

Installation, Start-Up Procedures, and Maintenance Instructions



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Installation, Start-up Procedure and Maintenance Instructions

The hood shall be installed in accordance with it's UL Listings, NFPA 96 and Removal of Smoke and Grease-Laden Vapors from Commercial Cooking equipment, and local and state codes.

The minimum and maximum hood clearance to the cooking surface to the front lower edge of the hood is listed on the UL label of your hood. Refer to label for your specific clearances.

The exhaust and supply (if provided) air flow rates listed below were established under controlled laboratory conditions and greater exhaust and/or lesser supply air may be required for complete vapor and smoke removal in specific installations. Below is a chart of models minimum exhaust and maximum supply rates. See your drawings for your specific designed parameters.

MODEL		MINIMUM FXH CFM/LIN FT	MAXIMUM SUPPLY PER/LIN FT	NOTES
SW	400°	250	205	Applies to perforated face, front registers, bottom registers, front and bottom registers.
	850°	280	225	
SWLV	400°	100	N/A	If supply air is required a remote or front plenum can supply 90% supply air.
SWB	400°	250	225	
	850°	280	252	
SIMA	400°	380	228	Additional mua can be supplied with external plenums if required.
	850°	225	186	
SW- Front Plenum	400°	250	225	Front plenum external to hood and can supply 90% supply air.
	850°	280	252	
AM	400°	300	210	
	600°	360	200	
LW	400°	250	N/A	Hood can underhang 5" from appliance 400° only.
LWB	400°	250	225	Hood can underhang 5" from appliance 400° only.
LWZ	400°	170	153	Supply air through rear plenum, or hood can be exhaust only and have remote supply air.
	600°	309	278	
VHH	Non Grease Appliances	200	180	Can be supplied with Front plenum or if designed as an island hood can have front and rear plenums.
VHC	Non Grease Appliances	200	180	Can be supplied with Front plenum or if designed as an island hood can have front and rear plenums. Code allows this hood to be designed as low as 100 cfm/linear foot if required



