



Installation Instructions

Remote Fans

CFMR1000 & CFMR1400

Inline Blowers

INLB300, INLB600 & INLB1200

PLEASE READ COMPLETE INSTRUCTIONS BEFORE PROCEEDING. INSTALLATION MUST COMPLY WITH ALL LOCAL CODES.

IMPORTANT:	Save these instructions for the local electrical inspector's use.
INSTALLER:	Please leave these instructions with this unit for the owner.
OWNER:	Please retain the instructions for future reference.
SAFETY WARNING:	Turn power circuit OFF at the service panel and lock panel door before wiring this unit.

IMPORTANT SAFETY INSTRUCTIONS

CAUTION – To reduce the risk of fire, electric shock, or injury to people, observe the following:

1. Use this rangehood only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer – Prizer Hoods.
2. Before servicing or cleaning the unit, switch power off at service panel and lock the panel to prevent the power from being switched on accidentally. When switched off for service, attach a tag to the service panel to indicate power has been switched off for maintenance.
3. Install this rangehood only with remote fan models rated maximum 12.8A or in-hood fans manufactured by Prizer Hoods, CFM300, CFM600, CFM1200.

CAUTION – To reduce the risk of a rangetop grease fire.

1. Never leave cooktop surface unattended while on high setting
2. Boil overs cause smoke and greasy spillovers may ignite. Heat oils slowly on low or medium settings.
3. Hood fan should always be ON when cooking on high heat or when flambeing foods (i.e. Crepes Suzette, Cherries Jubilee, Peppercorn Beef Flambe.)
4. Clean in-hood fans frequently. Do not allow grease to accumulate on fan or baffle filters.
5. Always use cookware appropriate for the size of the surface element.

CAUTION – To reduce the risk of injury to people, in the event of a rangetop grease fire, observe the following:

1. **SMOTHER FLAMES** with a tight fitting lid, cookie sheet or other metal tray. Immediately turn the gas burner OFF. NEVER USE WATER, wet dish-cloths or towels as a violent steam explosion will occur.
2. **PREVENT BURNS.** If gas flames do not extinguish immediately: **EVACUATE AND CALL THE FIRE DEPARTMENT.**
3. **NEVER PICK UP A FLAMING PAN** as you may sustain burns.
4. Use fire extinguisher only if:
 - You know you have a class ABC extinguisher, and you know how to operate it.
 - Fire is small & contained in the area where it started.
 - Fire department is being called.
 - You can fight the fire with your back to an exit.

CAUTION: FOR GENERAL VENTILATION USE ONLY. DO NOT USE TO EXHAUST HAZARDOUS OR EXPLOSIVE MATERIALS OR VAPOR.

SAFETY PROCEDURES FOR INSTALLING YOUR NEW PRIZER HOOD (continued)

CAUTION – To reduce the risk of fire, electric shock, or injury to people, observe the following:

CAUTION – For general ventilation use only. Do not use to exhaust hazardous or explosive materials or vapors.

1. Installation work and electrical wiring must be done by a qualified installer in accordance with all applicable codes and standards, including re-rated construction.
2. Sufficient air is needed for proper combustion and gas exhaustion through the flue to prevent backdrafting. Follow the manufacturer's guidelines and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local building code authorities.
3. When cutting/drilling into a wall or ceiling, avoid damage to electrical wiring and other hidden utilities.
4. In-hood or in-line fans must be vented to the outdoors.
5. If a ventilation unit is to be installed over a tub or shower, it must be marked as appropriate for the application and be connected to a GFCI (Ground Fault Circuit Interrupter) – protected branch circuit.
6. NEVER place a control switch where it can be reached from a tub or shower.
7. **CAUTION – To reduce the risk of fire within walls or roofs, use only metal ductwork.**
8. Install this hood in accordance with all requirements specified by the manufacturer of your cooktop/range.
9. Install this hood using required clearance from cooking surface to combustible material specified in cooktop installation instructions.

READ & SAVE: UPON RECEIVING YOUR HOOD

- The high degree of craftsmanship in the construction and finish of your hood requires careful handling to ensure proper installation.
- Do not remove your hood from its carton until you are ready to hang it.
- Do not store your hood anywhere other than within the carton. If it is necessary to remove your hood from the carton, place it on a blanket or padded area that will protect your hood from scratches or indentations.
- Do not lift the hood by its utensil rail. Place your fingers under the lower reveal of the hood. Grasp firmly and lift.
- Wearing cotton gloves are preferred. They will protect the surface from fine scratches and eliminate fingerprints.
- Remove all rings, watches, belt buckles and jackets (snaps/zippers) to prevent scratches on the hood.
- If applicable, do not remove the protective covering from your hood until the installation process is complete. It will be necessary to remove only a small portion on the back side for a wall mounted hood in order to position in place.
- Located within the hood cavity (behind the baffles) are component parts and halogen bulbs.

