SYSTIMAX® Raised Floor Enclosure Instructions
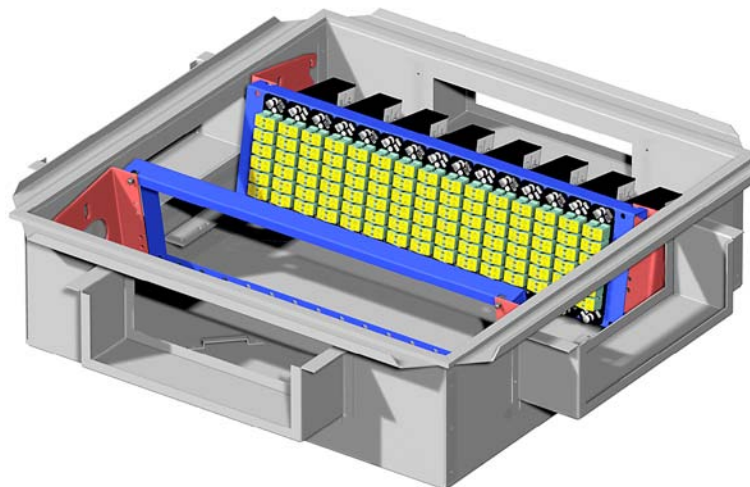
General

The **SYSTIMAX®** RFE-WF-07A, RFE-WF-12A, RFE-SF-07A & RFE-WF-07B raised floor enclosures provide for termination and distribution of fiber and low voltage cables beneath a raised floor, such as in a data center or laboratory. The enclosures are designed for installation within the stringer grid of an existing raised floor using industry standard 24" (609mm) square tiles, in accordance with local codes and regulations.

The enclosures include two pairs of brackets, which provide for 3 rack units (3RU) or 5.25" (133mm) of space per pair. The brackets can be pivoted to facilitate equipment installation and cable dressing/routing.

Ordering information is listed below:

Material ID	Description
760060459	RFE-WF-07A raised floor enclosure, 24" x 24" x 7" (609mm x 609mm x 178mm)
760060493	RFE-WF-07B raised floor enclosure, 24" x 24" x 7" (609mm x 609mm x 178mm) with mount for management bracket
760060467	RFE-WF-12A raised floor enclosure, 24" x 24" x 12" (609mm x 609mm x 305mm)
760060475	RFE-SF-07A raised floor enclosure, 21.88" x 21.88" x 7" (556mm x 556mm x 178mm)

RFE Enclosure Shown Configured with Optional Bulkheads and Data Modules

How to Contact Us

- To find out more about **CommScope**® products, visit us on the web at http://www.commscope.com/

- For technical assistance:

  - Within the United States, contact your local account representative or technical support at 1-800-344-0223. Outside the United States, contact your local account representative or Authorized Business Partner.

  - Within the United States, report any missing/damaged parts or any other issues to CommScope Customer Claims at 1-866-539-2795. Outside the United States, contact your local account representative or Authorized Business Partner.

Tools Required

- Suction cup or other floor tile removal device

- 7/16" and 5/8" open end wrenches

- Screw driver

- Bubble or "Spirit" level

Parts List

Verify parts against the parts list below:

Quantity	Description
1	Raised floor enclosure (equipment mounting brackets pre-installed)
4	Leveling screws
4	Support brackets
4	Duct covers, four for 7" (178mm) deep boxes and six for 12" (305mm) deep boxes
1	Plenum rated fire foam kit

