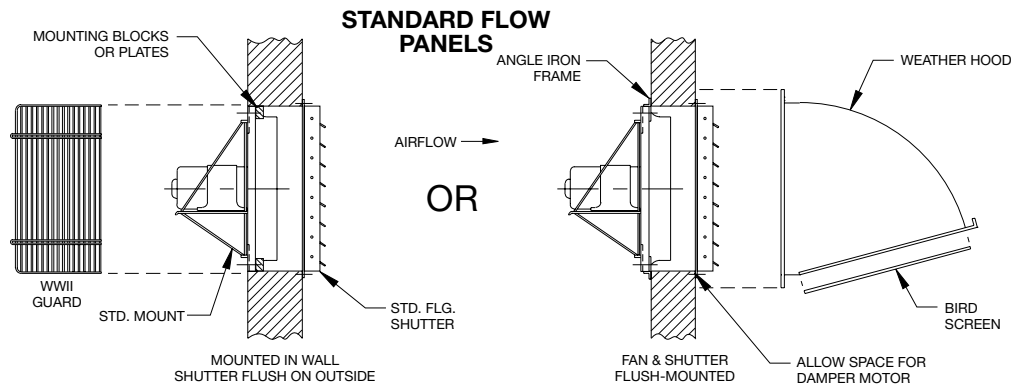


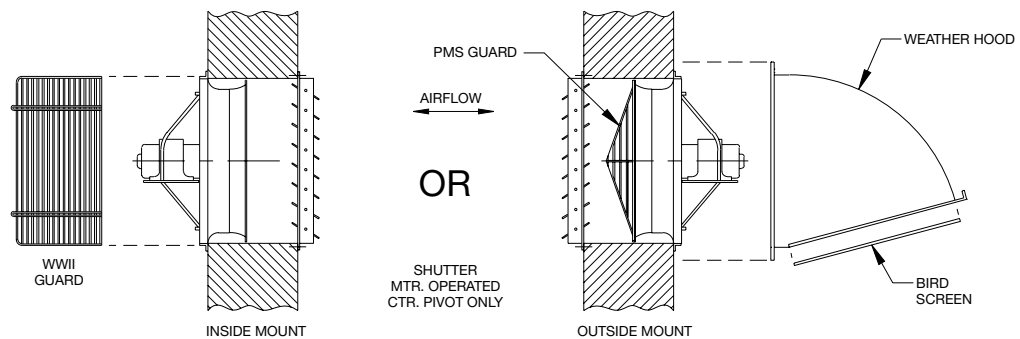
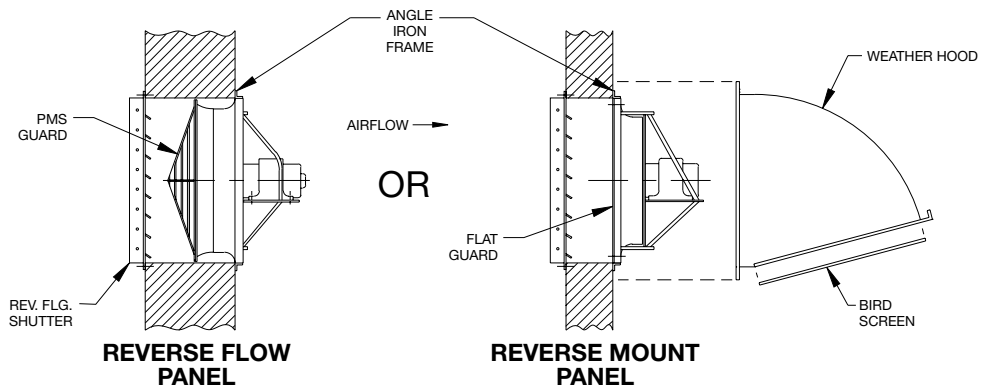
Panel and Ring Fans