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I. Hood

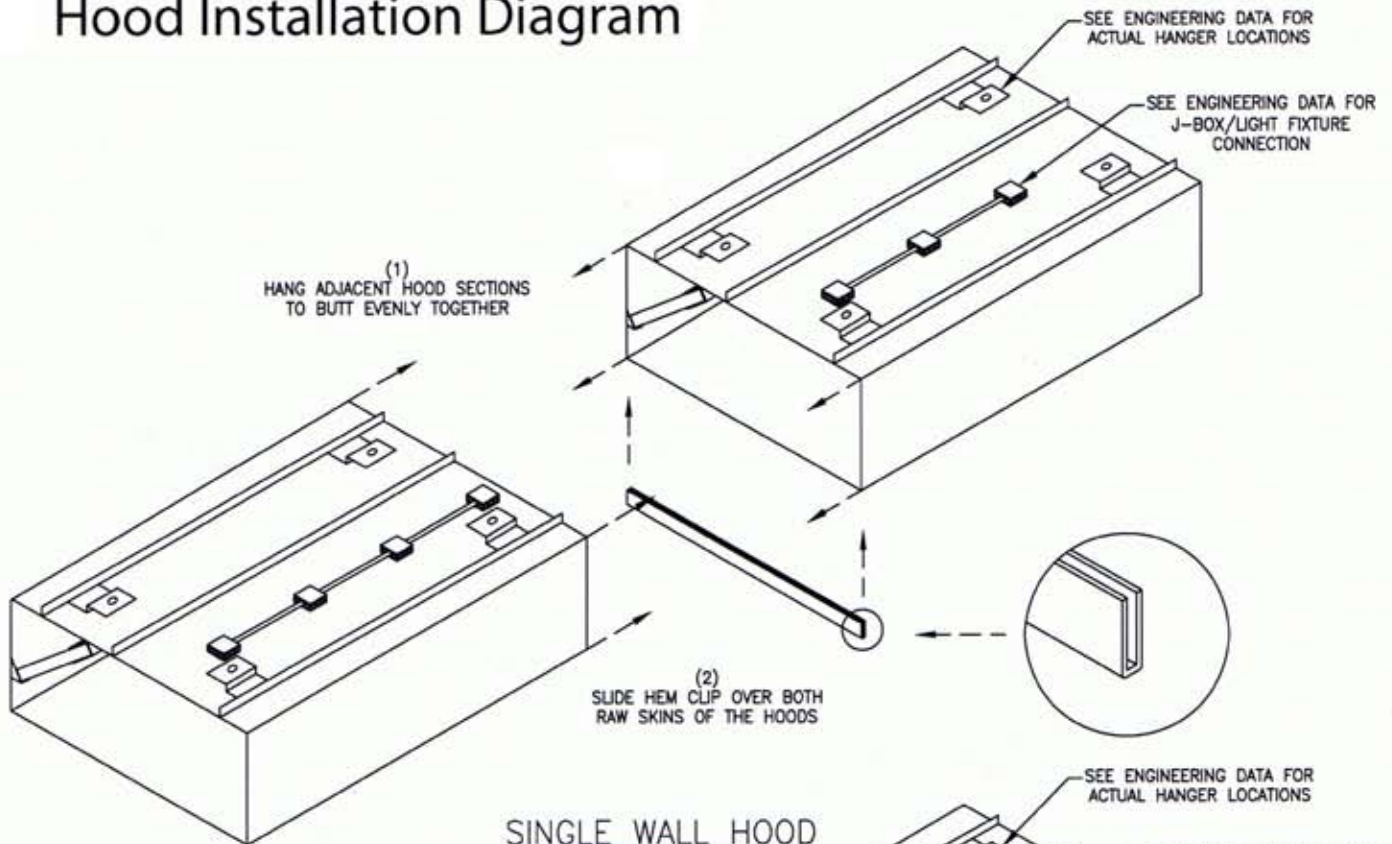
HOOD DEPOT hoods are mounted with hanging brackets. Rods are not supplied. Hanger brackets have 1/2" holes and are located on top of hood in four places. Recommended hanging height is 6'-6" from bottom edge of hood to finished floor. It is extremely important that the hood be hung level and that the supply and exhaust openings are located directly beneath the openings in the roof. It is located directly beneath the openings in the roof. It is advisable to finalize the location using a plumb bob or equivalent. (All fasteners and installation hardware by others.)

Following is a step by step procedure for installation of a HOOD DEPOT hood:

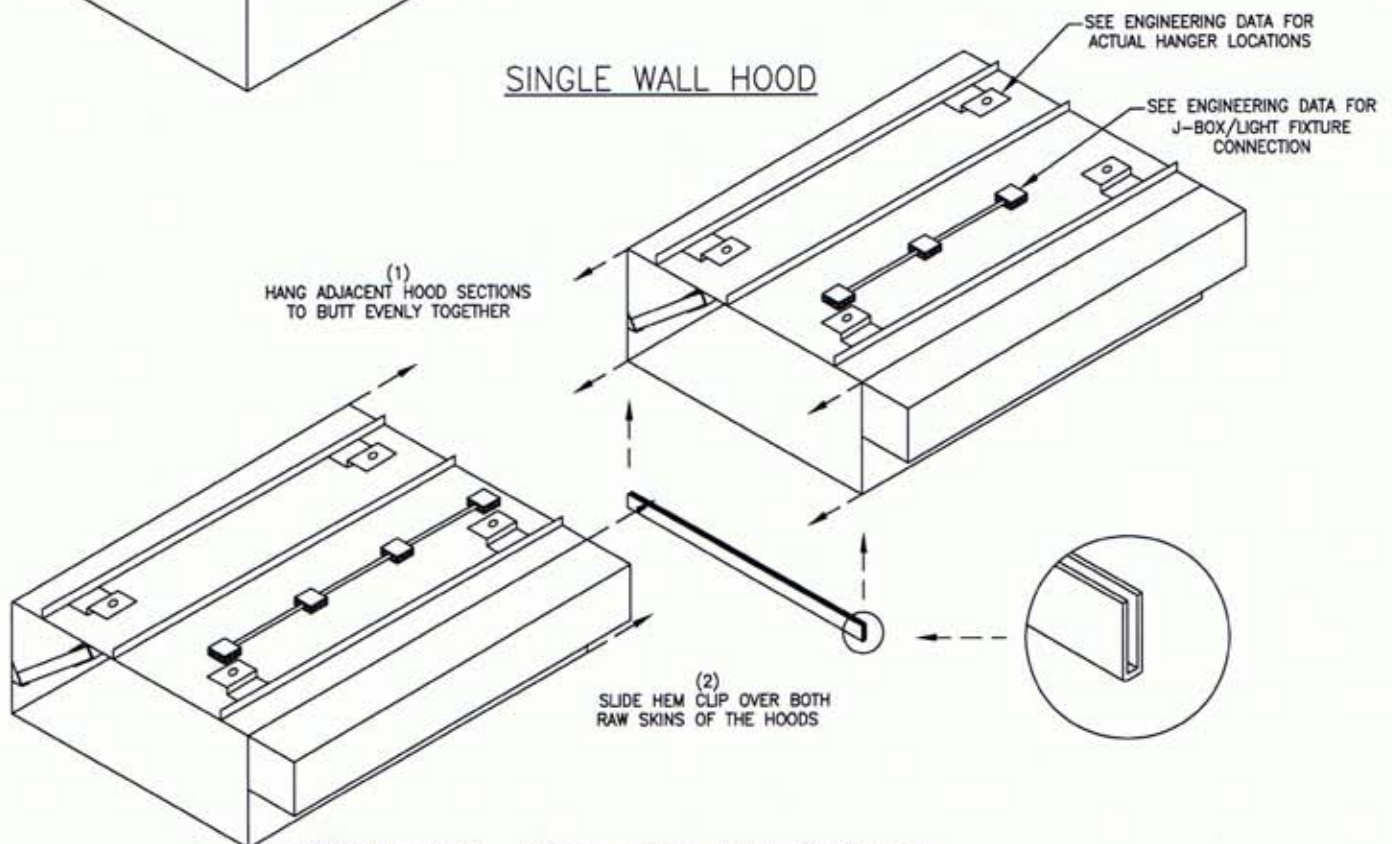
- 1) Comply with local codes regarding the type of insulations required between the canopy hood, wall and/or ceiling combustible material.
- 2) Uncrate the hood, being very careful not to dent or scratch the outer surface. Use protective material on lifting devices.
- 3) Position hood on floor in its approximate final position.
- 4) Cut 2" X 2" X 1/4" angle or unistrut 200 for bridging the joist space.
- 5) Drill 1/2" holes for 1/2" all thread in angle. The hole spacing in the angle should match the 1/2" holes in the mounting brackets on top of the canopy. These holes should align with holes in building joist. (Not necessary if using Unistrut 200.)
- 6) Insert 1/2" all threaded rod into mounting brackets or hanging angle and attach with 1/2" washer and nut. At this point, with the canopy well protected against possible scratching; lift the canopy into position and attach top portions of all threaded rod into holes in 2" X 2" X 1/4" or unistrut 200 angle with 1/2" nuts and washers.
- 7) Level the hood exactly using the nuts to raise or lower each corner of the hood. Use level to determine hood is level.



