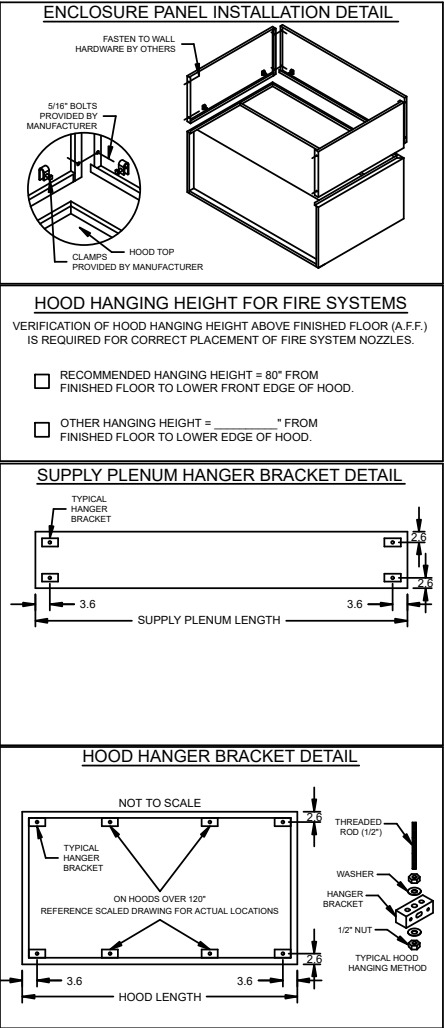
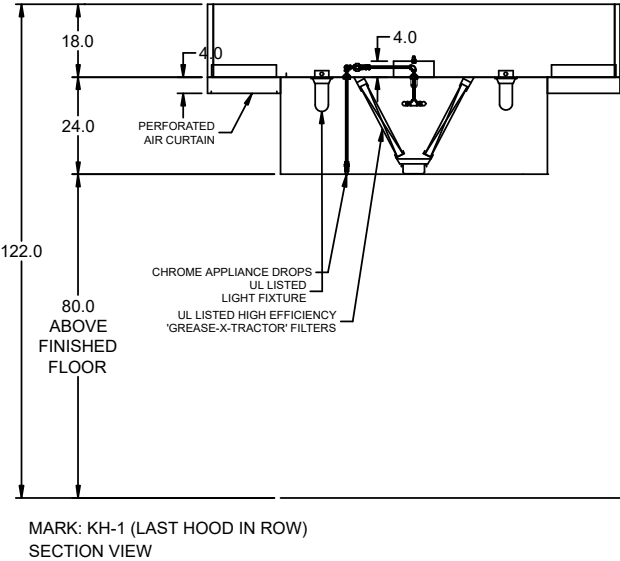
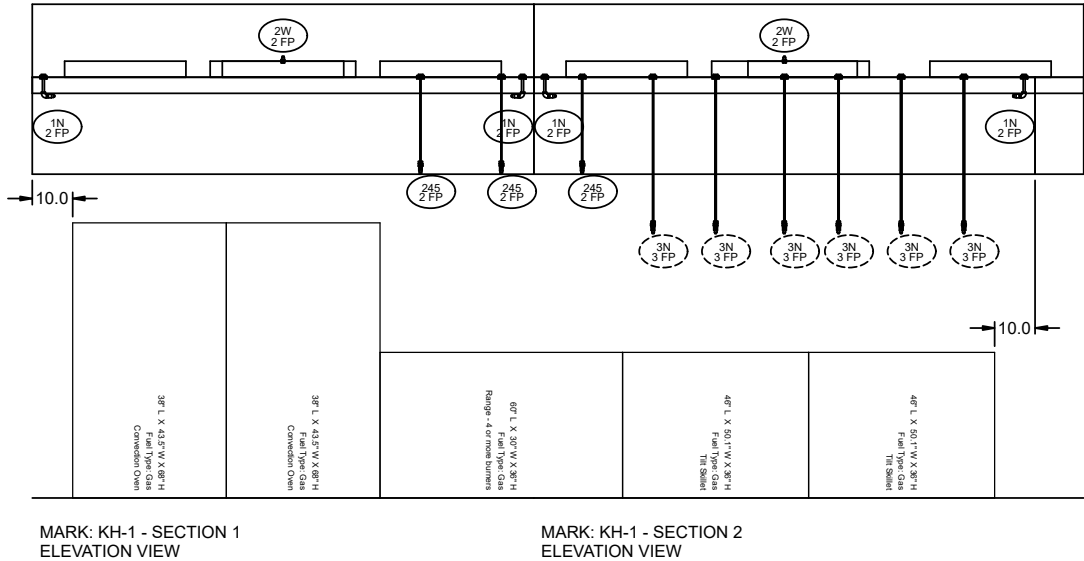
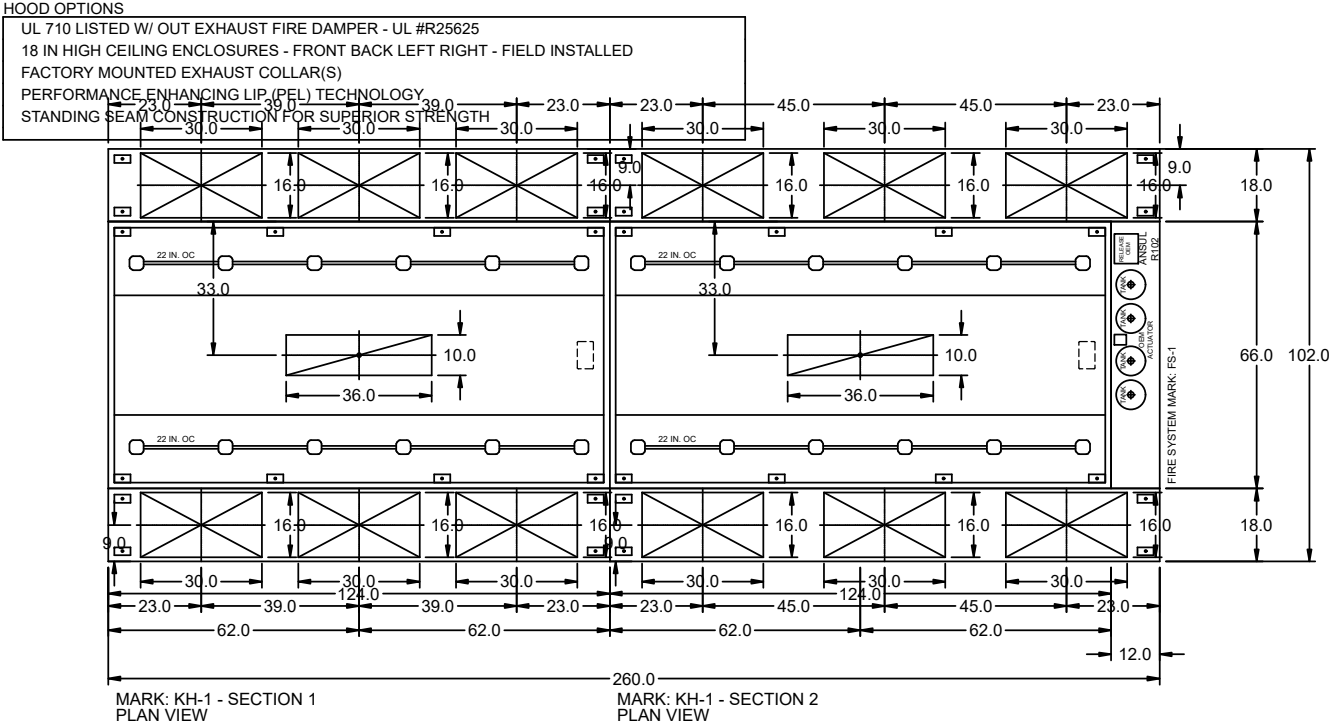


