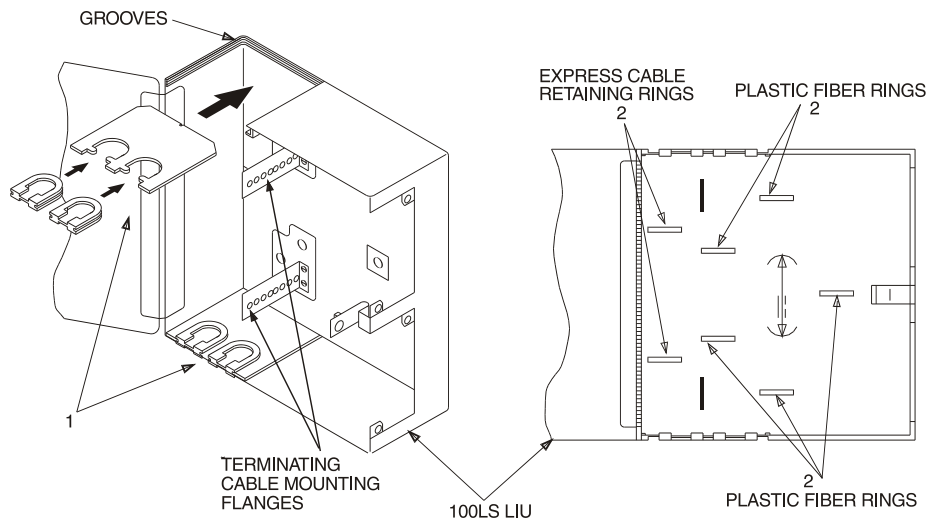


Note 1: For a cross-connection module arrangement, follow Steps 1 through 6. For an interconnection module arrangement, follow Steps 1, 5, 7, and 8.

Note 2: A designation label (Comcode 847 060 845) and a notice label are provided with the 100LS Lightguide Interconnection Unit (LIU).

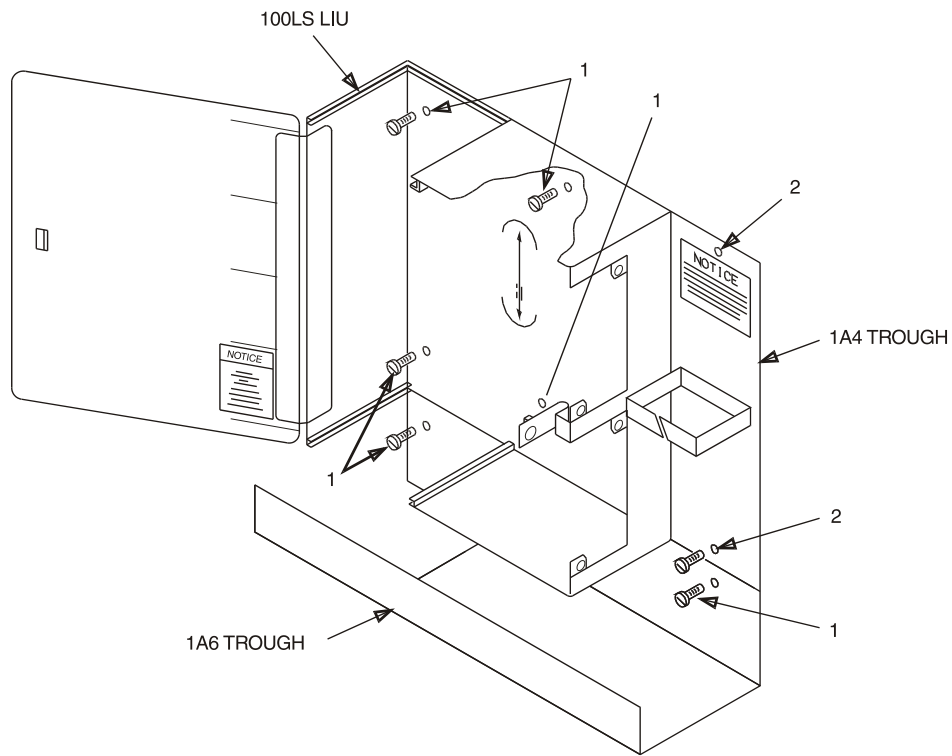
1. Install the designation label on the outside or inside of the cover, as shown in the above figure.
2. If a laser-based transmission system is in use, open the 100LS LIU and install the notice label as shown.

