

FAN INFORMATION											EXHAUST FAN											SUPPLY FAN										
FAN UNIT NO.	P-NET #	CAS MODEL	TAG	CFM	S.P.	RPM	H.P.	Ø	VOLT	FLA	BLOWER	HOUSING	TAG	CFM	S.P.	RPM	H.P.	Ø	VOLT	FLA												
EF-1	42843	DU33FHA	EF-1	3150	-.35"	1198	1/3	1	115	4.1																						

FAN OPTIONS	
FAN NO.	OPTION (Qty. - Descr.)
1	1 - Grease Box
	1 - Motorized Backdraft Damper for A2-D Housing

CURB ASSEMBLIES					
NO.	ON FAN	ITEM	P-NET#	AES MODEL	SIZE
1	# 1	CURB	42412	ARC3/VE	19.5"X19.5"

NOTE:
FANS SIZED FOR SINGLE STORY, STRAIGHT DUCT RUN TO THE ROOF. PLEASE VERIFY.

FAN START-UP AND AIR BALANCE IS BY THE INSTALLING CONTRACTOR AND REQUIRED FOR PROPER OPERATION OF THE HOOD SYSTEM.

AN AIR BALANCE REPORT IS REQUIRED AND IS TO BE SUBMITTED TO THE OWNER UPON COMPLETION.

CAPTIVE AIRE WARRANTY IS FOR PARTS ONLY FOR ONE YEAR. THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR ALL LABOR WARRANTY FOR ONE YEAR.

INSTALL ALL CAPTIVE AIRE EQUIPMENT PER LOCAL CODES.

ELECTRICAL PACKAGES												
NO.	TAG	PACKAGE #	LOCATION	SWITCHES		ROOFTOP STARTERS	OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY			TYPE	Ø	H.P.	VOLT.	FLA
1		31111002	Utility Cabinet Left Hood # 1	Utility Cabinet Left Hood # 1	1 Light 1 Fan		Exhaust in Fire	Exhaust	3	1/2	208	-

Series with PSP Accessory Specification

The Series with PSP Accessory is a compensating wall canopy ventilator rated for all types of cooking equipment. Shall be capable of providing make-up air through a front perforated stainless steel plenum. The hood shall have size, shape and performance specified on drawings.

Construction shall be type 304 stainless steel with a #3 or #4 polish where exposed. Individual component construction shall be determined by manufacturer, UL, and NSF. Construction shall be dependent on the structural application to minimize distortion and other defects. All seams, joints and penetrations of the hood enclosure to its lower outermost perimeter that directs and captures grease-laden vapor and exhaust gases shall have a liquid-tight continuous external weld in accordance with NFPA 96. Hood shall be wall type with a minimum of four connections for hanger rods. Connectors shall have 9/16" holes pre-punched in 1 1/2" x 1 1/2" angle iron at the factory to allow for hanger rod connection by others.

Ventilator shall be furnished with U.L. classified aluminum baffle filters, supplied in size and quantity as required by ventilator. The filters shall extend the full length of the hood and the filter panels shall not be more than 6".

Exhaust duct collar to be 4" high with 1" flange. Duct sizes, CFM and static pressure requirements shall be as shown on drawings. Static pressure requirements shall be precise and accurate; air velocity and volume information shall be accurate within 1-ft increments along the length of the ventilator.

U.L. incandescent light fixtures and globes shall be installed and pre-wired to a junction box. The light fixtures shall be installed with a maximum of 4'0" spacing on center and allow up to a 100 watt standard light bulb.

The hood shall have:

* A double wall insulated front to eliminate condensation and increase rigidity. The insulation shall have a flexural modulus of 475 EI, meet UL 181 requirements and be in accordance with NFPA 90A and 90B.

