



Assembly Instructions V-Ready® Room System UL Classified File MH10815

BEFORE YOU BEGIN

Electrician must have installed all distribution connectors to house service as required per unit plan.

Clean area appropriately, allow twelve inches of extra space around the module.

Place cartons in stacks of like part numbers and place them so you can get at them easily.

Two people will be able to handle any of the component parts for the room with the exception of the door, where four people are recommended.

TOOLS REQUIRED

Hammer, bladed screwdriver, Phillips screwdriver, level, tape measure, adjustable jaw pliers, socket set, small pry bar, 5/16" hex allen wrench.

For floor option you will also need: Phillips power drive, drill, 1/8" drill bit and hacksaw.

REMINDER:

Not all rooms can be converted to V-Room Practice rooms.
Rooms with 15" or 30" extensions and rooms 125 square feet or larger cannot be converted.

Owner: _____

Models: _____

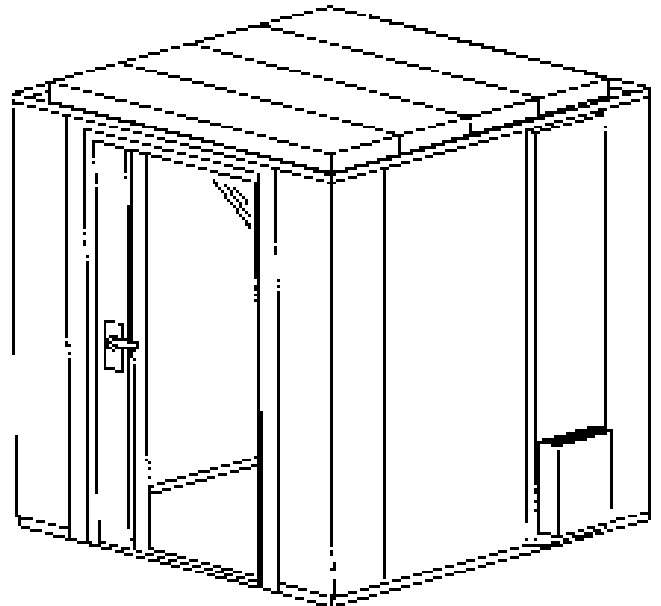
Location: _____

Accessories: _____

Date Installed: _____

Installer: _____

Key Numbers: _____



LIMITED WARRANTY

This Wenger product is guaranteed free of defects in materials and workmanship for three full years. Our guarantee assures you of either a full refund or repair or replacement of the defective materials or workmanship without charge, at the discretion of our Customer Service Department. Just call a Customer Service Representative and state the reason you are dissatisfied. This is your sole remedy for breach of this warranty.

This is the sole warranty made by Wenger. Wenger disclaims all other warranties, including the warranties of merchantability and fitness for a particular purpose, as well as liability for incidental, consequential, special and indirect damage. Wenger liability for direct damages shall be limited to the amount you paid for the product involved. Wenger reserves the right to make product changes without obligation to incorporate such changes into products previously sold.

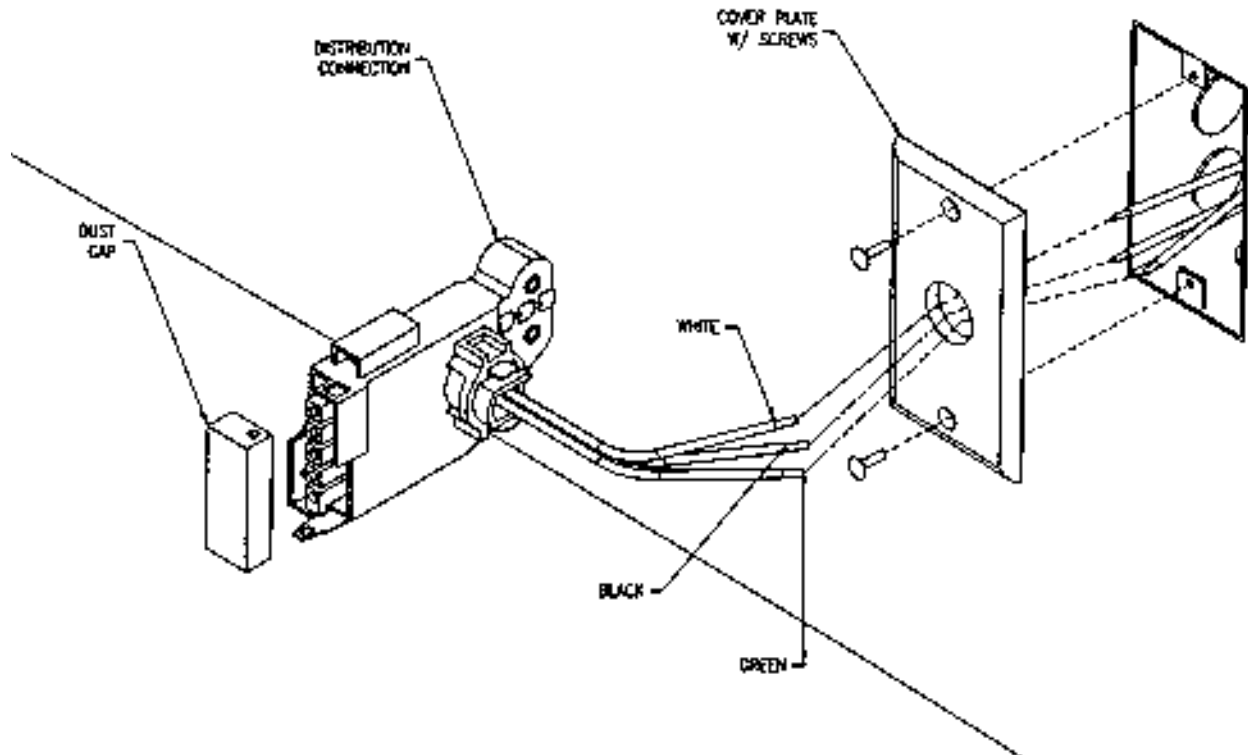
Some states do not allow the exclusion or limitation of damages or warranties, so the above may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

UL HARDWIRING

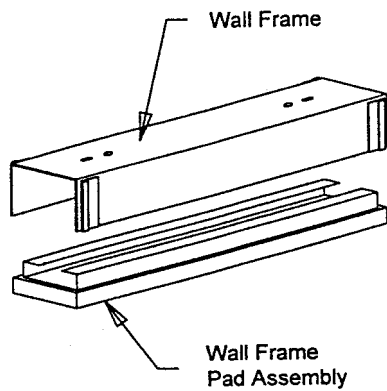
The V-Ready Room system is a hardwired unit. Before your V-Ready Room or rooms arrive, Wenger Corp., had sent you enough kits (Power Panel Kit, UL) Part Number 216_481, to accommodate your order requirements. Customer must have an electrician install the Power Panel Kit to house service **BEFORE** a representative from Wenger Corporation arrives to install the rooms.

The kit (Power Panel Kit, UL) consists of:

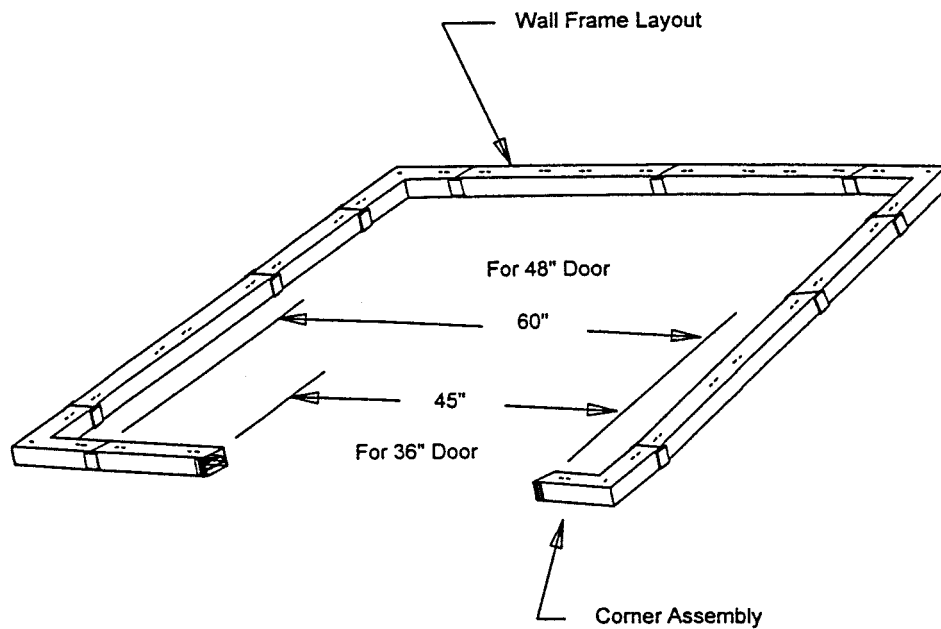
- distribution connector
- handy box cover with 1/2" knockout
- dust cap
- instruction form



INSTALLING THE WALL FRAME



Using the pack sheet supplied with these instructions, find the wall frame cartons. Two pieces make up each of the 15", 30" and 75" long sections. The wall frame which is a metal channel and the wall frame pad assembly. Place the wall frame channel over the pad assembly, the pad should extend beyond the end of the channel slightly.

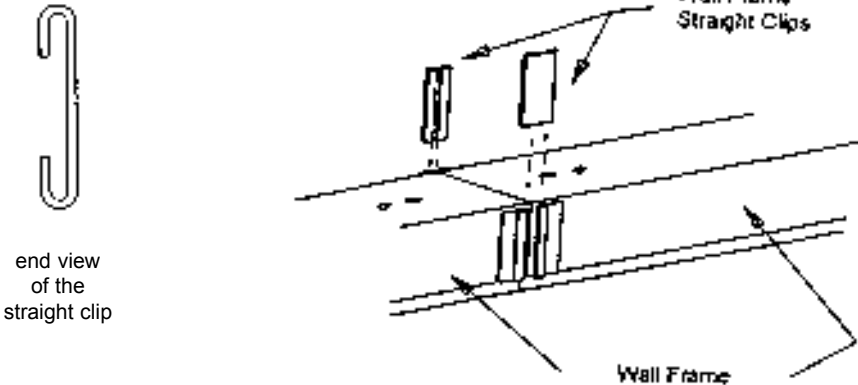


Remove the four wall frame corner assemblies, corner pad assemblies and the package of wall frame clips from the wall hardware package.

Lay out the wall frame assemblies in the rough outline of the module. Leave an opening in the frame to locate the standard door which is 45" wide. Optional 4' door is 60" wide.

Corner assemblies are located in all four corners of the module wall frame, regardless of position chosen for the door.

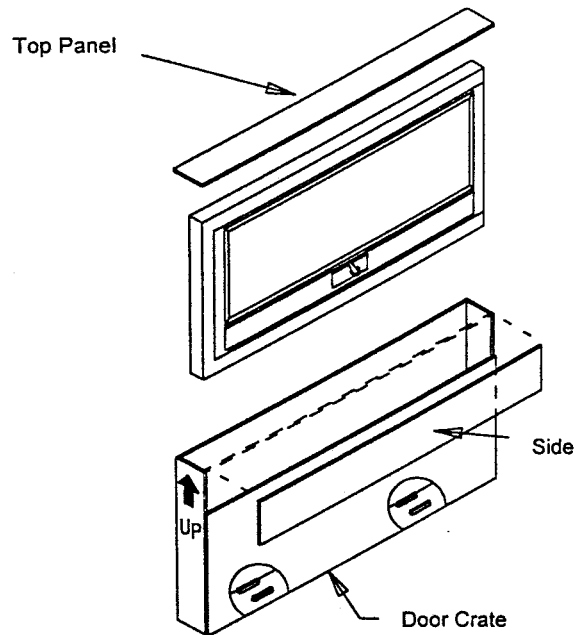
INSTALLING THE WALL FRAME (CONTINUED)



The wall frame flat clips have uniform lips on both sides and are used for all in-line frame connections of wall frame and corner sections. Two flat clips are used at each joint in the frame section. As the pad is slightly longer than the channel, each section should slightly compress the pad when clips are installed. Drive clips on with a hammer. Note: Drive on clips so that they are even or just below the top of the frame channel. Do not drive down to floor surface.