Separately Orderable Components

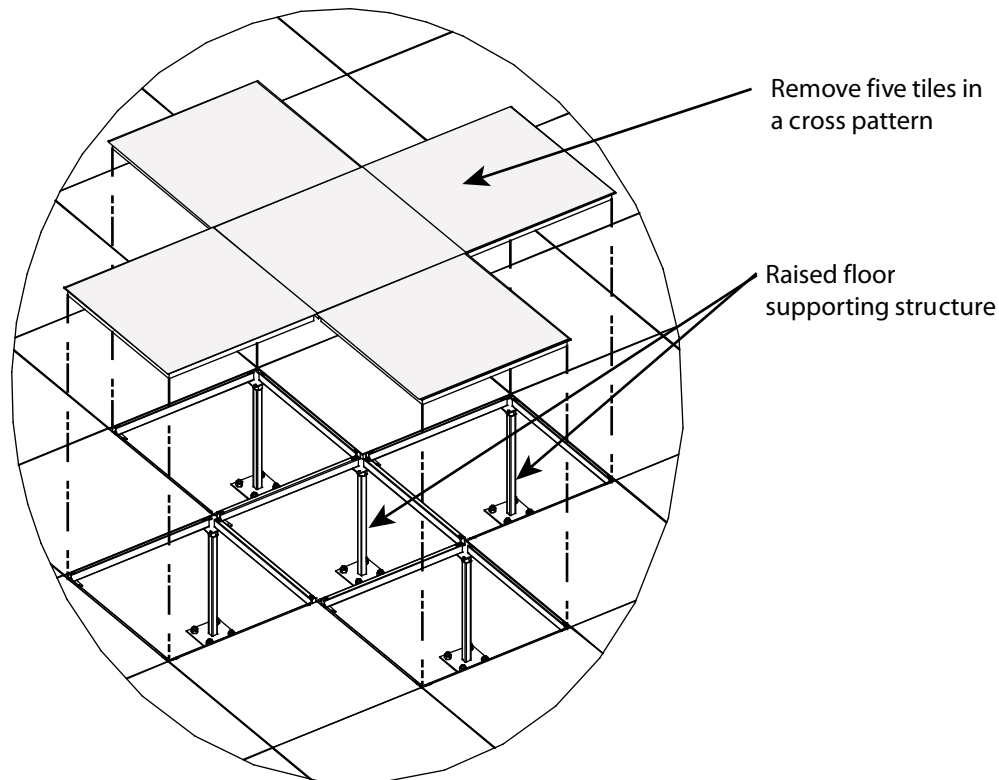| Material ID	Description
760136887	FLRBX-BLKHD-MOD-3U bulkhead without cable management, accommodates 16 360DM modules or 360G2 cartridges
760136895	FLRBX-BLKHD-MOD-3U bulkhead with cable management, accommodates 16 360DM modules or 360G2 cartridges
760060491	RFE-VB-KIT replacement equipment mounting bracket for up to 15 modules
760041400	RFE-PB floor box retrofit bracket kit

⚠️ Cautions

The use of a plenum rated fire foam kit, included with each raised floor enclosure, is required for UL compliance. It is easily installed in the field and instructions for its use are outlined in this document.

When installing and using raised floor enclosures, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:
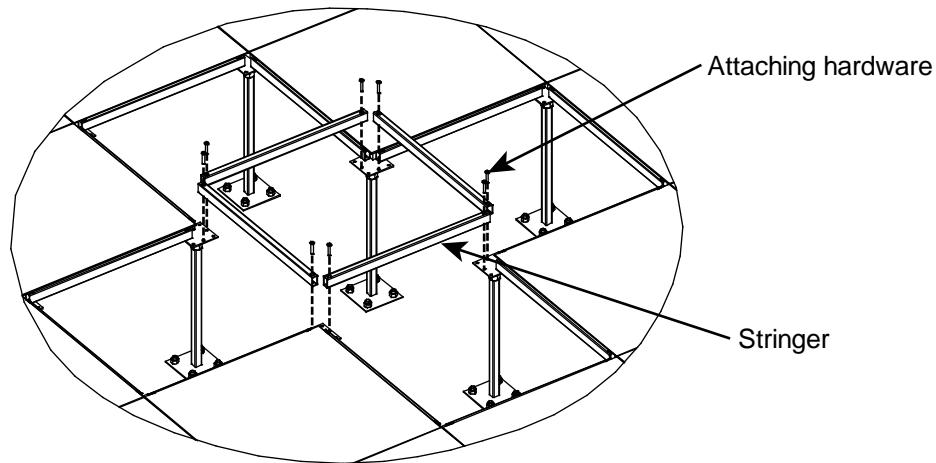
- Disconnected optical components may emit invisible optical radiation that can damage your eyes. Never look directly into an optical component that may have a laser coupled to it. Serious and permanent retinal damage is possible. If accidental exposure to laser radiation is suspected, consult a physician for an eye examination.

- Wearing safety glasses during installation of this product is recommended. Although standard safety glasses provide no protection from potential optical radiation, they offer protection from accidental airborne hardware and cleaning solvents.