Typical Panel Fan Installations

EXHAUST INSTALLATIONS

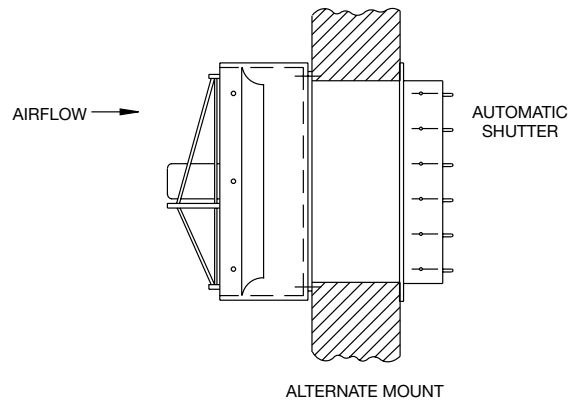
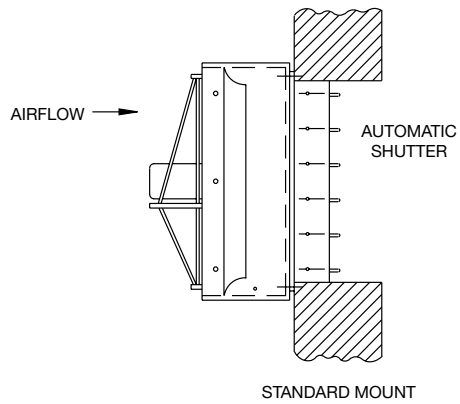


INSTALLATION REQUIRES SHUTTER SIZE TO BE SAME AS PANEL SQUARE.

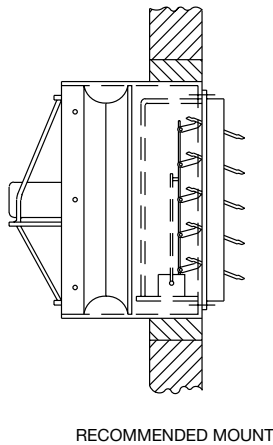


REVERSIBLE PANELS

INSTALLATIONS USING MOUNTING ADAPTORS



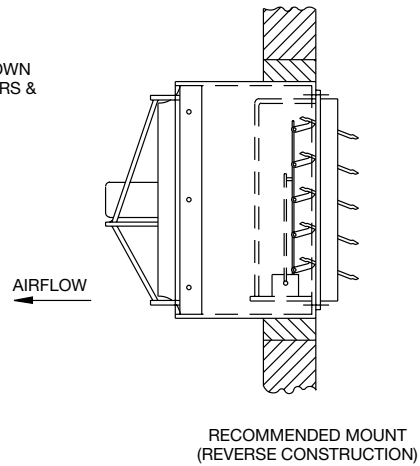
STANDARD CONSTRUCTION



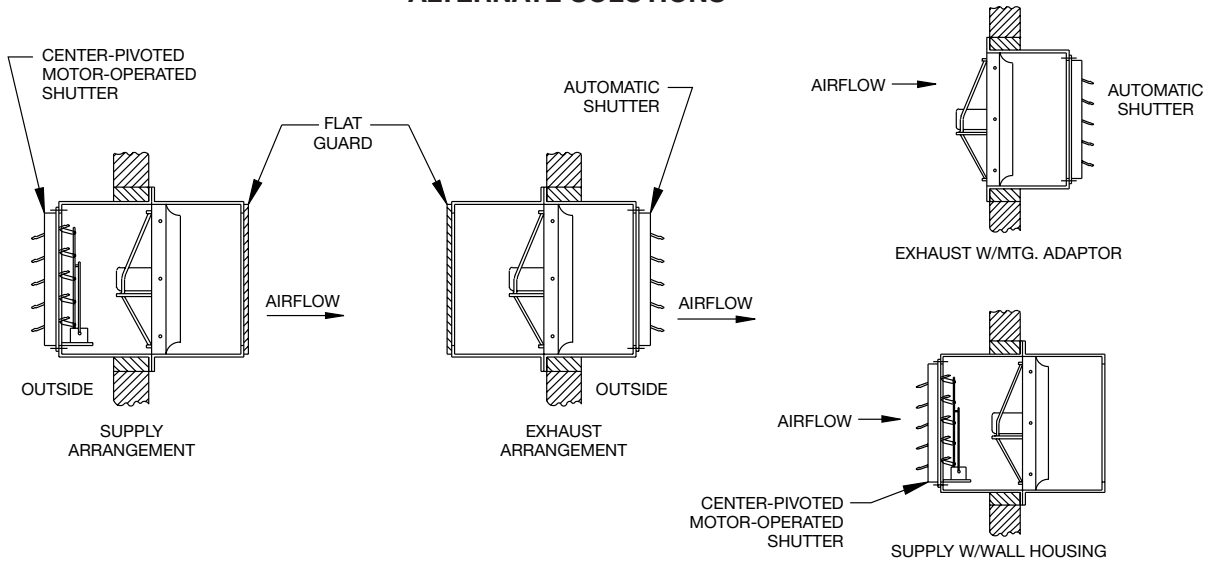
NOTE: ALL INSTALLATIONS SHOWN
USE SAME SIZE SHUTTERS &
HOODS AS FAN SIZE.

