

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				
1	HOOD 1	XXEW-102-S	102	66	24	300 SS 100%	MEDIUM	1700	10	16		1700	0.558	1615		308.85	LEFT
2	HOOD 1	XXEW-102-S	102	66	24	300 SS 100%	HEAVY	1700	10	16		1700	0.558	1445		308.85	RIGHT

HOOD INFORMATION

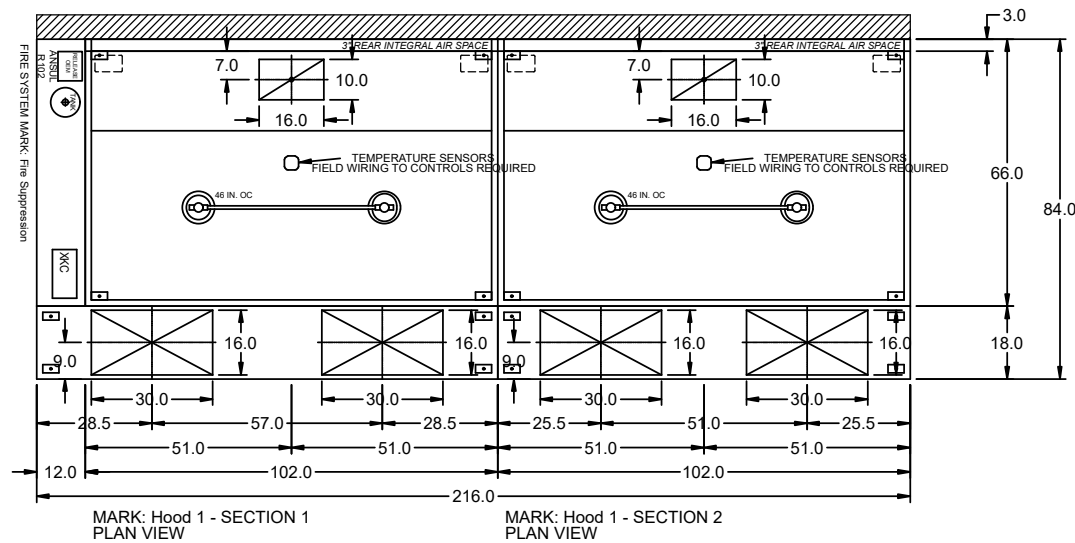
HOOD NO.	MARK	LIGHTING DETAILS			GREASE FILTRATION DETAILS			UTILITY CABINET(S)					
		FIXTURE TYPE	BULB / LAMP INFO	QTY	FOOT CANDLES	TYPE / MODEL MATERIAL	QTY	SIZE (IN.) L H	LOCATION	FIRE SYSTEM		CONTROLS	
1	HOOD 1	ROUND LED		2	63.95	X-TRACTOR STAINLESS STEEL	1	5 16 20	LEFT	ANSUL R102	3	XKC	TOUCHSCREEN
2	HOOD 1	ROUND LED		2	63.95	X-TRACTOR STAINLESS STEEL	1	5 16 20					

SUPPLY PLENUM INFORMATION

HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)			INSULATED	DAMPER(S)	LED LIGHT(S)		TOTAL CFM	TOTAL S.P.	COLLARS						
				L	W	H			SUPPLIED	QTY			TYPE	MOUNTING	QTY	W	L	DIA.	CFM
1	HOOD 1	FRONT	ASP	114	18	4	NO	YES	NO		1615	0.01	MUA	FACTORY	2	16	30	808	242
2	HOOD 1	FRONT	ASP	102	18	4	NO	YES	NO		1445	0.01	MUA	FACTORY	2	16	30	723	217

