

ELECTRICAL PACKAGE - Job#3741775

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED									
				LOCATION	QUANTITY		TYPE	#	H.P.	VOLT	FLA					
1		DCV-1111	Utility Cabinet Left	03 - Utility Cabinet Left Hood # 1	1 Light 1 Fan	Smart Controls DCV	Exhaust	3	2,000	208	6.1	Supply	3	1,500	208	4.4

Field Connection to Router or Ethernet Switch OR Factory Wired Connection to Cat5/6

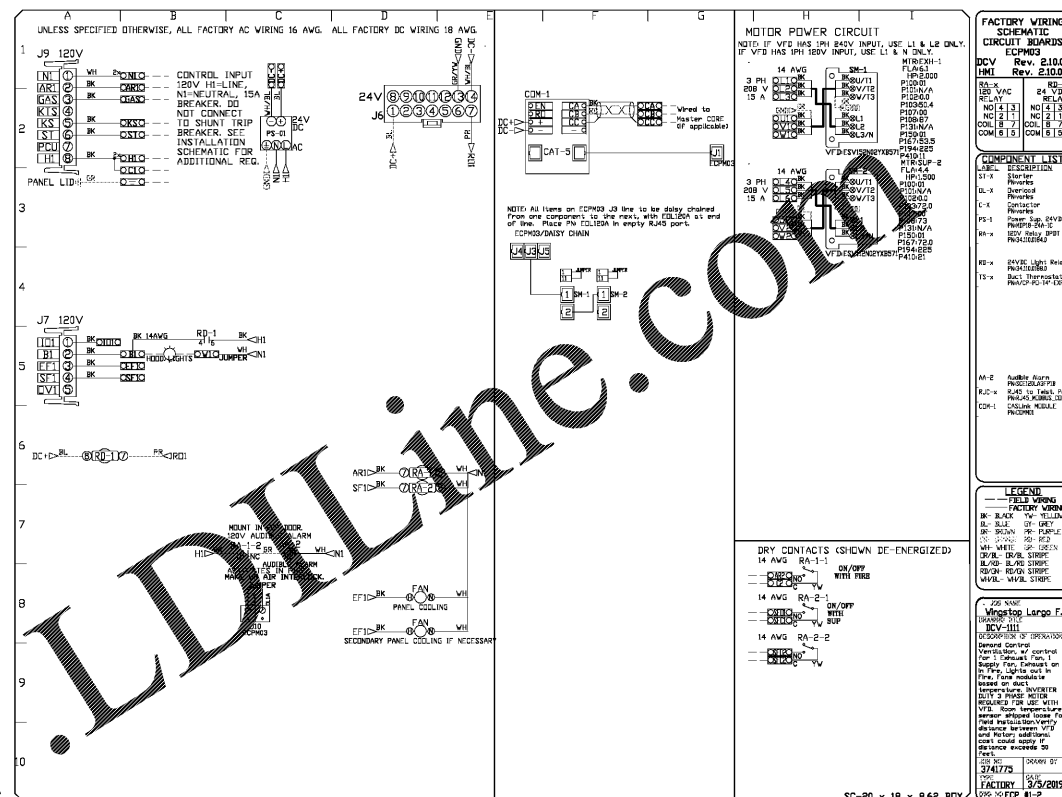
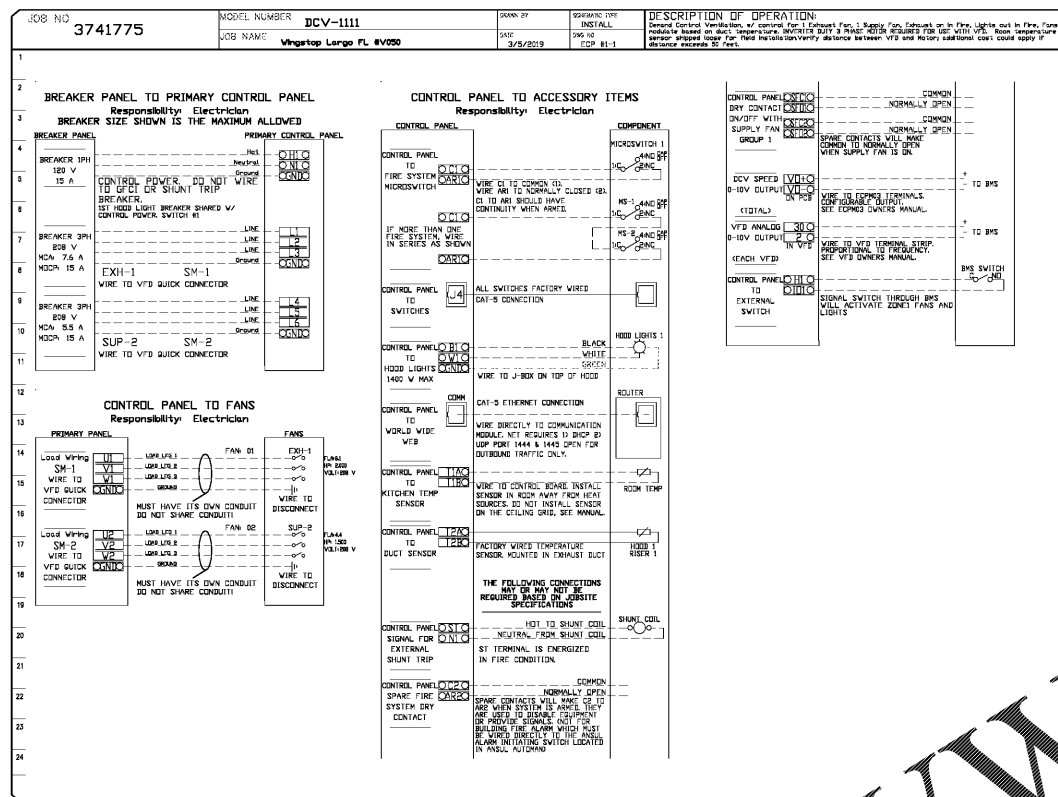


