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American Access
Technologies, Inc.™
Telecommunication Enclosures

(1) This enclosure is an active termination/distribution point designed for distribution of low voltage cabling only 110 Volt devices.

(2) This enclosure is AC Power ready and includes 9 CFM fan with transformer. 115 Volt Circuit/Duplex receptacle to be provided by electrical contractor and wired to the externally mounted receiving box provided. Wire and install as per local code requirements.

(3) The raised/ access flooring must be installed prior to the installation of this enclosure. This enclosure is designed to be installed within the stringer grid of the raised floor in accordance with local codes and regulations.

Note: These units require fire rated cable penetration foam kits (included). These kits are designed for simple (in the field) installation. Installation instructions are included as Exhibit "A" incorporated in these instructions.

■ **Assembly Components**
  1 ea. - Raised Floor Enclosure
  1 ea. - DMHR-RF (removable rack-mount assembly for hubs, switches, and patch panels)
  4 ea. - Leveler Bolts
  4 ea. - Support Brackets (RF-BKT)
  4 ea. - Cable Entry Port Covers
  2 ea. - Plenum Rated Foam Kits (FP-B33-25)
  Installation Instructions

■ **Installation Tools and Supplies to be provided by Installer**
1. Suction cup or other floor tile removal tool
2. Open end wrenches (7/16" & 1/2")
3. Screw drivers flathead / Phillips head for stringer removal

STEP 1
Opening the Shipping Box and Removal of the Raised Floor Enclosure

• Prepare a location for the raised floor enclosure to be positioned for inspection after removal from the shipping container. Remove the raised floor enclosure from the shipping container and place it on its side. Be sure you have the appropriate enclosure for the depth of access floor.

  Make sure to remove all necessary mounting accessories before discarding boxes. These would include fire-rated foam kits, as well as (4) floor pedestal brackets.

STEP 2
Locating Enclosure Placement

• Select the location of the installation and remove all obstacles that would interfere with the installation.

STEP 3
Floor Tile Removal

• First remove the floor tile from the location specified for installation of the raised floor enclosure. Now remove the 4 tiles adjacent to the space allocated for the installation. The section of floor without tiles should now look like a "+".

STEP 4
Stringer Removal

• Remove all four of the stringers that go between the tile support stanchions or pedestals. Set them aside. They will be replaced once the enclosure is placed under the level of the stringer system.

STEP 5
Remove Equipment Mounting Assembly

• Remove (4) screws from top of Equipment Mounting Assembly (part number DMHR-RF). Lift assembly out of enclosure and set aside.

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STEP 6
Install Support Brackets
- The support brackets are to be mounted under the enclosure. Mount the four support brackets by placing one on each corner support stanchion, pointed towards the center of the enclosure. Make sure the brackets are mounted low enough, leaving adequate space for the enclosure to clear the level of the floor.

STEP 7
Install Enclosure

- Place the enclosure on the support brackets.

STEP 8
Position Enclosure

- Replace the stringers and tighten down the screws. Slide the enclosure up the support stanchions until the upright part of the wings center themselves up in the stringers. Tighten the nuts on the support brackets to secure the enclosure up under the stringer grid. Use the leveler screws (in the holes provided in the bottom of the enclosure) to level or tighten the unit to the stringers.

STEP 9
Install Cables

- With the enclosure in place and supported, install the cables. Secure cables with Saf-T-Grip® Cable Management Straps (P/N 02006-201)

STEP 10
Install Hub/Switch on Tray

STEP 11
Terminate Cables

- Prepare all cable ends and terminate according to equipment manufacturer's specifications.

STEP 12
Install Patch Panels

- Attach patch panels with #12-24 equipment mounting screws (P/N 40605-001). Interconnect switch and patch panels and store/manage cable slack.

STEP 13
Cable Slack

- Determine amount of cable slack required to remove tray for service and consider power cord for switch.

STEP 14
Install Foam Penetration Kits (See Exhibit "A')

STEP 15
Replace Tray and Store Cable Slack

- Re-install Equipment Mounting Assembly and (4) screws. Position excess cable slack as to allow for specified allowable bend radii. Replace the tiles when you are finished and ready to close up the floor. Do not secure/tie cables until all excess slack is removed from or re-positioned in enclosure.

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Exhibit " A "

Installation instructions for Installing Fire Penetration Kits

These kits are used to seal the unit with Fire Penetration Foam around installed access cables into the Zone Cabling Termination Enclosure.

1. Remove the top plate from the first penetration to be cabled.

2. Sort and comb your cables for smooth and straight access through the penetration.

3. Lift the cables and place two layers of foam underneath the cables.

4. Place cables and space so you can insert strips of foam between them firmly to create a seal. Cut foam strips at least 3/8" width to be placed between the cables.

5. Put down a layer of foam and repeat the process until all cables are beaded between layers of foam.

6. Take the remainder of the foam and fill the void to the top of the penetration and compress down with the top plate. Be careful not to bind cables in excess of cable manufacturers specifictions. Cables are installed.

Installation hint: We suggest you stagger the cables in their layers to give a better seal. Example: 1st row - 4 cables / 2nd row - 5 cables / 3rd row - 6 cables / 4th row - 5 cables / 5th row - 6 cables and so on.

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