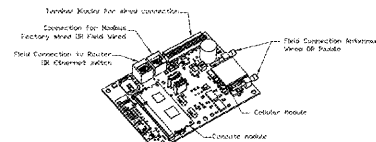


ELECTRICAL PACKAGE - JOB#449428

NO	TAG	PACKAGE #	LOCATION	SWITCHES		EQUIPMENT	FANS CONTROLLED				
				LOCATION	QUANTITY		TYPE	HP	VOLTS	FLA	
1		SC-21110FP	UTILITY CABINET RIGHT	SC-21110FP GASBURNER LIGHT HOOD # 1	1 LIGHT 1 FAN	SMART CONTROLS THERMOSTATIC CONTROL	EXHAUST	1	0.750	230V	5.0
							SUPPLY	1	1.000	230V	6.5

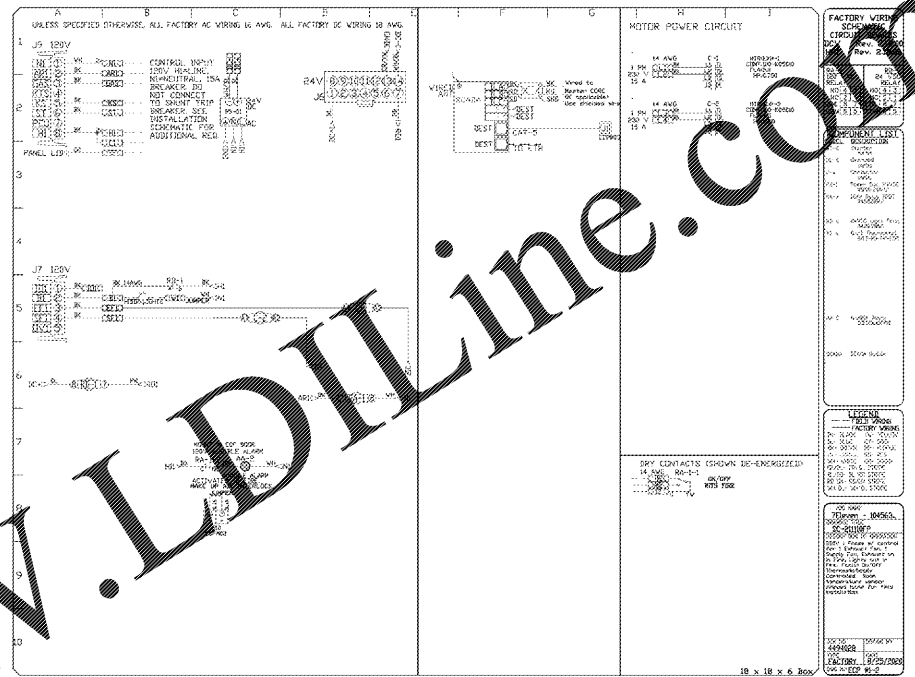
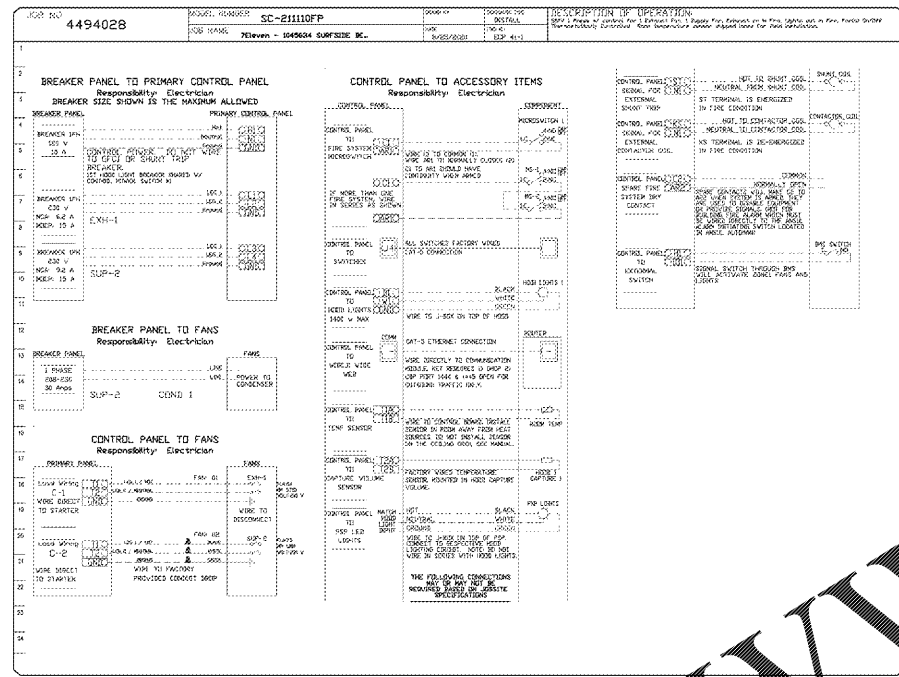


CASlink Monitor and Control

Head control panel to support communications to cloud-based Building Management System.
Head control panel to allow cloud-based Building Management System to monitor real time parameters outlined in MONITOR in the points list.
Head Control Panel to allow cloud-based Building Management System to control parameters outlined in CONTROL in the points list.
Head Control Panel to allow cloud-based Building Management System to implement SYSTEM MONITORIZER control strategies for fully integrated Building Management.