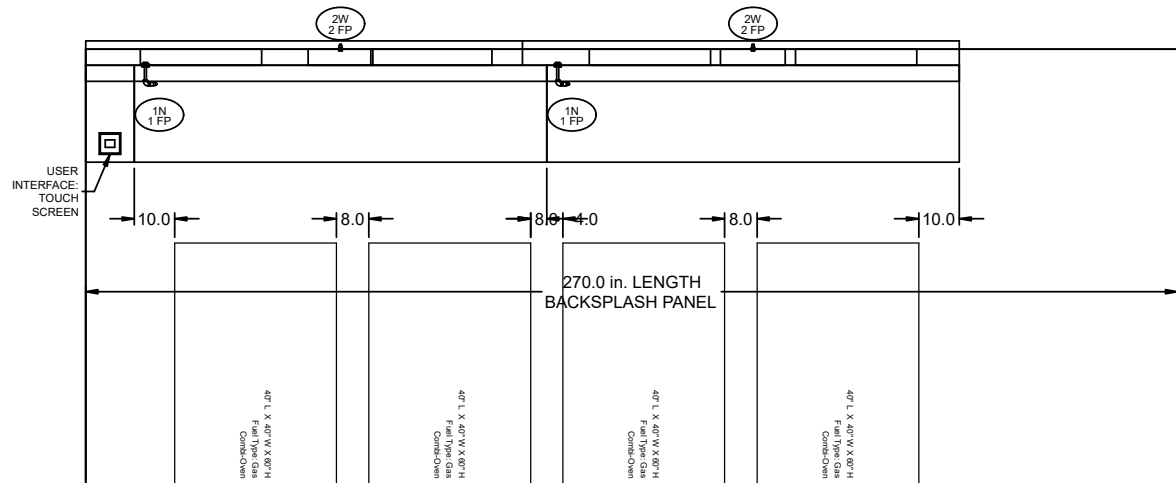
HOOD OPTIONS

UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625  
 BACK INTEGRAL AIR SPACE - 3 IN WIDE  
 6 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED  
 CONTINUOUS CAPTURE  
 FACTORY MOUNTED EXHAUST COLLAR(S)  
 FILTER REMOVAL TOOL INCLUDED - QTY 1  
 BACKSPLASH 108.00 IN HIGH 270.00 IN LONG  
 PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY  
 STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH



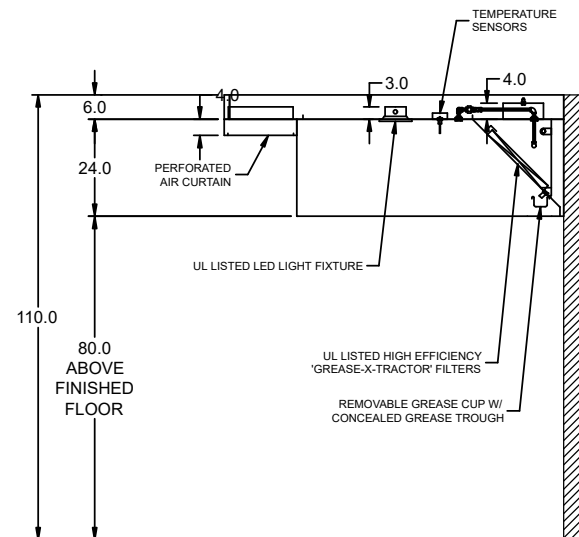
MARK: Hood 1 - SECTION 1 PLAN VIEW

MARK: Hood 1 - SECTION 2 PLAN VIEW

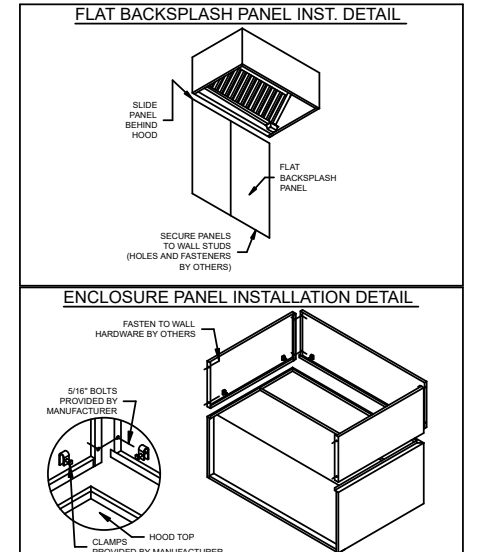


MARK: Hood 1 - SECTION 1 ELEVATION VIEW

MARK: Hood 1 - SECTION 2 ELEVATION VIEW

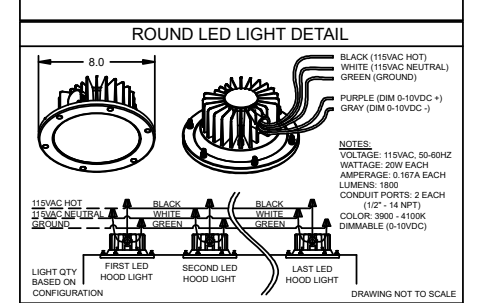
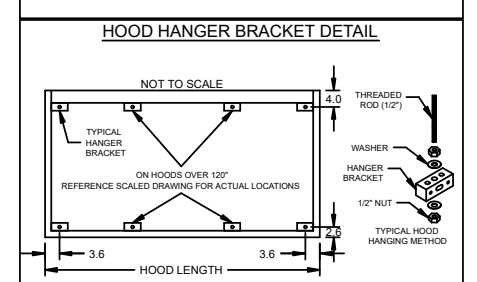
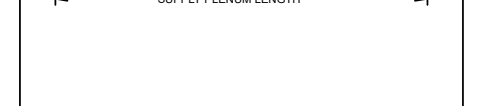
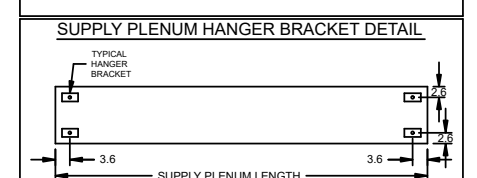


MARK: Hood 1 (LAST HOOD IN ROW) SECTION VIEW



**HOOD HANGING HEIGHT FOR FIRE SYSTEMS**  
 VERIFICATION OF HOOD HANGING HEIGHT ABOVE FINISHED FLOOR (A.F.F.) IS REQUIRED FOR CORRECT PLACEMENT OF FIRE SYSTEM NOZZLES.

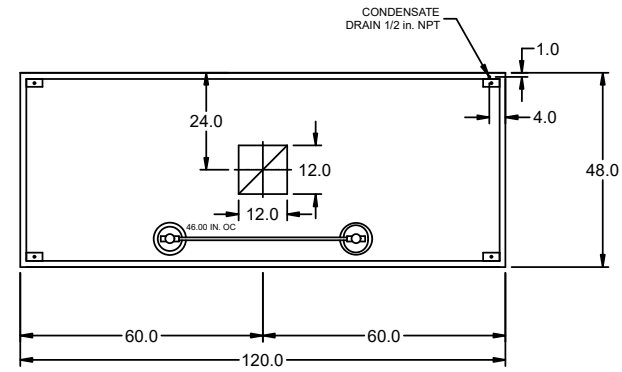
- RECOMMENDED HANGING HEIGHT = 80" FROM FINISHED FLOOR TO LOWER FRONT EDGE OF HOOD.
- OTHER HANGING HEIGHT = \_\_\_\_\_" FROM FINISHED FLOOR TO LOWER EDGE OF HOOD.