INSTALLING THE DOOR FRAME

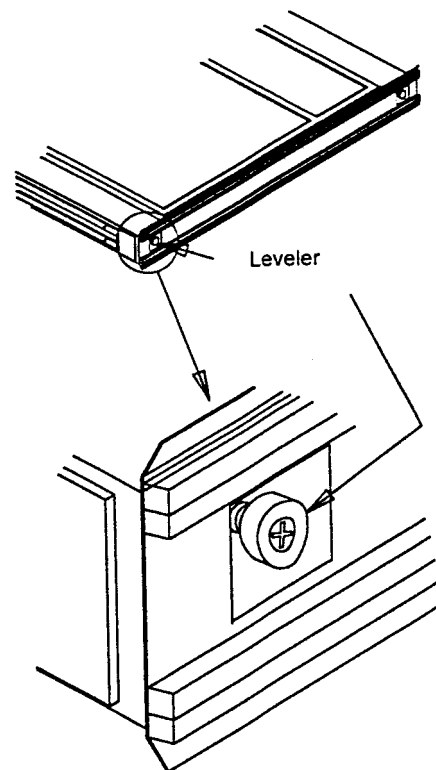
The V-Ready Room door is fully assembled and adjusted, then crated in wood. To remove the door, remove the special screws holding the side and top of the crate. The door is shipped with the hinge side up and the leverset is in the locked position to hold the door leaf in place.



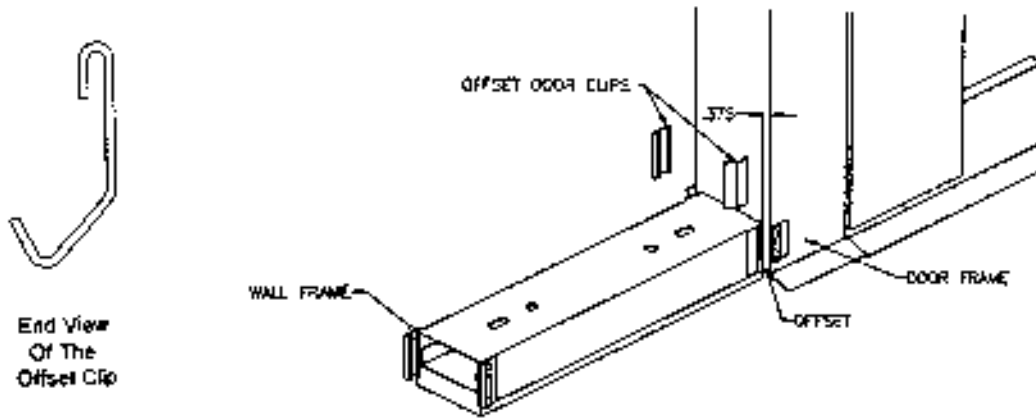
DO NOT USE THE DOOR LEVERSET TO LIFT THE DOOR ASSEMBLY

Using a 24" long level, check the floor where the door is to be located. If the floor slopes, the feet under the door must be adjusted to compensate for the unevenness so that the door will stand vertically plum and horizontally level. Using a standard bladed screwdriver, run the leveling feet out as needed. The normal starting position for the door levelers is to adjust them out until they are at least 1/8" below the bottom of the metal door frame.

NOTE: Do not extend levelers beyond the gasketing attached to the base of the door.

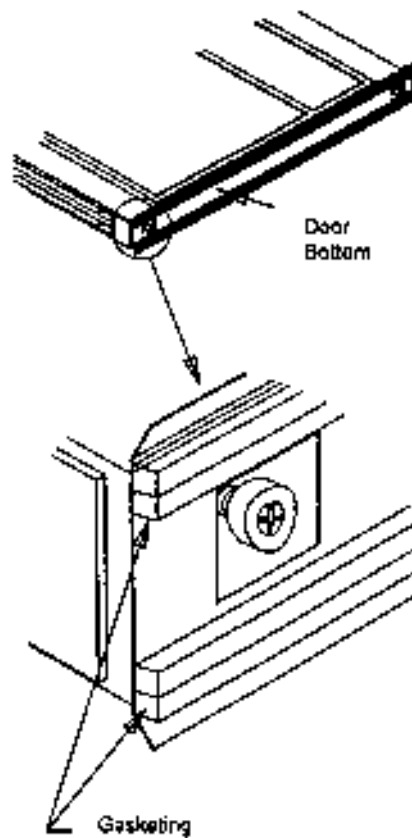


INSTALLING THE DOOR FRAME (CONTINUED)



Before removing the door from the crate, locate and remove four offset door clips from the plastic bag. These clips have a slight convex peak and uneven lips. Clips are offset as the door frame is 3/4" wider than the wall frame section.

The door frame assembly weighs over 250 pounds, use four people to set it in place. Lift up from the crate and carry to position in horizontal mode. Once there, stand on end so that door opens out (for outswing door). When adjusting the door into final position, lift it up to move it. Do not slide it as the gasketing under the door may be rolled over or pulled loose.

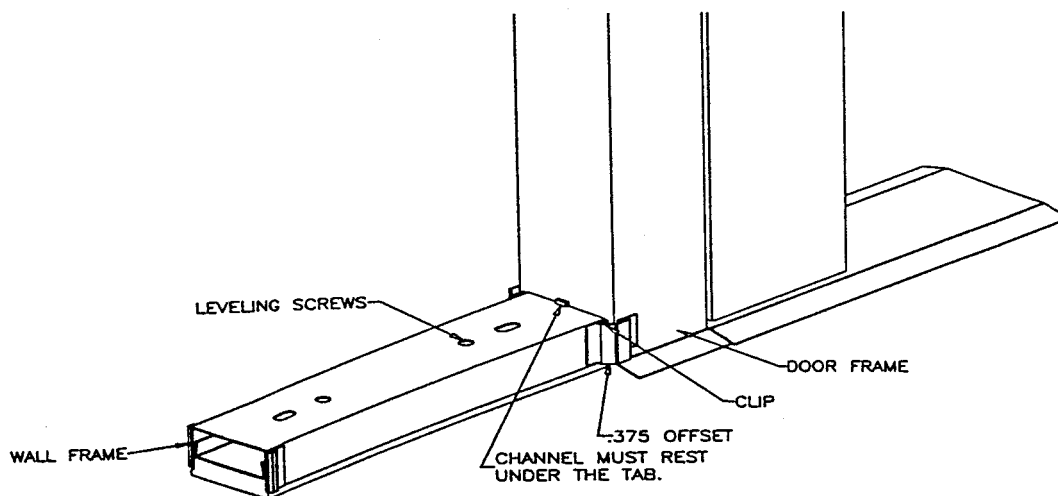
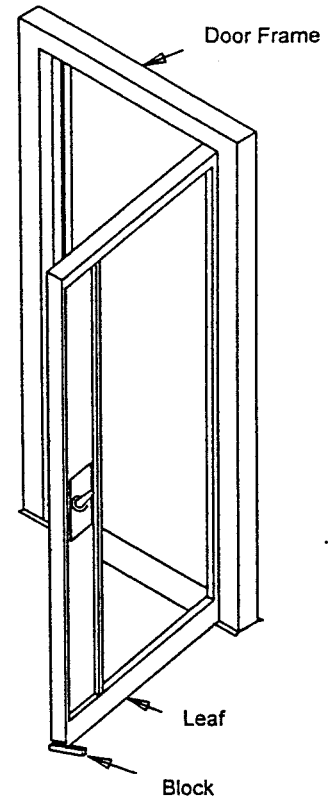


INSTALLING THE DOOR FRAME (CONTINUED)

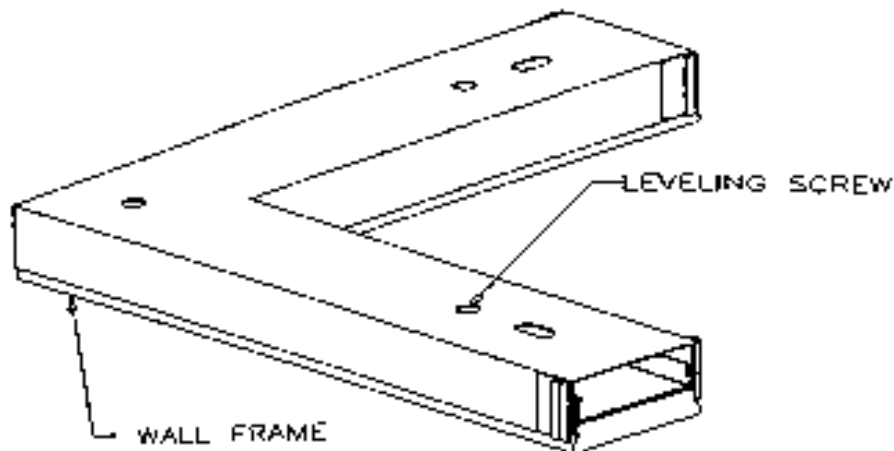
When the door is in position and properly aligned, hold upright and check with a level. If level, side to side, clips may be positioned to lock door to frame. If it is not level, tilt to side or lift lower corner of door frame with pry bar to readjust the door leveling feet. If the door is vertically plum and horizontally level, unlock the door with the key that is taped to the leverset and open the door about half way (90°). Place a 3/4" block under the metal flange of the outside seal but not under the sweep seal. Use the block from the bottom of the door crate. This is to hold the door alignment during assembly of wall panels.

Using the level again, check the door to see that it stands horizontally level and vertically plum. If it does not, shim the block so that the door is horizontally level from side to side and vertically plum in to out.

On the edge of the door frame is an alignment tab. The wall frame channel should be flush against the door frame underneath the tab. Adjust the leveling screws in floor frame sections to level wall frame to vertically plum wall panels as installed on frame. Attach the door to the frame with the door clips. The narrower wall frame must be centered on the door frame and the door clips will only fit one way.



LEVELING THE WALL FRAME



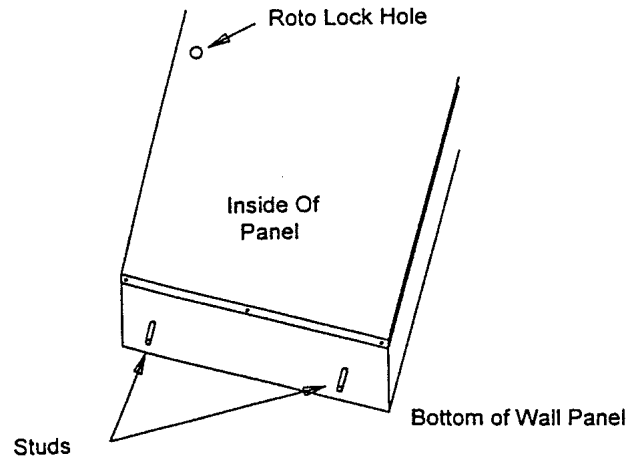
With the door in position and all frame members clamped together, square the frame by measuring diagonally from corner to corner to insure both dimensions are equal and make any final placements or corrections.

Starting from the door and inside, use a level and adjust the floor frame sections in a clockwise rotation. Height adjustment screws are in the center of the frame covers. By running screws in or out, irregularities of the floor surface may be corrected and the frame setting leveled. Remember that the rubber pad under the frame compresses slightly under the weight of the module panels.

LEVELING AT THIS TIME SHOULD BE DONE CAREFULLY TO PREVENT SOUND LEAKS.

NOTE: If the room you are installing has a floor, it is suggested that it be put in place now. This allows maximum room to work on the floor. However, it may be set in the module or removed from the module at any time, as it is completely independent from the rest of the unit. Trim molding is also supplied with the floor kit and applied when the module is finished. Further floor installation instructions can be found on page 26 of this manual.

