Instruction Manual
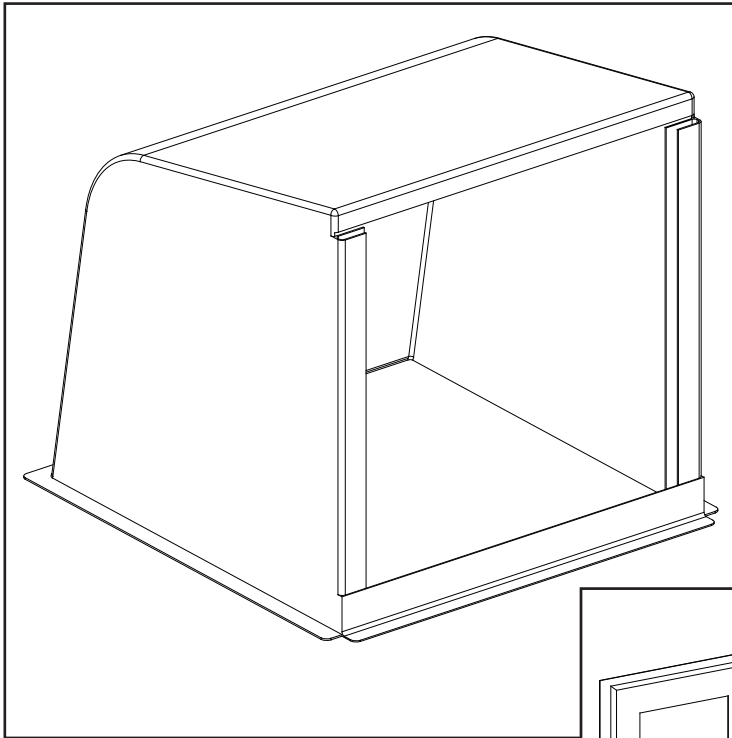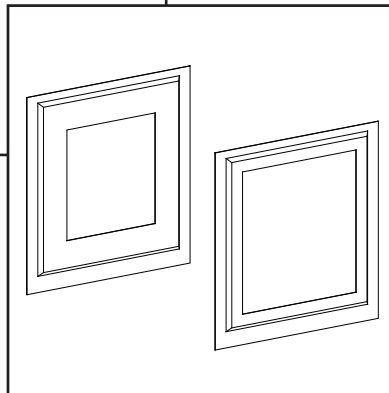

FPTR

FPTA14   *FPTA1618*

Fiberglass Pit Transition

Models: FPTR • FPTA14 • FPTA1618 • FA1660 (optional)

Munters

Fiberglass Pit Transition
Instructions for Use and Maintenance

Thank You:

Thank you for purchasing a Munters Fiberglass Pit Transition. Munters equipment is designed to be the highest performing, highest quality equipment you can buy. With the proper installation and maintenance it will provide many years of service.

Please Note:

To achieve maximum performance and insure long life from your Munters product it is essential that it be installed and maintained properly. Please read all instructions carefully before beginning installation.

Warranty:

For Warranty claims information see the "Warranty Claims and Return Policy" form QM1021 available from the Munters Corporation office at 1-800-227-2376 or by e-mail at aghort.info@munters.com.

Conditions and Limitations:

- Products and Systems involved in a warranty claim under the "Warranty Claims and Return Policy" shall have been properly installed, maintained and operated under competent supervision, according to the instructions provided by Munters Corporation.
- Malfunction or failure resulting from misuse, abuse, negligence, alteration, accident or lack of proper installation or maintenance shall not be considered a defect under the Warranty.

Index

Unpacking the Equipment

1.

Before beginning installation, check the overall condition of the equipment. Remove packing materials, and examine all components for signs of shipping damage. Any shipping damage is the customer's responsibility and should be reported immediately to your freight carrier. Fan is shipped complete with all accessories.

1.1 Parts List

Each Pit Transition FPTR includes:

1 – Fiberglass Pit Transition

1 – Hardware Package As Follows:

HP1200 – Hardware Package for FPTR Pit Transition

ID	Qty.	Cat. No.	Description
[A]	6	KS2105	#14 x 1.5" Lag Screw, SS
[B]	6	KS2282	#10-16 x ¾" HXWSR TEK Screw, SS

Each Pit Transition Adapter FPTA14/FPTA1618 includes:

1 – Fiberglass Adapter

1 – Hardware Package As Follows:

HP1210 – Hardware Package for FPTA Adapter

| ID	Qty.	Cat. No.	Description
[C]	8	KS0650	¼"-20 x ⅞" Truss Head Bolt, SS
[D]	8	KN0702	¼"-20 Serrated Flange Hex Nut, SS