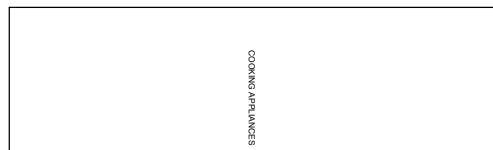
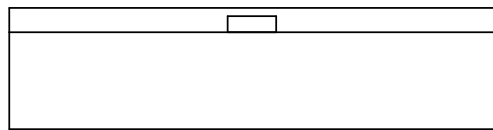
HOOD INFORMATION																	
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST COLLAR(S)					SUPPLY		TOTAL WEIGHT LBS.	SECTION LOCATION	
			LENGTH	WIDTH	HEIGHT			TOTAL CFM	WIDTH	LENGTH	DIA.	CFM	S.P.	MUA CFM			AC CFM
1	HOOD 2 - CONDENSATE	XD1-120-S	120.0	48	24	300 SS 100%		1500	12	12		1500	0.27			194	SINGLE

HOOD INFORMATION														
HOOD NO.	MARK	LIGHTING DETAILS			BAFFLE FILTRATION DETAILS			UTILITY CABINET(S)						
		FIXTURE TYPE BULB / LAMP INFO	QTY	FOOT CANDLES	TYPE / MODEL MATERIAL	QTY	SIZE (IN.) L H	LOCATION	FIRE SYSTEM		CONTROLS			
									TYPE	SIZE	MODEL	INTERFACE		
1	HOOD 2 - CONDENSATE	ROUND LED	2	61.06										

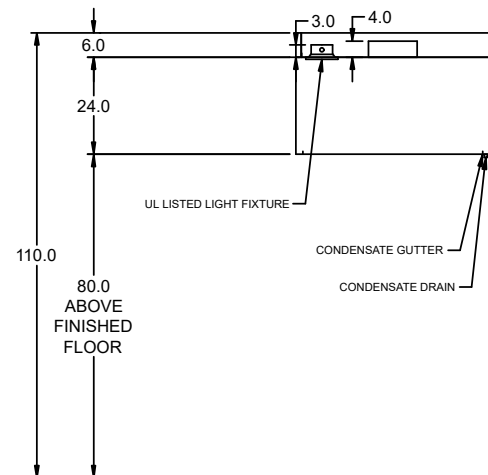
HOOD OPTIONS  
 6 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED  
 FACTORY MOUNTED EXHAUST COLLAR(S)



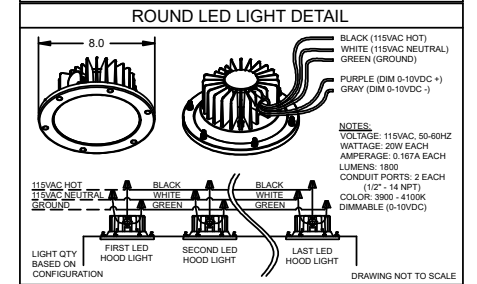
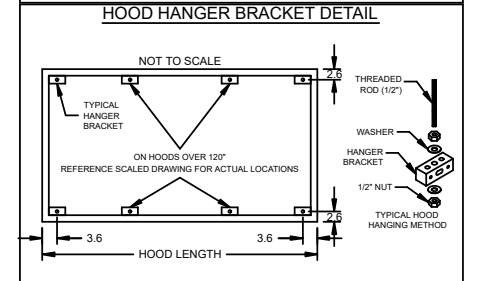
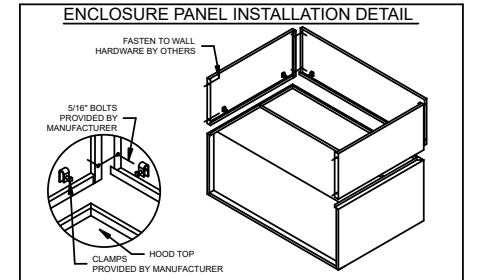
MARK: Hood 2 - Condensate - SECTION 1  
 PLAN VIEW



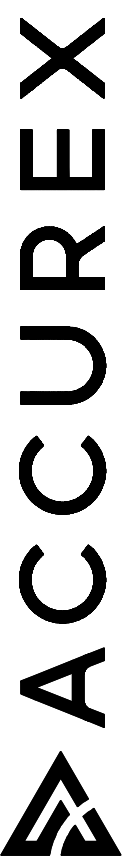
MARK: Hood 2 - Condensate - SECTION 1  
 ELEVATION VIEW