WALL PANEL INSTALLATION

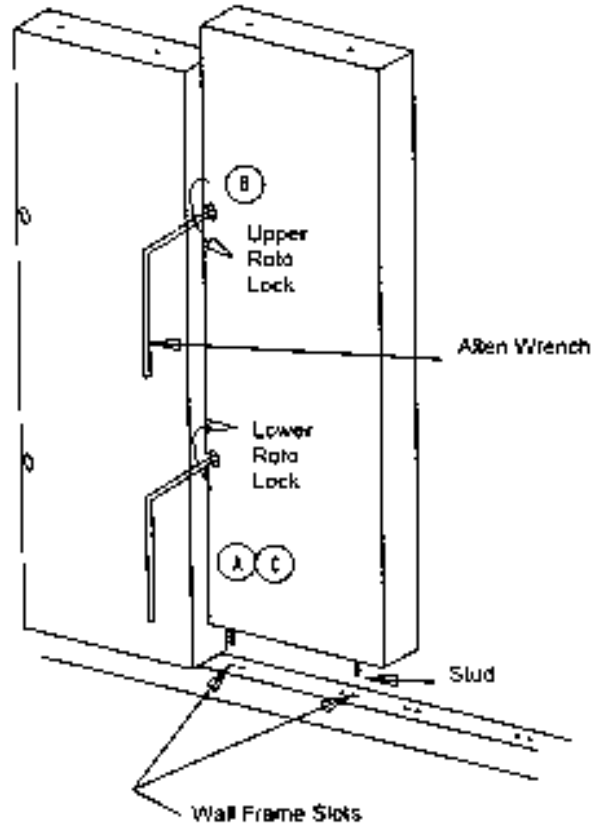


Refer to layout drawing for panel layout. Identify each type of panel. Be sure to note solid, perforated, electrical, control and mic panel locations. (see page 36 for diagram identifications) It is **IMPORTANT** to try to keep mic locations as shown! Start on the right side of the door when standing in the room. Install panels around the frame from inside of room going clockwise. Each wall panel will need two centering studs that insert in to panel. The studs are in the wall hardware box. The studs may be run in finger tight. When setting the wall panels the centering studs are inserted into wall frame rail.

NOTE: To determine the bottom of the panel, the cam of the roto lock must always be on the left edge of the panel and must also have holes on the left side to gain access to the cam in the lock.

To set the panel, stand the panel vertically on the wall frame rail. The studs must be in the slots of the wall frame rail.

ROTO LOCKS



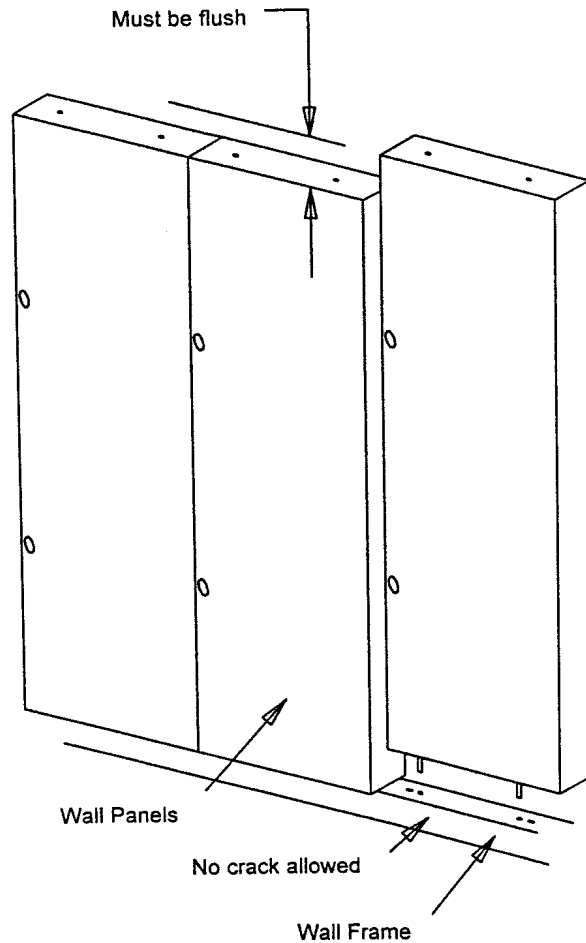
A 5/16" allen wrench is used to lock sections together. Panels are sealed by the cam action of the locks.

NOTE: The roto locks turn in opposite directions. This allows the panel to move vertically up or down for perfect alignment and seal. You can literally walk the panel up or down. Panels must be even at the top and sealed at the bottom.

THE RECOMMENDED PROCEDURE FOR ROTO LOCK TIGHTENING IS AS FOLLOWS:

- Only partly tighten the lower roto lock **A** (clockwise) making sure that the top of the panel is flush with the panel next to it.
- Completely tighten the upper roto lock **B** (counter clockwise).
- Then finish tightening the lower roto lock **C** (clockwise) and recheck that the panels are flush with each other at the top and repeat steps if panel is not flush.

WALL PANEL ALIGNMENT

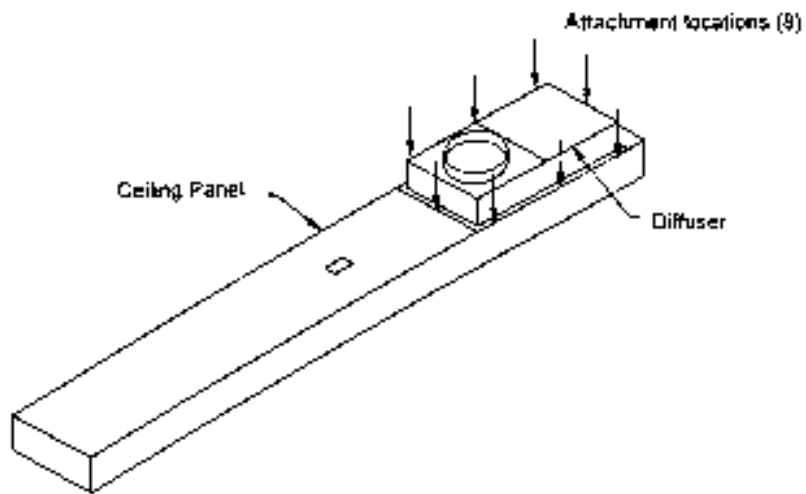


As panels are put in place, always check to see that panels are even at the top. Run fingers across center of the panels between gaskets to determine evenness, not across inside surfaces, as they may vary slightly in dimensions and appear to be uneven. Look under panels to see that they seal on the wall frame. If you see light, they are not sealed. If a gap is evident between wall frame and wall panel, the wall panel must be readjusted.

INSTALLING THE CORNERS

As corners are roto locked to panels, they should be checked with a level to be sure they are plum before the next wall panel is attached.

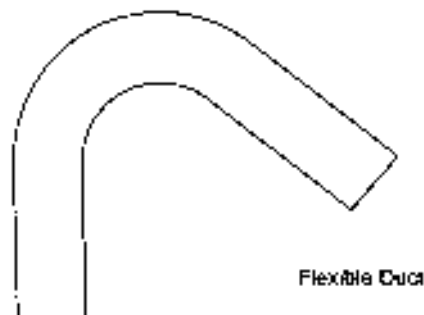
HVAC CEILING PANELS



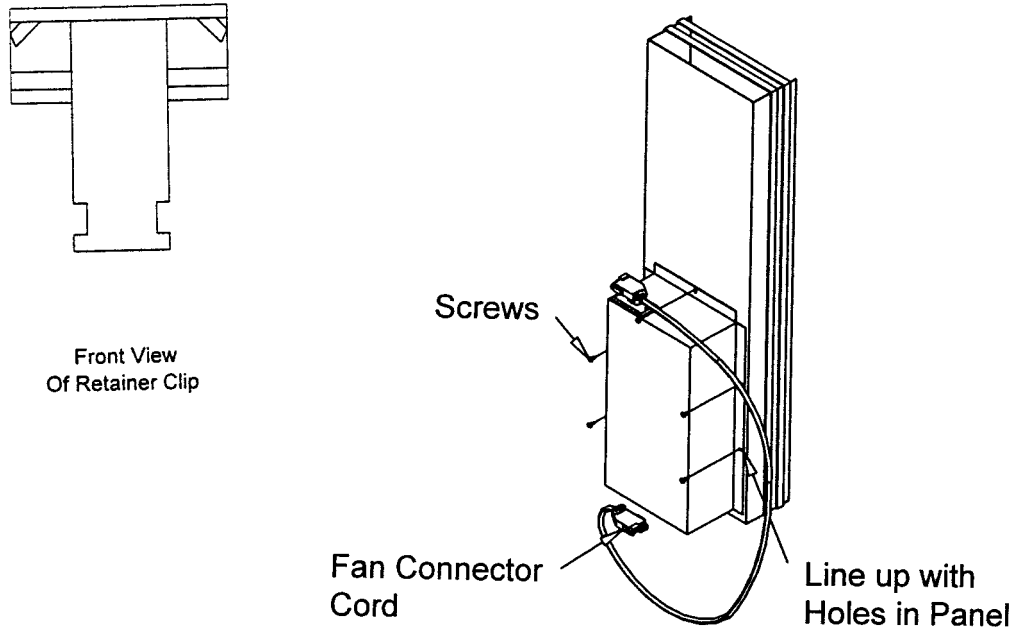
Attach diffuser to back of light panels with hole (or ceiling panel with hole on the back side) as shown.

NOTE: Connection to the building HVAC system must be made with an 8" diameter flexible duct, NOT rigid duct. Rigid duct will decrease the sound insulation of the rooms. This is NOT included with the rooms but is available from any HVAC contractor.

Air flow to the rooms must be adjusted per drawing for the size room being installed. This is done by the HVAC contractor.



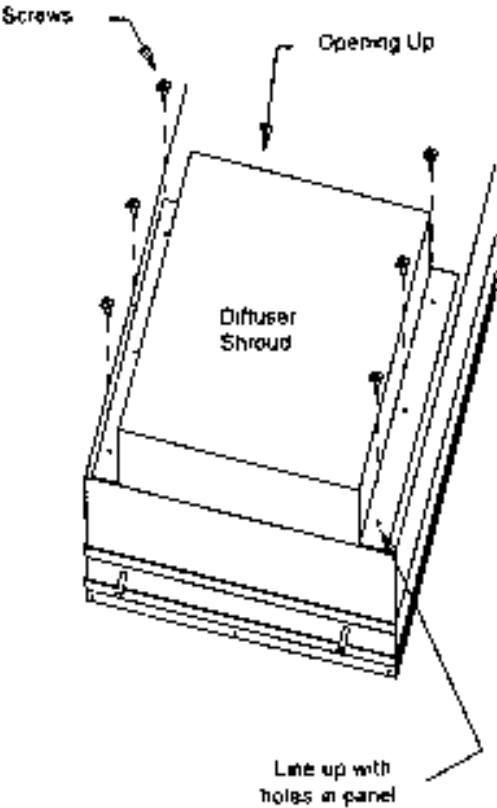
INSTALLING THE FAN PANEL



When the fan panel is called for in the panel plan, the following steps are necessary prior to installing. Open fan panel carton on floor. The panel now must be turned so the outside of panel faces up with the opening for the fan assembly. Turn panel while still on the carton to protect finish.

Remove fan unit from the carton. Remove fan plate with large hole and remove all three pieces of cardboard packing (found above and below fan housing and the motor protector packing). Spin the fan blades to make sure of freedom of movement. Reinstall fan plate using three retainer clips for holding the fan assembly into fan diffuser housing. Clips are in the bag with screws, taped to the fan assembly. Place the fan assembly into the opening of the fan panel. Attach the fan to the fan panel with the screws from bag. The panel is now ready to be installed as a wall panel in the module.