MOUNTING OPTIONS FOR REMOTE FANS

CURB FOR FLAT ROOF

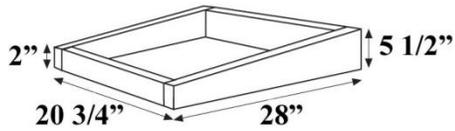


Figure 1.

CURB FOR FLAT ROOF

WALL INSTALLATION

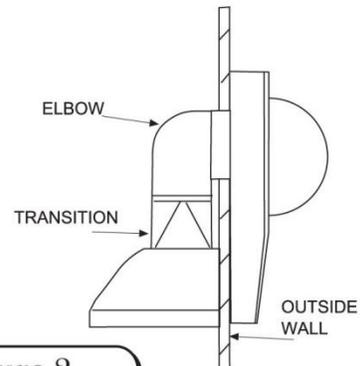


Figure 2.

WALL INSTALLATION

TYPICAL INSTALLATION

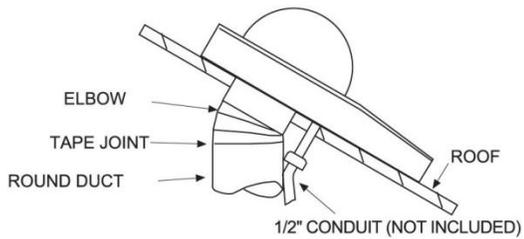


Figure 3.

TYPICAL INSTALLATION

DIRECT DUCT INSTALLATION

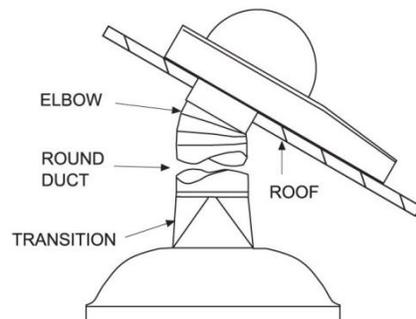


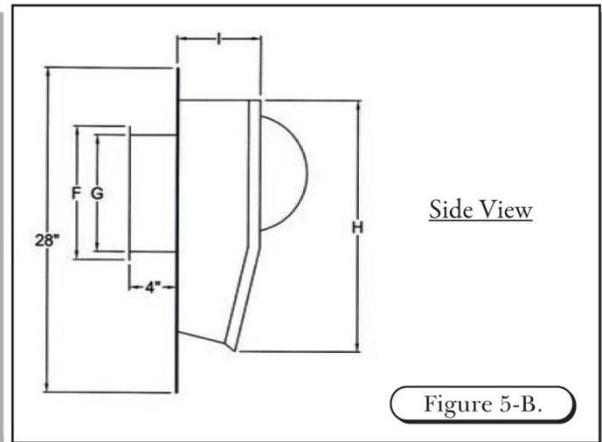
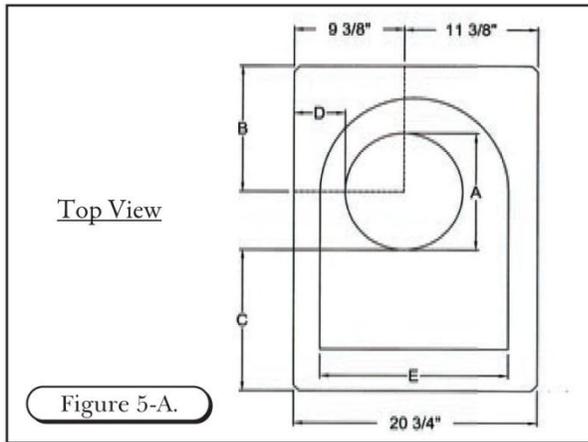
Figure 4.

DIRECT DUCT INSTALLATION

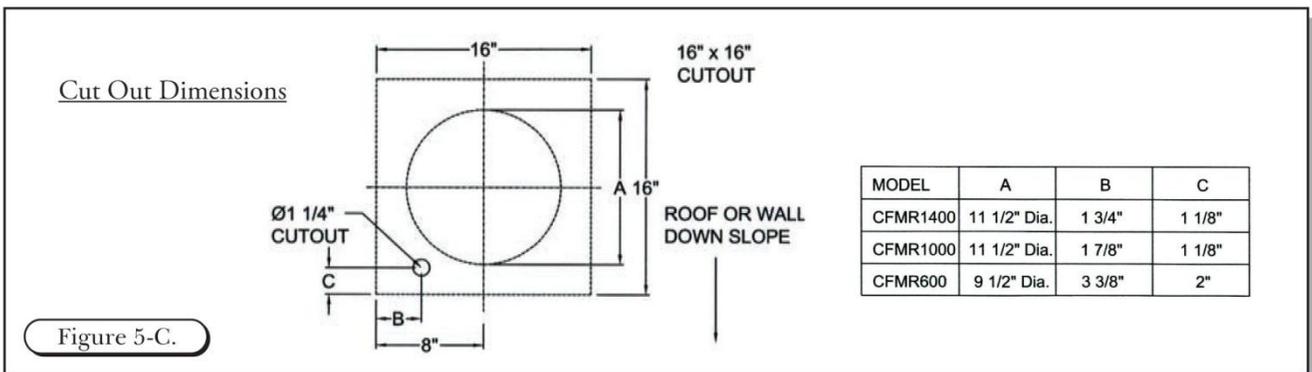
MOUNTING REMOTE FANS ON ROOF OR OUTSIDE WALL