MARK: Hood 2 - Condensate  
 SECTION VIEW



PROJECT: 5/17/2023  
 MARK: HOOD 2 - CONDENSATE  
 ACCUREX W/L/A  
 BRAD BORCHARDT  
 BRAD.BORCHARDT@ACCUREX.COM  
 (262)227-7865



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			
1	HOOD 3 - CULINARY	XXEW-90-S	90	66	24	300 SS 100%	HEAVY	1700	10	16	1700	0.633	1434		278.507	LEFT
2	HOOD 3 - CULINARY	XXEW-90-S	90	66	24	300 SS 100%	HEAVY	1700	10	16	1700	0.633	1626		278.507	RIGHT

HOOD INFORMATION

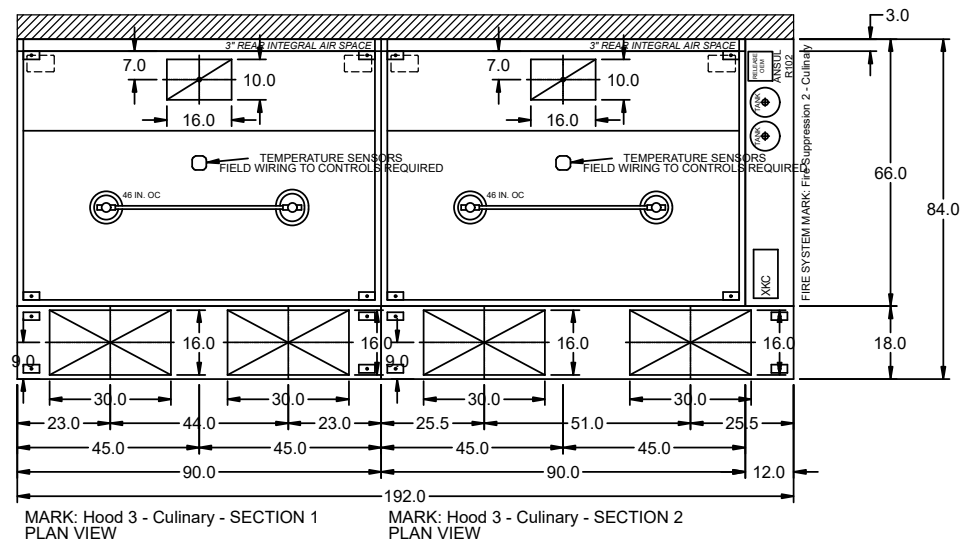
HOOD NO.	MARK	LIGHTING DETAILS			GREASE FILTRATION DETAILS			UTILITY CABINET(S)				
		FIXTURE TYPE BULB / LAMP INFO	QTY	FOOT CANDLES	TYPE / MODEL MATERIAL	QTY	SIZE (IN.) L H	LOCATION	FIRE SYSTEM		CONTROLS	
1	HOOD 3 - CULINARY	ROUND LED	2	66.11	X-TRACTOR STAINLESS STEEL	2	3 16 20				TOUCHSCREEN	
2	HOOD 3 - CULINARY	ROUND LED	2	66.11	X-TRACTOR STAINLESS STEEL	2	3 16 20	RIGHT	ANSUL R102	6	XKC	

SUPPLY PLENUM INFORMATION

HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)			INSULATED	DAMPER(S)	LED LIGHT(S)		TOTAL CFM	TOTAL S.P.	COLLARS						
				L	W	H			SUPPLIED	QTY			TYPE	MOUNTING	QTY	W	L	DIA.	CFM
1	HOOD 3 - CULINARY	FRONT	ASP	90	18	4	NO	YES	NO		1434	0.01	MUA	FACTORY	2	16	30	717	215
2	HOOD 3 - CULINARY	FRONT	ASP	102	18	4	NO	YES	NO		1626	0.01	MUA	FACTORY	2	16	30	813	244