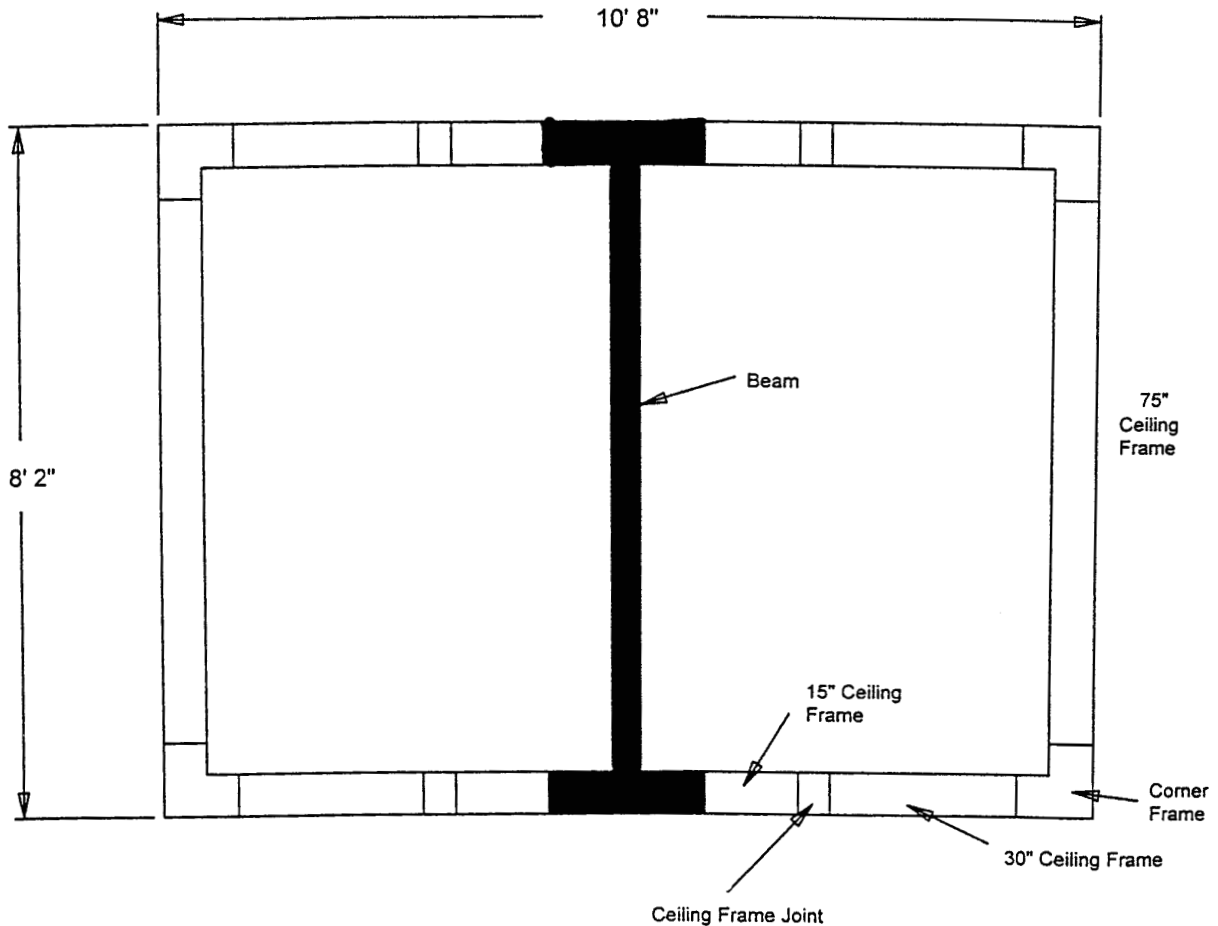
INSTALLING THE VENT PANEL



When the vent panel is needed in the panel plan, the following steps are necessary prior to installing. Remove the vent panel from the carton, lay it on the carton and turn so the open hole is facing up. Remove the diffuser unit from the carton, place the diffuser over the hole, positioned so the opening of the diffuser shroud is toward the top of the vent panel. Align all holes to panel. Attach the diffuser to the panel with the screws which are in the plastic bag taped to the diffuser assembly. This panel is now ready to be placed into the module wall when required.

CEILING FRAME RAILS (UNITS WITH MODULE BEAM OPTION)

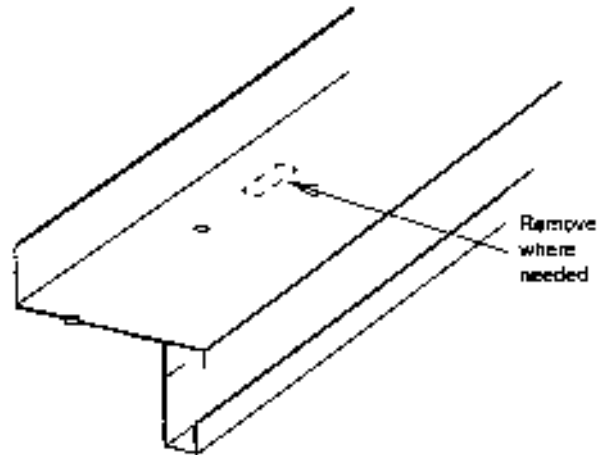
If you have a module without a beam go to page 17.



When all wall panels are in place, the ceiling frame rail system and beam assembly are next to be installed. Remove ceiling frame assemblies from their cartons. Locate the proper length beam for module being set up. Find the drawing of module and the length the beam must bridge, to determine the length of the beam that is needed. Place the rails, along with corner pieces from the hardware box, on top of wall panels. At the beam location, the beam ends will fill a 15" ceiling frame section.

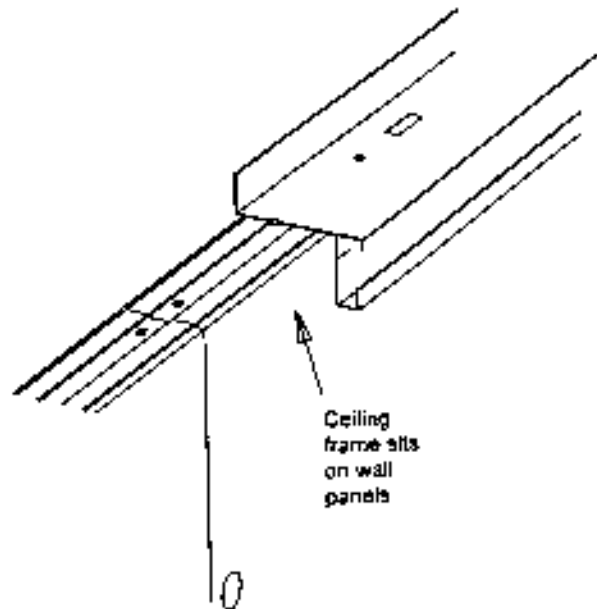
INSTALLING CEILING FRAME RAILS

When all panels are in place, the ceiling frame rail system is next to be installed. Remove 15", 30" and 75" rails from their cartons. Also required will be four frame corner pieces and spacer joints. Remove the corner rails, bolts, metal washers and neoprene washers from the hardware box. Layout ceiling rails around inside of room. Remove knock outs in the locations where connections come through ceiling rails for two mic panels and one power panel.



Place rails on top of wall panels with the 1 3/4" lip to the outside and up. The formed channel hangs down inside the module. Start at a corner and work your way completely around the room.

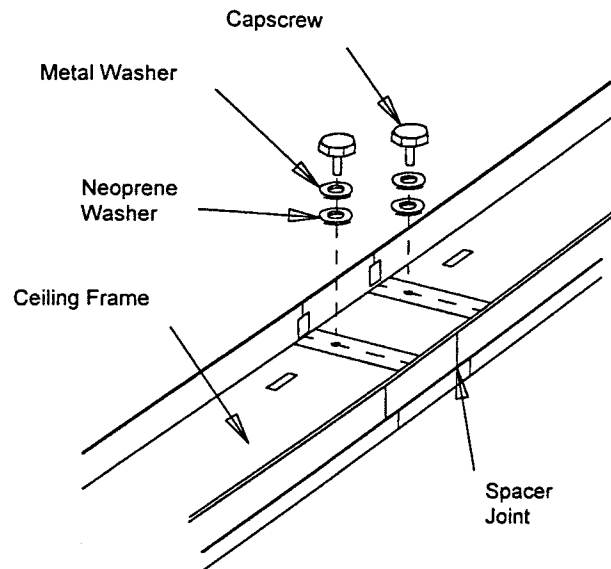
Be careful not to hit connectors when installing ceiling rails (or push connectors back into the panels). Punch out knock outs where there are connectors.



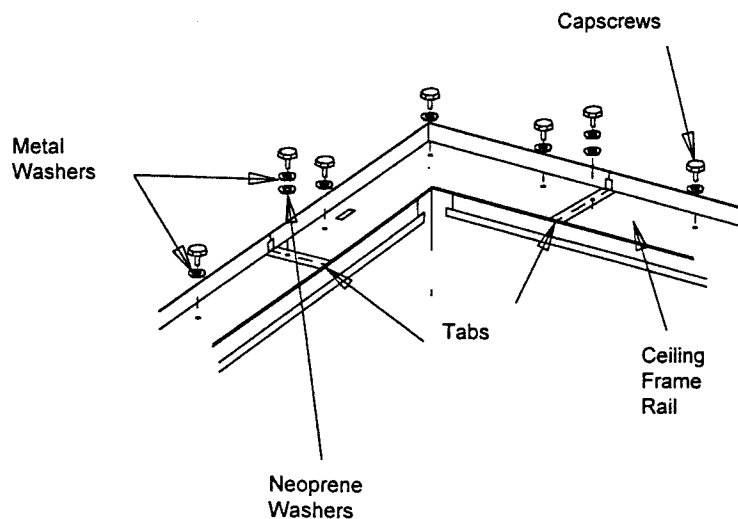
INSTALLING CEILING FRAME RAILS (CONTINUED)

NOTE: EVERY CEILING FRAME JOINT MUST HAVE A NEOPRENE WASHER UNDER THE METAL WASHER FOR SOUND SEAL

A spacer joint is used between each ceiling frame section. Place neoprene washers under metal washers each time a bolt is placed at the joining of a section, including joints at corners. Place bolts, finger tight, through ceiling frames and into wall panels.

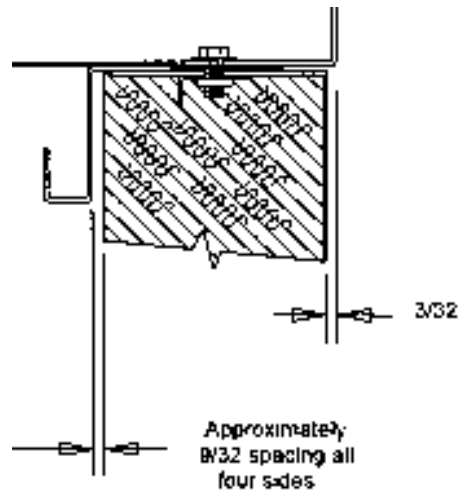


Corner pieces and spacers have metal tabs on the inside of their seam for sound seal. Make sure adjoining ceiling rail is placed behind and under these tabs.



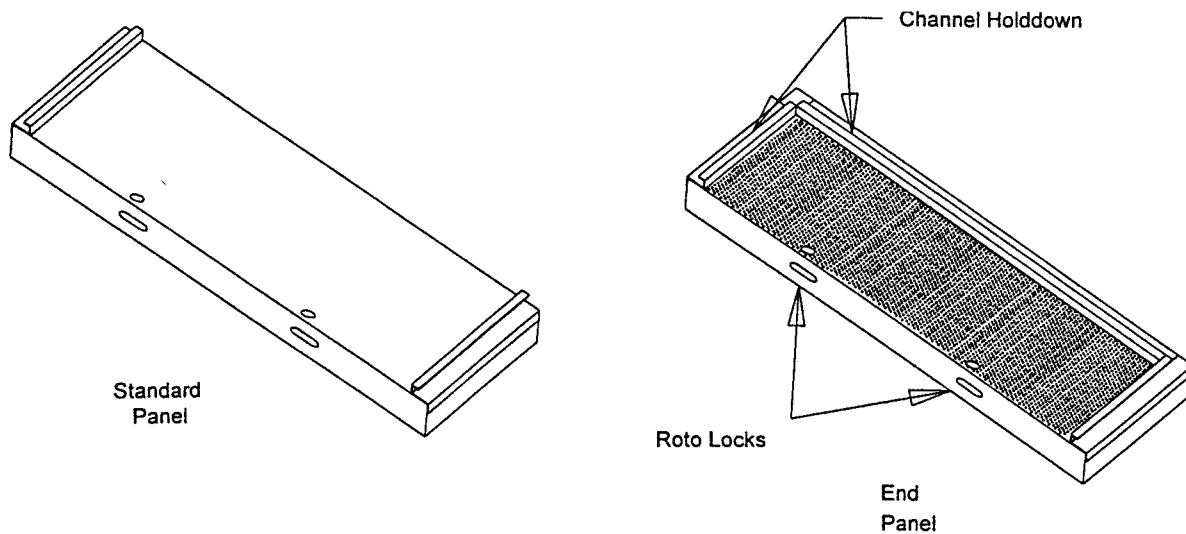
INSTALLING CEILING FRAME RAILS (CONTINUED)

CEILING RAIL ALIGNMENT

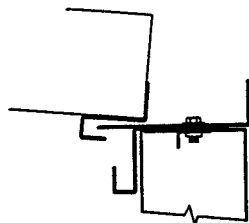
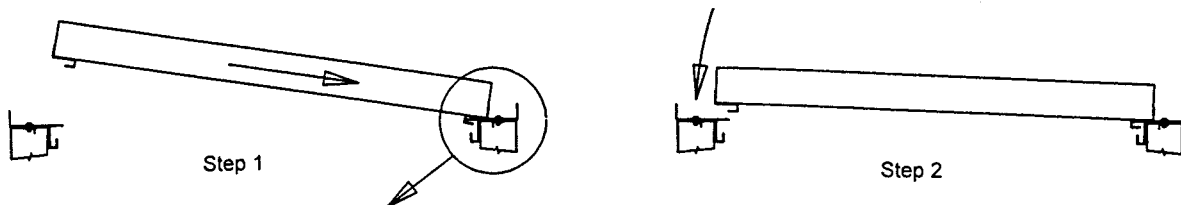


The vertical lip of the ceiling rail system shall be nearly even with the outside of the wall panels. While all bolts are loosely placed, make sure the outside alignment is correct. This will cause a space behind the formed channel on the module's interior. This is the correct alignment. All rails, corners and spacer joints should fit together perfectly. If they do not, the frame will not be square and needs readjusting. The most important factor is that no gaps be allowed between any or all ceiling rail pieces. Not tighten all bolts.