Step 2— Install Cable Entry Details and Fiber Rings



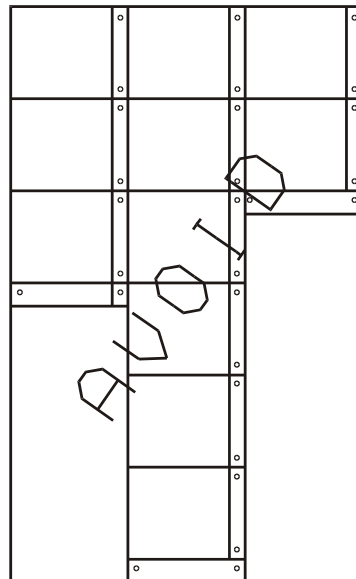
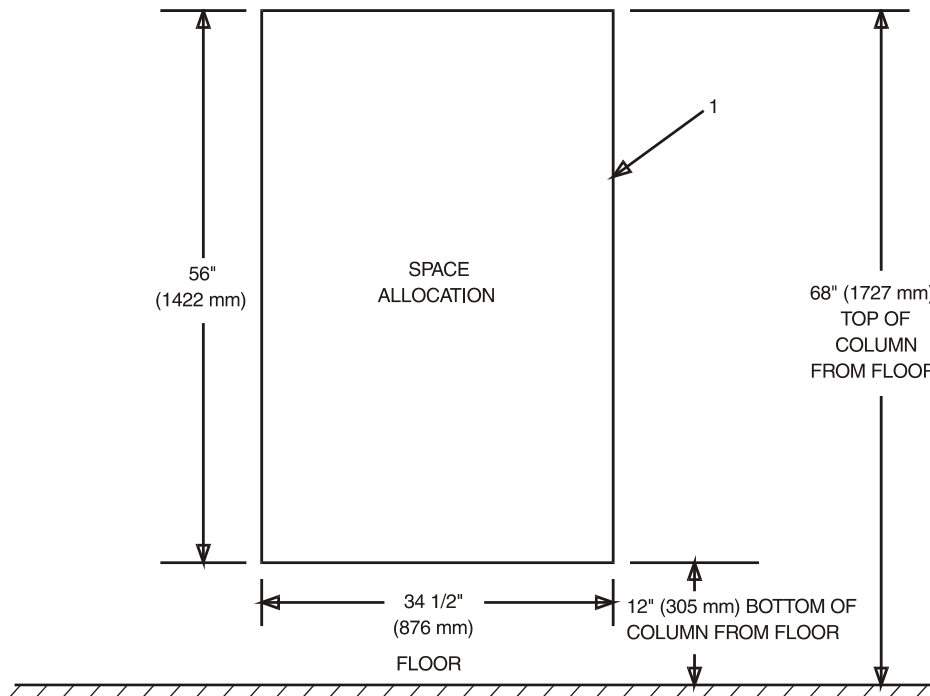
1. Open the cover of the 100LS LIU and install the cable entry details (consisting of the plastic panels and grommets) by sliding the panels into the grooves at the top and bottom of the LIU.
2. Snap the plastic fiber rings into the positions shown, making sure the ring openings are to the outside.

Step 3— Install 100LS LIU, 1A4 Trough, and 1A6 Trough



1. Using the four sheet metal/wood screws included with each 100LS LIU, mount the module to the backboard, as shown, with a 1A6 trough below the bottommost module. (Two sheet metal/wood screws are included with the 1A6 trough.)
2. Install the 1A4 trough next to the 100LS LIU, as shown, using the two sheet metal/wood screws provided with the trough.