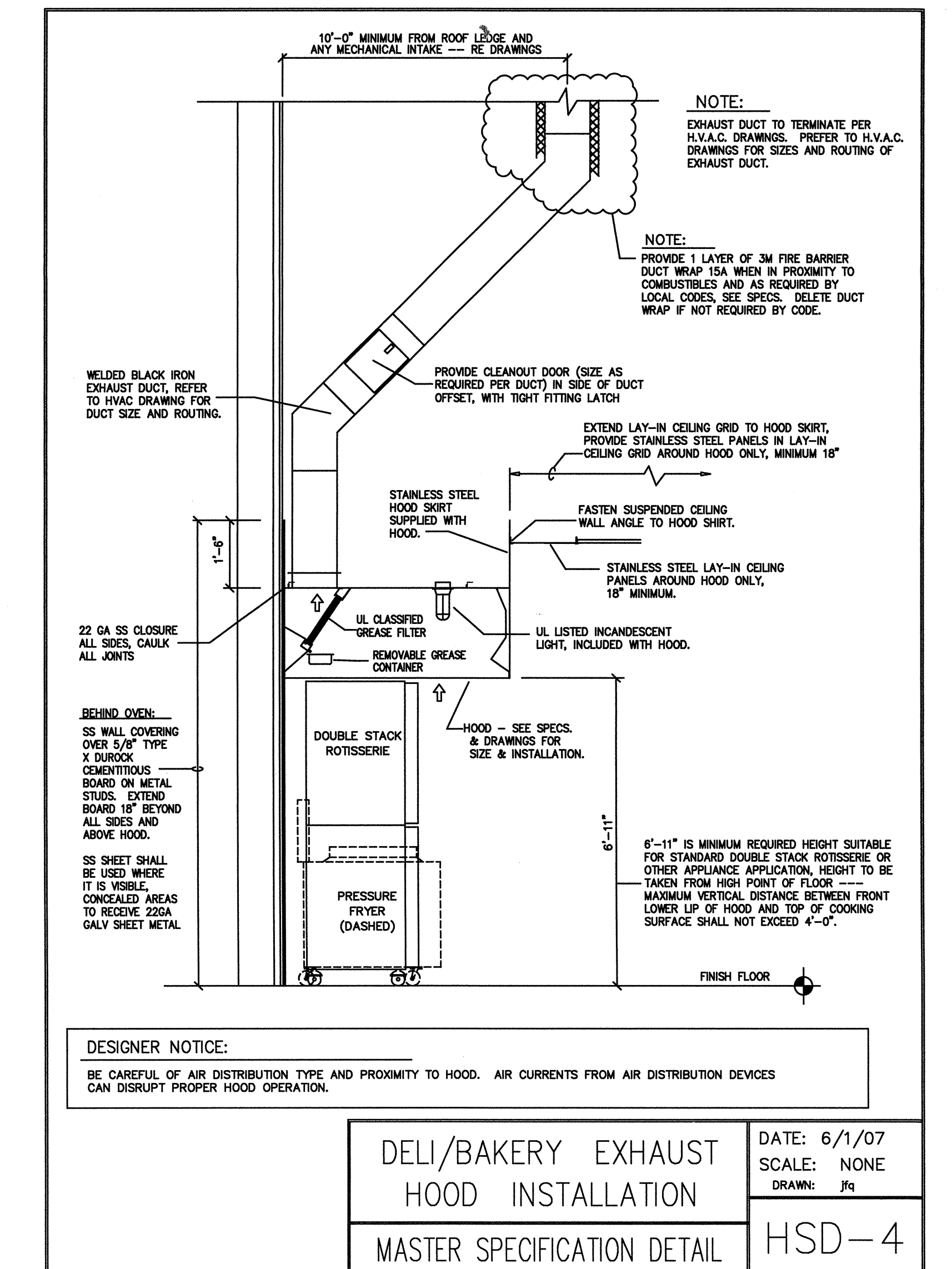
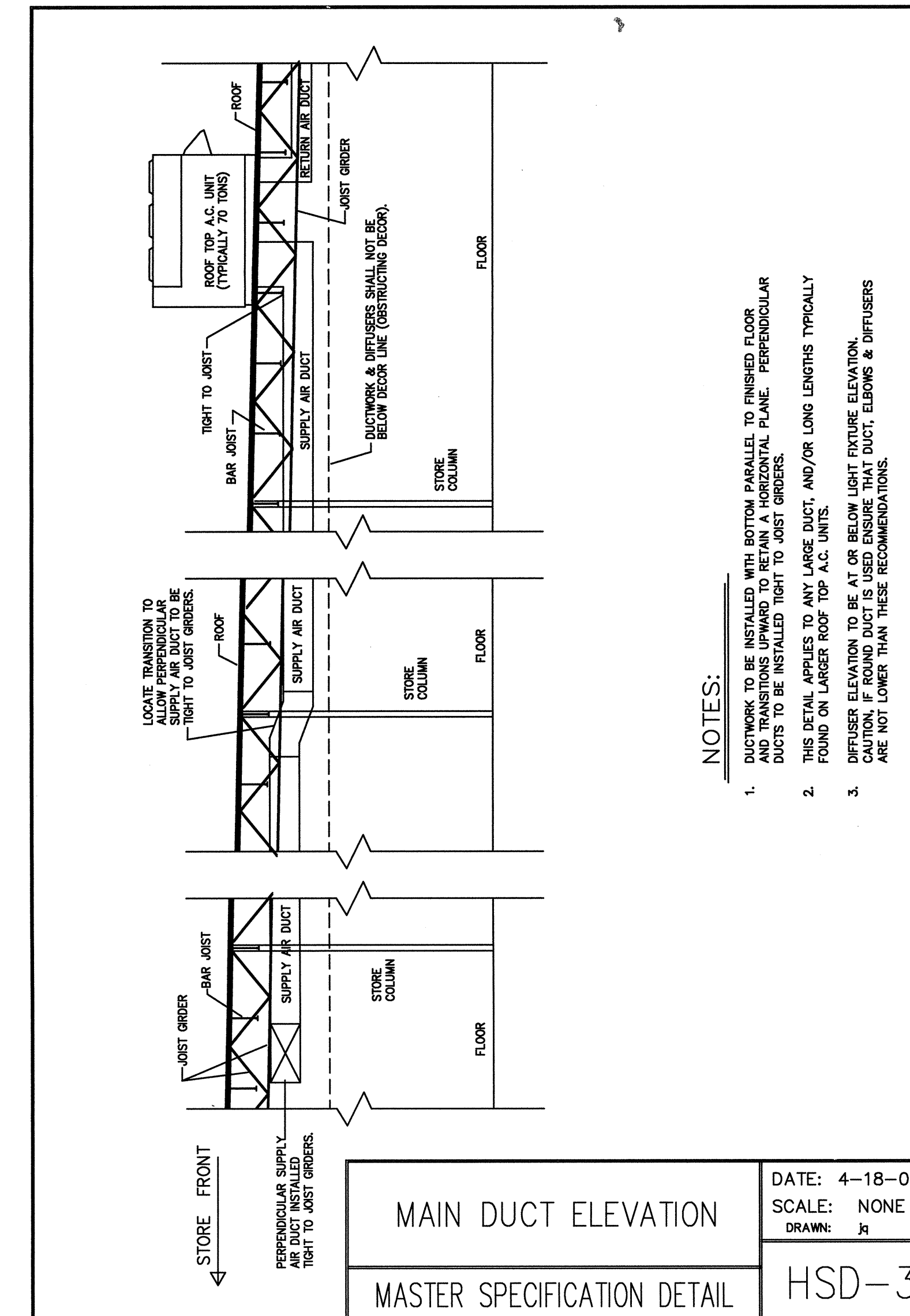
* An integral front baffle to direct grease laden vapors toward the exhaust filter bank.