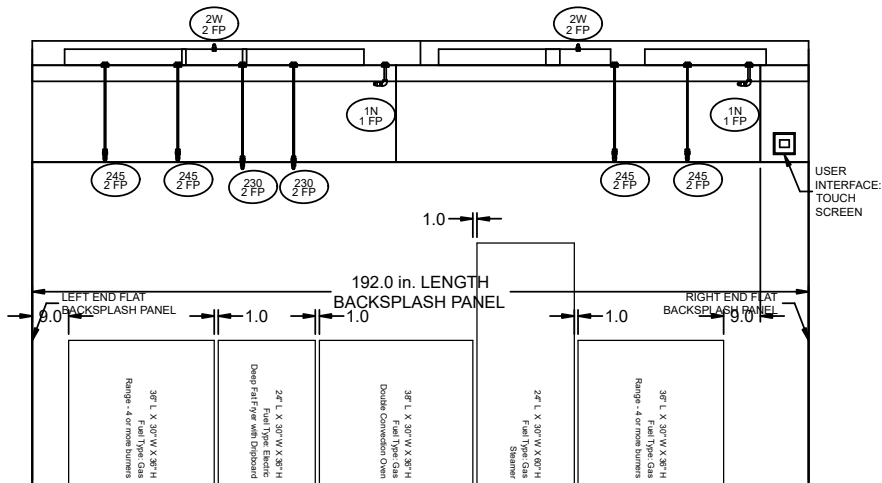
HOOD OPTIONS

UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625  
 BACK INTEGRAL AIR SPACE - 3 IN WIDE  
 6 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED  
 CONTINUOUS CAPTURE  
 FACTORY MOUNTED EXHAUST COLLAR(S)  
 BACKSPLASH 80.00 IN HIGH 192.00 IN LONG  
 LEFT SIDESPLASH 108.00 IN HIGH 18.00 IN LONG  
 RIGHT SIDESPLASH 108.00 IN HIGH 18.00 IN LONG  
 PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY  
 STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH



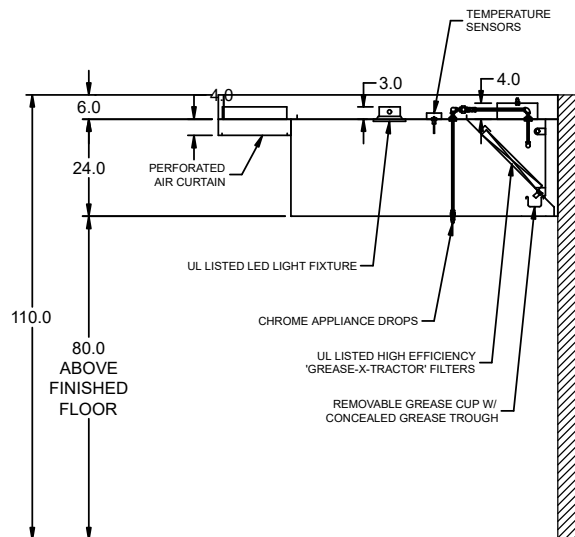
MARK: Hood 3 - Culinary - SECTION 1 PLAN VIEW