INSTALLING CEILING PANELS



The ceiling panels are installed from inside the module. They rest on the straight edge of the ceiling rail above the formed channel. Each ceiling panel has a channel section attached to it at each end. The two end panels also have a channel along one side. Install the end panels first. Each ceiling end panel has roto lock connections on only one side. This is the side that will connect to the other ceiling panels. The end panels have only one male roto lock and one female roto lock. **Before the ceiling end panels are installed it is necessary to switch the roto locks between end panels to make up a set of end panels.** One of the panels will have two male roto locks and the other panel will have two female roto locks. Use a Phillips screwdriver to make these changes. Then install ceiling end panels so the one with female roto locks will be matched with male roto locks on the next ceiling panel.

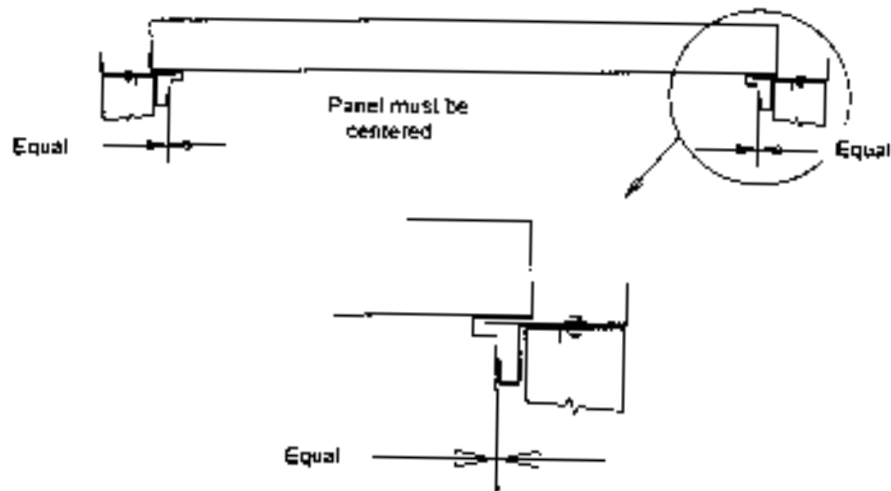


To install ceiling panels, lift one end over the wall and slide channel on the bottom of the other end into the straight edge of the ceiling rail as far as it will go. **BE CAREFUL** not to hit the connector when installing ceiling panels. Lower the other end of the panel into place, then center the ceiling panel so that both channels are evenly extending over the ceiling rails edge. Push both end panels as far to the outside of the end wall as they will go.

INSTALLING CEILING PANELS (CONTINUED)

CEILING PANEL CONFIGURATION

Install the remaining ceiling panels in the same manner, alternating solid and perforated units and place lights in the appropriate position. Place the first connection cable (closest) to power panel from the lights down the outside of the module for the present time. Make sure remaining connection cables stay on top ceiling panels. Make sure male and female roto locks mate properly, but do not lock the panels together yet.



ALIGNING CEILING

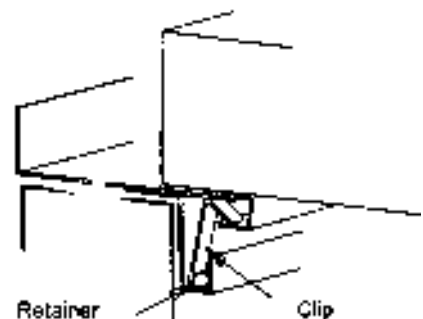
All ceiling sections are now in place but not locked together. Before roto locks are engaged, align the panels squarely on the module. Use the wall panel edges as guides and align ceiling panels with the wall panels. Then be sure each panel is properly centered on the edge of the ceiling rail. Allow equal overlap for the ceiling channel at each side wall and at the ceiling end channel in relation to the end wall.

LOCKING CEILING

Starting at one end, engage roto locks carefully, partially tighten both locks before full tension is applied so ceiling panels are not shifted by the locks.

LOCKING CEILING TO V-READY ROOM

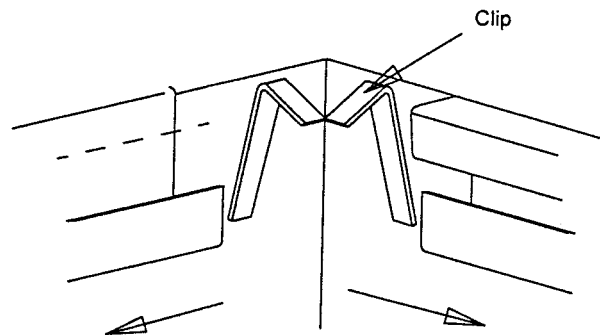
With all ceiling panels now in place and locked together, the ceiling system needs to be locked to the wall structure. Remove the stack of angles (ceiling clips) and short tubular pieces (clip retainers) from the hardware box. These clips will now be installed to lock the ceiling to the module itself.



INSTALLING CEILING PANELS (CONTINUED)

CLIPS

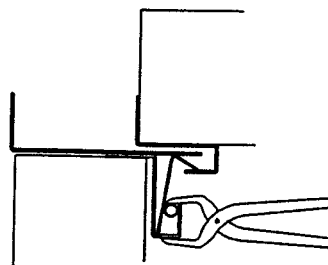
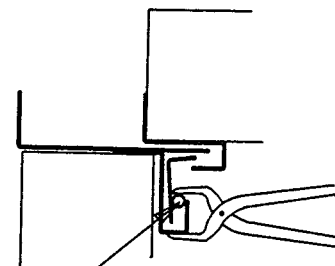
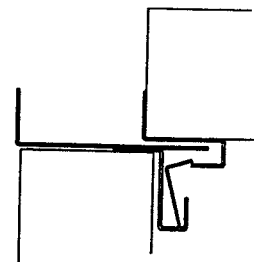
The clips are inserted from the corners of the module where space is provided in the ceiling frame rail. The short leg of the clip is inserted into the channel of the ceiling panel while the long leg slides into the formed channel of the ceiling frame rail. Clips are then slid in the rail to proper position. Place one clip in the center of each ceiling panel end. On the long side of the ceiling panel, place clips every 15" to match pattern of clips on ends of ceiling panels. At all four corners, place one clip in each direction, but within the first 7 1/2" of corner for proper seal. Do not place a clip on the ceiling rail splices.



RETAINERS

With clips now in place, the clip retainer is inserted. Lay retainer on the ceiling rail channel directly in front of a clip. Compress retainer straight down to the bottom of the rail. Insert one retainer per clip using an adjustable jaw pliers or Wenger clip retainer tool. (Part No. 115_204)

This unit is now structurally complete.



LIGHTS

Remove packing tape from tubes in fixture and attach light diffuser lens.

HOLE PLUGS

Insert the light colored hole plugs into all holes except those in the door and windows. Insert the dark colored hole plugs into the door and window roto lock holes.

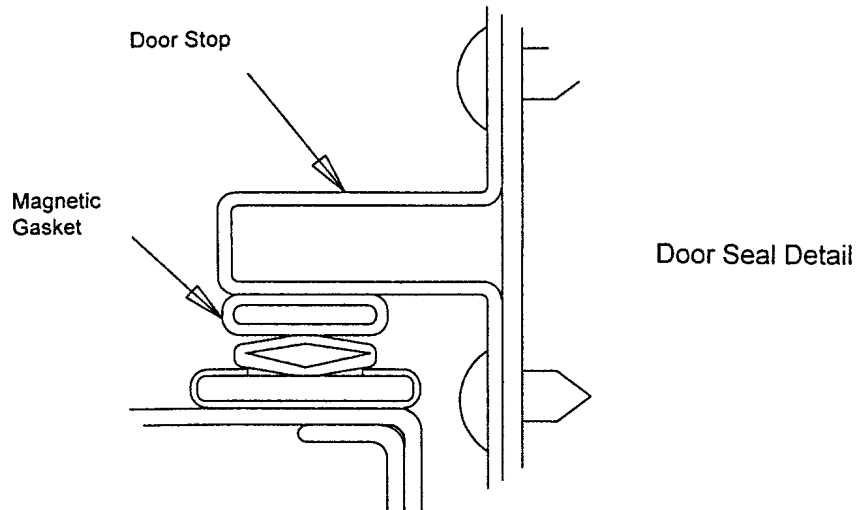
DOOR STOP

A door stop bumper is provided with each module. (taped to the outside of the door lever set). Select the location of the mounting by opening the door and choosing the locations you want to prevent damage. Remove self adhesive cover and install on the wall.

CLEAN UP

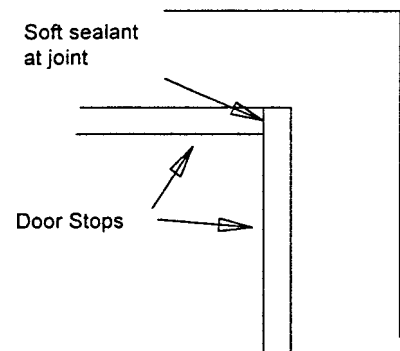
The clean up of panels and glass adds greatly to the appearance of the module. Finger prints, smudges and other marks may be easily removed with a damp cloth and common detergent or commercial cleaner.

DOOR SEAL ADJUSTMENTS

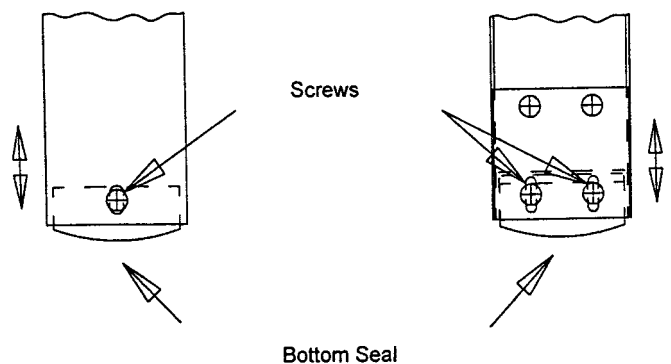


Once the unit is completely assembled, recheck the door seals. Pull the door closed slowly while standing inside the room (outside the room for in-swinging doors). Watch the magnetic gasket as it makes contact with the door stop on the hinge side. If the gasket is squeezed and distorted, the door stop is too close to the door. If the door closes completely and the gasket is not completely sealed, the door stop must be adjusted closer.

Loosen the door stop screws slightly and move stop in the proper direction. The magnetic gasket should jump slightly to the door stop when it is adjusted correctly. Retighten the screws and check upper corners of the door stop to see that the soft sealant is still sealing the joint between the vertical and horizontal door stop.