Optional - Fan Mounting Kit FA1660 includes:

3 – Angles, 1.5" x 3" x 31", 90°, Fiberglass

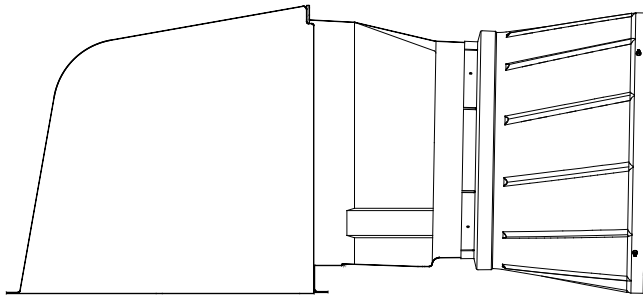1 – Hardware for FA1660 As Follows:

Hardware for FA1660

ID	Qty.	Cat. No.	Description
[B]	6	KS2282	#10-16 x ¾" HXWSR TEK Screw, SS
[C]	15	KS0650	¼"-20 x ⅞" Truss Head Bolt, SS
[E]	15	KN1717	¼"-20 Hex Flange, Nylock Nut, SS
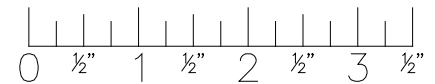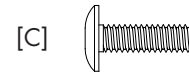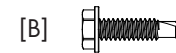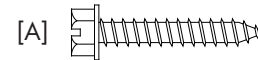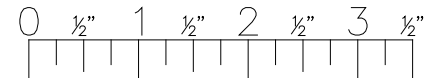
1.2 FPTR Dimensions

33"

35¾"

37⅞"
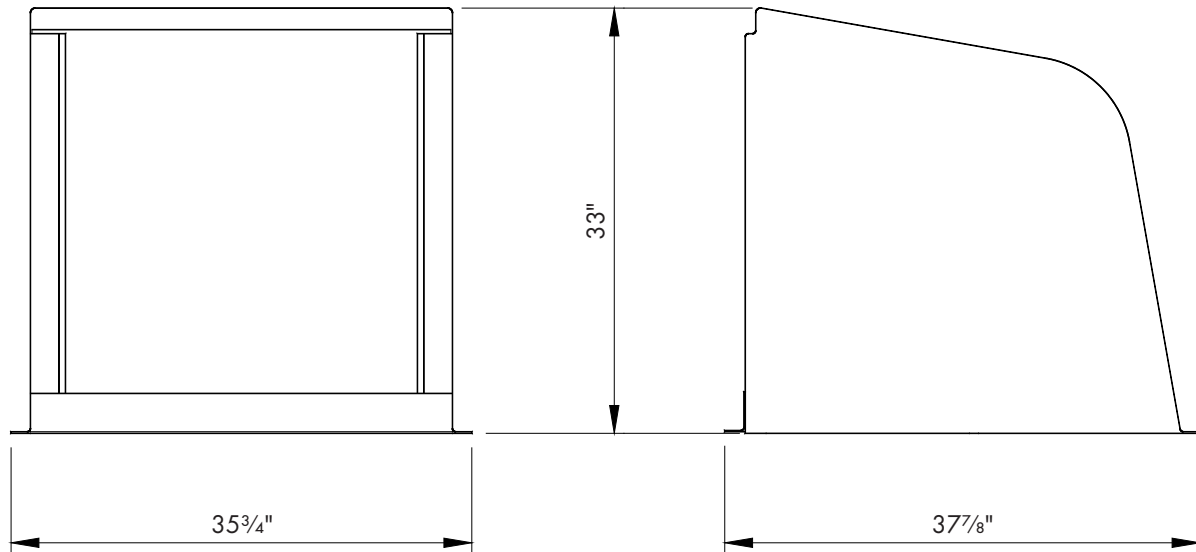
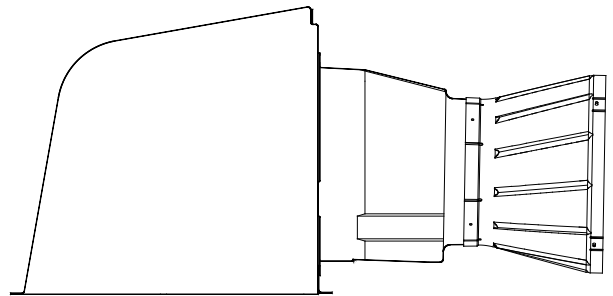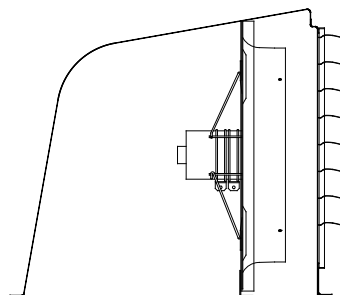## 1.3 Typical Configurations

Configuration 1
24" VX Fan

Configuration 2
14" - 18" VX Fans

Note:
- If using Configuration 1 or 2 then proceed to Step 1
- If using Configuration 3, proceed to Step 8.