(REVERSIBLE)
AIRFLOW
↔
(REVERSE FLOW)
AIRFLOW
←

CENTER-PIVOT
MOTOR-OPERATED
SHUTTERS

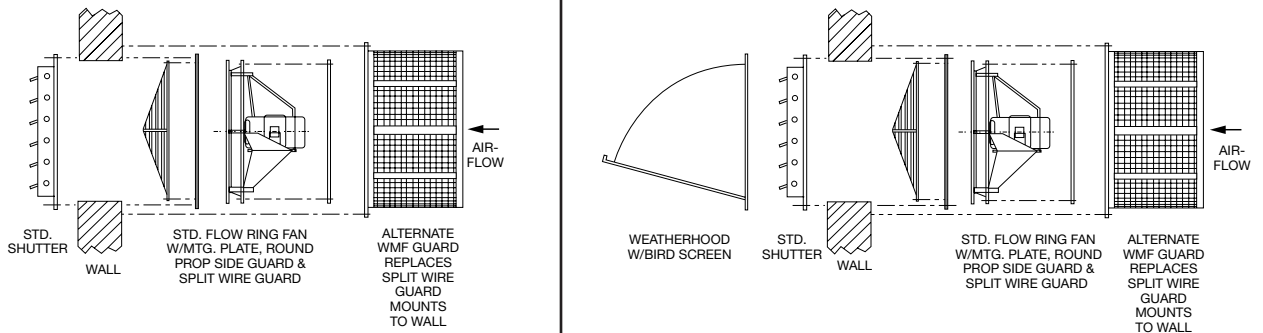
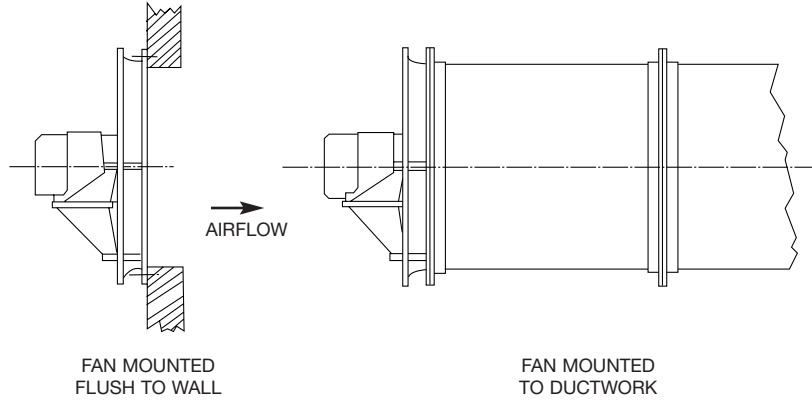