* The grease drain system shall be an integral part of the hood back and have a minimum 1/8" per foot slope with an exposed, removable 1/2 pint grease cup to facilitate cleaning.

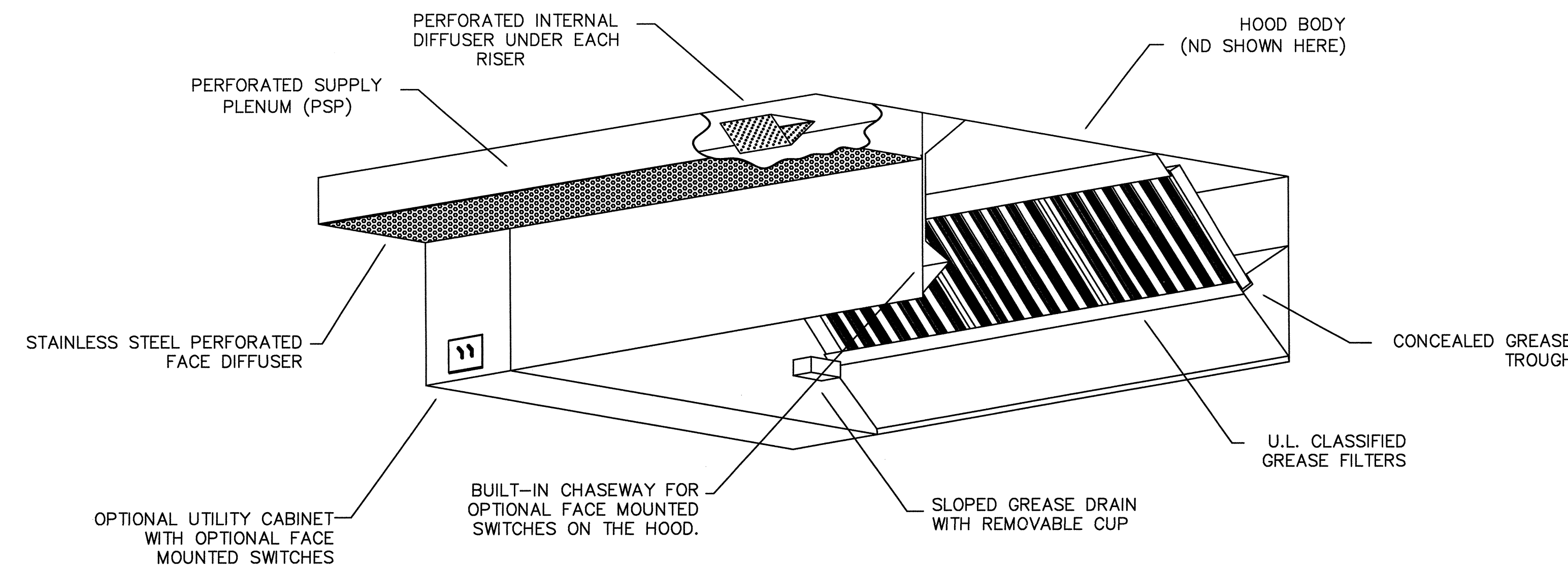
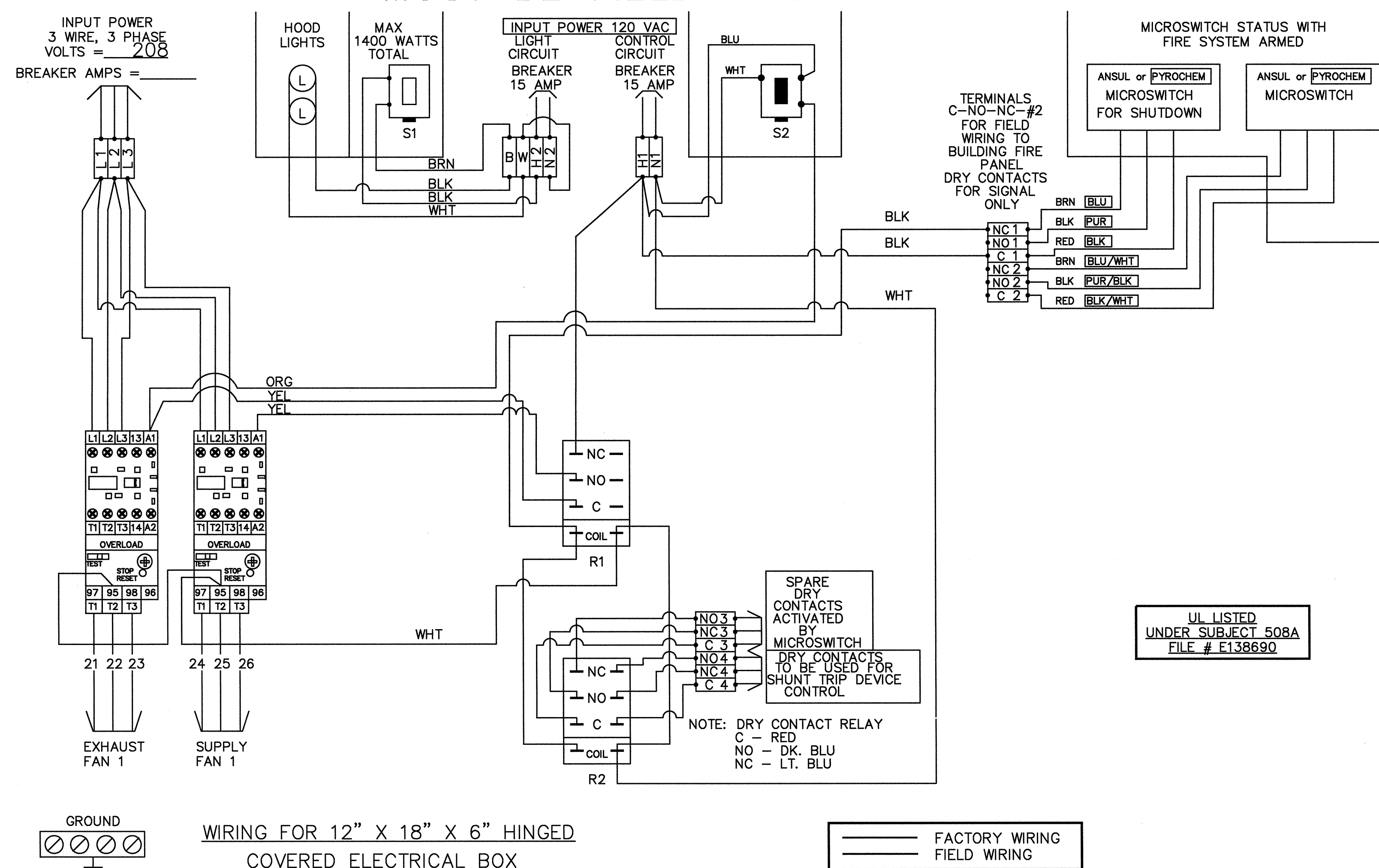
The front plenum shall provide make-up air through perforated stainless steel panels.

