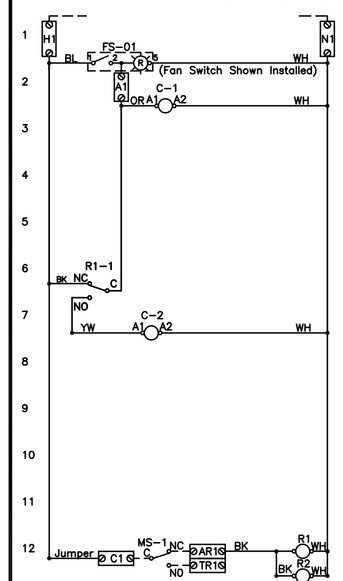
ELECTRICAL PACKAGES

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		ROOFTOP STARTERS	OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY			TYPE	ø	H.P.	VOLT	FLA
1		11111002	Utility Cabinet Right	Utility Cabinet Right	1 Light		Exhaust in Fire	Exhaust	1	1.000	115	14.0
				Hood # 1	1 Fan							
								Supply	1	0.500	115	8.0
2		11111002	Utility Cabinet Left	Utility Cabinet Left	1 Light		Exhaust in Fire	Exhaust	1	1.000	115	14.0
				Hood # 2	1 Fan							
								Supply	1	0.500	115	8.0

ELECTRICAL PREWIRE PACKAGE	JOB NAME *Demeris BBQ #1359060*	DATE *6/7/2011*
DRAWING NUMBER *11111002*	JOB NUMBER *1359060*	DRAWN BY

CONTROL INPUT 120VAC H1=LINE, N1=NEUTRAL 15A BKR – DO NOT WIRE TO SHUNT TRIP BREAKER

120V/1Ph, W/ 1 Exhaust Fan, 1 Supply Fan, Exhaust in Fire



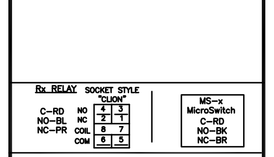
COMPONENT PARTS LIST

LABEL	DESCRIPTION
C-x	Contactor
ST-x	Starter
OL-x	Overload
FS-xx	Fan Switch (Lighted)
LS-xx	Light Switch
L	Hood Light(s)
MS-x	MicroSwitch (Ansul/PyroChem)
Rx	Relay DPDT – 34.110.0146.0 + Socket

SPARE FIRE DRY CONTACTS

SPARE RELAY CONTACTS USED WHEN FIRE SYSTEM DISCHARGES TO SHUT DOWN SHUNT TRIP, EQUIPMENT... OR PROVIDE SIGNALS.

Rx RELAY SOCKET STYLE "CLICK"



MOTOR	TAG	PH	VLT	HP	FLA	BRK
EXH-1		1	115	1	14	20A
SUP-2		1	115	0.5	8	15A

NOTES

– – – DENOTES FIELD WIRING
——— DENOTES INTERNAL WIRING

WIRE COLOR

BK – BLACK	YW – YELLOW		
BL – BLUE	GY – GRAY		
BR – BROWN	PR – PURPLE		
OR – ORANGE	OR/BL – ORANGE/BLUE (STRIPE)		
RD – RED	BL/RD – BLUE/RED (STRIPE)		
WH – WHITE	RD/GN – RED/GREEN (STRIPE)		

DRAWING SHOWN DE-ENERGIZED

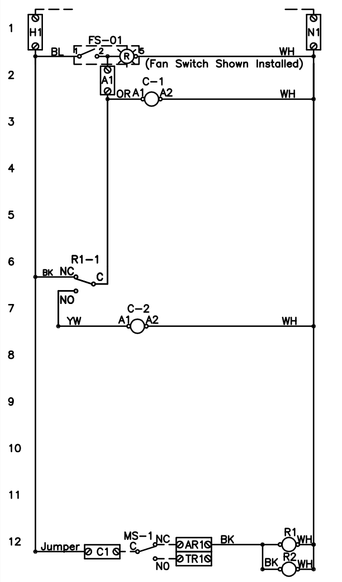
NOTE: IF WALL MOUNT PREWIRE, OR FIELD INSTALLED FIRE SYSTEM MICROSWITCH, THE TERMINALS SHOWING FACTORY WIRING MUST BE FIELD WIRED.

12 x 18 x 6 Box

ELECTRICAL PREWIRE PACKAGE	JOB NAME *Demeris BBQ #1359060*	DATE *6/7/2011*
DRAWING NUMBER *11111002*	JOB NUMBER *1359060*	DRAWN BY

CONTROL INPUT 120VAC H1=LINE, N1=NEUTRAL 15A BKR – DO NOT WIRE TO SHUNT TRIP BREAKER

120V/1Ph, W/ 1 Exhaust Fan, 1 Supply Fan, Exhaust in Fire



COMPONENT PARTS LIST

LABEL	DESCRIPTION
C-x	Contactor
ST-x	Starter
OL-x	Overload
FS-xx	Fan Switch (Lighted)
LS-xx	Light Switch
L	Hood Light(s)
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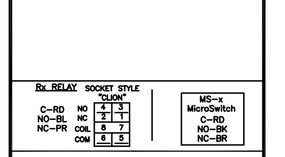

MOTOR	TAG	PH	VLT	HP	FLA	BRK
EXH-3		1	115	1	14	20A
SUP-4		1	115	0.5	8	15A

NOTES

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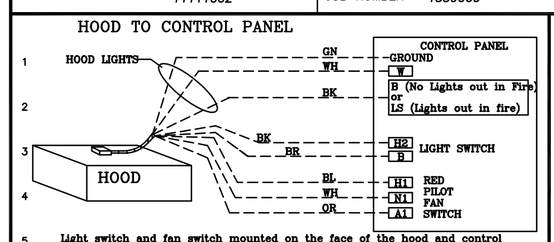
NOTE: IF WALL MOUNT PREWIRE, OR FIELD INSTALLED FIRE SYSTEM MICROSWITCH, THE TERMINALS SHOWING FACTORY WIRING MUST BE FIELD WIRED.