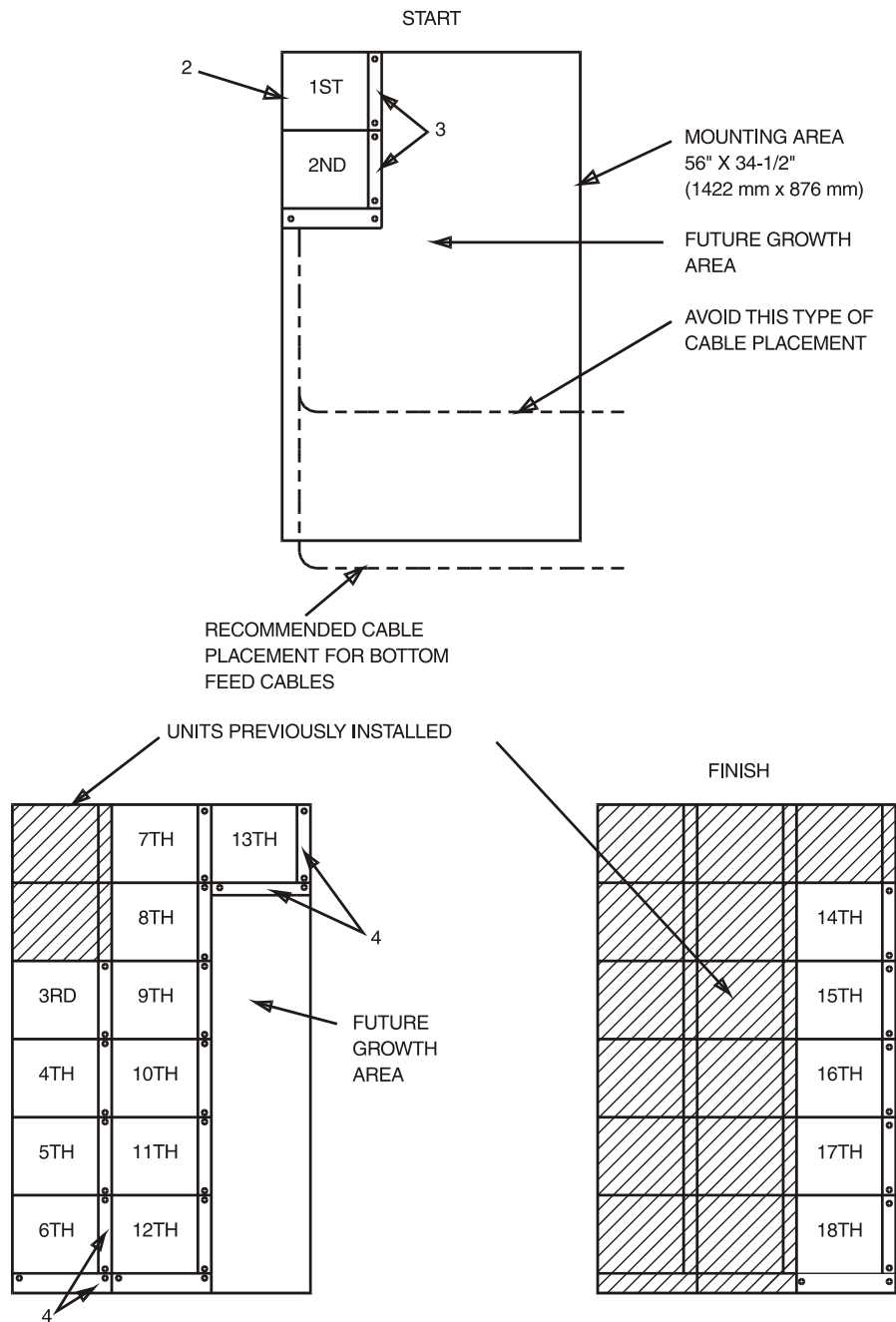
Step 4— Reserve Space Allocation



Note: The type of growth sequence shown above is not recommended and must be avoided. The 1A6 trough must be aligned with other 1A6 troughs at the bottom of each column.

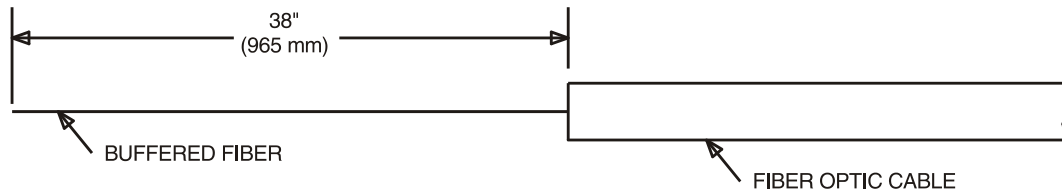
1. Reserve space allocation in the mounting area to allow for future growth. For example, with the space allocation shown above, cross-connection modules may be stacked to a column of six modules high and three columns wide with the top of the uppermost module placed not more than 68 inches (1727 mm) from the floor. The ultimate space allocation for a cross-connection field of 12 columns wide and 6 modules per column is 56 inches (1422 mm) high by 11 feet 6 inches (3.5 m) wide.