HOOD INFORMATION																	
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST						SUPPLY		TOTAL WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT			TOTAL CFM	COLLAR(S)					MUA CFM	AC CFM		
									WIDTH	LENGTH	DIA.	CFM	S.P.				
1	KH-1	XXEV-124-S	124	66	24	430 SS WHERE EXPOSED	HEAVY	5167	10	36		5167	0.838	3942		462.789	LEFT
2	KH-1	XXEV-124-S	124	66	24	430 SS WHERE EXPOSED	HEAVY	5167	10	36		5167	0.838	4324		462.789	RIGHT

HOOD INFORMATION													
HOOD NO.	MARK	LIGHTING DETAILS			GREASE FILTRATION DETAILS				UTILITY CABINET(S)				
		FIXTURE TYPE BULB / LAMP INFO	QTY	FOOT CANDLES	TYPE / MODEL MATERIAL	QTY	SIZE (IN.)		LOCATION	FIRE SYSTEM		CONTROLS	
							L	H			TYPE	SIZE	MODEL
1	KH-1	INCANDESCENT (GLOBE) 100W A19 (BULBS NOT INCL.)	12	69	X-TRACTOR STAINLESS STEEL	8	16	20					
						6	20						
2	KH-1	INCANDESCENT (GLOBE) 100W A19 (BULBS NOT INCL.)	12	69	X-TRACTOR STAINLESS STEEL	8	16	20	RIGHT	ANSUL R102	12		
						6	20						