CASlink Monitor and Control

- Hood control panel to support communications to cloud-based Building Management System.
- Hood Control Panel to allow cloud-based Building Management System to monitor real time parameters outlined as MONITOR in the points list.
- Hood Control Panel to allow cloud-based Building Management System to control parameters outlined as CONTROL in the points list.
- Hood control panel to allow remote changes to system setting such as VFD Frequencies, ECV speeds, temperature set points, fan and wash schedules, etc.

MONITORING AND CONTROL POINTS LIST

DCV Packages	Function	SC Packages	Function
Room Temperature	MONITOR	Room Temperature(s)	MONITOR
Duct Temperature(s)	MONITOR	Duct Temperature(s)	MONITOR
MUA Discharge Temperature	MONITOR	MUA Discharge Temperature	MONITOR
Kitchen RTU Discharge Temperature	MONITOR	Kitchen RTU Discharge Temperature	MONITOR
Fan Speed	MONITOR	Exhaust Fan Speed	MONITOR
Fan Amperage	MONITOR	Fan Status	MONITOR
Fan Power	MONITOR	Fan Status	MONITOR
VFD Faults	MONITOR	PCU Faults	MONITOR
Compressor Faults	MONITOR	PCU Filter Clog Percentages	MONITOR
Fan Faults	MONITOR	Fire Condition	MONITOR
Fan Status	MONITOR	COSE Fire System	MONITOR
PCU Faults	MONITOR	Building Pressures	MONITOR
PCU Filter Clog Percentages	MONITOR	Fans Buttons(s)	MONITOR & CONTROL
Fire Condition	MONITOR	Light(s) Button(s)	MONITOR & CONTROL
COSE Fire System	MONITOR	Wash Button	MONITOR & CONTROL
Building Pressures	MONITOR & CONTROL		
Prep Button	MONITOR & CONTROL		
Fans Button	MONITOR & CONTROL		
Light(s) Button	MONITOR & CONTROL		
Wash Button	MONITOR & CONTROL		



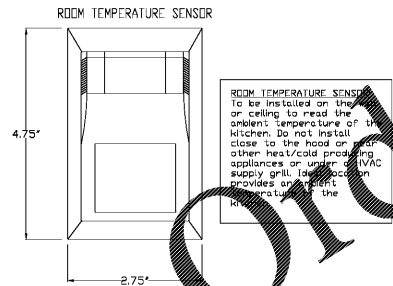
The Electrical Control Panels Model has been certified by IIS. This certification mark indicates that the product has been tested to and meets the requirements of a widely recognized (Consensus) U.S. and Canadian products safety standard, that the manufacturing site has been audited, and that the applicant has agreed to a program of periodic factory follow-up inspections to verify continued performance. Models Electrical Control Panels are ETL Listed under file number 3054731-001 and complies with UL 508A standards and CSA C22.2, No. 14-M95 and CSA C22.2, No. 73-1953 Standards.

The OFP Electrical Package is designed to thermostatically activate the exhaust fan for an exhaust hood whenever elevated temperatures are sensed in the exhaust system. This option will meet the requirements of IMC 507.2.1.1 by providing a thermostat(s) mounted in the duct or hood riser to sense increased exhaust temperatures. Controls shall be listed by ETL (UL 508A). The control enclosure shall be NEMA 1 rated and listed for installation inside of the exhaust hood utility cabinet. The control enclosure may be constructed of stainless steel or painted steel.