Step 4 (Contd)—Reserve Space Allocation



2. Mount the first 100LS LIU in the upper-left portion of the reserved space.
3. Mount a 1A4 trough next to the 100LS LIUs, aligning them so that no space is wasted.
4. Finish up each column with 1A4 troughs and 1A6 troughs as shown in the figure above, regardless of having less than six modules per column.

Step 5—Prepare Fiber Optic Cable



1. Prepare the fiber optic cable as shown.
2. Install the appropriate connectors on the buffered fibers for the type of coupling panel and couplings to be used (Tables A and B).

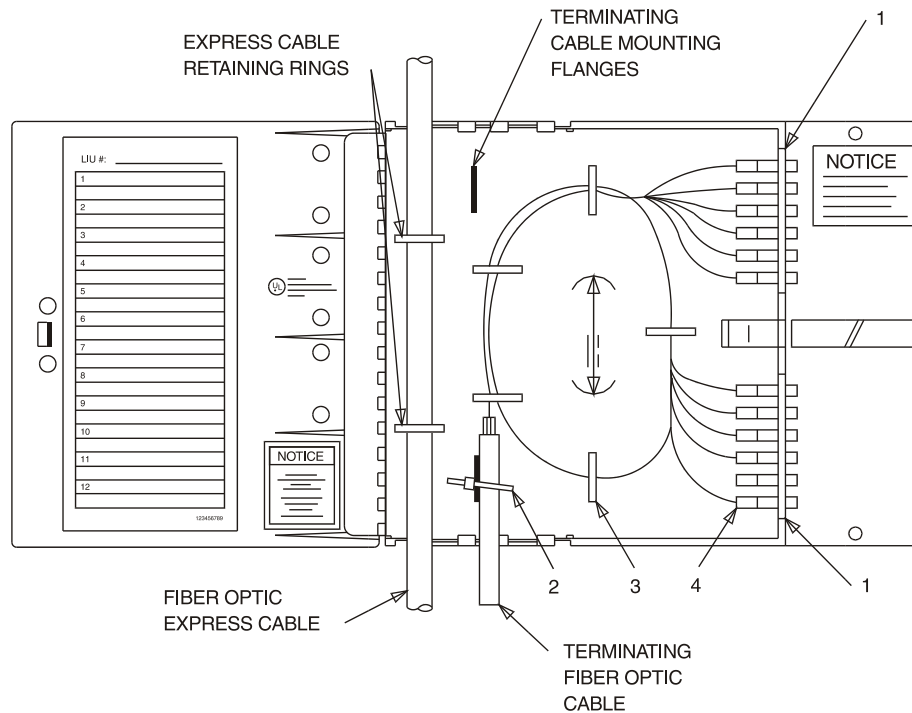
Table A. Connector and Panel Types

| Connector Type Being Used | Required Panel | Coupling/Attenuator/Adapter | Connector Product Code |
|---------------------------|----------------|---|--|
| <i>ST</i> [®] | 10A | C2000A-type Multimode (MM) Coupling C3000A-type Singlemode (SM) Coupling | P2000 Series (MM) P3000 Series (SM) |
| <i>ST</i> [®] | 10A | A2000-type and A3000-type Coupling/Buildout Attenuator | P2000 Series (MM) P3000 Series (SM) |
| LC | 10LC1 | C1001B-2 MM Duplex Adapter C1101A-2 SM Duplex Adapter | P1001A-Z-125 (MM) P1101A-Z-125 (SM) |
| SC | 10SC1 | C6000A-4 Coupling | P6200 (MM) P6000 (SM) |
| Biconic | 12A | 401-, 501-, 601-, and 701-Series Buildout | 1005B |
| | F86AK8612 | Blank Panel (No Coupling) | None |
| SMA | F86AK8557 | SMA Coupling | SMA Connector |
| IBM ESCON | F87AK8657 | IBM ESCON Coupling | IBM ESCON Connector |
| FC/D4 | F87AK8574 | FC/D4 Coupling | FC/D4 Connector |
| FDDI | F89AK8554 | FDDI Coupling | FDDI Connector |

