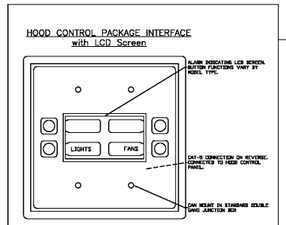
ELECTRICAL PACKAGES

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		FAN TAG	TYPE	#	H.P.	VOLT	FLA
1		DCV-2111	Top Utility Cabinet	Face Mount Right Side of Hood	1 Light	Smart Controls DCV	FRYER	Exhaust	3	3.000	208	9.5
				Hood # 1	1 Fan		GRILL	Exhaust	3	3.000	208	8.7
							MUA	Supply	3	2.000	208	5.9

SEQUENCE OF OPERATION – APPLIANCE INTERLOCK

- IN AUTO POSITION, FANS WILL TURN ON WHEN TEMPERATURE IS ABOVE 85 DEGREES AND WILL SHUT DOWN WHEN TEMPERATURE COOLS BELOW 85 DEGREES.
- IN ON POSITION, FANS WILL REMAIN ON CONSTANTLY
- IN FIRE CONDITION, EXHAUST WILL TURN ON OR REMAIN ON. MAKEUP AIR WILL SHUT DOWN AUTOMATICALLY.

HOOD CONTROL PACKAGE INTERFACE with LCD Screen

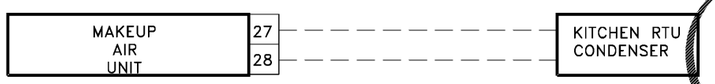


Room Override Thermostat

Provides room override based on temperature differential between the room and duct. Installed by electrician on a wall 5'-6" off the finished floor, in the space but not directly under the hood or close to an appliance (including the electrical control box) so the reading is accurate for space.

MUA/ RTU INTERLOCK DETAIL (BY ELECTRICIAN)

24VAC Coil – Signal From Condenser "Call For Cooling Interlock"



NOTE: THIS CONNECTION WILL LOCK OUT THE MUA BURNER CIRCUIT WHEN A/C IS BEING SUPPLIED TO THE SPACE

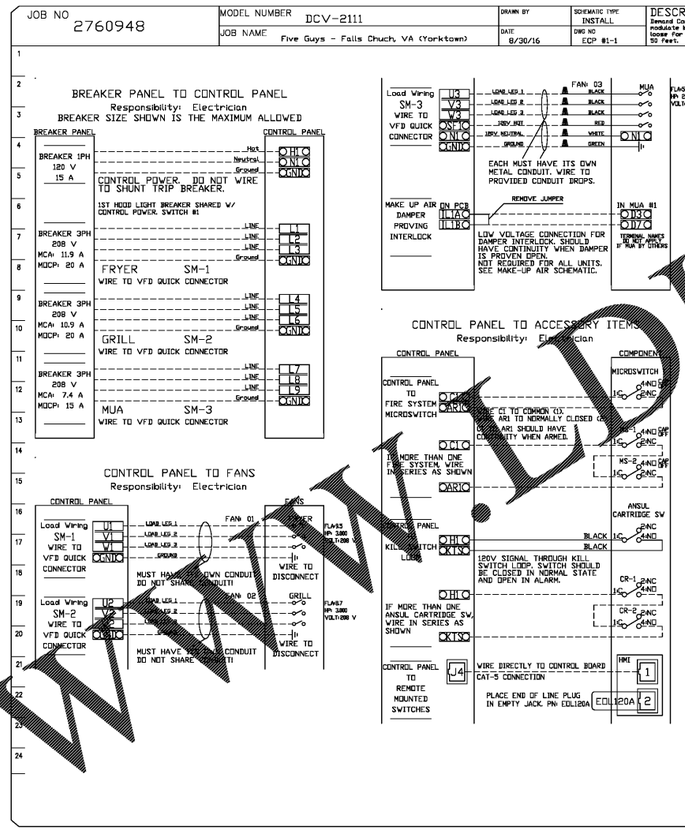
SCOPE OF WORK

HOOD(S): PROVIDED BY OWNER. INSTALLED BY GC.
FIRE SYSTEM(S): PROVIDED & INSTALLED BY OWNER.
EXHAUST FAN(S): PROVIDED BY OWNER. INSTALLED BY GC.
MAKEUP AIR UNIT(S): PROVIDED BY OWNER. INSTALLED BY GC.
ELECTRICAL CONTROL(S): PROVIDED BY OWNER. INSTALLED BY GC.
GC IS RESPONSIBLE FOR COMPLETE START-UP OF EXHAUST FANS AND MAKEUP AIR UNIT PER CAPTIVE AIRE OPERATION & INSTALLATION MANUAL

THIS DRAWING IS PROVIDED FOR REFERENCE ONLY. HOOD CONTRACTOR SHALL SELECT AND CERTIFY ALL EXHAUST/M.U. AIR FANS. ALL SYSTEMS SHALL MEET ALL APPLICABLE REQUIREMENTS OF STATE AND LOCAL CODES AND OTHER REQUIREMENTS AS SHOWN IN DESIGN DRAWINGS.

JOB NO 2760948 | MODEL NUMBER DCV-2111 | JOB NAME Five Guys – Falls Church, VA (Yorktown) | DRAWN BY | DATE 8/30/16 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1-1

DESCRIPTION OF OPERATION: Demand Control Ventilation, w/ control for 3 Exhaust Fans, 1 Supply Fan, Exhaust on in Fire, Lights out in Fire. Fans modulate based on duct temperature. INVERTER DUTY THREE PHASE MOTOR REQUIRED. Room temperature sensor shipped loose for field installation. Verify distance between VFD and Motors (additional cost could apply if distance exceeds 50 feet.



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REVISIONS

	DESCRIPTION	DATE:
1		
2		
3		
4		
5		

Five Guys
Augusta, GA
Falls Church, VA 22042

DATE: 8/30/2016
DWG.#: 2760948
DRAWN BY: SDC-32
SCALE: NOT TO SCALE
MASTER DRAWING
SHEET NO. 5

LMHT Project No. 16202

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A Division of LMHT Associates

SHOP DRAWING FOR REFERENCE ONLY

PROJECT: *FIVE GUYS BURGERS & FRIES*
8944 J. M. KEYNES DRIVE
CHARLOTTE, NC 28262
DRAWING: HOOD DETAILS

Revisions

REVISION DATE

PROJECT DATE 07.29.2016
Drawn By –
Checked By –
Sheet No. H501