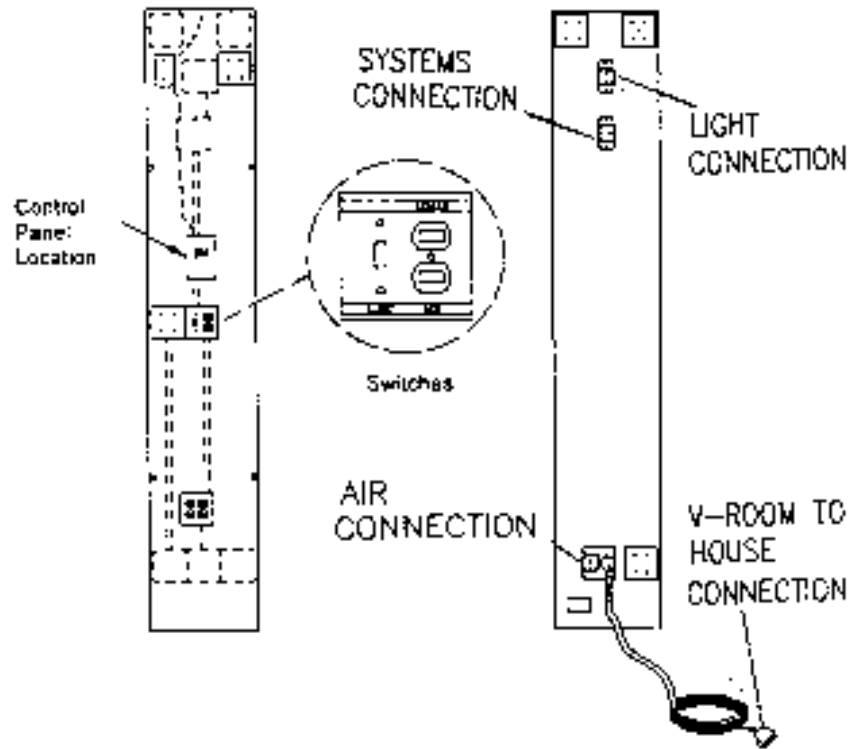
The sweep seal on the bottom of the door must also be checked for a proper seal. This seal should compress slightly when closing the door. This adjustment is made by loosening the three screws located on the ends. Readjust height and retighten the three screws.



ELECTRICAL CONNECTIONS

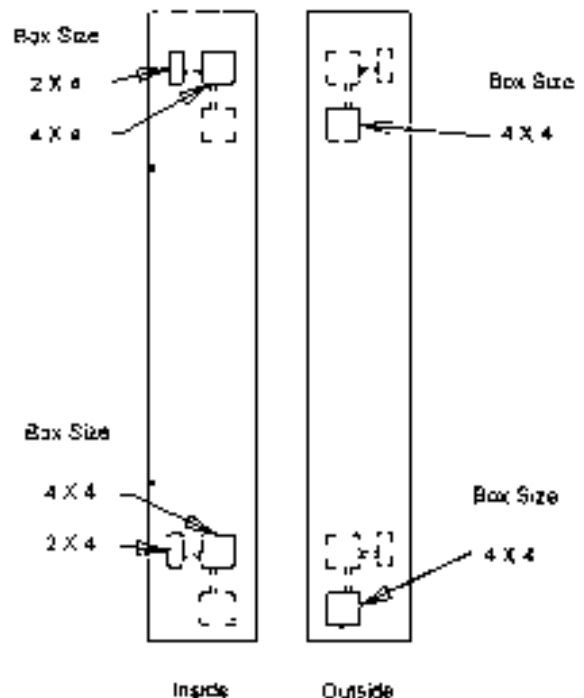
Plug in connector cables, for the light fixture closest to the power panel. Then connect light to light. Plug in connector cables, for the fan panel closest to the power panel. Then connect fan to fan. Insert house service connector cable from power panel to the connector on the wall (preinstalled by electrician).

Enter module and turn on the lights and fans. Check to see that all is working properly.



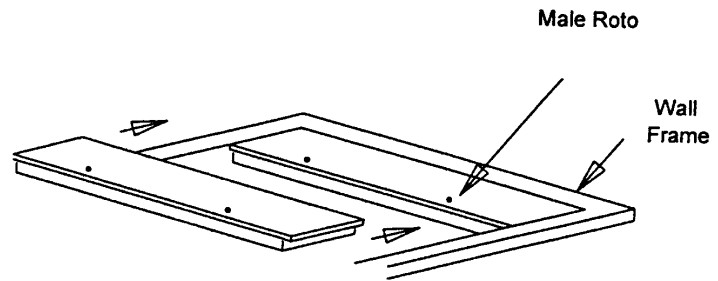
COMMUNICATIONS PANEL (OPTIONAL)

This panel has raceways from inside to outside that may be used for connecting additional electrical devices into module as needed. When wiring is completed, be sure to seal any openings with a soft sealant to stop sound leakage.



INSTALLING THE FLOOR SYSTEM

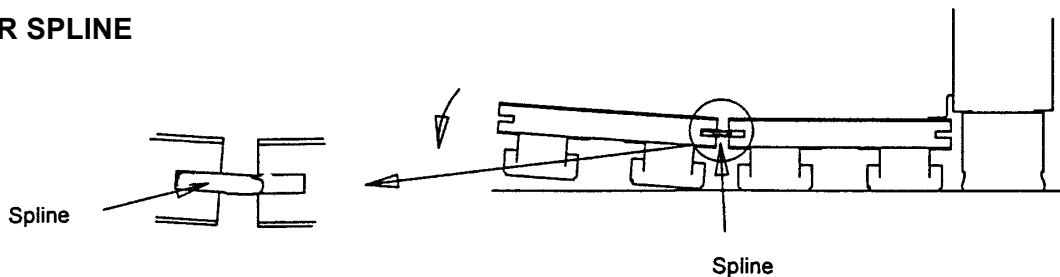
The floor sections come in two widths, 15" and 30". They lock together with roto locks like the wall panels of the module.



FLOOR SECTION ROTO LOCKS

Each section has two male roto locks on one side and two female roto locks on the other side. To prepare the first floor section, with a Phillips screwdriver, remove the female roto locks and brackets from this floor section only. Place this side flush against the wall frame. The female lock side or end of panels must be away from the door to avoid interference with the threshold plate.

FLOOR SPLINE



After the first floor section is properly placed, insert the floor spline in the grooved edge so that the smooth side of the spline is up and the exposed edge has the bevel down. Do not hit the edge of the spline with anything that would damage the edge. Hint: if spline is tight, you may rub a dry soap bar along spline to assist assembly.

FLOOR INSTALLATION

Keeping male locks matched to female locks, set the second panel to the spline protruding from the first panel. **NOTE:** Avoid sliding the panels on the cement as the rubber pads on the bottom of the isolators could be damaged. Place panels together until male locks will engage. Alternately tighten both locks to keep ends even.

NOTE: It may be necessary to notch edges of floor to clear clips on the wall frame.

INSTALLING THE FLOOR SYSTEM (CONTINUED)

CENTERING THE FLOOR

When all the sections are locked together, a solid one piece floor is the result. It should be centered within the wall frame, not touching the frame. Floor should have a gap of 1/4" to 3/8" space all around it. Roto lock holes in the floor are to be plugged with small hole plugs from the hardware kit for floors.

DOOR STEP TRIM

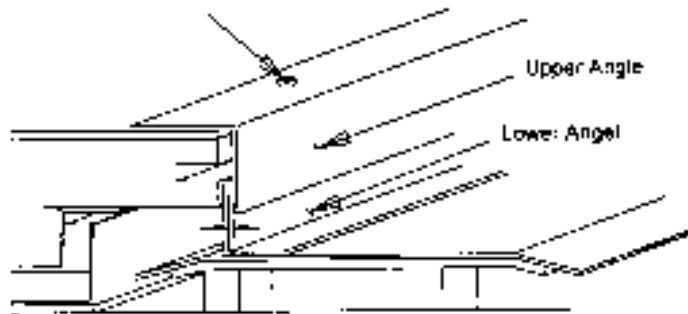
Reposition upper angle, placing it approximately 1/16" in front of lower angle.
Mark position of holes and set upper angle aside.
Drill 1/8" pilot holes, put upper angle in place and fasten with flat head screws.

This trim is used in the door opening only when a sound module floor system is installed. It consists of two plated angles. One angle with countersunk holes and one with tape applied.

Remove backing and install lower

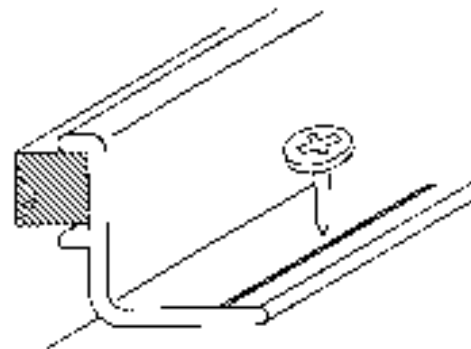
angle to door threshold, keeping vertical leg approximately 1/16" away from edge of floor.

May use upper angle as a temporary spacer jig. Press angle firmly to threshold. Located upper angle so that the vertical leg is approximately 1/16" in front of the vertical member of the other angle. Mark holes on floor surface, drill 1/8" pilot hole and attach with flat headed screws provided in floor hardware kit.



FLOOR TRIM MOLDING

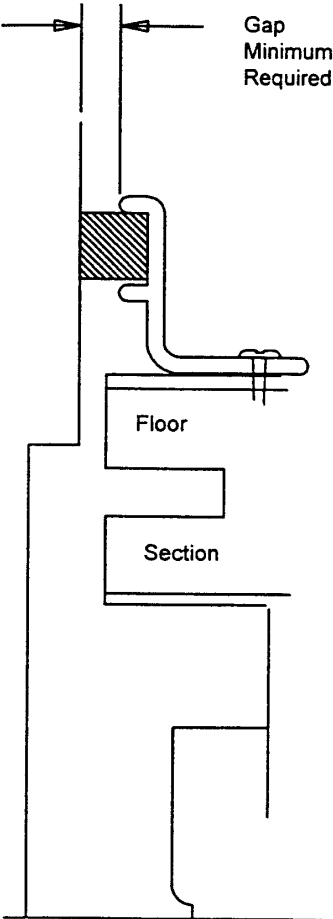
The trim moldings that are provided are screwed to the floor of the module. Moldings consist of eight corner pieces, both right and left hand mitered, and lengths of straight moldings. **NOTE:** Molding has a screw groove on its floor side surface. The wall side surface is smooth and has gasket on the back side of it.



INSTALLING THE FLOOR SYSTEM (CONTINUED)

MOLDING INSTALLATION

Place two matching mitered corners in position and screw to floor. Do all corners this way. Measure between the corners, with a hacksaw, cut the molding to length as needed. Note: Keep metal molding away from wall with a slight gap so it does not touch the wall panels. Foam strip on back of molding should be compressed to seal to wall. Add the remaining molding and screw in place. Slightly miter cut the molding at each side of the door frame for a neat appearance.

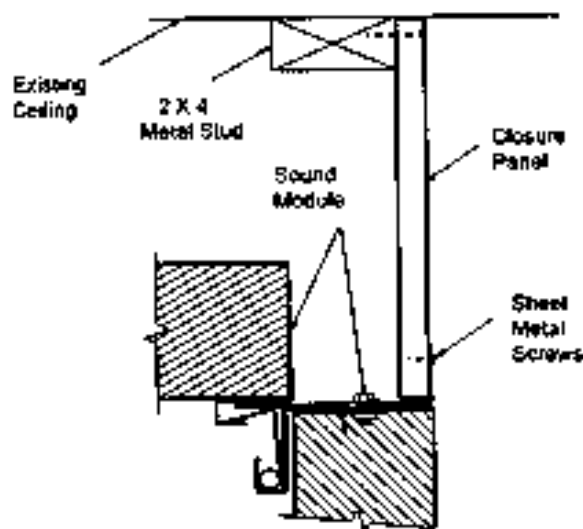


INSTALLING THE HORIZONTAL CLOSURE PANELS

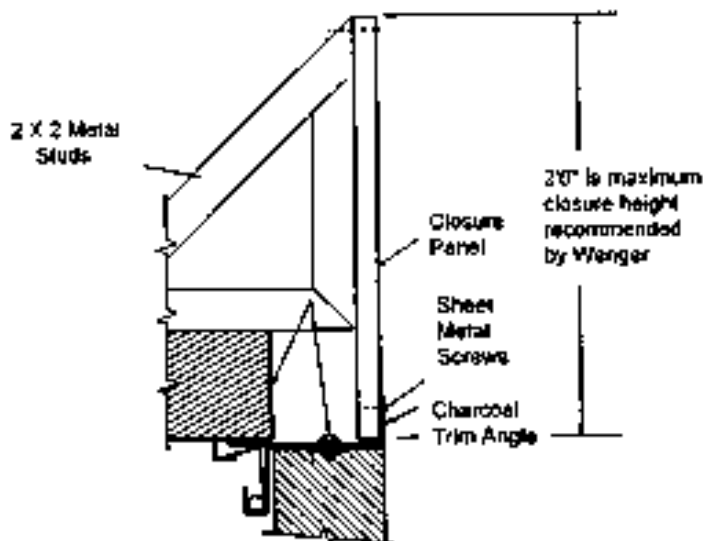
Material - Polyboard, 3/4" face both sides to be oyster colored thermoset polyester, substrate industrial particle board with plastic "U" channel all edges. Mounted using sheet metal screws painted oyster into metal 2x4 studs provided for support.