SUPPLY PLENUM INFORMATION																				
HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)			INSULATED	DAMPER(S)	LED LIGHT(S)		TOTAL CFM	COLLARS								
				L	W	H			SUPPLIED	QTY		TYPE	MOUNTING	QTY	W	L	DIA.	CFM	S.P.	VEL.
1	KH-1	FRONT	ASP	124	18	4	NO	YES	NO		1971	MUA	FACTORY	3	16	30		657	0.17	197
1	KH-1	BACK	ASP	124	18	4	NO	NO	NO		1971	MUA	FACTORY	3	16	30		657	0.17	197
2	KH-1	FRONT	ASP	136	18	4	NO	YES	NO		2162	MUA	FACTORY	3	16	30		721	0.17	216
2	KH-1	BACK	ASP	136	18	4	NO	NO	NO		2162	MUA	FACTORY	3	16	30		721	0.17	216



ACCUREX AZ NM & EL PASO TX
VICTOR DELGADO
VICTOR.DELGADO@ACCUREX.COM
(602)738-9695

ACCUREX

TORNILLO ISD

KH-1

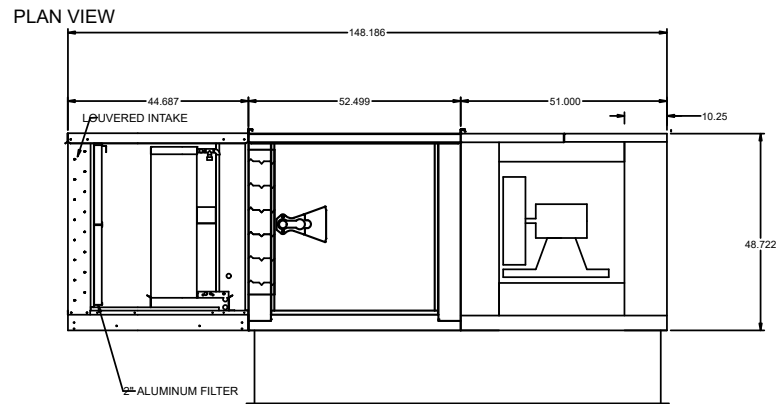
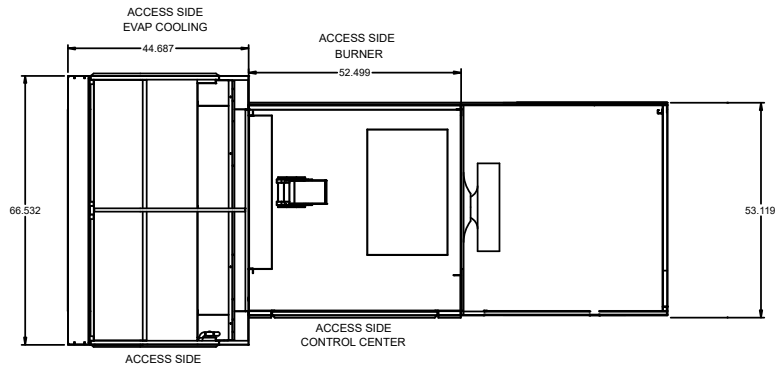


UL LISTED
CONSTRUCTION EQUIPMENT

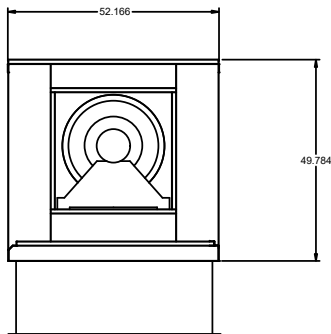
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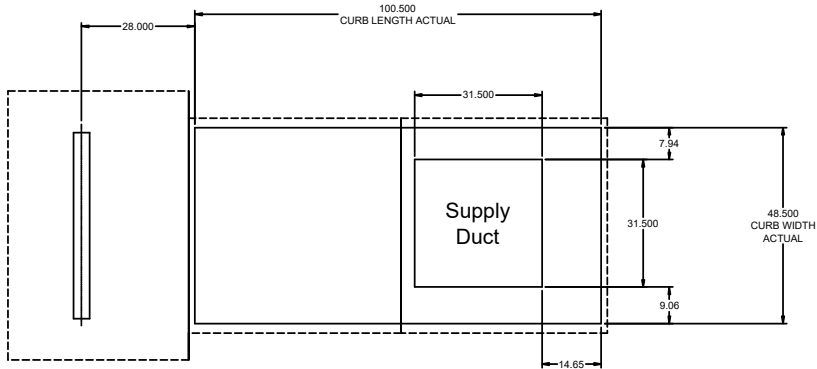
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ELEVATION VIEW