ALTERNATE SOLUTIONS

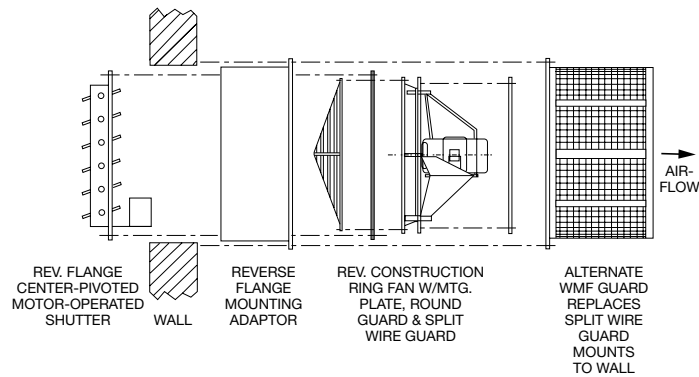


Typical Ring Fan Installations

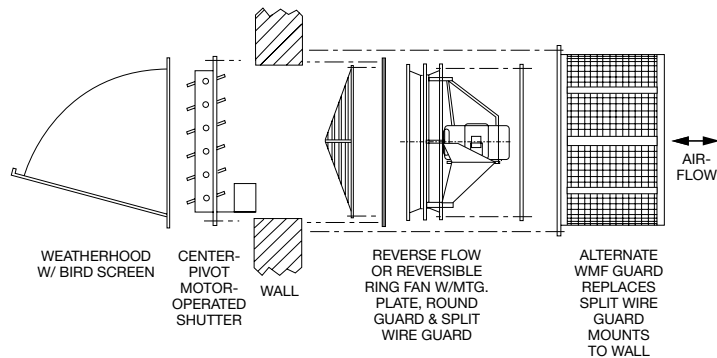
STANDARD FLOW



REVERSE CONSTRUCTION

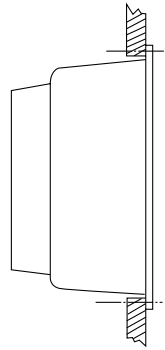


REVERSE FLOW OR REVERSIBLE



Fiberglass Panel Fan Standard Arrangement

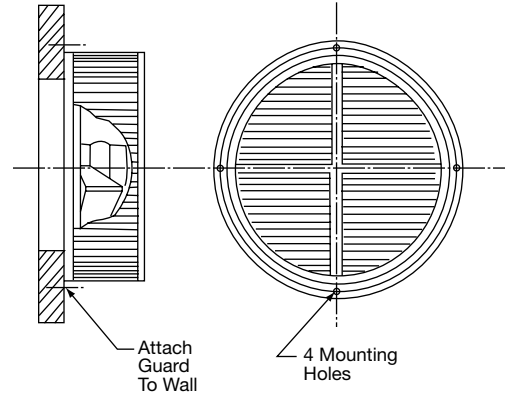
FAN SIZE	FAN OPENING SQ.
18	22 $\frac{3}{4}$
24	28 $\frac{3}{4}$
30	36 $\frac{3}{4}$
36	42 $\frac{3}{4}$
42	48 $\frac{3}{4}$
48	54 $\frac{3}{4}$



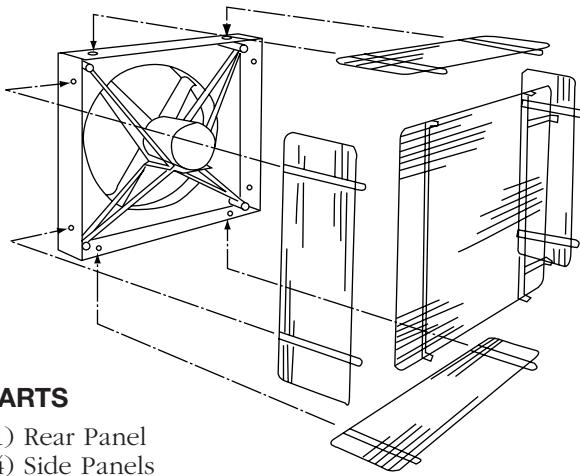
– OR –

- b. Bend or cut side panel wire guard and route wire or conduit through opening.
4. Assemble fourth side to guard and panel, sliding along conduit or wiring if routing through guard.
5. Securely tighten all locknuts.

Mounting Type WMF Rear Guard For Steel Ring Assembly



Rear Wire Guard (WWII) For Panel Fans



PARTS

- (1) Rear Panel
- (4) Side Panels
- (16) or (24) Hex Head Locknuts
- (16) or (24) $\frac{5}{16}$ " x 1" Hex Head Capscrews
- (32) or (48) $\frac{3}{8}$ " I.D. Flat Washers

ASSEMBLY

1. Bolt three sides of guard to rear panel using $\frac{5}{16}$ " capscrews, nuts and flat washers.
2. Bolt partially assembled guard to panel fan using capscrews, nuts and flat washers.
3. Arrange for electrical hook-up to fan motor. Two methods may be used:
 - a. Drill out hole in fan panel and route wire or conduit through opening.

Cleaning Propellers

The propeller in an axial flow fan must be kept reasonably clean if it is to perform properly. Fans handling fresh air for ventilating purposes will seldom need cleaning. Fans exhausting process air should be cleaned as required. Dirt or chemical deposits will usually build up on a propeller evenly and they present no problem to performance or operation until they become thick enough to break away in crust-like pieces. When this happens, the propeller may be thrown out of balance and the resulting vibration could be serious. Accumulations of deposits should be removed by solvent cleaning or scraping. If the propeller has been coated, be careful not to cut through the protective covering.

Care and Maintenance

Regular and systematic inspection of all fan parts is a necessity for good fan maintenance. A general installation and maintenance brochure (IM 100) has been supplied with this shipment. It includes fan and motor bearing lubrication, care and replacement of V-belt drives and taperlock bushing instructions.

CAUTION: Recommended distance between fan blade and shutter is approximately equal to $\frac{1}{3}$ of the fan's diameter.



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