Configuration 3
14" - 24" Classic Fans

Installation Instructions

2.1 Configuration 1 or 2 Installation

Step 1

Construct a framed opening of 32" x 32" in the pump-out lid or horizontal opening. *See Figure 1.* If pump-out lid or horizontal opening is concrete, it is recommended to frame a double treated 2 x 4 sill around the 32" sq. opening. *See Figure 2.*
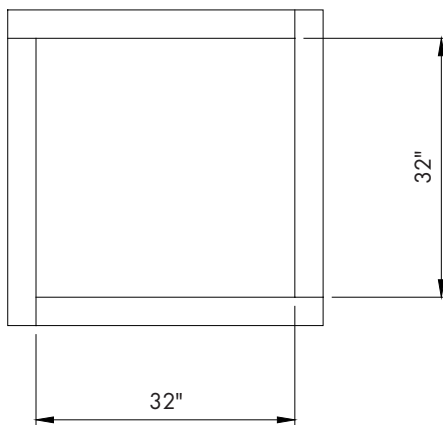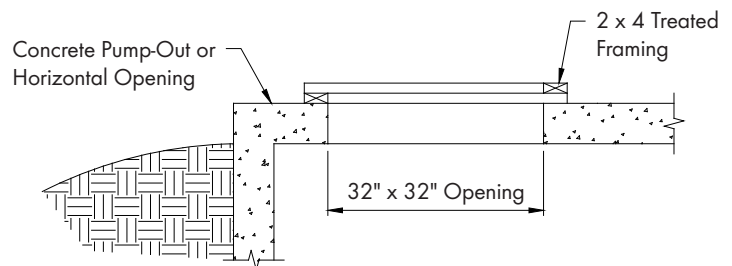
32"

32"

Figure 1

Concrete Pump-Out or Horizontal Opening

2 x 4 Treated Framing

32" x 32" Opening

Figure 2

Step 2

Apply caulk around FPTR flange and secure FPTR to framing using (8) Lag Screws [A] provided.. *See Figure 3.*

FPTR

2 x 4 Treated Framing
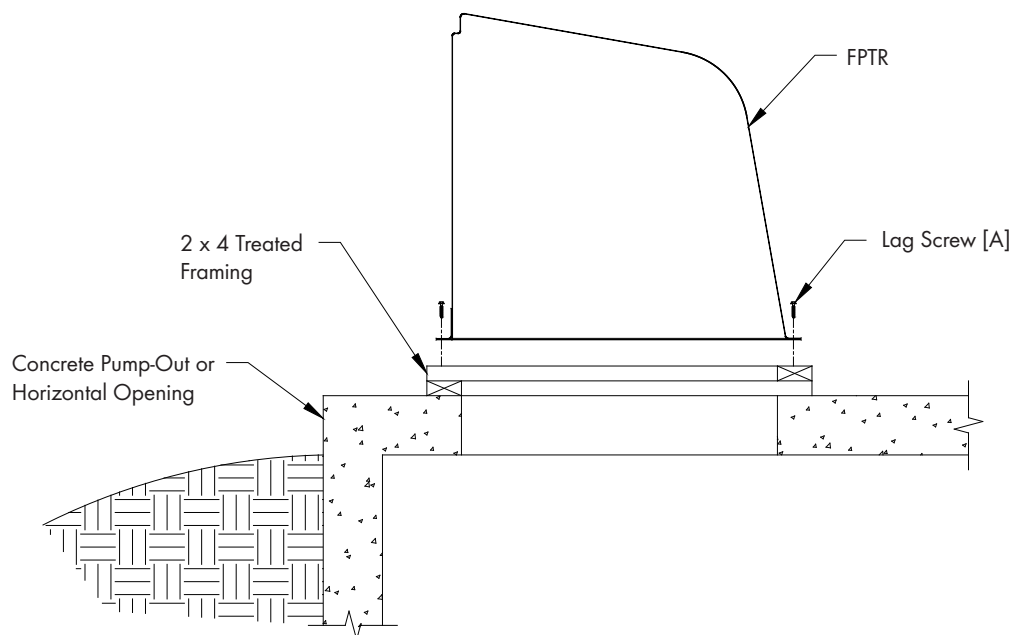
Lag Screw [A]

Concrete Pump-Out or Horizontal Opening

Figure 3

If using a 24" VX Fan then proceed to Step 3. If using a 14", 16" or 18" VX Fan, proceed to Step 4.