Hood Installation Diagram



SINGLE WALL HOOD



SINGLE WALL HOOD WITH MUA PLENUM



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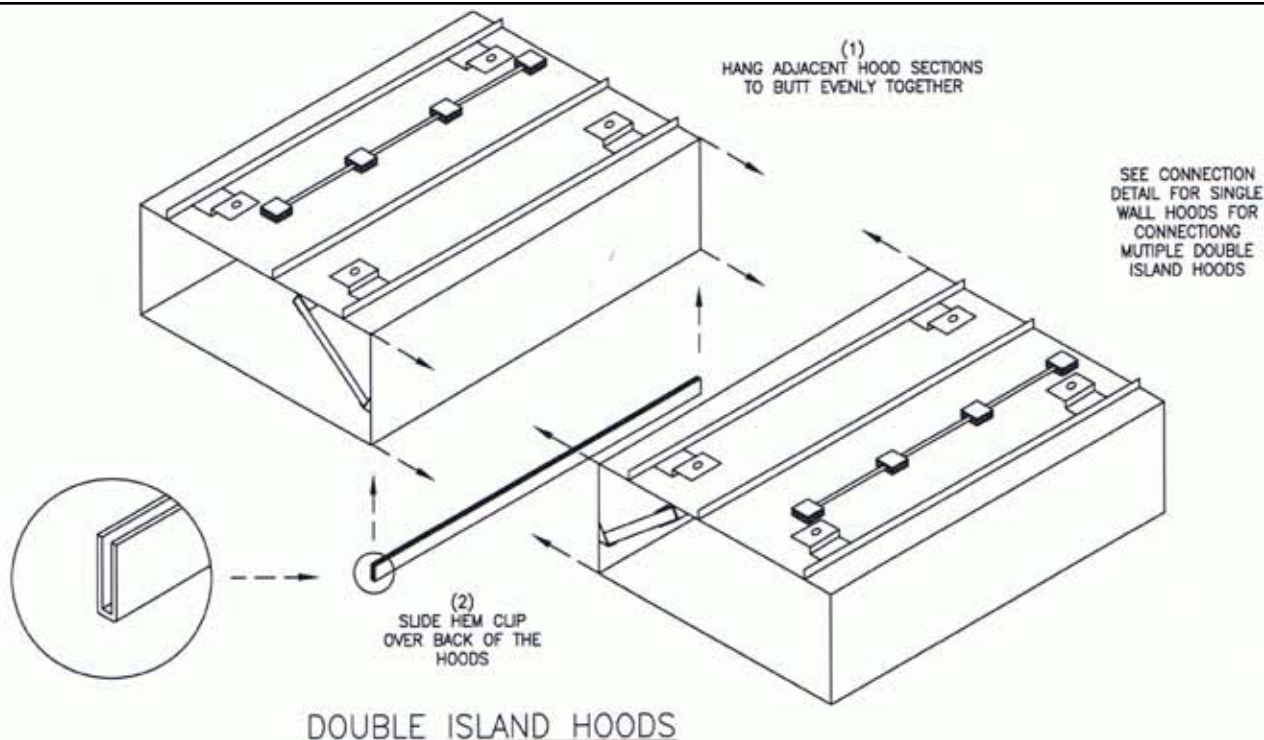
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DOUBLE ISLAND HOODS

Fig. A

Typical Field Joint Details

On canopy installations that are constructed of two or more sections, hang the canopies in the same manner as described. Hang the adjacent section with unfinished raw edge end to butt evenly together. Slide hem clip over raw edges at field joint. This method is also used for back-to-back island installation.

II. Wall Panels

When backsplash panels are provided, slip the top of the panel 2" up in the back of the canopy and install joint cover strips when 2 or more panels are to be joined and J Moldings at each end. See Figure B.