Application - Full width coverage from module ceiling rail to ceiling, cut to fit at installation.

Optional - A ventilation grille, painted oyster, approximately 8x13 1/2" added to closure.



Horizontal Wood Closure
8" 4" minimum from
floor to bottom edge of
ceiling



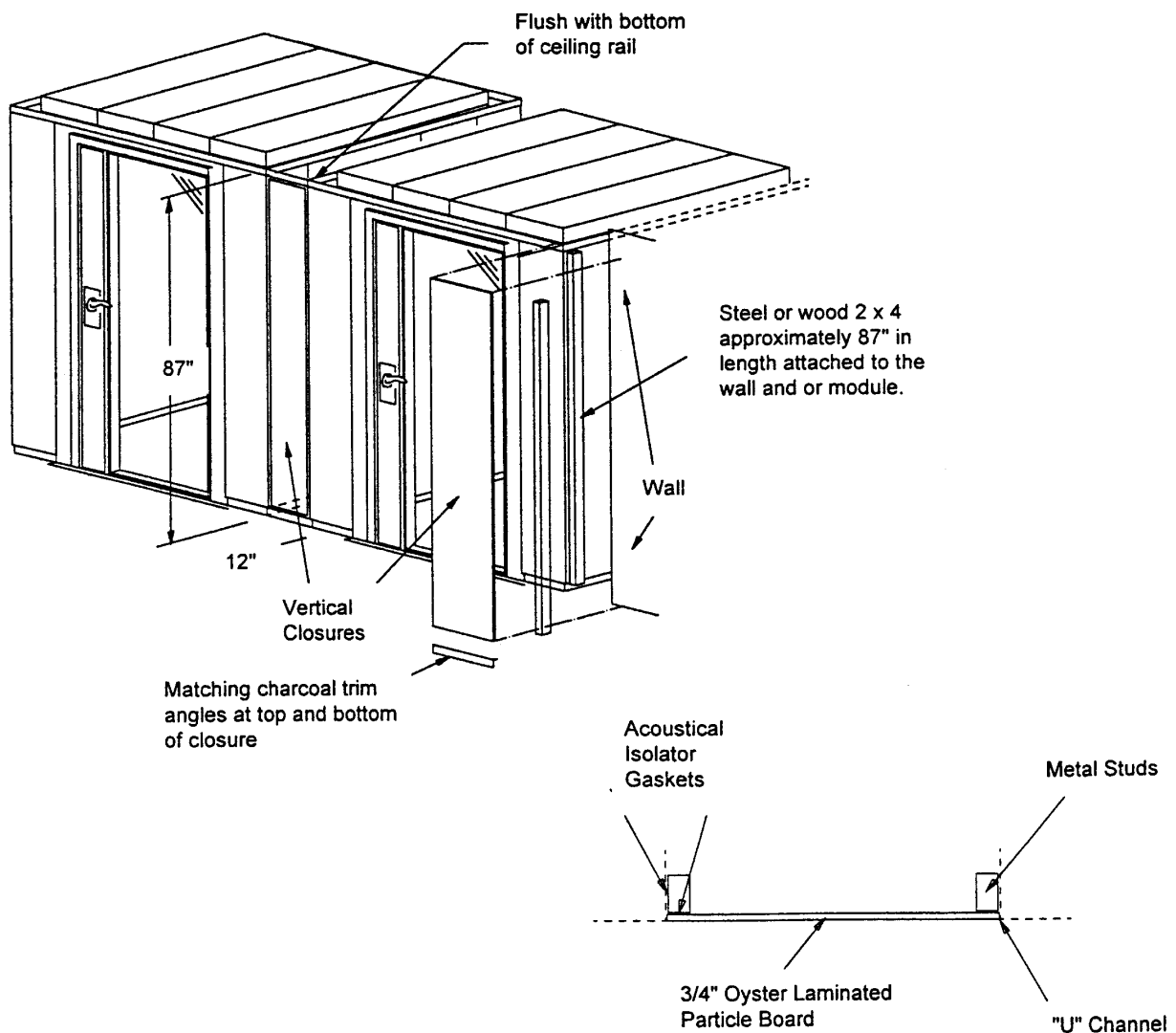
Self Supporting
Horizontal Closure
9' 8 1/2" maximum
from floor to top edge
of horizontal closure

INSTALLING THE VERTICAL CLOSURES

Material - Polyboard, 3/4" faces both sides to be oyster colored thermoset polyester, substrate industrial particle board with acoustical isolator gaskets and plastic "U" channel on all edges. Mounted using sheet metal screws painted oyster into metal 2x4 studs provided for support.

Application - Full length coverage from module ceiling rail to floor, cut to fit at installation.

Optional - A ventilation grille, painted oyster, approximately 8"x13 1/2" added to closure.



Installation is now complete.

MAINTENANCE

CLEANING

Painted Surfaces - Any commercial non-abrasive cleaner

Glass - Any commercial glass cleaner

Floor - Standard floor cleaner

Vent Grille - Remove, clean in a commercial detergent and replace

ADJUSTMENTS

Magnetic door gasket to door stop - Adjust only as necessary. See page 24.

- A. Loosen screws in vertical and/or horizontal door stops.
- B. If gap is too tight, tap stops away from door with a rubber mallet or smooth wooden block.
- C. Close door.
- D. Gently tap stops toward magnetic gasket until a seal between magnet and door stop is made.
- E. Open door and retighten screws
- F. Remold sealant in upper corners where vertical and horizontal stops meet, if this seal is damaged during adjustment.
- G. If there is a gap between the door stop and gasket perform steps C through F.

Sweep Seal Gasket at bottom of the door - adjust only as necessary. See page 24.

- A. Loosen two screws at sweep on latch side and one screw at sweep on the hinge side of the door.
- B. Place Phillips screwdriver bit on screw heads and tap down on both ends of seal to lower sweep seal. **NOTE:** If seal is forced down too far the door will be hard to open and close. Tighten adjustment screws.

Oil Fan Motor

- A. Remove four screws from inside service panel to remove the panel.
- B. Slide three retaining clips from top channel.
- C. Pull top of plate assembly, with large hole, out of housing.
- D. Pull fan from bottom up and tip out to have access to motor. Put one drop of 10W, 20W or light machine oil in each of the two holes located on the motor.
Do not use WD-40! WD-40 can damage motor!
- E. Lower fan into position and replace plate assembly. Replace retaining clips, replace service panel cover and secure with the four screws. **NOTE:** Oiling annually is sufficient. Over oiling can be damaging.

MAINTENANCE (CONTINUED)

REPLACEMENTS

Fan Assembly

- A. Turn fan switch to off and unplug fan connector cable from power panel.
- B. Repeat step A, B and C of "Oil Fan Motor".
- C. Remove screws holding springs. Lay fan flat and open electrical box on fan motor.
Disconnect cord from motor.
- D. Remove fan unit.
- E. Replace the new fan in reversed order.
- F. Reverse steps A, B and C of "Oil Fan Motor".

Glass in Door or Window

Inner Most Glass Panel

- A. Remove glass retainers on outer side of door leaf frame.
- B. Remove 1/4" pane of glass **NOTE:** Glass is quite heavy.
- C. Remove one vertical perforated metal glass separator.
- D. Remove upper and lower horizontal separators (perforated metal).
- E. Remove remaining vertical separator.
- F. Remove inner panel of glass.
- G. Remove rubber channel edging from glass and place on new pane of glass
- H. Place new pane of glass into cavity, be sure surface to be placed between panes is clean.
- I. Reseal corners with soft sealant left over from disassembly.
- J. Replace separators, be sure thin wires are between rubber around windows and frame or door - these wires keep the separators from bowing out at the center.
- K. Clean glass with glass cleaner and soft rag.
- L. Replace outside window pane.
- M. Reseal corners with soft sealant.
- N. Replace retainers and smooth out soft sealant in corners.

Outside Glass Pane - unnecessary to remove separators.

Magnetic Gasket

- A. Open top leg of aluminum gasket retainer with a wide flat bladed screwdriver.
Do not destroy basic shape of lip.
- B. Open legs of vertical retainers at the extreme bottom where gasket is held from dipping below retainer.
- C. Slide gasket upwards out of retainers.
- D. Thread new gasket into retainers starting from top, fitting open ends simultaneously into channels on both sides.
- E. Use extreme care in pulling gasket into retainers to avoid damage to the thin webbing. Grasping the gasket around the magnet and pulling out away from the door and then down, will help avoid damage. The gasket should be held up about 6" above the door so that it can be fed straight into the vertical retainers.

MAINTENANCE (CONTINUED)

Sweep Seal Gasket

- A. Remove four screws at sweep on latch side, remove the plate and remove one screw at sweep, holding sweep at hinge side.
- B. With door open about 12", push down on end of sweep seal and pull it out from end (or latch side) of door. It will help to fold the flange seal foam up and out of the way to ease pulling sweep seal from door. This will also ease installing a new seal.
- C. Reverse this process to replace with new sweep seal.

Key Replacement

A list of key numbers should be made immediately following installation and kept in a safe place. Should any keys be misplaced, you may contact the closest Schlage lock distributor.

CAPACITIES AND RATINGS

A. Ceiling Capacity:.....100 lb./sq.ft.

B. Average Draw:

The recommendation for power connections to V-Room Practice is that each room must have one dedicated 20A circuit.

1. Light Fixture

One 8" Fixture.....1.1A

One 4' Fixture6A

2. Fan (each)1.9A

3. Electronic System (V-Room Practice only).....1.0A @ 120V AC 60 Hz

Inrush Current.....20A maximum for 2 msec.

Time to Steady State10 msec.

4. Interior outlets, maximum amperage per power panel available is 10 amps.

C. Floor Load Capacity

1. Distributed Load.....200 lb./sq.ft.

2. Concentrated Load300 lb./sq.ft.

D. Glass Specs: (CPSC Standard No. 1201 Category II) Covered by Federal Spec. DD-G-451C

1. Inner Pane: 3/16"x24 15/16"x76 7/8" Laminated Safety Glass with .030 Plastic.

2. Outer Pane: 1/4"x24 15/16"x76 7/8" Laminated Safety Glass with .030 Plastic.


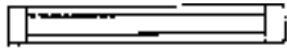
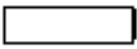

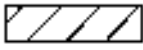


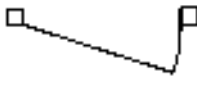
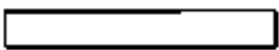
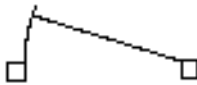
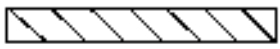


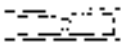

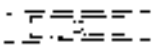

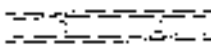
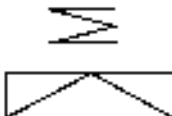

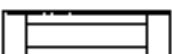
GLOSSARY

BOTTOM SEAL	Sweep seal at bottom of door leaf (page 24)
CEILING CLIP	Metal angle bracket located in channels of ceiling frame and ceiling panel frame that lock ceiling in place (page 22)
CEILING FRAME	Metal assembly that rests on wall panels and supports the ceiling panels (page 17)
CEILING PANEL	Modular panels that make up the ceiling (page 20)
CEILING RETAINER	Piece of tubing used to force cam lock action of ceiling clip (page 22)
CONNECTION CABLE	Electrical hardwire cable connecting panel to panel (page 14 & 25)
CONTROL PANEL	Part of electrical panel. Contains plate where future control panel will go for V-Room Practice (page 25)
CORNER PANEL	Contains integrated special boxes and wiring (page 13)
DIFFUSER	Fixture added to back of vent panel to improve sound control (page 15)
DISTRIBUTION CONNECTOR	Electrical hardwire fixture to make connections (page 1 & 3)
DOOR ASSEMBLY	Door outer frame and door leaf fully assembled (page 6)
DOOR LEVELING FEET	Rubber pad with threaded shank providing height adjustment (page 6)
DOOR LEVERSET	Handle with lock (page 6)
DOOR SEAL	Magnetic gasket on door leaf (page 24)
DOOR STEP TRIM	Metal plates used to protect floor edging at doorway (page 24)
DOOR STOPS	Channel that the magnetic gasket seals against in door frame (page 24)
FAN UNIT	A housing added to wall panel that will pull air through the module (page 14)
FLOOR SPLINE	An alignment key between floor panel sections (page 26)
HOLE PLUG	Plastic plug for holes in module panels (page 23)
LEVELING SCREWS	Adjuster in wall frames with access from top side of frames (page 9)