Step 3

    Install Shutter into back of fan and slide fan into place in FPTR housing slots. *See Figure 4.*

Installation Complete, proceed to Step 15.

Fan and Shutter
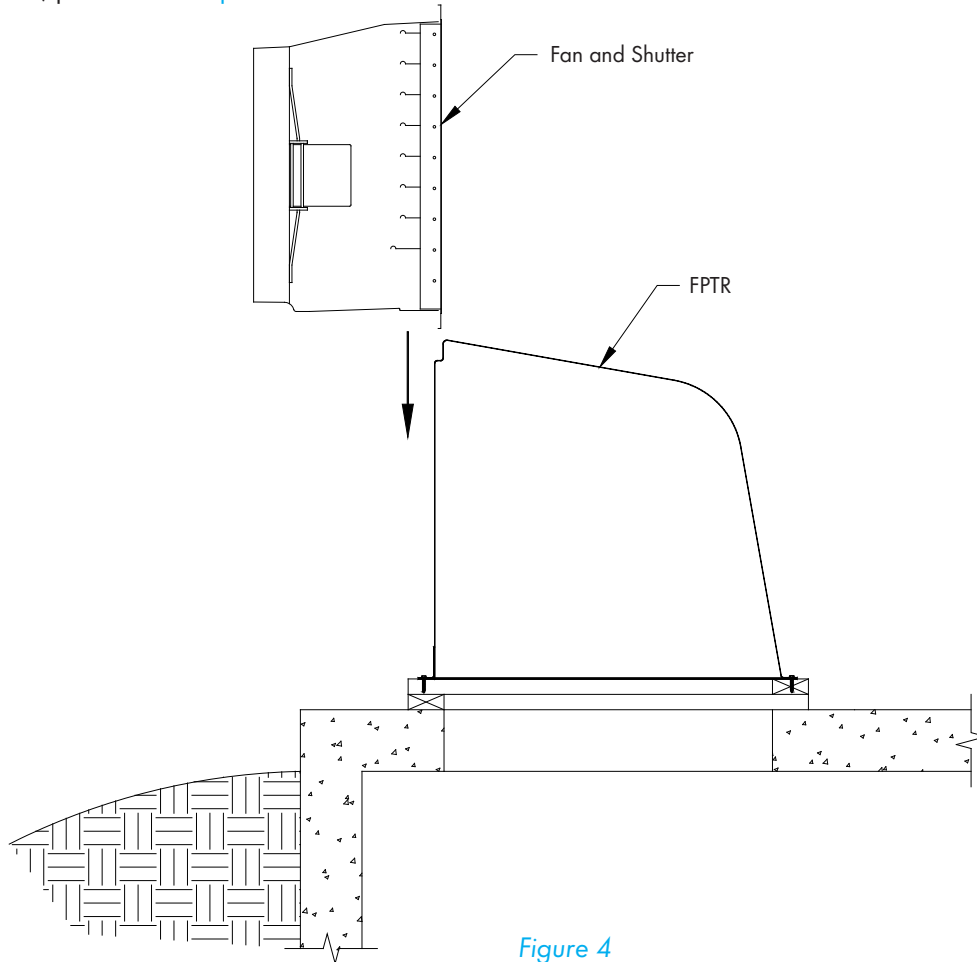
FPTR

Figure 4

FPTA14 or
FPTA1618

Pre-Cut Opening

Step 4

    Installation of 14", 16" or 18" VX Fan requires
the use of the FPTA14 for 14" fans or the
FPTA1618 for 16" or 18" fans. The Adapter
comes with the proper opening pre-cut.
See Figure 5.

$17\frac{1}{2}$" or $22\frac{1}{2}$"
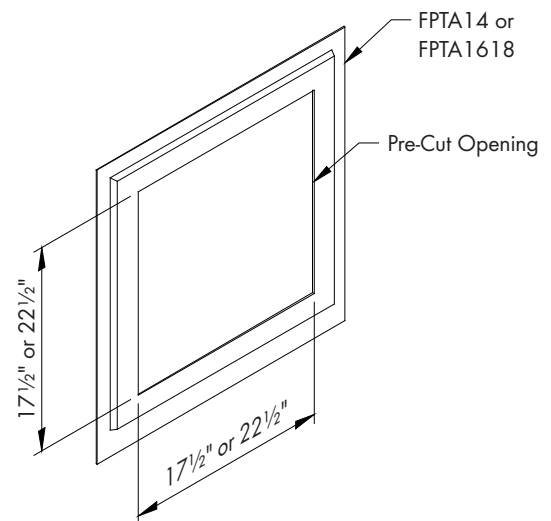
$17\frac{1}{2}$" or $22\frac{1}{2}$"