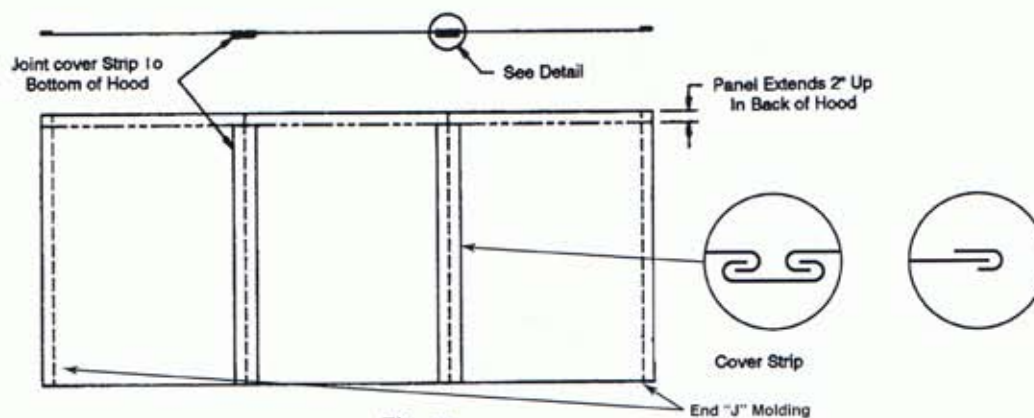


Fig. B

Backsplash Panels



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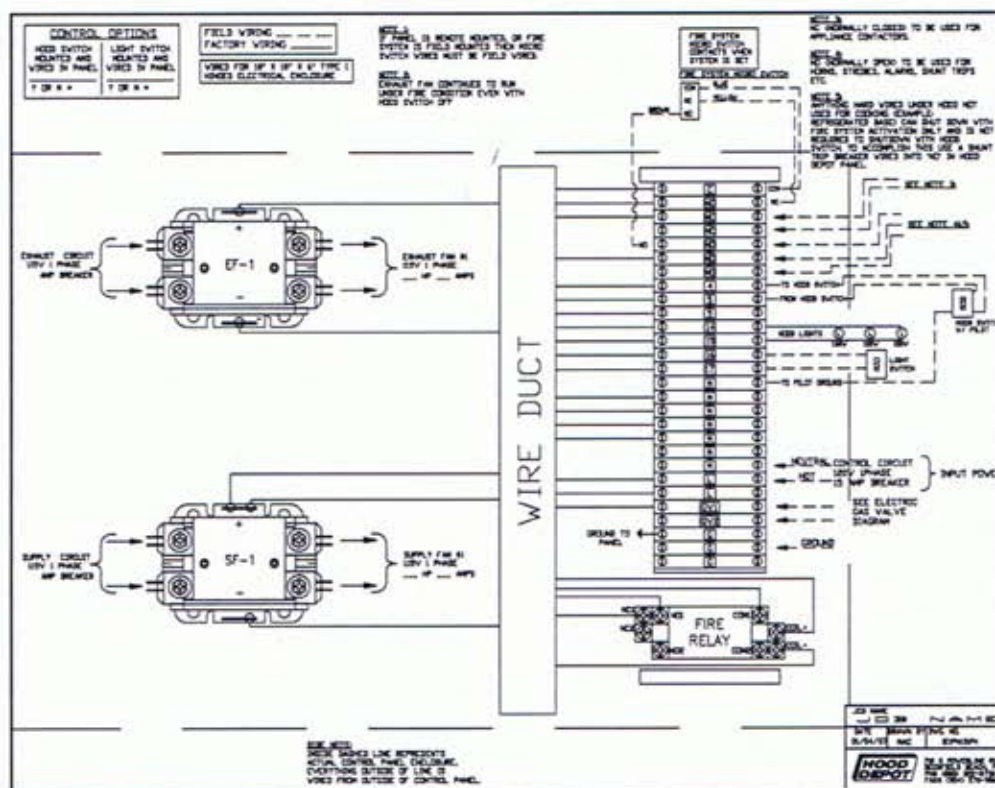
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III ELECTRICAL HOOK-UP

EXAMPLE CONTROL PANEL DIAGRAM



What You Must Do: Arrange for electric work to be done by a qualified electrical contractor. Be sure your electrician is provided with this and the Hood Depot CAD drawings in order to provide proper drawings and pull permits.

Hood Depot Equipment Provided: 1. Pre-piped and pre-wired U.L. Listed Lights(s). 2. Electric Control Panel with Fan Motor Contactors/Starters and relays for code requirements 3. Fan Motors. 4. Fire System microswitch(es).