To prepare for mounting a remote fan, inspect the blower wheel to ensure it turns freely. Do not replace the top unit to the remote fan until the installation has been completed. A remote fan cannot be installed in a condition where the exhaust/discharge opening is less than 15" from the ground level. **NOTE:** There may be some local codes that will not permit this kind of installation. Heavy snow will prevent the damper from opening due to snow blockage. The installer must check all local codes for outdoor wall installation of the remote fan.

1. Cut out a round hole to accommodate the size ducting you will be using. Cut a second hole for the electrical conduit. (see Figure 5-C)
2. When installing a remote fan on a flat roof or a roof with a pitch less than 1 1/2" in 12 inches, install the remote fan in such a way that the discharge (the lowest portion of the curb) is directed away from any prevailing winds.
3. When installing a remote fan on a roof or outside wall, direct the discharge (the lowest portion of the curb) pointing down the slope as this is in accordance with the Standard Roofing Procedures: front discharge edge should be on the top of the shingles and the rear edge underneath the shingles.
 - **NOTE:** The remote fan unit must be sealed between the roof (or outside wall) and the underside of the flange with roofing mastic to prevent leaks.
4. Connect the remote fan (CFMR1000 & CFMR1400) to the exhaust system's round duct. Use an adjustable elbow to attach to the roof angle.



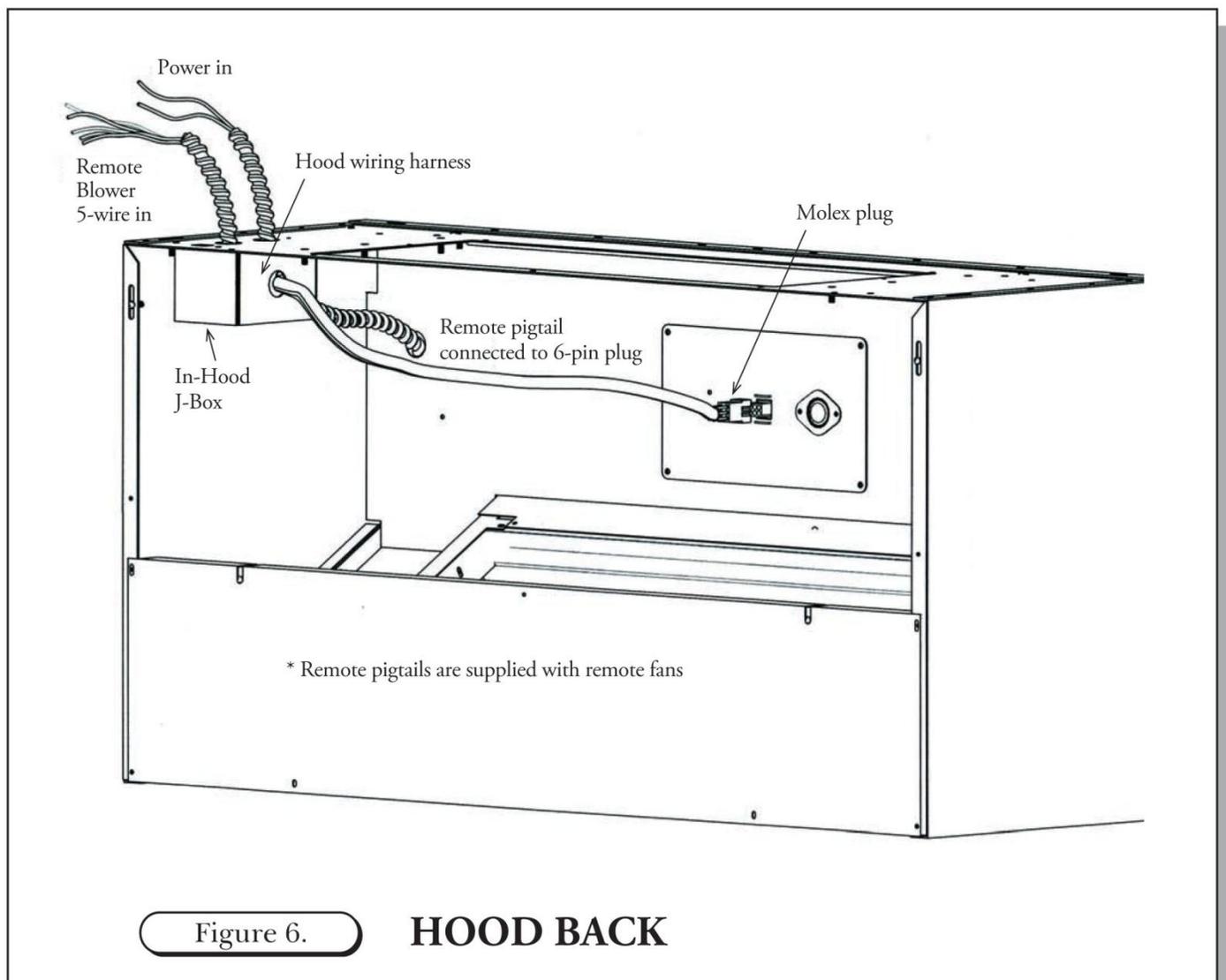
MODEL	A	B	C	D	E	F	G	H	I
CFMR1400	10" Dia.	10 3/4"	12 1/4"	4 3/8"	17 5/8"	10 1/2"	10"	26"	7 1/8"
CFMR1000	10" Dia.	10 3/4"	12 1/4"	4 1/4"	18"	10 1/2"	10"	25"	5 7/8"
CFMR600	8" Dia.	10 1/2"	13 1/2"	5 1/4"	15"	8 1/2"	8"	23 3/4"	5 7/8"