Step 1 – Remove Floor Tiles

Remove five tiles in a cross pattern
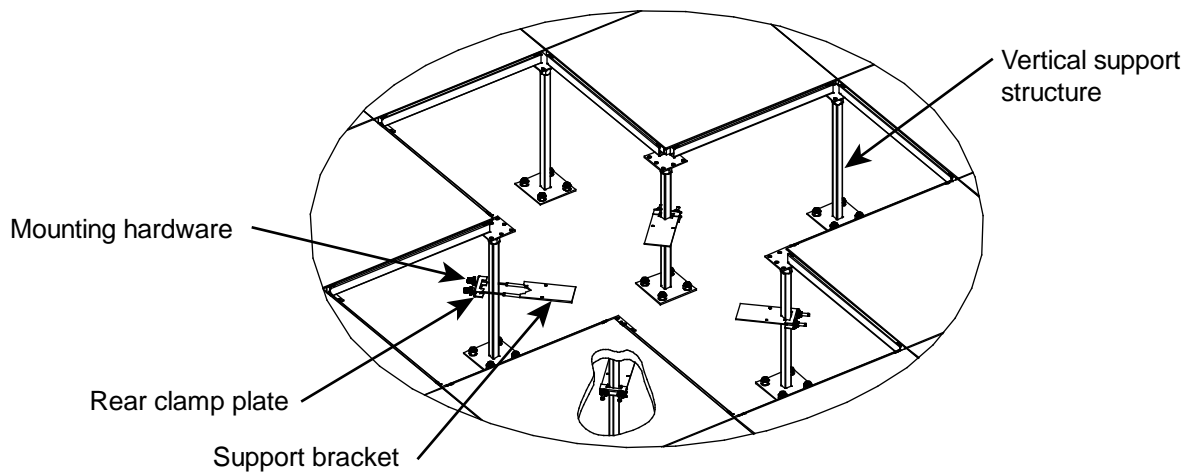
Raised floor supporting structure

1. Select a location for enclosure and remove five floor tiles as shown.

Step 2 – Remove Stringers

1.   Remove four stringers at the center as shown and set aside. Retain stringers and attaching hardware for re-installation at a later step.
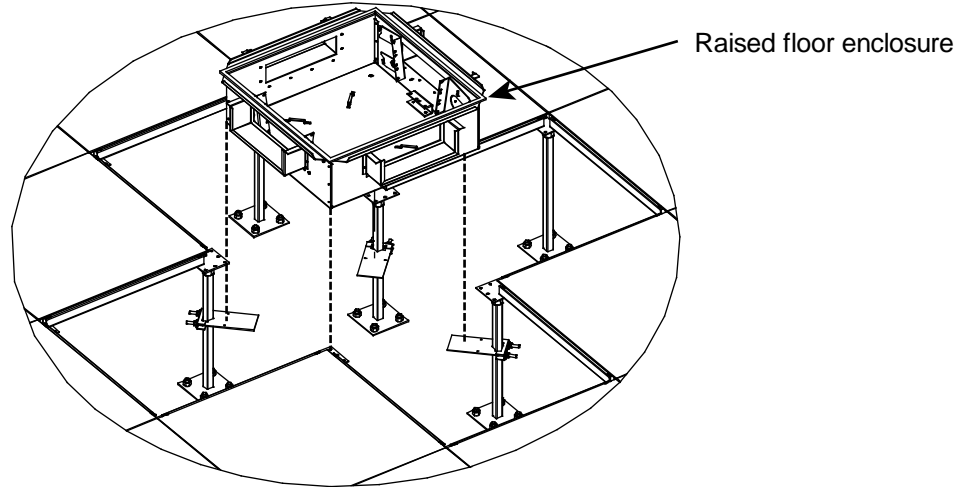
Step 3 – Install Enclosure Support Brackets