Table B. 10 Type Panel Assemblies

| Connector Type | Mode | Assembly Type | Comcode | Panels per Package |
|------------------------|------------|---------------|-------------|--------------------|
| <i>ST</i> [®] | Multimode | 10PST | 108 259 466 | 10 |
| <i>ST</i> [®] | Singlemode | 10PST-SM | 108 267 378 | 10 |
| <i>ST</i> [®] | Multimode | 10PST-LS | 108 627 282 | 10 |
| SC | Multimode | 10PSC | 108 259 458 | 10 |
| SC | Singlemode | 10PSC-SM | 108 267 360 | 10 |
| SC | Multimode | 10PSC-LS | 108 627 274 | 10 |
| <i>LC</i> [™] | Multimode | 10PLC | 108 491 697 | 10 |
| <i>LC</i> [™] | Singlemode | 10PLC-SM | 108 491 705 | 10 |
| <i>LC</i> [™] | Multimode | 10PLC-LS | 108 627 266 | 10 |

**Step 6—Choose Bottom Feed or Top Feed Cross-Connection Module
Cable Feed Arrangement**



This arrangement is recommended for bottom-feed cable application.

1. Install the fiber optic buildouts or couplings in the coupling panel; then, install the coupling panel in the cross-connection module.

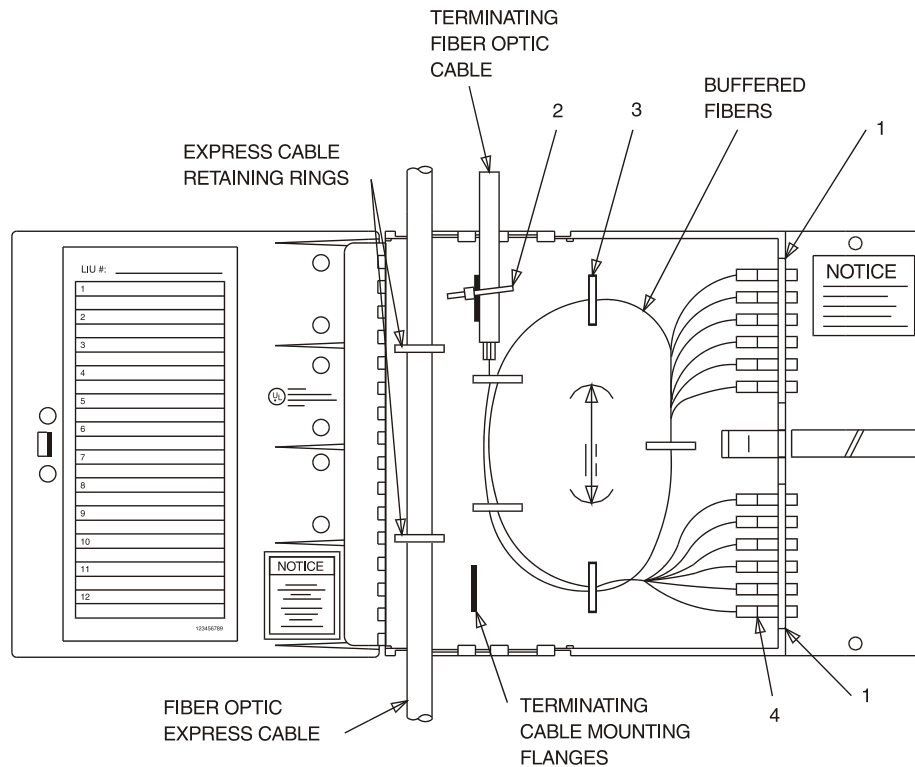
Note: Determine which type of coupling panels, couplings, and connectors will be used. For more information, see Tables A and B on page 5.

2. Using a cable tie, secure the terminating fiber optic cable to the side of the mounting flange closest to the coupling panels.

Note: Only express cables feeding upper modules are secured in the express cable retaining rings.

3. Carefully insert the fibers into the plastic ring holders, starting with the bottom ring, making not less than a 1-1/2 inch (38 mm) radius bend in the fibers.
4. Install the fiber connectors into the couplings on the coupling panel.

**Step 6 (Contd)—Choose Bottom Feed or Top Feed Cross-Connection Module
Cable Feed Arrangement**



This arrangement is recommended for top-feed cable application.

1. Install the fiber optic buildouts or couplings in the coupling panel; then, install the coupling panel in the cross-connection module.