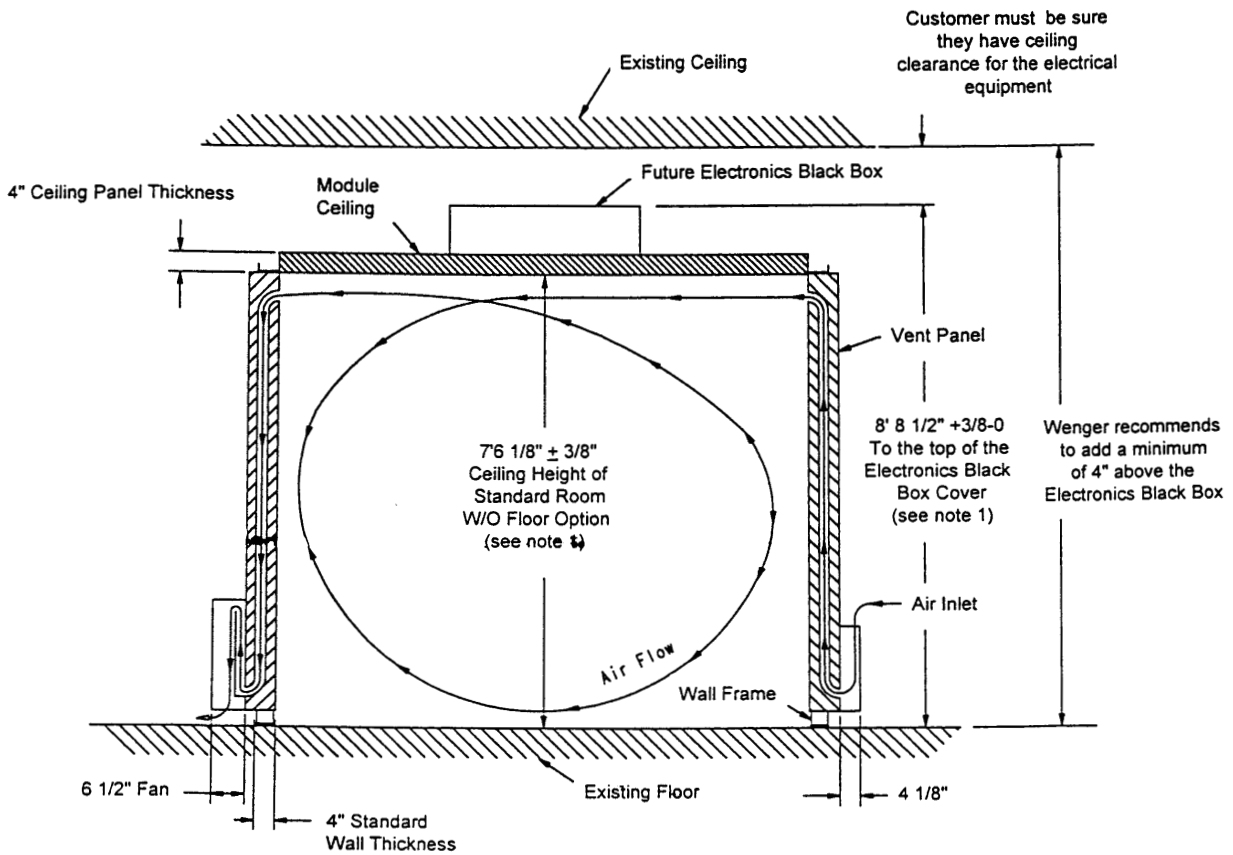
GLOSSARY (CONTINUED)

MIC PANEL	Modular perforated, 15" vertical wall section that contains the microphone mount (diamond shaped hole pattern on the perforated skin) (page 10)
MODULAR BEAMS	A structure that bridges from wall to wall and support the ceiling (page 16)
OUTSIDE ANGLE SEAL	Angle projection from door leaf on outside of frame with sound seal (page 8)
RETAINER	Round metal barrel used to hold ceiling clips in place (page 22)
ROTO LOCK	Cam action device to lock module panels one to another (page 11)
SEPARATOR	Perforated channel that separates the two panels of glass (page 32)
SOFT SEALANT	Soft, pliable butyl rubber (page 32)
SPACER JOINT	Ceiling frame section that fills spaces between the larger frame rails (page 18)
STUDS	Pins located at bottom of wall panels (page 10)
TABS	A plate added to ceiling joints and corner ceiling frames to hold alignment (page 18)
TRIM MOLDING	Metal angle to finish off module at floor, to wall at base (page 27)
WALL FRAME	Channel with sound seal and leveling adjusters. Makes up module foundation. (page 4)
WALL FRAME CLIPS	Metal "C" shaped device that couples wall frame sections together (page 5)
WALL PANELS	Modular vertical wall sections (page 10)

SYMBOL - LEGEND (OYSTER/CHARCOAL)

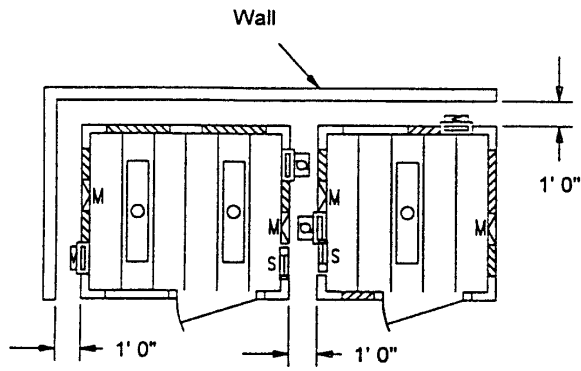
Corner Post			30" Window Wall Panel
15" Perforated Wall Panel			Right hand out swing black, pebble, wedgewood and raspberry inserts
15" Solid Wall Panel			Left hand in swing black, pebble, wedgewood and raspberry inserts
Communication Panel			Left hand out swing black, pebble, wedgewood and raspberry inserts
30" Perforated Wall Panel			Right hand in swing black, pebble, wedgewood and raspberry inserts
30" Solid Wall Panel			115V - 20 Amp House Service (to be installed by others)
15" Vented Wall Panel			60" Ceiling with Light
15" Fan Panel and Fan			75" Ceiling with Light
15" Power Panel with Fan & Light Switches: Interior & Exterior Outlets: Electrical & Audio			105" Ceiling with Light
15" Microphone Wall Panel			HVAC Plenum with 8" Round Adapter
15" Window Wall Panel			

V-READY ROOM WITH FAN



Profile Section Thru Typical Module

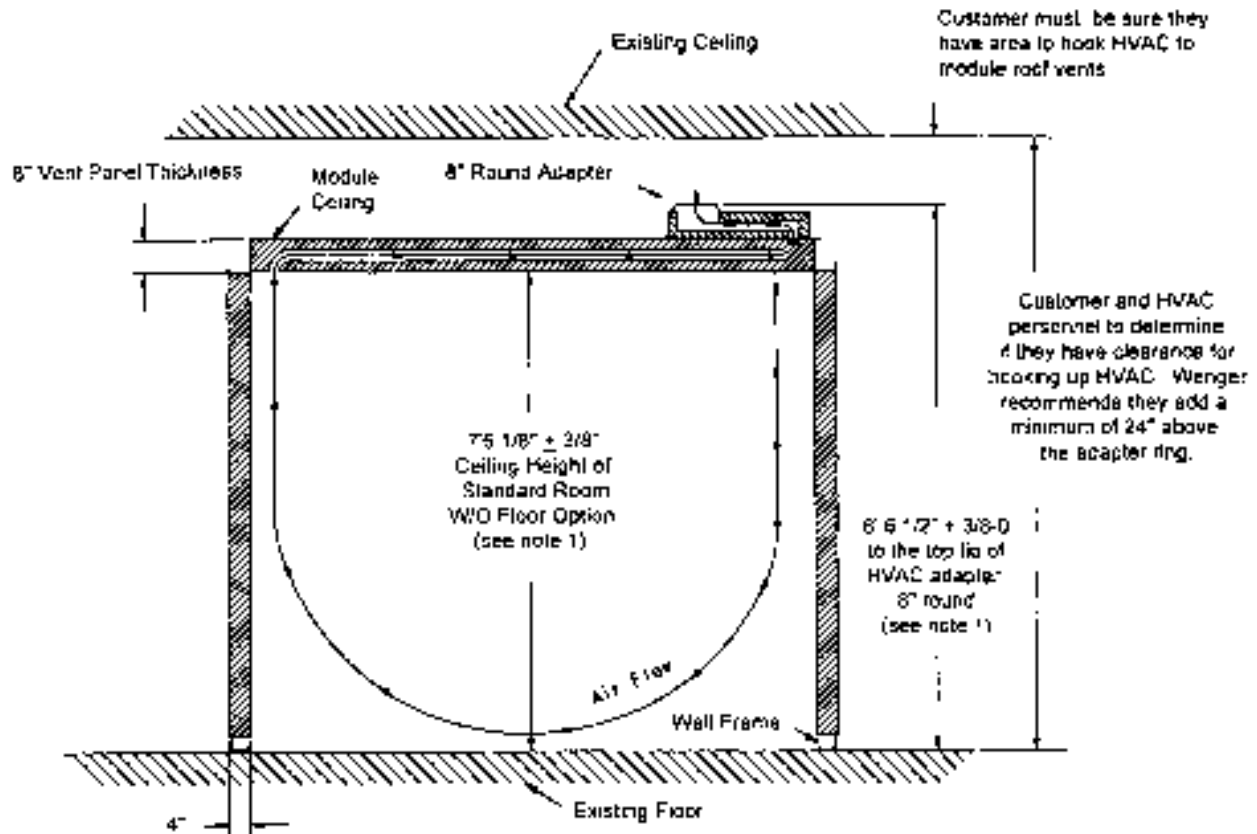
Recommended Minimum Clearance Chart	
Standard	Height Unit With 9'0"
Electronics Black Box	



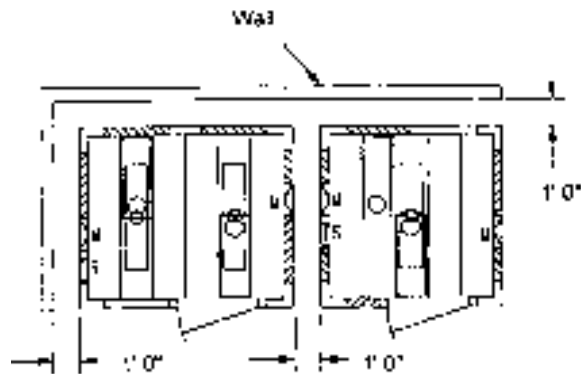
Typical Floor Plan
(see notes 2 & 3)

- Notes:
1. The base has 3/4" of adjustability for irregularities in the floor.
 2. A minimum of 12" spacing is required between modules.
 3. Panel changeability: The wall panel arrangements shown are typical for V-Ready Rooms.
 4. Optional Vertical Window Panels are available with 12.69 square foot or 4.73 square foot of glazing.

V-READY ROOM WITH HVAC



Profile Section Thru Typical Module



Typical Floor Plan
(see notes 2 & 3)

Notes:

1. The base has 3/4" of adjustability for irregularities in the floor.
2. A minimum of 7" spacing is required when a wall vent panel must be used. Models where both intake and exhaust can be located in the ceiling, the modules can be located within 1" of each other or module and the wall.
3. Panel changeability: The wall panel arrangements shown are typical for music practice, office or non-specialized usage. Each panel is a separate unit and can be positioned at any point around the frame, except for the corners. The unit can be ordered with any optional combination of panels.
4. Optional Vertical Window Panels are available with 12.69 square foot or 4.73 square foot of glazing.

Recommended Minimum Clearance Chart

Standard Height Unit With HVAC	10' 7"
Unit With 15" Wall Extension	12' 0"
Unit With 30" Wall Extension	13' 6"