Figure 5

Step 5

Install shutter into back of fan. Insert fan with shutter thru opening in FPTA14 or FPTA1618 and secure with Bolts [C] and Nuts [D] provided. Be sure fan is installed thru FPTA from back side as shown. *See Figure 6.*

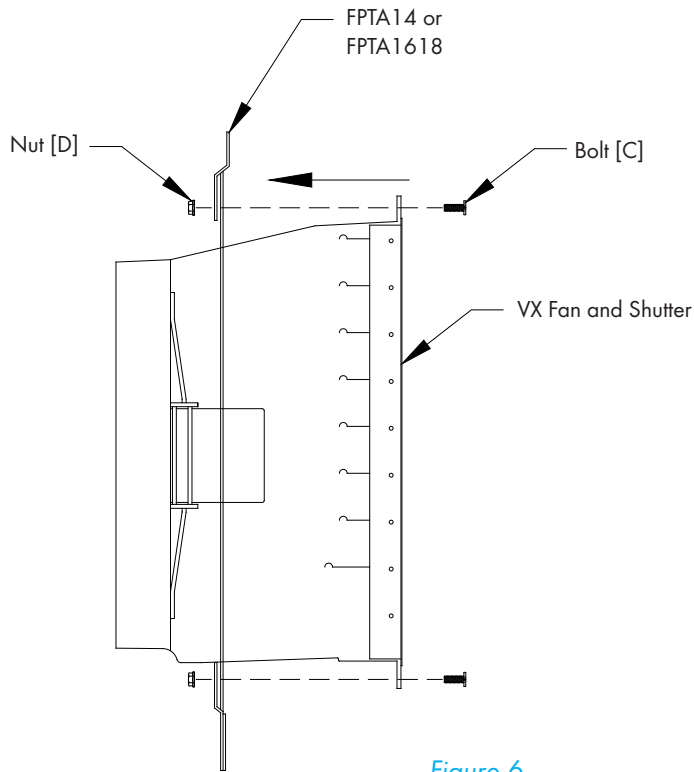FPTA14 or FPTA1618

Nut [D]

Bolt [C]

VX Fan and Shutter

Figure 6

Step 6

Slide Adapter with Fan and Shutter into place in FPTR housing slots and secure Adapter in place using (8) TEK Screws [B]. *See Figure 7.*

Step 7

Installation is now complete. Proceed to Step 15.

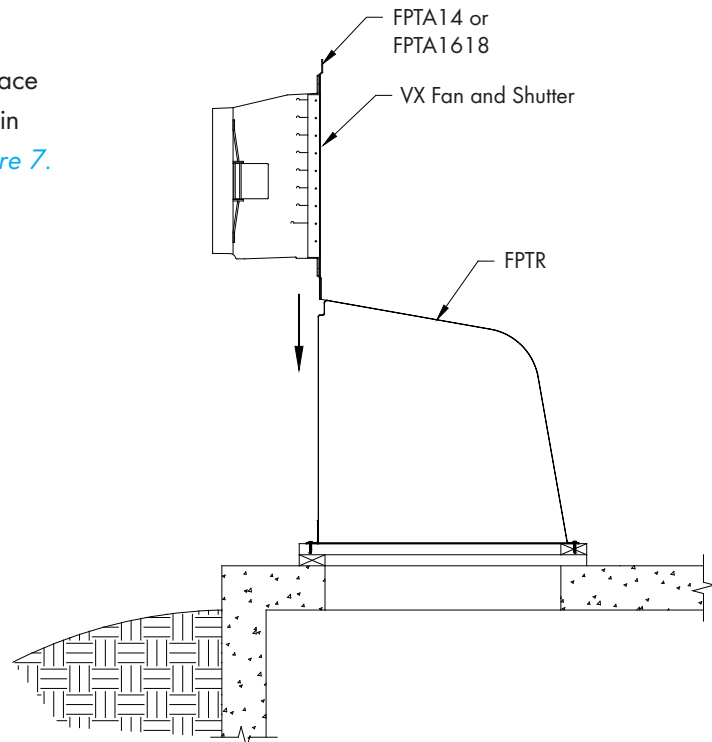FPTA14 or FPTA1618

VX Fan and Shutter

FPTR

Figure 7

2.2 Configuration 3 Installation

If your fan is smaller than 24", a FPTA14 or FPTA1618 is required.