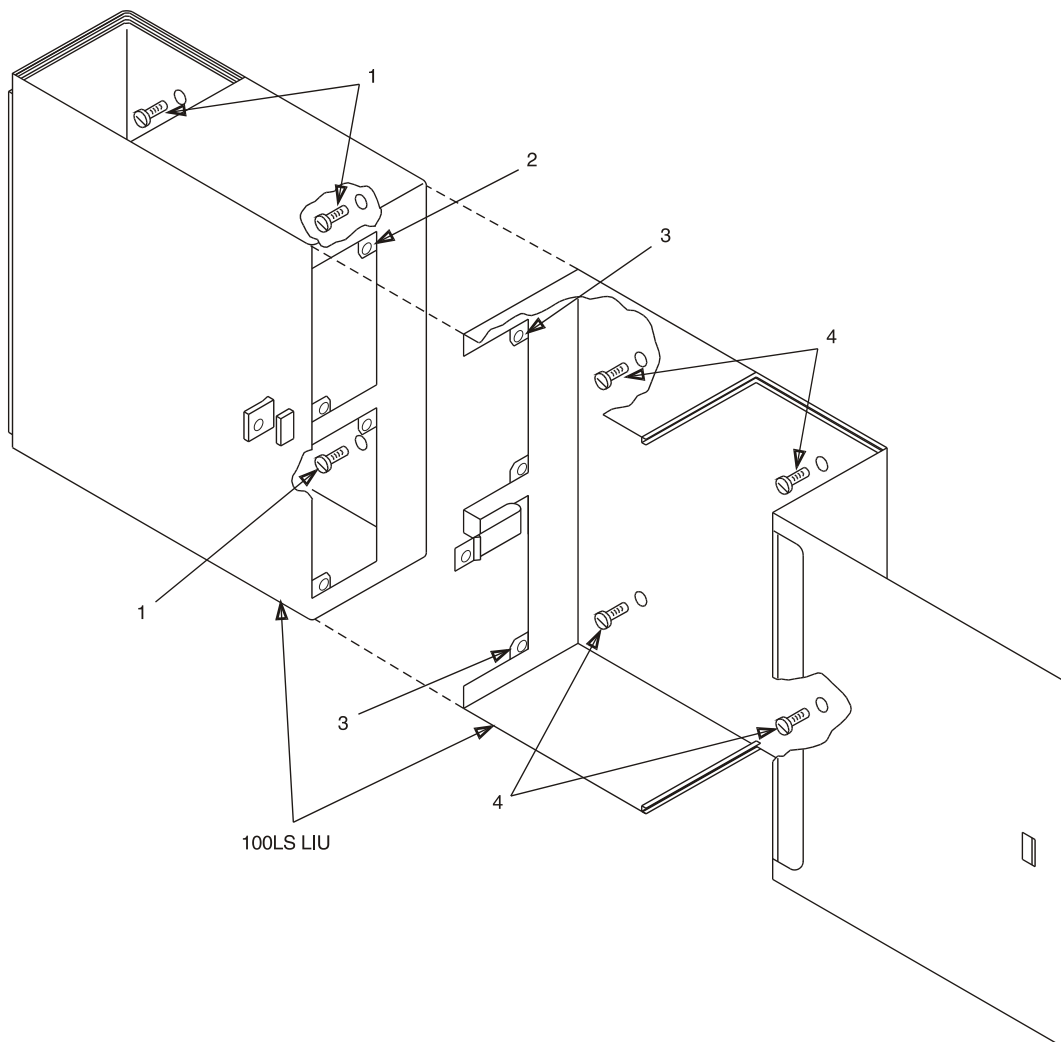
Note: Determine which type of coupling panels, couplings, and connectors will be used. For more information, see Tables A and B on page 5.

2. Using a cable tie, secure the terminating fiber optic cable to the side of the mounting flange closest to the coupling panels.

Note: Only express cables feeding lower modules are secured in the express cable retaining rings.

3. Carefully insert the fibers into the plastic ring holders, starting with the top ring, making not less than a 1-1/2 inch (38 mm) radius bend in the fibers.
4. Install the fiber connectors into the couplings on the coupling panel.