Temperature sensor(s) located in the duct riser(s) shall be constructed of Stainless Steel. A room temperature sensor is also provided for field installation in the kitchen space in order to start the fan(s) based on the temperature differential between the room and the exhaust air in the duct, rather than fixed set-points. The system is factory pre-set to activate the fans at 15 deg F* above the room temperature.

Once the duct temperature reaches the activation point, the exhaust fans will be activated. The controls also provide hysteresis to prevent cycling of the fans after the cooking appliances have been turned off and the heat in the exhaust system is reduced. The hysteresis is factory set at 5 degrees and will keep the exhaust running until the temperature falls 2 degrees below the activation set point. A hysteresis timer also exists to keep the fans running for at least 30 min after being activated by the temperature rise.

The activation and hysteresis settings may be field adjusted on the board LCD interface located inside the control enclosure to meet application needs. The panel is factory configured to shut down supply fans, turn on the exhaust fans and turn off the hood lights in the event of a fire condition. THE ELECTRICAL PREWIRE PACKAGE IS MANUALLY RESET WHEN THE FIRE SUPPRESSION SYSTEM IS MANUALLY RESET. REFER TO EXHAUST FAN MANUAL REGARDING PROPERLY CHECKING FAN WIRING FOR CORRECT OPERATION.

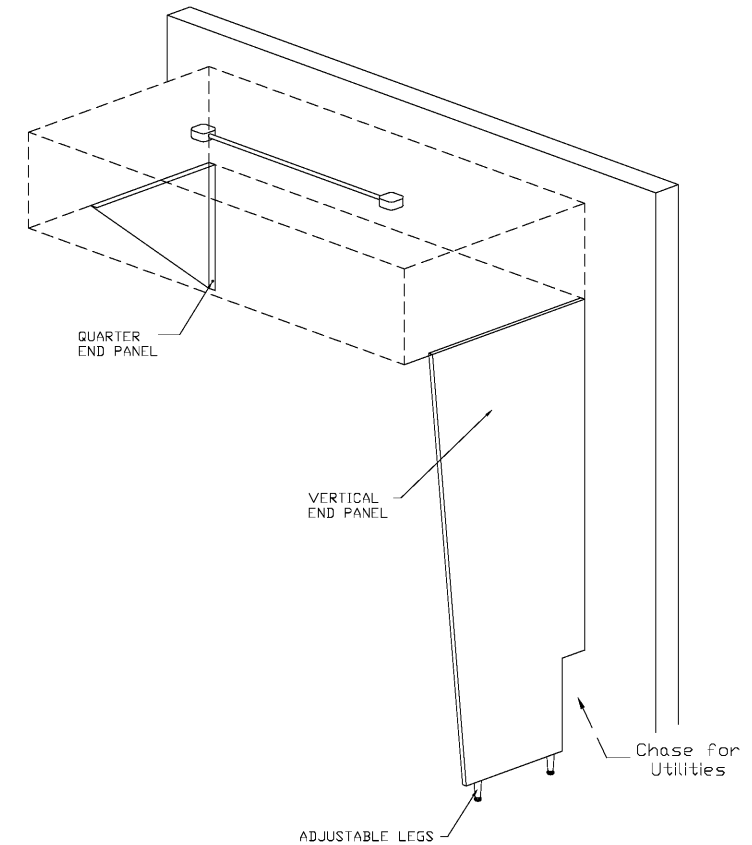


System Design Verification (SDV)

If ordered, CAS Service will perform a System Design Verification (SDV) once all equipment has had a complete start up per the Operation and Installation Manual. Typically, the SDV will be performed after all inspections are complete.

Any field related discrepancies that are discovered during the SDV will be brought to the attention of the general contractor and corresponding trades on site. These issues will be documented and forwarded to the appropriate sales office. If CAS Service has to resolve a discrepancy that is a field issue, the general contractor will be notified and billed for the work. Should a return trip be required due to any field related discrepancy that cannot be resolved during the SDV, there will be additional trip charges.

During the SDV, CAS Service will address any discrepancy that is the fault of the manufacturer. Should a return trip be required, the general contractor and appropriate sales office will be notified. There will be no additional charges for manufacturer discrepancies.



CAPTIVE-AIRE HOOD PACKAGE AS SHOWN IS OWNER PROVIDED

REVISIONS

NO.	DESCRIPTION	DATE
1		
2		
3		
4		

CAPTIVE-AIRE

Dallas Office

1901 Royal Lane Suite 101, DALLAS, TX, 75229 PHONE: (214) 220-3999 FAX: (214) 220-0099 EMAIL: rep45@captivaire.com www.captivaire.com

Wingstop Largo FL #V050
10125 Ulmerton Rd. Suite C,
LARGO, FL, 33771

DATE: 3/5/2019
DWG.#: 3741775
DRAWN BY: CJP-REG45
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 3