Step 8

Construct an opening of 24" x 32" in the pump-out lid or horizontal opening. *See Figure 8A.* If pump-out lid is concrete, it is recommended to frame a double treated 2 x 4 sill around 24" x 32" opening, with an extra frame piece across the front of the opening. *See Figure 8B and 8C.*

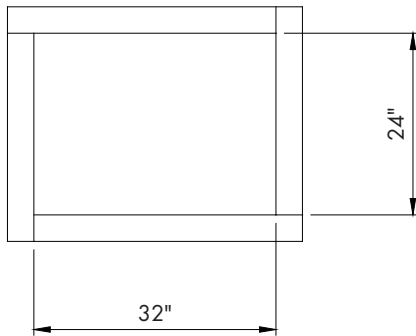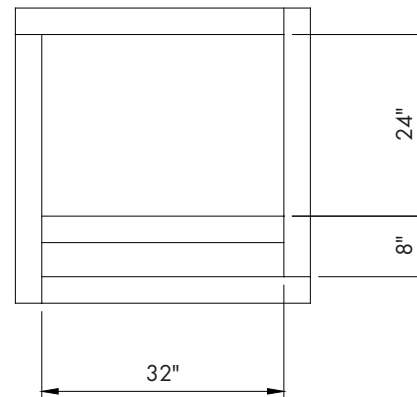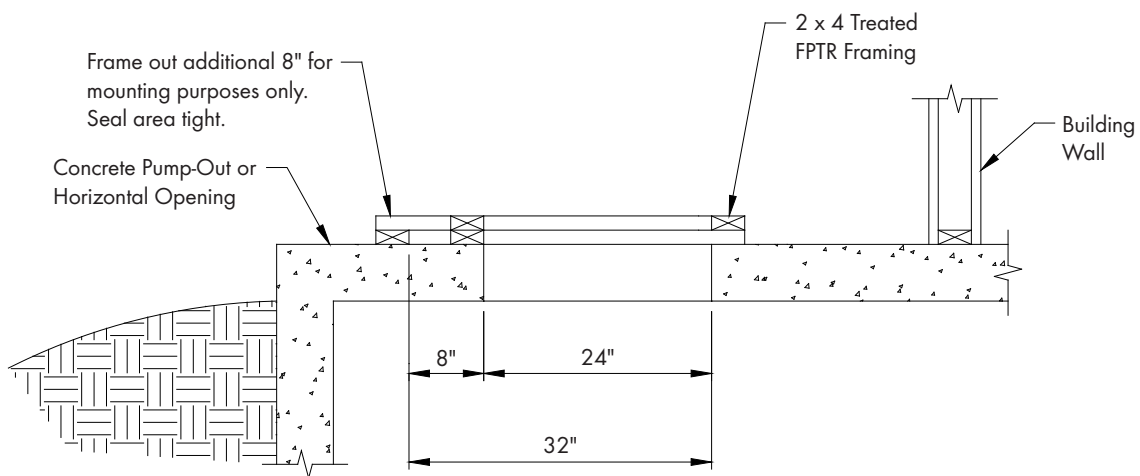
Figure 8A

Figure 8B

Figure 8C

Step 9

With FPTR opening facing you, measure 8" back from inside of FPTR. Place one angle piece against wall of FPTR, keeping 1½" side of angle against wall and the 3" side facing out. *See Figure 9.* Secure angle piece to FPTR using (3) Bolts [C] and Nylock Nuts [E]. Repeat for opposite side.

Step 10

Slide Fan or Fan with FPTA up into FPTR and place against the 3" angles and push to top of FPTR. Using the pre-drilled holes in the fan's flange, drill thru the angle pieces and attach fan using (3) Bolts [C] and Nylock Nuts [E] in each side. *See Figure 10.*
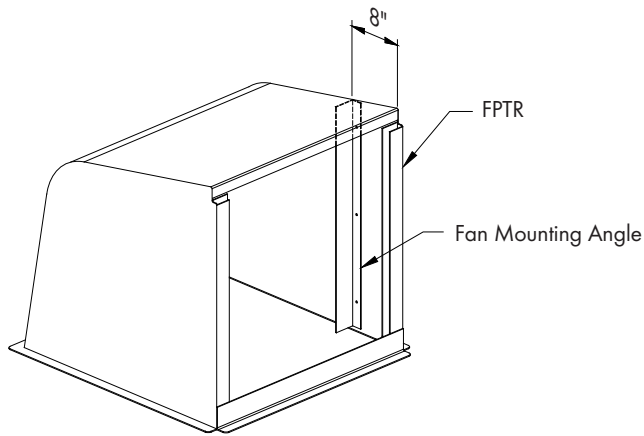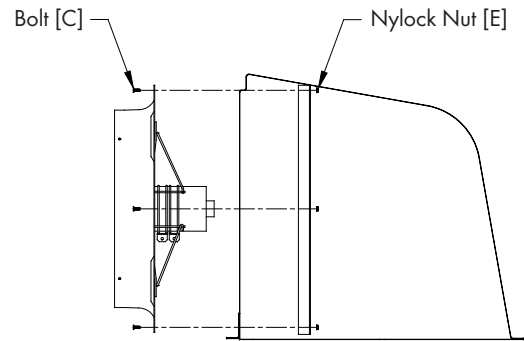
8"