END VIEW

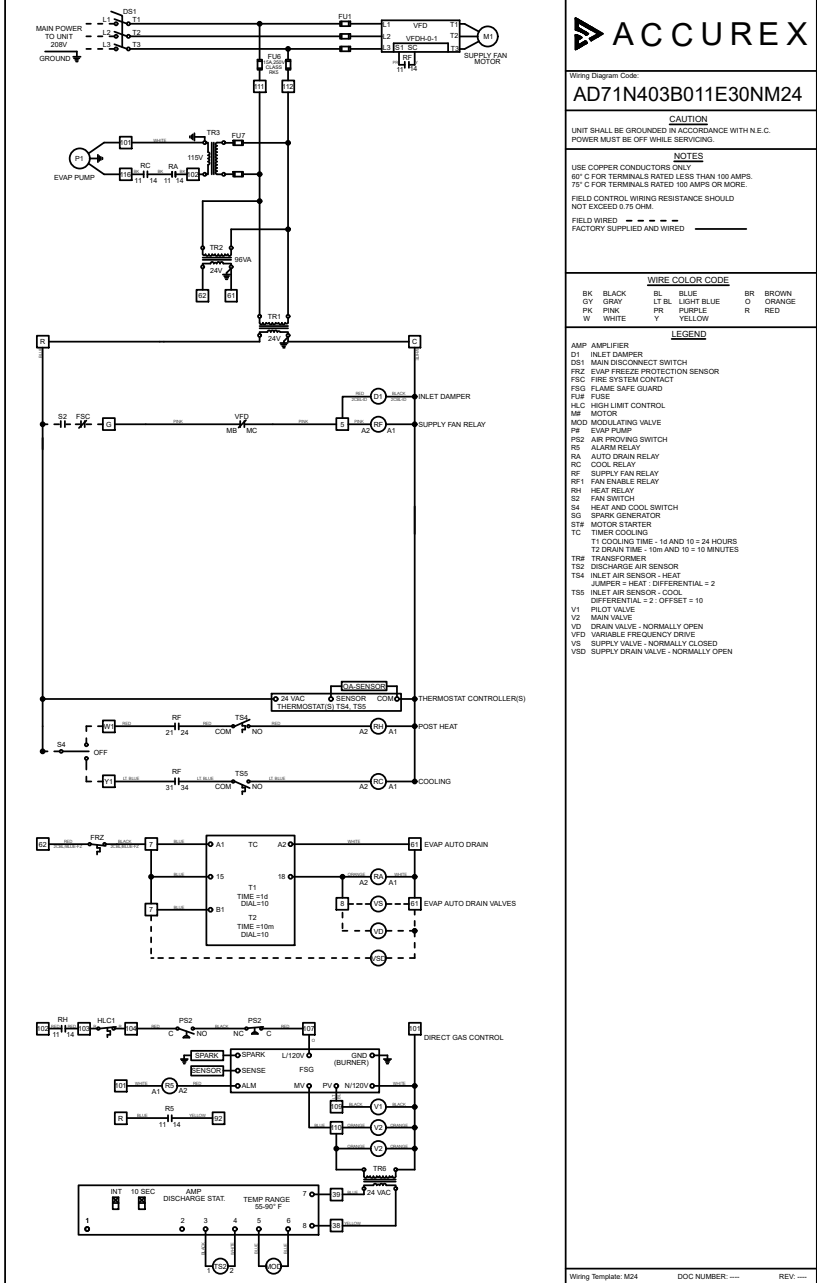


NOTE: Roof Opening Requirements:

Minimum Roof Opening: The minimum roof opening size is the illustrated duct diameter plus 0.25 in. on all sides. For example: If the duct size is 14 x 14 in. square, the minimum roof opening size is 14.5 x 14.5 in. square.

Maximum Roof Opening: There must be a minimum perimeter of 1.75 in. between the roof opening and the roof curb. For example: If the roof curb is 75 x 30 in. square, the maximum roof opening is 71.5 x 26.5 in. inches square.

NOTE: The weatherhood and filter sections of the make-up air unit are not supported by the curb. This is by design, in order to help alleviate water infiltration issues.