12 x 18 x 6 Box

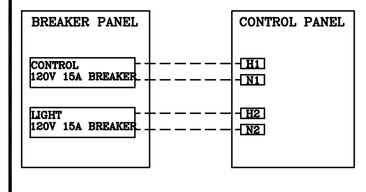
CONTROL PANEL INSTALLATION	JOB NAME *Demeris BBQ #1359060*	DATE *6/7/2011*
DRAWING NUMBER *11111002*	JOB NUMBER *1359060*	DRAWN BY

HOOD TO CONTROL PANEL

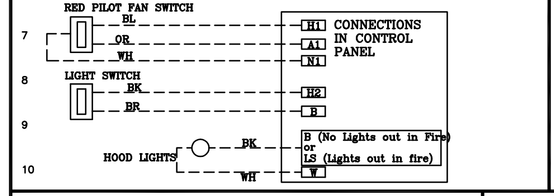


Light switch and fan switch mounted on the face of the hood and control panel mounted separately then field wire to the control panel as shown.

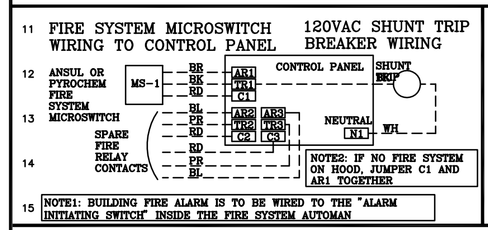
POWER FEED FOR CONTROLS AND LIGHTING



FIELD WIRED SWITCHES TO CONTROL PANEL

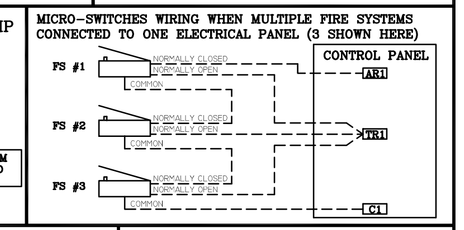


FIRE SYSTEM MICROSWITCH WIRING TO CONTROL PANEL



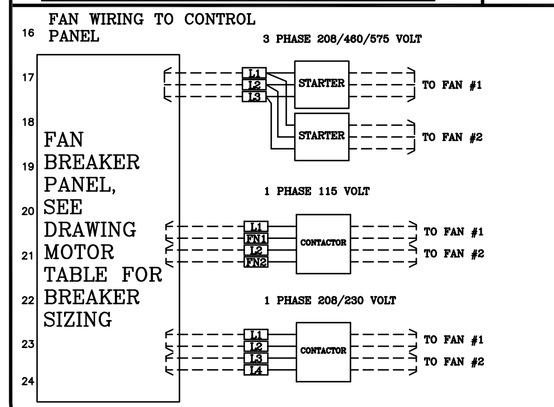
NOTE1: BUILDING FIRE ALARM IS TO BE WIRED TO THE "ALARM INITIATING SWITCH" INSIDE THE FIRE SYSTEM AUTOMAN

120VAC SHUNT TRIP BREAKER WIRING

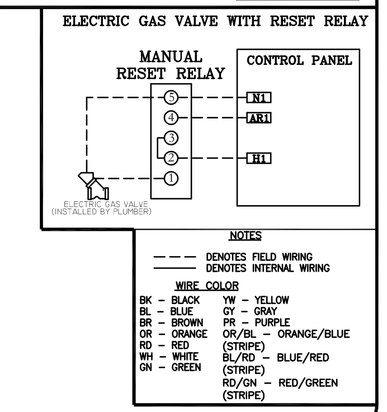


MICRO-SWITCHES WIRING WHEN MULTIPLE FIRE SYSTEMS CONNECTED TO ONE ELECTRICAL PANEL (3 SHOWN HERE)

FAN WIRING TO CONTROL PANEL



ELECTRIC GAS VALVE WITH RESET RELAY



NOTES

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WH – WHITE,	BL/RD – BLUE/RED		
GN – GREEN	(STRIPE)		
	RD/GN – RED/GREEN		
	(STRIPE)		

REVISIONS

	DESCRIPTION	DATE
△		
△		
△		
△		

CAPTIVE AIRE
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www.captiveaire.com

Demeris BBQ #1359060
HOUSTON, TX

DATE: 6/7/2011

DWG.#: 1359060

DRAWN BY: GAF

SCALE: 1/16

MASTER DRAWING

SHEET NO. 4

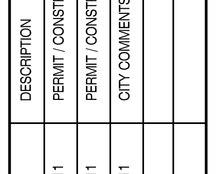
ISSUE	DATE	DESCRIPTION
	06/29/11	PERMIT / CONSTRUCTION
△	10/13/11	PERMIT / CONSTRUCTION
△	11/16/11	CITY COMMENTS

PROJECT:

CONSTRUCTION FOR
Demeris Barbecue

1702 West Loop North
Houston, Texas 77092

ENGINEER:



THIS SEAL WAS AUTHORIZED THIS DATE 11/16/11

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4727 MERWIN ST. SUITE B
HOUSTON, TEXAS 77027
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DATE	6/17/11
PROJECT#	11141
SCALE	as noted
DRAWN BY	---

SHEET NAME:
HOOD WIRING DIAGRAM

SHEET NUMBER:
E-5

1 HOOD WIRING DIAGRAM