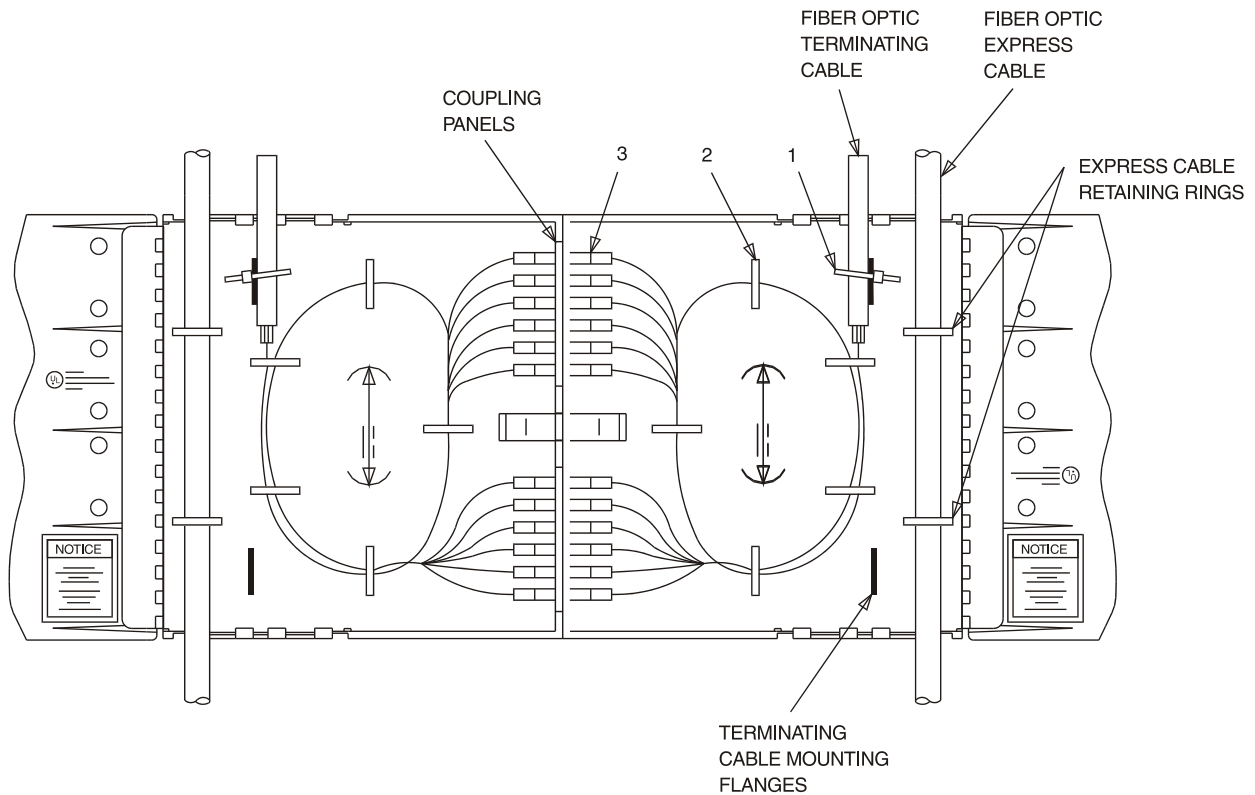
Step 7—Assemble Interconnection Module Arrangement



Note: Two 100LS LIUs are required to create a 12-fiber interconnection module arrangement.

1. Using the four sheet metal/wood screws included with the unit, mount the first module on a plywood backboard with the top not higher than 68 inches (1727 mm) above the floor.
2. Install the coupling panels in this module. See Tables A and B on page 5.
3. With a pair of pliers, break off the eight coupling panel mounting tabs on the second 100LS LIU. Use a file to remove any burrs.
4. Using the four sheet metal/wood screws included with the unit, mount the second 100LS LIU on the plywood backboard next to the first, aligning the windows of the two modules.
5. Place decals on the 100LS LIU covers.

Step 8—Terminate Interconnection Module Cable Feed Arrangement



1. Using a cable tie, secure the terminating fiber optic cable to the coupling panel side of the terminating cable mounting flange.

Note: Only express cables to upper or lower modules are secured in the express cable retaining rings.

2. Carefully insert the fibers into the plastic ring holders (one fiber at a time), with as much slack as possible, making not less than a 1-1/2 inch (38 mm) radius bend in the fibers.
3. Connect the fiber connectors to the couplings on the coupling panels.