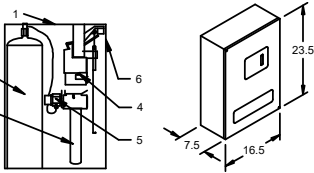


MARK	MODEL	LOCATION	FLOW POINTS		SUPPLY LINE	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM
			HOODS	PCU			
FS-1	ANSUL R-102 WET CHEMICAL	CABINET – RIGHT END OF KH-1	36 UTILIZED 44 AVAILABLE		CONTINUOUS	FUSIBLE LINK	KH-1 SECTION 1
							KH-1 SECTION 2

FULL INSTALLATION (INCLUDES PRE-PIPED HOOD(S) WITH DETECTION AND FACTORY COORDINATED INSTALL)
CHROME SLEEVES FOR FACTORY PROVIDED APPLIANCES DROPS - INCLUDED
METAL BLOW-OFF CAPS - INCLUDED
GAS VALVE - INCLUDED - ELECTRICAL SHUTOFF VALVE, 2", 110V, 60HZ - PART# ELECTRICSHUTOFFVALVE200
HOOD SUPPRESSION TANK - INCLUDED - 12 GAL. - [(4) 3.0 TANK(S)]
REMOTE PULL STATION - STANDARD - FIELD INSTALLATION AT SINGLE POINT OF EGRESS

CONTROL PANEL

1. STAINLESS STEEL ENCLOSURE
2. AGENT STORAGE TANK
3. EXPELLENT GAS CARTRIDGE
4. ANSUL AUTOMAN RELEASE
5. REGULATOR
6. KNOCKOUT FOR WIRING MICROSWITCH



NOTES:

WET CHEMICAL FIRE PROTECTION SYSTEM TO BE ANSUL R-102, DESIGNED IN COMPLIANCE WITH UL 300 REQUIREMENTS.

- VERIFICATION OF ALL COOKING EQUIPMENT MAKE, MODEL AND LOCATION REQUIRED FOR ALL FIRE PROTECTION SYSTEMS.
- ALL FIRE SYSTEM PIPING IS STANDARDLY TO THE RIGHT END OF THE HOOD UNLESS A WALL IS LOCATED ON THE RIGHT END.
- ANSUL AUTOMAN RELEASE TO BE LOCATED WITHIN 60" OF HOOD.

THE BASIC FIRE SYSTEM WILL INCLUDE THE FOLLOWING:

-GAS SHUT-OFF VALVE, IF REQUIRED, TO BE SUPPLIED BY MANUFACTURER (UP TO 2" DIAMETER AS STANDARD), AND INSTALLED BY A LICENSED PLUMBER.

-MICRO SWITCH TO BE SUPPLIED BY MANUFACTURER FOR CONNECTION TO, BUT NOT LIMITED TO, BUILDING ALARM SYSTEM(S), EXHAUST AND SUPPLY FANS AND ELECTRICAL POWER SHUT DOWN. FIELD WIRING AND CONNECTIONS TO BE PERFORMED BY A LICENSED ELECTRICIAN.

THE BASIC FIRE SYSTEM DOES NOT INCLUDE THE FOLLOWING:
-FULL DUMP TEST OTHER THAN WHT IS SPECIFIED PER THE INSTALLATION
MANUAL, OR TO SATISFY A STATE OR LOCAL CODE. PERMIT AND TESTING FEES
ARE NOT INCLUDED UNLESS NOTED UNDER THE EQUIPMENT SCHEDULE FOR
THE FIRE SYSTEM.

- MORE THAN TWO TRIPS TO THE JOBSITE OR SPECIAL TRANSPORTATION, OR OVERNIGHT LODGING REQUIREMENTS IN REMOTE AREAS. NORMAL TRAVEL DISTANCE.
- SPECIAL CLASSES OR ADDITIONAL LABOR FOR ACCESS TO SECURITY SENSITIVE AREAS.
- INSTALLATION OF GAS SHUT-OFF VALVE.
- SPECIAL DRAWINGS REQUIRED TO SATISFY STATE OR LOCAL CODE. PLAN EXAMINATION FEES, PE OR FS APPROVAL STAMP.
- EXCESSIVE DISMANTLEMENT LABOR, OR PRELIMING WAGES REQUIRED FOR FINAL FIELD HOOK-UP.
- AND ALL ELECTRICAL COMPONENTS/DEVICES NEEDED TO SHUT DOWN THE EQUIPMENT (ELECTRIC DISCONNECTS, LOCKING EQUIPMENT (SHUNT TRIP BREAKER), OR ACTIVATE AN ALARM SYSTEM, ETC., ANY DISMANTLING OR REASSEMBLY REQUIRED TO GAIN ACCESS TO THE FIRE SUPPRESSION PIPING LOCATED ON THE TOP OF THE HOOD.
- TOUGH-TO-REACH CONNECTIONS TO REMOTE PIPING OR GAS VALVE (FLUSH MOUNTED PIP. STATION).
- INSTALLATION OF MORE THAN (1) REMOTE PIP. STATIONS OR DISTANCES GREATER THAN 100 FEET.
- PARTS OR LABOR REQUIRED TO CORRECT PIPING DUE TO COOKING EQUIPMENT CHANGES OR DEVIATION FROM PLANS, OR ANY CHARGES FOR REPAIRS TO THE PIPING OTHER THAN THOSE INDICATED ON THE FIRE SUPPRESSION DETAIL.