FPTR

Fan Mounting Angle

Figure 9

Bolt [C]   Nylock Nut [E]

Figure 10

Step 11

Run a bead of caulk where top of fan meets FPTR. *See Figure 11.*

Step 12

Attach last angle piece to bottom of fan, making sure to keep bottom of angle flush with bottom of FPTR. *See Figure 12 and 13.*
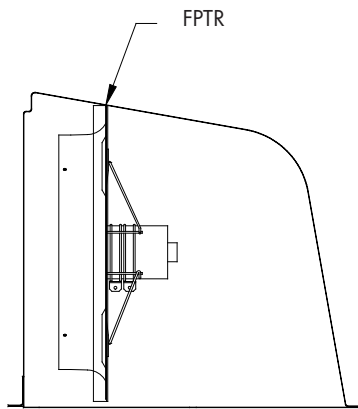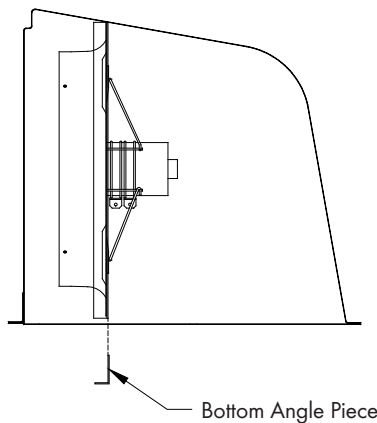
FPTR

Figure 11

Bottom Angle Piece

Figure 12

Side Angle Piece
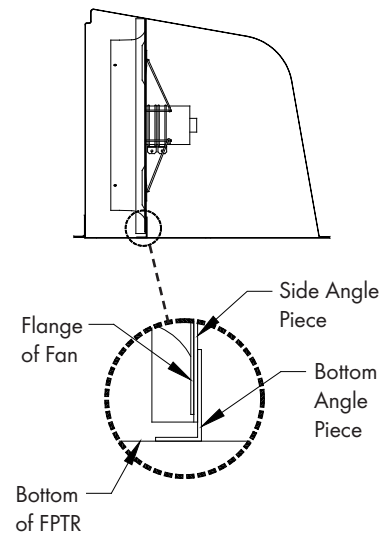
Flange of Fan

Bottom Angle Piece

Bottom of FPTR

Figure 13

Step 13

Apply caulk around FPTR flange and on Bottom Angle Piece and secure to framing using (8) Lag Screws [A] in FPTR and (3) TEK Screws [B] in Bottom Angle. *See Figure 14.*
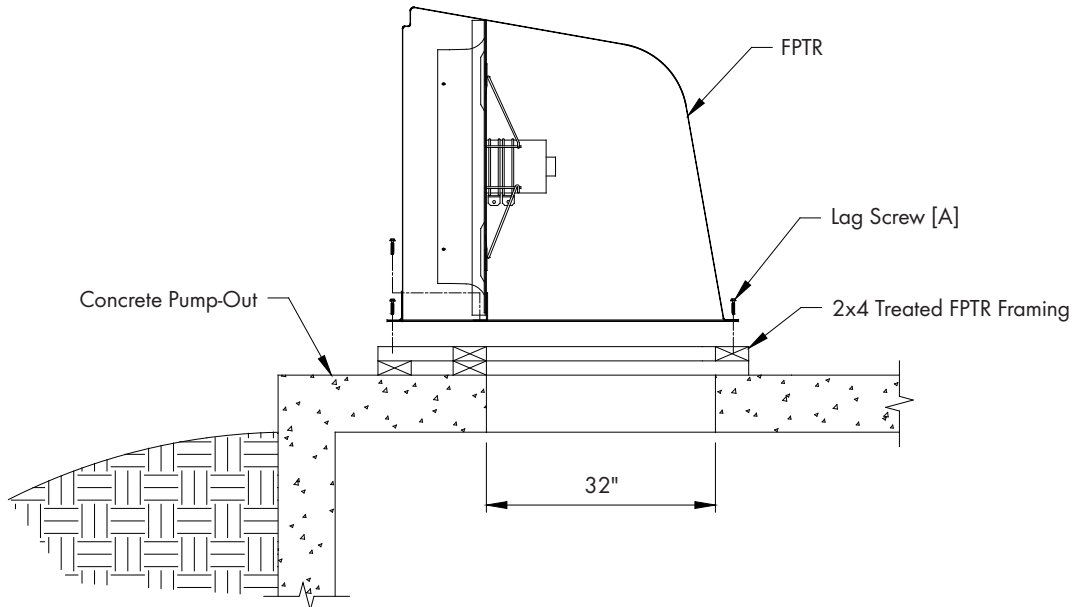