MODEL	A	B	C
CFMR1400	11 1/2" Dia.	1 3/4"	1 1/8"
CFMR1000	11 1/2" Dia.	1 7/8"	1 1/8"
CFMR600	9 1/2" Dia.	3 3/8"	2"

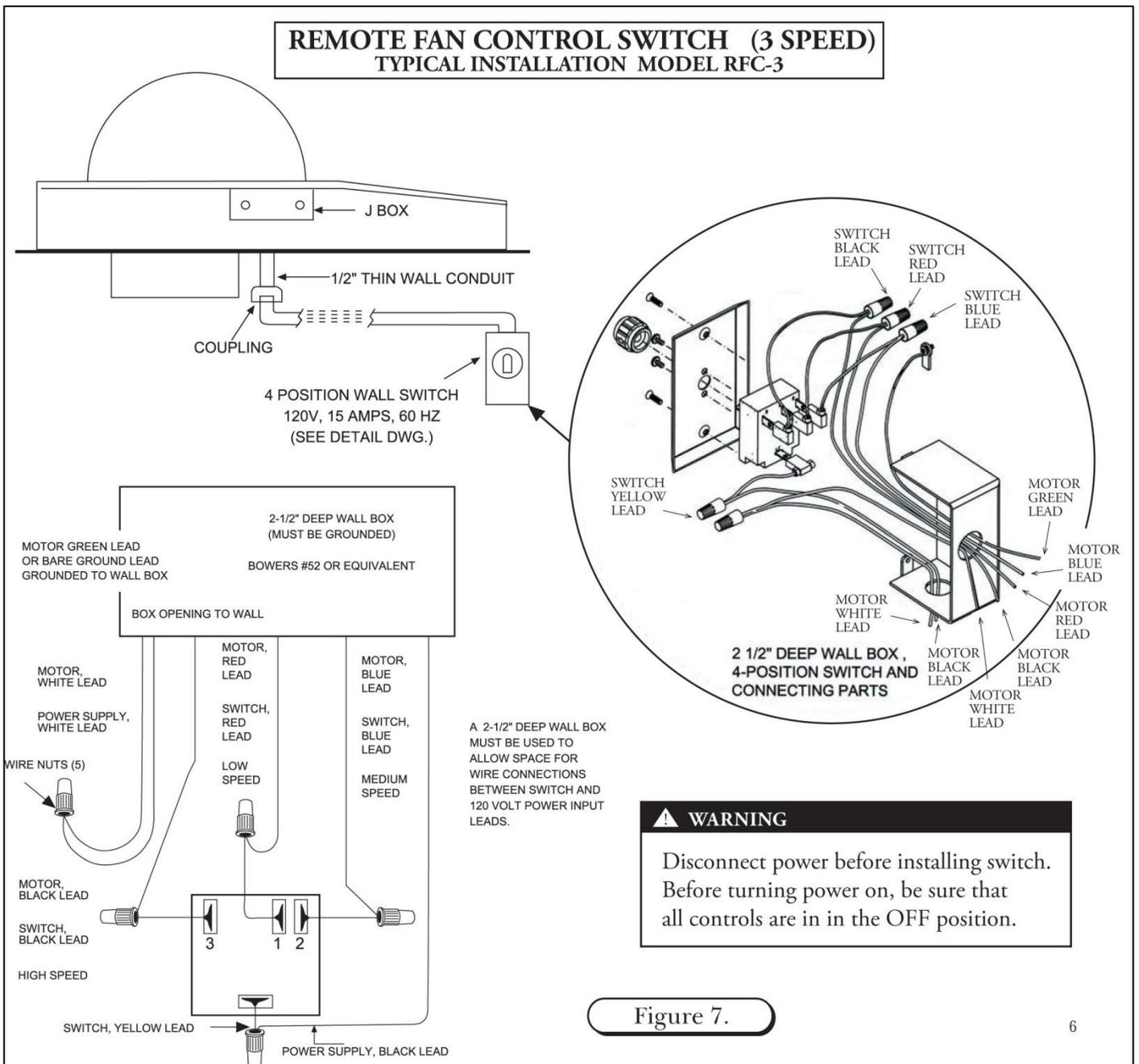
CONNECTING THE 3-SPEED FAN CONTROL TO THE REMOTE FAN

