

THIS SCHEMATIC IS FOR USE BY A QUALIFIED TECHNICIAN OR ELECTRICIAN ONLY.

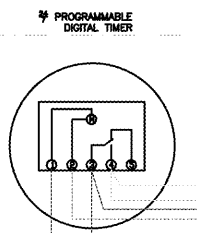
300467

RECOMMENDED BRANCH CIRCUIT BREAKER 20A TO BE PROVIDED BY INSTALLER.

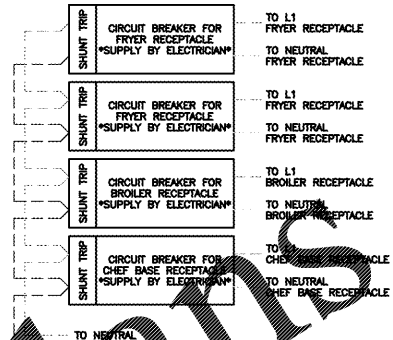
FIELD WIRING TO MARSHALL AIR CONTROL BOX ARE DASHED

WIRE COLORS LEGEND:

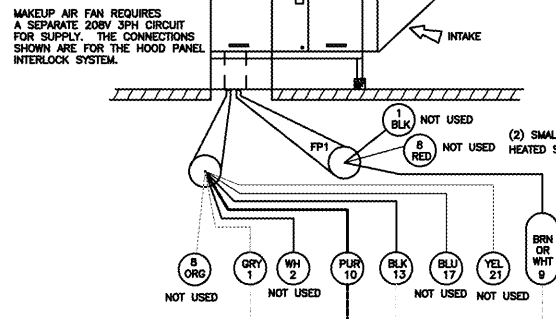
- 18GA BLK 14GA BLK 12GA BLK
- 18GA BLU 14GA BRN 12GA ORG
- 18GA BRN 14GA GRN 12GA RED
- 18GA GRN 14GA ORG
- 18GA GRY 14GA WHT
- 18GA ORG
- 18GA PUR
- 18GA WHT
- 18GA YEL



TIMER AND SWITCH MOUNTED IN LEFT END OF HOOD STACK COVER



CONSULT ELECTRICAL PLANS FOR SITE ELECTRICAL REQUIREMENTS OF BREAKER PANEL FOR THE EQUIPMENT UNDER THE HOOD

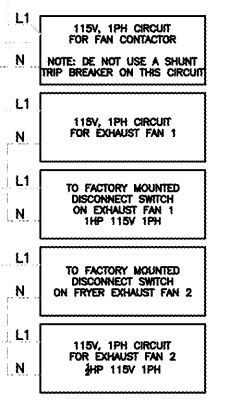
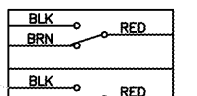
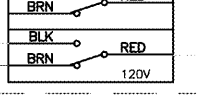


HOOD PANEL OPERATION

- HOODS ARE EQUIPPED WITH HEAT SENSORS WHICH INTERLOCK TO THE EXHAUST FANS. IF FAN SWITCH IS OFF AND COOKING EQUIPMENT IS TURNED ON, EXHAUST FAN WILL TURN ON. PANEL IS ALSO EQUIPPED WITH PROGRAMMABLE TIMER. THIS TIMER WILL TURN ON/OFF EXHAUST AND MAKEUP AIR FANS AT PROGRAMMED TIMES. SEE BELOW FOR DESCRIPTION OF INTERLOCK SYSTEM.
- NORMAL (NO FIRE) DURING OPERATING HOURS:**
- EXHAUST FAN(S) ON
 - MAKEUP AIR UNIT ON (HEAT WILL TURN ON ONLY IF OUTSIDE AIR TEMPERATURE IS 50°F OR BELOW)
 - COOKING EQUIPMENT RECEPTACLES HAVE VOLTAGE TO ALLOW FOR OPERATION
- ALARM (FIRE) DURING OPERATING HOURS:**
- EXHAUST FAN(S) REMAIN ON
 - MAKEUP AIR UNIT SHUTS OFF
 - ELECTRICAL POWER TO EQUIPMENT UNDER HOOD TURNS OFF
- NORMAL (NO FIRE) AFTER HOURS:**
- EXHAUST FAN(S) OFF
 - MAKEUP AIR UNIT OFF
 - HOODS EQUIPPED WITH HEAT SENSORS. IF COOKING EQUIPMENT IS TURNED ON, FAN WILL POWER ON.
- ALARM (FIRE) AFTER HOURS:**
- EXHAUST FAN(S) POWER ON
 - MAKEUP AIR UNIT REMAINS OFF
 - ELECTRICAL POWER TO EQUIPMENT UNDER HOOD REMAINS OFF

3 X HEAT SENSORS #502242 FACTORY MOUNTED IN HOOD COLLAR

MICROSWITCHES LOCATED IN ANSUL FIRE SYSTEM



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REV	DESCRIPTION	DATE	REV. BY	DATE	SCALE
1	ADDED SWITCH FOR BYPASS BY CS	5/7/2018	PW	3/22/2018	
2	REMOVED REMOTE TIMER BYPASS	6/20/2018	PW		

DRAWN BY: PW
 CHECKED BY: NNT
 PROJECT NAME: NNT
 PROJECT CLASS: REFERENCE
 SHEET NO: ELECT 300467 OF 2
 SCALE: 1:1
 DATE: CP2Q5SWRF
 PROJECT: MARSHALL AIR SYSTEMS IN OAK GROVE, KY
 TITLE: SCHEMATIC/WIRE MAP, CAPTAIN DS CDPL-44; HEATED

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