DPTD SWITCHES PROVIDED BY MANUFACTURER MAY BE WIRED PER TYPICAL EXAMPLES SHOWN. VERIFY WITH LOCAL CODES AND EQUIPMENT SUPPLIED AS THE CONNECTION NEEDED FOR YOUR INSTALLATION.

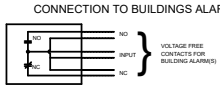


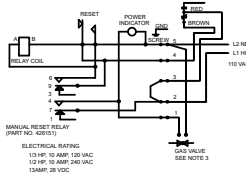
Diagram illustrating the wiring for a 120 VAC electric gas valve. The diagram shows a power source (120 VAC) connected to a shunt trip breaker. The breaker is labeled "POWER TO COOKING EQUIPMENT" and "SHUNT TRIP BREAKER". The wiring includes a ground connection (GND) and a neutral connection (N). The gas valve is labeled "ELECTRIC GAS VALVE - IF RESET RELAY IS USED SEE OPTION A OR B AT RIGHT; MECHANICAL SHUNT OFF VALVES DO NOT REQUIRE ELECTRICAL CONNECTION."

ELECTRICAL SHUT OFF

AND CONNECTION TO COOKING EQUIPMENT SHUT DOWN

* K1a AND K1b ARE N.O. WHEN K1 IS DE-ENERGIZED

ANSUL SNAP-ACTION SWITCH
(SWITCH CONTACTS SHOWN WITH ANSUL
AUTOMAN IN THE COCKED POSITION)



- NOTES:
1. _____ DENOTES FIELD INSTALLATION.
 2. _____ DENOTES FACTORY INSTALLATION.
 3. DO NOT USE BLACK WIRE ON SNAP-ACTION SWITCH IN NORMAL INSTALLATION. BLACK WIRE TO BE USED ONLY FOR EXTRANEIOUS ALARM, LIGHT CIRCUITS, ETC.

4. GAS VALVES: "UL LISTED ELECTRICALLY-OPERATED SAFETY VALVE FOR NATURAL, OR LP GAS AS NEEDED OF APPROPRIATE PRESSURE AND TEMPERATURE RATING, 110V/60 HZ" OR ANSUL GAS VALVES, PART NUMBERS 13707, 13708, 13709, 13710 AND 17643.