1. Power supply required for remote fans are 15 amps. @ 120V. AC, 60Hz. connected per local codes.
2. Run three #14 AWG wires (black, white and green) from the power supply at the electrical circuit panel in the hood J-box (see Figure 6).
3. Run five wires from hood J-box through the walls to the remote fan, using color coded wires corresponding to color codes in diagram (see Figure 7. Page 6)
4. Locate the white plastic Moldex electrical connector in the hood. This connector feeds the power to the remote fan. Use the receptacle connector provided with the fan and plug to the connector in the hood. Within the J-box, connect the black, white, red and blue wires from the remote fan to the black, white, red and blue wires of the "pigtail". Connect the green (ground) wire to the ground wire from the service panel (see Figure 6.)

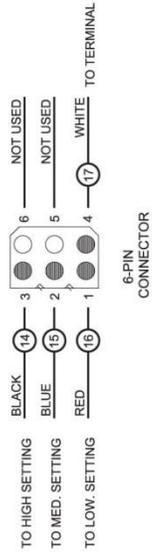
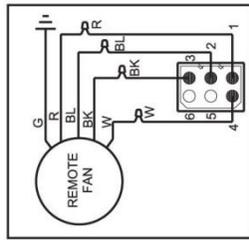
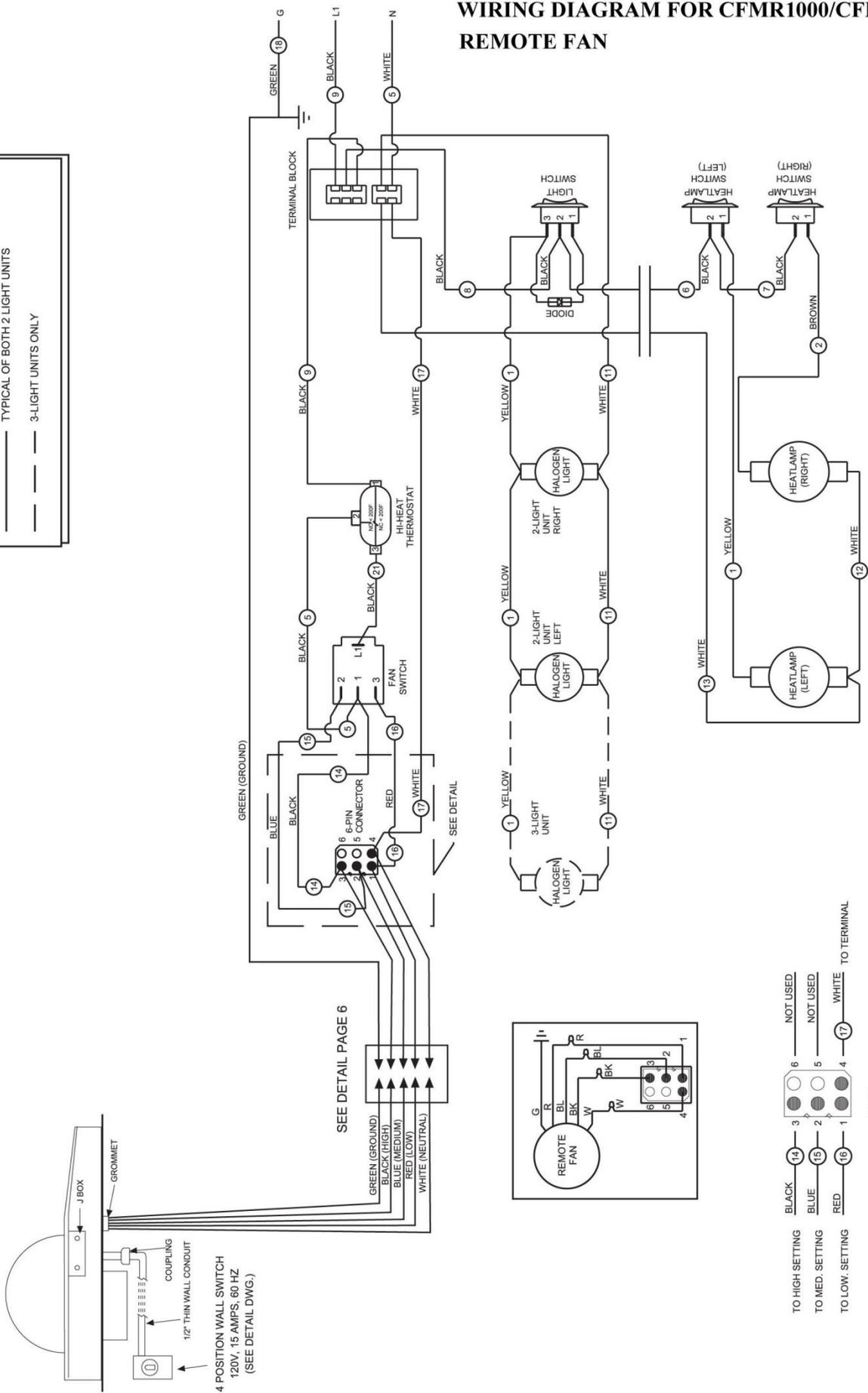
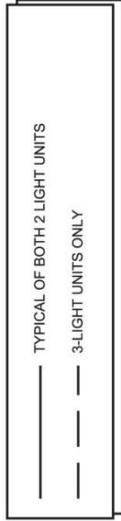