All seams shall be welded and have stainless steel on exposed surfaces. Unexposed surfaces shall be constructed of aluminized steel. Perforated diffuser plates shall be included in the design, to provide even air distribution.

The hood shall be UL Listed as "Exhaust Hood Without Exhaust Damper", NSF Listed and built in accordance with NFPA 96. Hood shall be recognized by ICBO, BOCA, and SBCCI. The hood shall be listed for 450° F cooking surfaces at 150 CFM/ft, 900° F cooking surfaces at 200 CFM/ft, and 700° F cooking surfaces at 250 CFM/ft. Hood shall be UL Listed as "Exhaust Hood Without Exhaust Damper". A built-in wiring chase shall be provided for outlets and electrical controls on the hood face and shall not penetrate the capture area or require an external chaseway.



NOTE: IF WALL MOUNT PREWIRE, OR FIELD INSTALLED FIRE SYSTEM MICROSWITCH TERMINALS SHOWING FACTORY WIRING MUST BE FIELD WIRED



DUCTWORK GUIDELINES

DUCTWORK SHOULD BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND RESTRICTIONS. IT IS THE RESPONSIBILITY OF THE INSTALLER TO CHECK LOCAL CODES BEFORE INSTALLING DUCT.

1. ALL EXHAUST DUCTWORK MUST BE INSTALLED IN THE MOST DIRECT MANNER POSSIBLE.
2. EXHAUST DUCT MUST BE MADE OF 16 GAUGE CARBON STEEL OR 18 GAUGE STAINLESS STEEL.
3. PER NFPA-96 ALL EXHAUST DUCT SEAMS AND JOINTS MUST HAVE A CONTINUOUS LIQUID TIGHT EXTERNAL WELD.
4. EXHAUST RISERS ON THE HOOD HAVE BEEN SIZED TO ACHIEVE A VELOCITY OF 1500-2200 FPM (NFPA-96) BASED ON THE CFM REQUIRED FOR THE HOOD. PLEASE BE SURE TO MAINTAIN THE AREA OF EACH RISER WHEN CONNECTING DUCT, OFFSETS OR TRANSITIONS TO IT.

1 EXHAUST DETAILS
H2.2 NTS

THESE ARE TYPICAL DETAILS. OWNER WILL FURNISH A PACKAGE SYSTEM. CONTRACTOR TO COORDINATE WITH VENDOR FOR ALL REQUIREMENTS.