MONITORING AND CONTROL POINTS LIST

SC Package	Function	SC Package	Function
Room Temperature	MONITOR	Room Temperature	MONITOR
Roof Temperature	MONITOR	Roof Temperature	MONITOR
Exhaust Temperature	MONITOR	Exhaust Temperature	MONITOR
Exhaust Hood Temperature	MONITOR	Exhaust Hood Temperature	MONITOR
Fan Speed	MONITOR	Control Panel	MONITOR
Fan Ampage	MONITOR	Fan Status	MONITOR
Fan Phase	MONITOR	Fan Status	MONITOR
UPS Faults	MONITOR	UPS Faults	MONITOR
Generator Faults	MONITOR	AVT Filter Clog Percentage	MONITOR
Line Voltage	MONITOR	Gas Flow System	MONITOR
Gas Flow	MONITOR	Exhaust Pressure	MONITOR
Exhaust Pressure	MONITOR	Fan Status(es)	MONITOR & CONTROL
AVT Filter Clog Percentage	MONITOR	Light Status(es)	MONITOR & CONTROL
Fan Status	MONITOR	Roof Status	MONITOR & CONTROL
Light Status	MONITOR & CONTROL		
Roof Status	MONITOR & CONTROL		



REVISIONS

NO.	DESCRIPTION	DATE

CAPTIVE

Seattle Office
1318 Pacific Ave. Everett, WA 98201 PHONE: (425) 212-5998 FAX: (425) 212-5998 EMAIL: rep@captivewire.com

1318 Pacific Ave. Everett, WA 98201 PHONE: (425) 212-5998 FAX: (425) 212-5998 EMAIL: rep@captivewire.com

SC-SMART CONTROL SPECIFICATION

The Electrical Package, typically FP, is designed to thermostatically activate the exhaust fans for an exhaust hood whenever elevated temperatures are detected in the exhaust system. This option will meet the requirements of IMC 507.2.1 by providing a thermostatic mounted in the duct or hood riser to sense increased exhaust temperatures. Controls shall be listed by ETL (UL 508A).

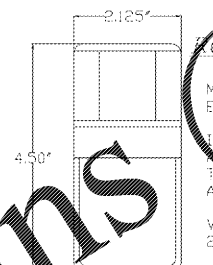
The control enclosure shall be NEMA 1 rated and listed for installation inside of the exhaust hood utility cabinet. The control enclosure may be constructed of stainless steel or painted steel.

Temperature probe(s) located in the duct riser 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 fans based on the temperature differential between the room and the exhaust air in the duct rather than fixed set-points. The system is factory preset to activate the fans at 10 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 cooling appliances have been turned off and the heat in the exhaust system is reduced. The hysteresis is factory set 2 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 a fire condition.

EXTERNAL COMPONENT DETAILS

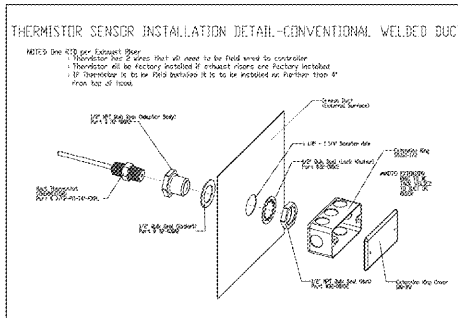


ROOM TEMPERATURE SENSOR

MOUNTS IN STANDARD SINGLE GANG ELECTRICAL BOX

INSTALL IN LOCATION TO PROVIDE MOST ACCURATE ROOM TEMPERATURE (NEAR RTU TO RETURN) AWAY FROM HEAT SOURCES.

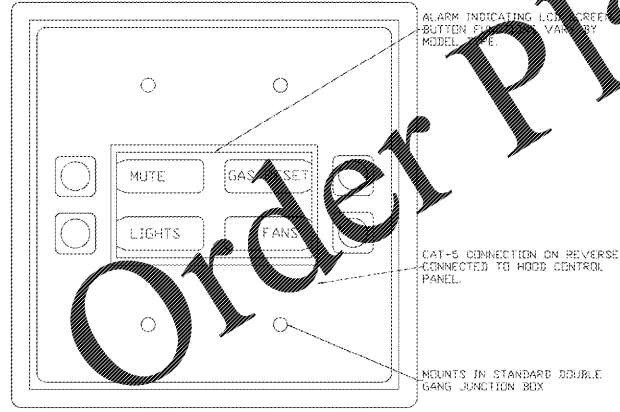
WIRE TO CONTROL BOARD WITH PROVIDED 2 WIRE LOW VOLTAGE CABLE.



THERMISTOR - (1) PER EXHAUST COLLAR

FIELD INSTALL IN HOOD EXHAUST COLLAR WITHIN 4" OF CONNECTION TO HOOD (HARDWARE PROVIDED).

WIRE TO CONTROL BOARD WITH PROVIDED 2 WIRE LOW VOLTAGE CABLE.



Order Plans

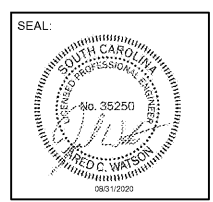
7-Eleven - 1045634 SURFSIDE BEACH, SC

1401 Coventry Rd,
Myrtle Beach, SC, 29575

DATE: 8/25/2020
DWG.#: 4494028
DRAWN BY: A.CASH 85
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO.
5

JARED C. WATSON, PE
2807 S. CREEKSIDE DR., SUITE 701
ROGERS, AR 72758
479-877-3188
SC LICENSE # 35250



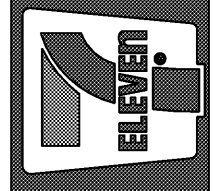
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Submissions:

7-ELEVEN, INC.
3200 HACKBERRY ROAD, IRVING, TEXAS 75063

7-ELEVEN #1045634
1401 COVENTRY ROAD
MYRTLE BEACH, SC 29575



JOB NUMBER: 20022
CHECKED BY:
DRAWN BY:
DATE: 08/31/20

TITLE
KITCHEN HOOD SUBMITTALS

SHEET:
M3.4