WIRING A WALL-MOUNTED 3-SPEED FAN CONTROL

1. Use 4 Position switch (OFF – LOW – MED – HIGH).
2. Power supply required for these ventilators is 15 amps. @120V. AC, 60Hz. connected per local codes.
3. Run three #14 AWG wires (black, white and green) from the power supply at the electrical circuit panel to the wall box (see Figure 7).
4. Run electrical conduit per local code from wall box to bottom of remote fan as shown (see Figure 7).
5. Run five #14 AWG wires in conduit between ventilator J-box and 4 position switch. Use color coded wires corresponding to colors shown (see Figure 7).



WIRING DIAGRAM FOR CFMR1000/CFMR1400 REMOTE FAN



INLINE BLOWER INSTALLATION FOR INLB300, INLB600 & INLB1200

WARNING: ELECTRICAL CONNECTIONS SHOULD ONLY BE MADE BY A LICENSED ELECTRICIAN

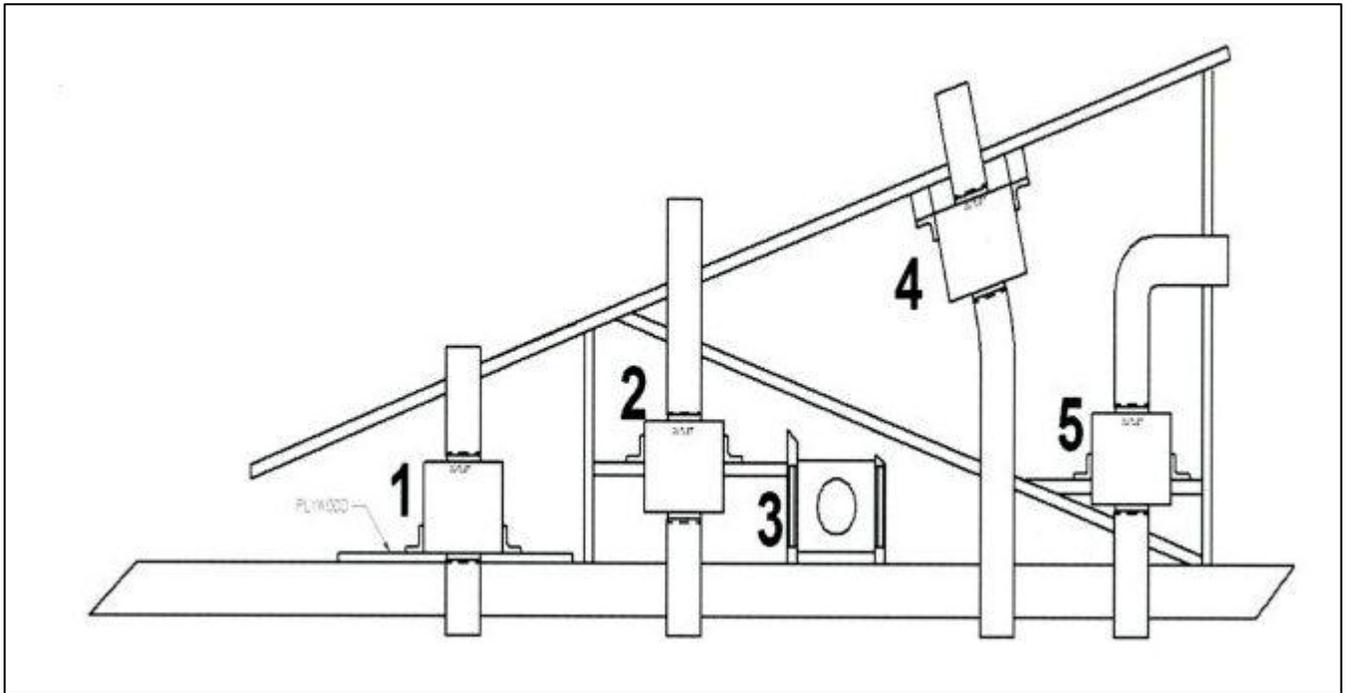
NOTE: All models use the same housing/enclose