Equipment Not Provided: 1. Shunt Trip Breakers 2. Horn/Strobe Devices 3. All conduits, wires, connectors, breakers, additional contactors, etc.

Electrical Work to be Done by Others:

1. Wiring from circuit breaker to Control Panel(s).
2. Wiring from control panel(s) to Fan Units.
3. Wiring hood light(s).
4. Wiring to Fire System Micro Switches.
5. Accessory Wiring
 - A. Horn/Strobe
 - B. Shunt Trips
 - C. Fire Alarm
 - D. A/C Unit Shutdown

The following contains important information about each of the above wiring procedures. Be sure both you and your electrical contractor are also familiar with the important NOTES & CONDITIONS Described on Page 7 of this booklet.



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IV Exhaust Fan and Curb

- 1 – Remove exhaust curb from packing crate.
- 2 – Align over roof opening for exhaust and secure to roof.
- 3 – Mop in curb from roof to the side of the curb to assure weather tightness.
- 4 – Remove exhaust from packing crate.
- 5 – Carefully lift exhaust fan to roof with crane.
- 6 – Lower the exhaust fan over exhaust curb and secure mounting collar of exhaust fan to exhaust curb with #14 self tapping screws and weatherproof washer.(3/side)
- 7 – Wire exhaust fan motor to top of control panel in kitchen.

V Supply Fan and Curb (Down blast Type)

- 1 – Remove supply curb from packing crate.
- 2 – Align over roof opening for supply fan and secure to roof structure (note: Supply intake must be a minimum of 10' from exhaust outlet!).
- 3 – Mop on curb from roof to the side of curb to assure weather tightness.
- 4 – Remove supply unit from packing crate.
- 5 – Carefully lift supply unit to roof with crane.
- 6 – Lower the supply unit onto supply curb and secure to curb with #14 self tapping screws (3/side) through bottom of unit into curb.
- 7 – Wire supply fan motor to control panel in kitchen.

Start-Up Procedure

VI Start-Up

- 1 – Check all wiring to be sure it is complete. Exhaust and supply fan(s) should be wired to control panel according to diagram.
- 2 – Check system for proper voltage.
- 3 – Belts and pulleys must be checked for proper alignment. Motor and drive shafts must be parallel with one another and make sure belt rides level.
- 4 – Check for proper belt tension. Approximately ½" deflection is normal on each side of the belt midway between the pulley centers.
- 5 – Check fan wheel rotations to make sure they are running correctly. They can be checked by momentarily energizing unit.
- 6 – Make sure all bolts and fasteners have not come loose during shipping.

Maintenance Instructions

VII Hood

1 – Daily

- a. Inspect grease filters for grease accumulation.
- b. Remove grease trough and container and empty contents. Clean and replace.
- c. Wipe accumulated grease from interior hood surfaces with a clean dry rag. (Note: Never use abrasive cleaners or powder on hood surfaces.)
- d. Wipe off globes of lights.

2 – Weekly

- a. Remove grease filters and wash in dishwasher or sink with mild liquid detergent. (Note: Filters over heavy grease producing equipment may require more frequent cleaning.)
- b. Before replacing filters, clean entire interior of hood including exhaust chamber with a mild detergent.
- c. Stainless steel exterior should be cleaned, with a mild detergent solution and then polished with a good grade of stainless steel polish to preserve the luster.

VIII Fan Package

1 – Bi-Weekly

- a. Check condition of supply air filters. Filters should be checked every two weeks for a two-month period after installation to establish a proper cleaning schedule.

2 – Monthly

- a. Check condition of drive belts. Belts tend to stretch slightly during the initial period of operation. Therefore, belt tension should be checked at the time of installation, and also after a few days of running.
- b. Clean exhaust wheel and inside of fan housing. Heavy grease build-up can be a fire hazard and can also cause wheels to become unbalanced, a condition which will result in undue bearing wear and noise.





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