CONTROL INFORMATION

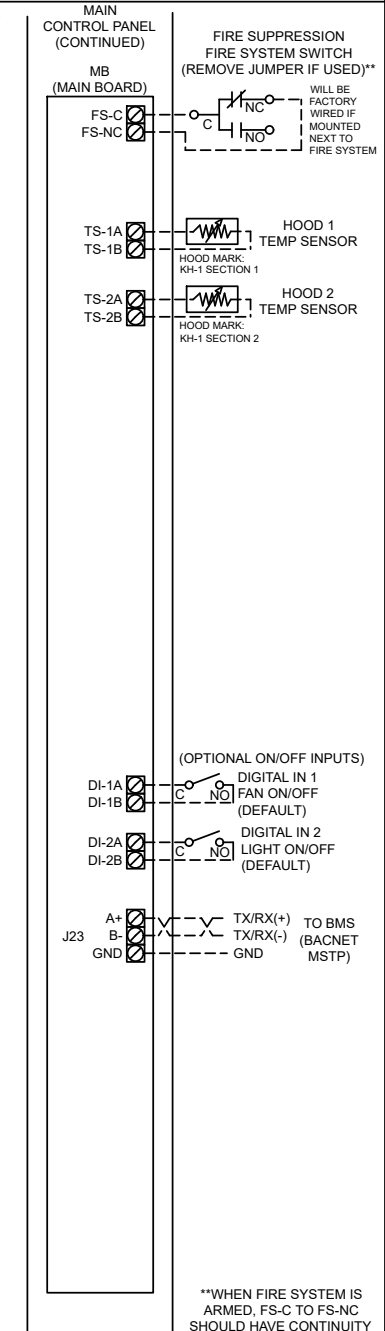
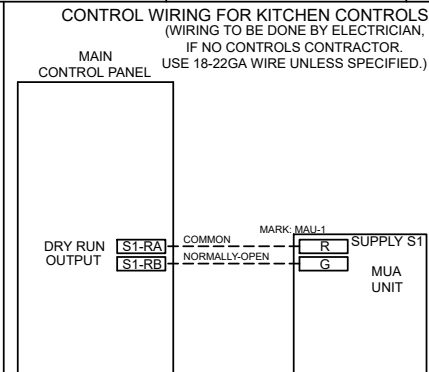
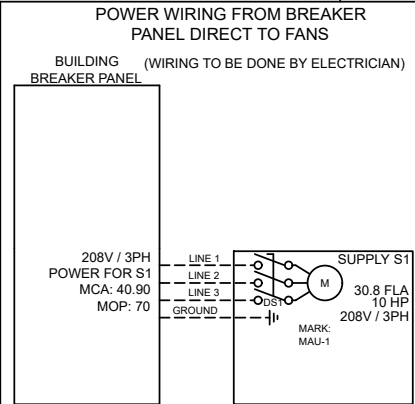
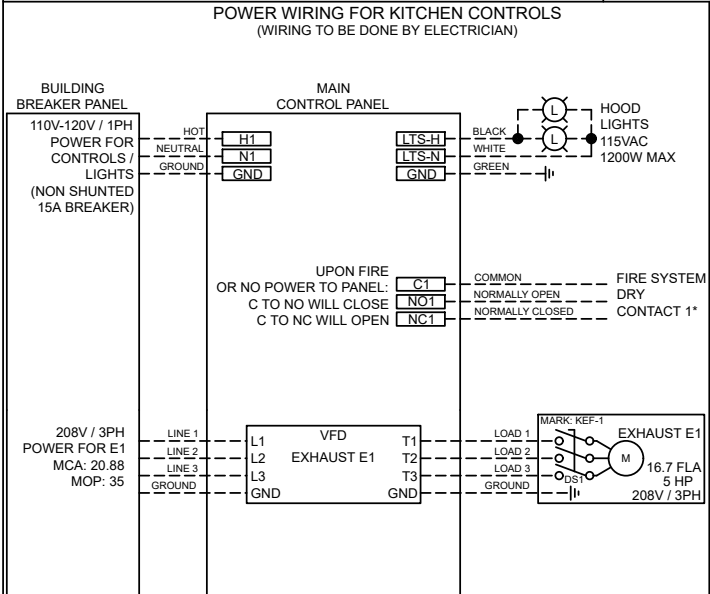
MARK	ELECTRICAL CONTROL PACKAGE		USER INTERFACE		FANS CONTROLLED											
	MODEL	LOCATION	TYPE	LOCATION	FAN #	TYPE	FAN	FAN MARK	ZONE	CFM	MOTOR HP	MOTOR VOLT	CYCLE	MOTOR PHASE	MOTOR STARTER IN PANEL	VFD IN PANEL
CC-1	XKC-CV-SB-11-2-1-0	SHIP LOOSE ENCLOSURE	FULL COLOR TOUCHSCREEN	FACE MOUNT ON CONTROL PACKAGE	1	EXHAUST	E1	KEF-1	1	10334	5	208	60	3	NO	YES
					2	SUPPLY	S1	MAU-1	1	8266	10	208	60	3	NO	NO

CONTROL FEATURES

HOOD LIGHT CONTROL
TEMP SENSORS (FACTORY INSTALLED) - QTY. 2
DRY FIRE CONTACTS - QTY. 1
LIGHTS OFF DURING FIRE
EXHAUST MAX DURING FIRE
SUPPLY OFF DURING FIRE
BMS INTEGRATION - BACNET MSTP
VFD(S) IN CONTROL PANEL PROVIDED FOR BALANCING



DOC NUMBER: ----		REV: ----	THESE DRAWINGS SHALL NOT BE REMOVED FROM THIS EQUIPMENT. USE COPPER CONDUCTORS RATED TO 90°C UNLESS SPECIFIED. TORQUE CONTROL & GROUND BLOCKS TO 8 LBS. IN. TORQUE POWER LUGS/SCREWS TO COMPONENT RATINGS LISTED. TORQUE CONTROL BOARD SCREW TERMINALS TO 3.5 LBS. IN. FIELD CONTROL WIRING RESISTANCE SHOULD NOT EXCEED 0.75 OHM. SEE IOM FOR ADDITIONAL INFORMATION, OR CALL FACTORY AT 1-800-371-6858.	NE PAS RETIRER CES DESSINS DE CET EQUIPEMENT SAUF INDICATION CONTRAIRE. UTILISER DES CONDUCTEURS EN CUIVRE CLASSÉS 90 °C. SERRER LES BORNES DE COMMANDE ET DE MISE À LA TERRE À 8 LB-PO. SERRER LES COSSÉS/VIS D'ALIMENTATION AUX COUPLES INDICUÉS POUR LE COMPOSANT. SERRER LES BORNES À VIS DE LA CARTE DE COMMANDE À 3.5 LB-PO. LA RÉSISTANCE DU CÂBLAGE DE COMMANDE LOCAL NE DOIT PAS DÉPASSER 0.75 OHM. POUR PLUS D'INFORMATION, CONSULTER LE MANUEL OU APPELER 1-800-371-6858	WIRING DIAGRAM CODE: WDC#
CAUTION UNIT MUST BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.		ATTENTION L'APPAREIL DOIT ÊTRE MIS À LA TERRE CONFORMÉMENT AU CODE C.E. L'ALIMENTATION DOIT ÊTRE COUPÉE DURANT L'ENTRETIEN.	JOB NAME: TORNILLO ISD		
 43BM		COMMERCIAL APPLIANCE OUTLET CENTER ELECTRICAL RATINGS: 110-240V,1PHASE, 50 -60HZ,15A BASE FILE #E200616, ML FILE #E313951	MODEL: XKC-CV-SB-11-2-1-0		
			SERIAL NUMBER: WDSN#		
			MARK: CC-1		