- 1. Before making any electrical connection make sure your electric is turned off**
2. Check that the fan's impeller is moving freely
3. Unit is designed to be mounted in any position
4. For ideal implementation, close proximity of the blower to its discharge point will improve the unit's performance
5. Accessibility to the unit location is important in the planned duct run.
6. When unit is not in its ideal location use larger duct work for longer runs.
7. Sheet metal screws are provided for "L" bracket attachment to the housing. Screws must be positioned within 1" of the edge of the housing.
8. Seal all ducting connections with cold weather metal tape.
9. The unit should be hung on the "L" brackets using wood screws (not provided).
10. Rubber padding may be added to the insulation of the unit to reduce/eliminate potential vibrations (not provided).

CLEANING

1. Periodically check exhaust exit for blockage, i.e., bird nests, leaves, etc
2. Periodically inspect the unit ducting and the ventilation exit point for grease build-up
3. If present in the installation, periodically check the dapper for any obstructions.

INSTALLATION - POSITIONS



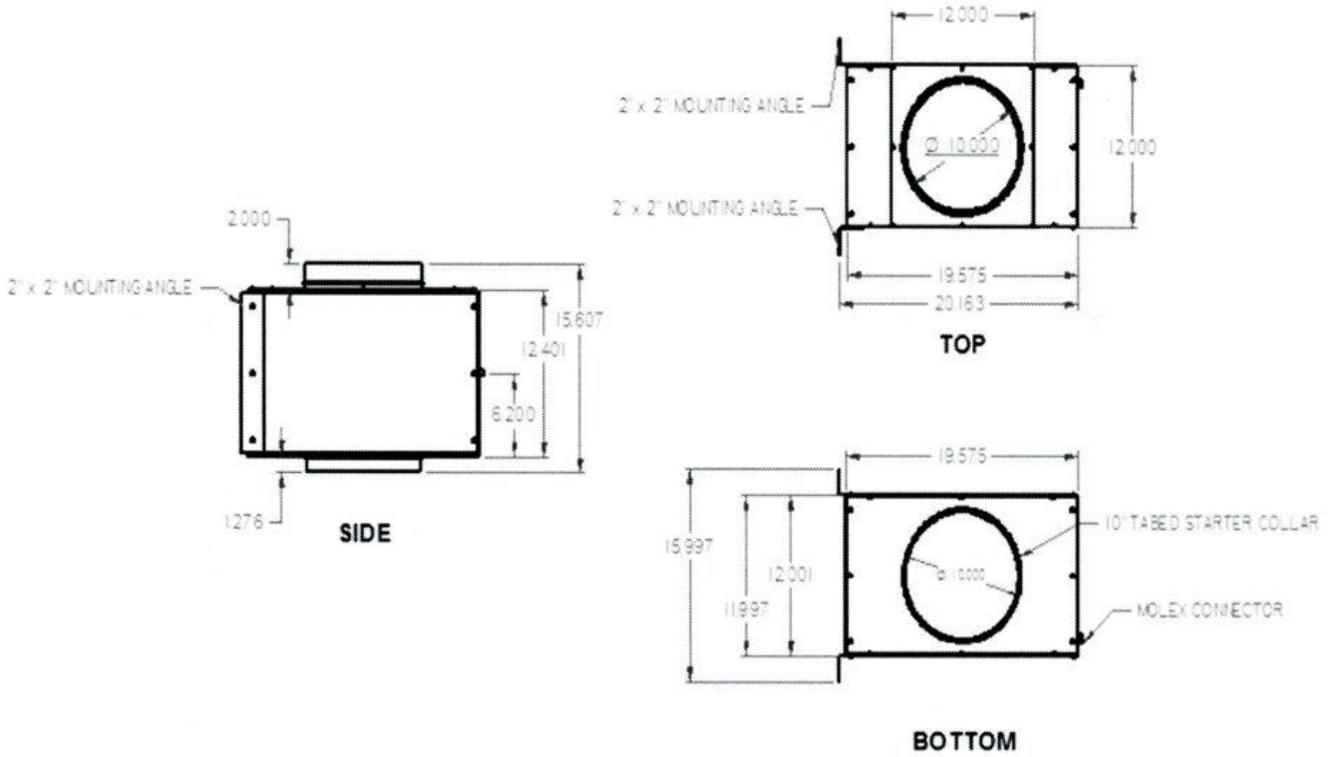
WARNING

1. Use $\frac{3}{4}$ " plywood to mount and separate from ceiling joists bed.
2. Install additional support cross members to truss for a suspended mount.
3. Install additional support cross members to truss for horizontal mounting.
4. Install additional blocking to mount under the roof rafter.
5. Install additional cross members to ceiling joists with a 90 degree elbow to exit side.