1.   Install four enclosure support brackets to vertical support structures of raised floor as shown.

Note: The raised floor enclosure rests on the support brackets, so position them to insure that enclosure will be somewhat below level of stringers (level will be readjusted later).
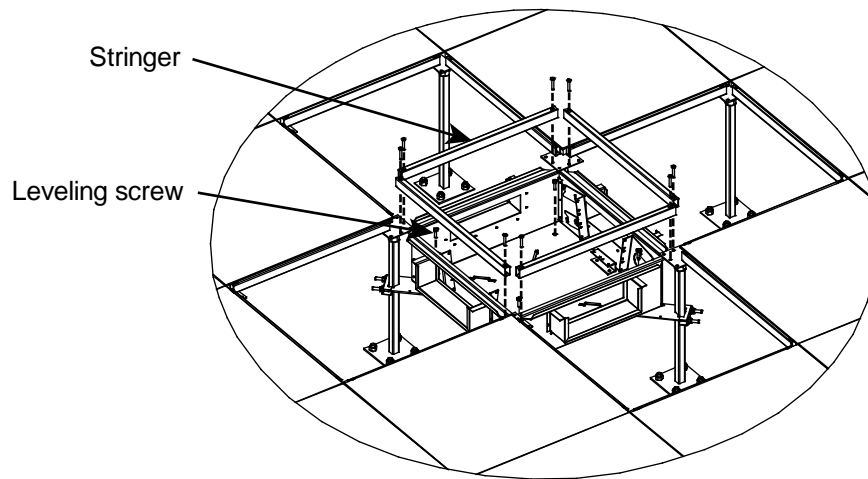
2.   Disassemble support brackets and locate flat piece facing towards the center.

3.   Slide rear clamp plate over threaded parts of support brackets from behind the vertical support structure and secure using the provided hardware. Do not fully tighten hardware.
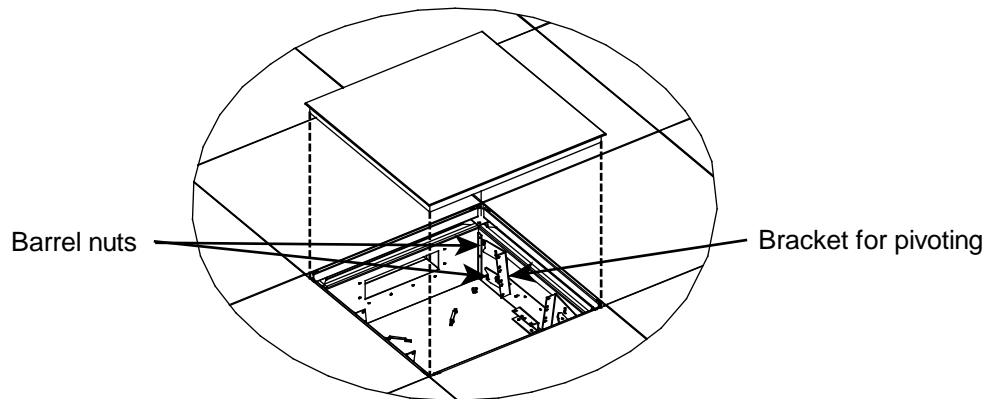
Step 4 – Install Enclosure

Raised floor enclosure

1. Tilt enclosure to allow it to drop through opening until it rests on the support brackets.

Step 5 – Position Enclosure

Stringer

Leveling screw

1. Replace stringers that were removed for installation.

2. Slide enclosure and support brackets up vertical support structures until upper edges of enclosure are centered under stringers and positioned slightly below them.

3. Tighten the nuts on each support bracket to secure the position of enclosure.

4. Install four leveling screws in holes provided in floor of enclosure and use them to further level and align the enclosure with floor stringers.

Step 6 – Verify Proper Installation

Barrel nuts

Bracket for pivoting

1. Replace floor tiles removed for installation and verify that tile directly over floor box fits properly. If not, make adjustments to position of enclosure as required.

Bracket Pivoting for Equipment Installation

Brackets can be pivoted by loosening the two barrel nuts that attach each bracket to the sidewall of enclosure, lifting upwards on the bracket and turning it in towards center of enclosure. After returning brackets to original position, re-tighten the barrel nuts.

Plenum Rated Fire Foam Kit Installation

1. Sort cables entering box so they are as straight as possible.

2. Temporarily lift cables and place three layers of foam beneath them on floor of cabling duct.

3. Space cables apart and cut and place strips of foam between cables to create a seal. Strips should be at least 3/8" (10mm) wide. Stack strips as required to build them up to the height of neighboring cables.

4. Place another layer of foam over those strips and repeat process for all remaining cables.

Note: It is recommended that cables be staggered from layer-to-layer (not placed directly above or below a cable from neighboring layer) to create better seals and to place similarly sized cables on common layers.

5. Add layers of foam until duct is completely filled and compression is required to slide on duct cover. All ducts must be completely filled with foam and the duct covers in place.

Layers of
fire foam

Foam strips

Cabling duct

Cables

Duct cover