FPTR

Lag Screw [A]

Concrete Pump-Out

2x4 Treated FPTR Framing

32"

Figure 14

Step 14

If a PZ24 shutter is being used then slide it into the slots of the FPTR and secure it using (6) TEK Screws [B]. *See Figure 15.* Installation is now complete. Proceed to Step 15.
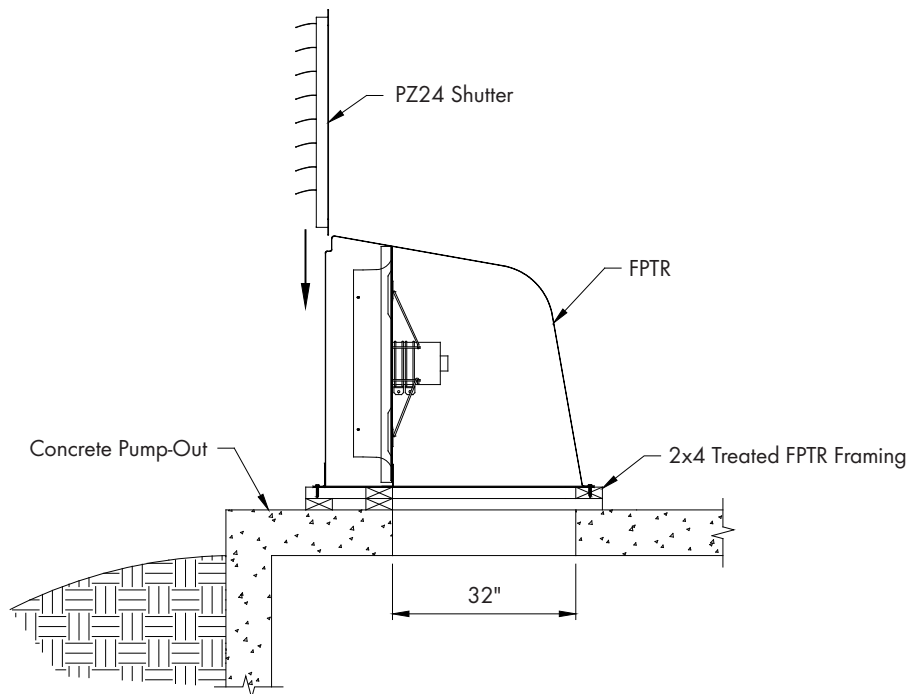

PZ24 Shutter

FPTR

Concrete Pump-Out

2x4 Treated FPTR Framing

32"

Figure 15

Step 15

Fans should be installed according to their instructions and should be wired in accordance with National, State and Local electrical codes. Disconnect electrical power at the main service panel. When wiring fan, allow extra cord for fan removal and maintenance.

Maintenance

3.

3.1 Maintenance

The following inspection and cleaning procedures should be performed monthly:

1) *INSPECT PROPELLER*: Check that propeller is secure on motor shaft and that there are no signs of damage. The blades are of a self-cleaning design and should not require maintenance.

2) *CLEAN* regularly for best results:
   • *FAN MOTOR:* Remove any dust accumulation from motor using a brush or cloth. (DO NOT use a pressure washer). A clean motor will run cooler and last longer. At the same time, verify that the motor is secure in its mount.
   • *SHUTTER:* Clean any dust accumulations from shutter blades and frame so that shutter opens and closes freely. A brush or cloth should be used.

3) *CHECK FASTENERS:* For safety, all fasteners should be inspected 1 month after initial operation and yearly thereafter. Tighten any loose connections.

4) *INSPECT FAN CONTROL:* With power disconnected, inspect all electrical connections. Wiring should be secure and in good condition. Remove any dust build-up from control case and sensor using a soft brush or cloth. *NEVER CLEAN ELECTRICAL EQUIPMENT WITH A PRESSURE WASHER!*

⚠ **WARNING**

Disconnect Power before servicing

⚠ **WARNING**

Moving parts, disconnect power before servicing.

⚠ **WARNING**

Do not power wash electrical devices.

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Fiberglass Pit Transitions are developed and produced by Munters Corporation, Lansing, Michigan U.S.A. 1-800-227-2376

Munters

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