Important Notes:

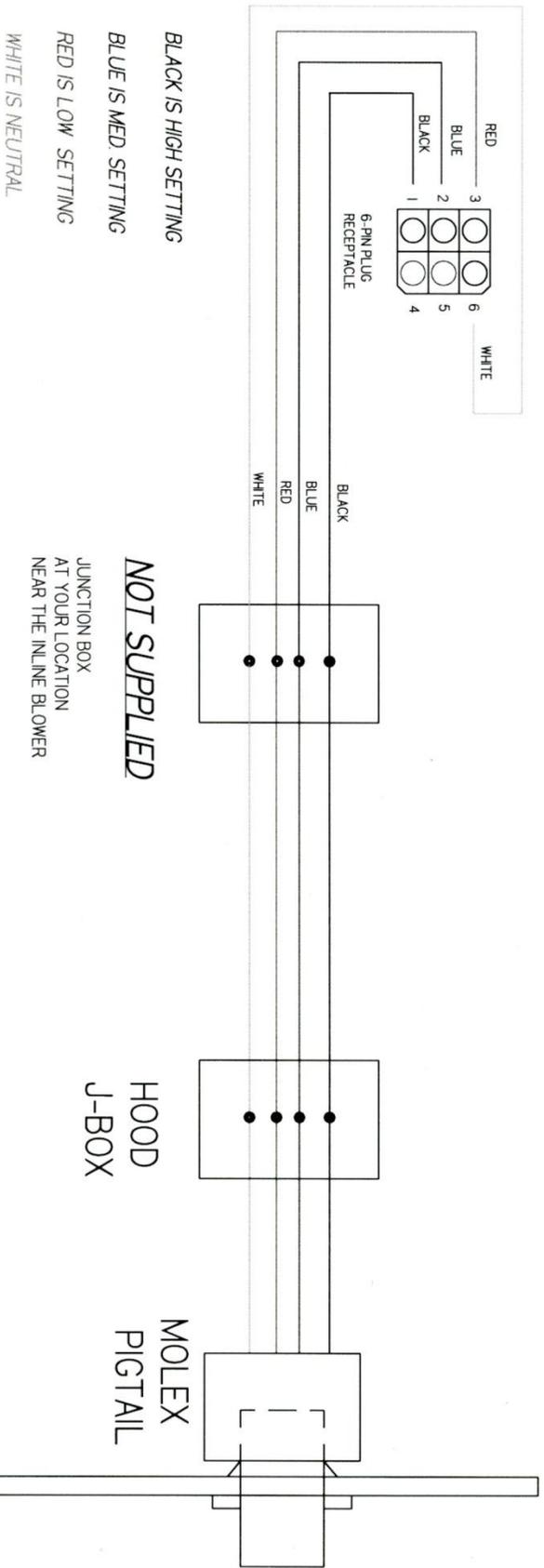
- Adding plywood to each installation may simplify install.
- 10" diameter ducting is recommended for optimal performance of this product. 8" diameter may be used if ducting space is limited but this may reduce the unit's performance.

INSTALLATION - SPECIFICATIONS



PRIZER HOODS

WIRING DIAGRAM FOR CONNECTING INLINE BLOWER TO HOOD



REV	0	ECO #		RELEASED/PART		BY	DATE
DESIGN		NAME		REVISION HISTORY			
CHECKED		DATE					
MODEL							
UNTYPED							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE AS SHOWN				PART NO.			
DECIMAL - 0.0150 INCHES				WIRING			
				PAGE 1 OF 1			

INSTALLATION MUST COMPLY WITH ALL LOCAL CODES

KITCHEN VENTILATION TIPS

1. Cooking appliances such as ranges, cooktops, barbecue units, grill, etc, require adequate ventilation. Hood should be large enough and cooking appliances located so that the hood overhangs the cooking surface as much as possible.
2. Consult a competent kitchen designer or ventilation engineer for proper hood size and CFM requirements.
3. Provide make-up air input to the kitchen so exhausted air is not drawn through the furnace unit or down through the chimney.
4. Locate the cooking area away from doors and windows for minimum cross drafts when possible.
5. For best performance, duct runs should be as short and as straight as possible. When turns are necessary keep turning radius as large and as smooth as possible.

WARNING – TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE:

- a) Never leave surface units unattended at high settings. Boil overs cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.
- b) Always turn hood ON when cooking at high heat or when flaming foods.
- c) Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.
- d) Always use cookware appropriate for the size of the surface element.

Prizer Hoods reserves the right to change specifications or design without notice. Some models are certified for use in Canada. Prizer Hoods is not responsible for products which are transported from the United States for use in Canada. Check with your local Canadian distributor or dealer.