CABINET DETAILS

DRAWING NOT TO SCALE

18

20

9

TOTAL WEIGHT: 35 LBS

MOUNTING LOCATION: SHIP LOOSE ENCLOSURE

NOTES:
1) WHEN CONTROLS ARE MOUNTED IN HOOD-MOUNTED OR WALL-MOUNTED UTILITY CABINET, FOR HOOD OR WALL CABINET DIMENSIONS SEE HOOD SUBMITTAL.
2) MINIMUM OF 36" OF CLEARANCE RECOMMENDED IN FRONT OF CONTROL CABINET

USER INTERFACE DETAILS

MOUNTING TYPE
FACTORY MOUNTED:
FACE MOUNT ON CONTROL PACKAGE

USER INTERFACE CONTROL
FANS AND LIGHTS

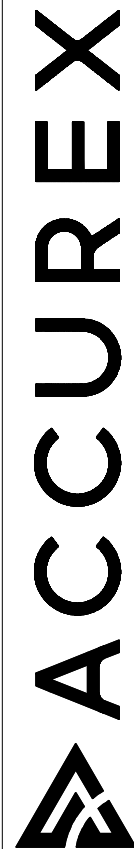
INTERFACE CABLE LENGTH
4FT (FACTORY PROVIDED)

ZONE CONFIGURATION								WIRING DIAGRAM CODE: WDC#									
ZONE #		ZONE	ROOM TEMP		JOB NAME: TORNILLO ISD												
1		Z1	PRESET														
HOOD CONFIGURATION								DEFAULT SETTINGS / PARAMÈTRES PAR DÉFAUT									
HOOD #		HOOD	HOOD MARK		ZONE	EXHAUST	SUPPLY	MB-TEMP SENSORS		HCB	FACTORY SETTINGS						
1		H1	KH-1 SECTION 1		Z1	E1	S1	TS1		NO	TYPE: CV CONFIGURATION: STANDARD ZONES: 1 HOODS: 2 SUMPS: 0 EXHAUST FANS: 1 SUPPLY FANS: 1 MB ROOM SENSOR: NO MB TEMP SENSORS: 2 HIGH TEMP FAULT: NO FREEZE PROTECTION: YES GAS RESET: NO FAN PROVING: NO BMS: BACNET MSTP						
2		H2	KH-1 SECTION 2		Z1	E1	S1	TS2		NO	ZONE SETTINGS SEE ZONE CONFIGURATION IN TABLE ON LEFT HOOD SETTINGS SEE HOOD CONFIGURATION IN TABLE ON LEFT EXHAUST FAN SETTINGS SEE FAN CONFIGURATION IN TABLE ON LEFT SUPPLY FAN SETTINGS SEE FAN CONFIGURATION IN TABLE ON LEFT SENSOR SETTINGS SEE HOOD CONFIGURATION IN TABLE ON LEFT USER INTERFACE SETTINGS (MB) FAN & LIGHT BUTTONS: SHOW BOTH (SEPERATE) USER INTERFACE SETTINGS (HCB) NA GENERAL SETTINGS TIME ZONE: CENTRAL DAYLIGHT (DEFAULT) FIRE/FAULT SETTINGS EXHAUST DURING FIRE: MAX SUPPLY DURING FIRE: OFF LIGHTS DURING FIRE: OFF BMS SETTINGS BAUD RATE: 9600 MAC ADDRESS: 0 MAX MASTER: 127 MAX INFO FRAMES: 20						
PRG VERSION: V4																	
FAN CONFIGURATION																	
FAN #	TYPE	FAN	FAN MARK		ZONE	MIN CFM	MAX CFM	MODBUS VFD	VFD ADDRESS	MIN FREQ	MAX FREQ	MIN VDC	MAX VDC				
1	EXHAUST	E1	KEF-1		Z1	-	10334	YES	1	30	60	-	-				
2	SUPPLY	S1	MAU-1		Z1	-	8266	NO	-	-	-	-	10.0				

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CC-1