MARK: Hood 3 - Culinary - SECTION 2 PLAN VIEW

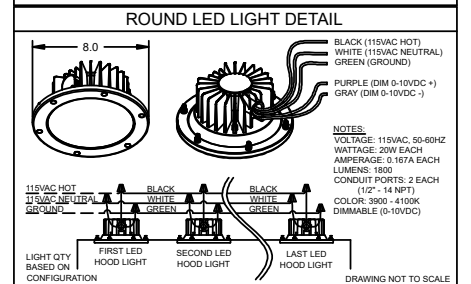
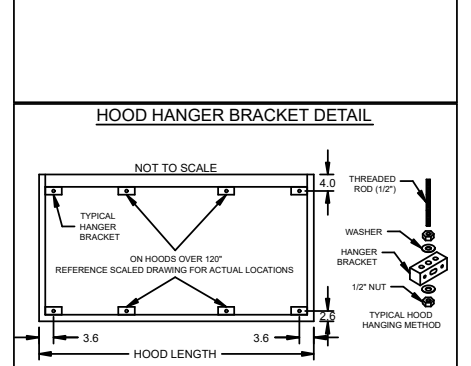
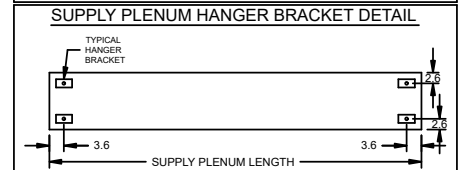
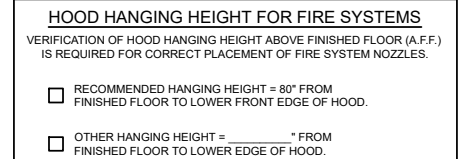
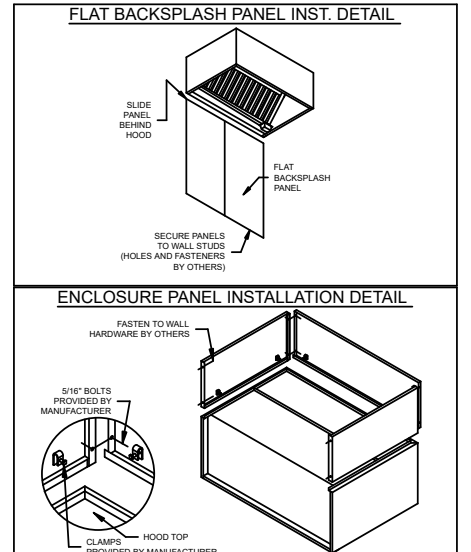


MARK: Hood 3 - Culinary - SECTION 1 ELEVATION VIEW

MARK: Hood 3 - Culinary - SECTION 2 ELEVATION VIEW



MARK: Hood 3 - Culinary (LAST HOOD IN ROW) SECTION VIEW

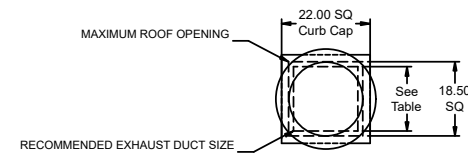


Direct Drive Upblast Centrifugal Roof Exhaust Fan

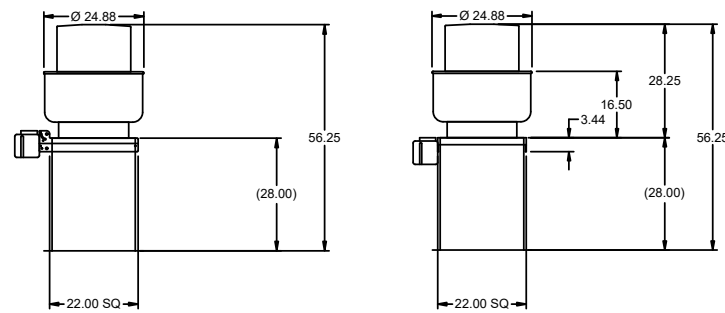
MARK INFORMATION		FAN INFORMATION						MOTOR INFORMATION					
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	Exhaust Fan 1.1	XCUE-130-VG	1,700	1	1,663	0.53	79	0.75	115/60/1	OP	1725	1	13.8

\*NEC FLA - Based on table 430.250 or 430.248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"

Exhaust Fan 1.1 : SELECTED OPTIONS AND ACCESSORIES	
One piece fully welded windband	
Tapered bushing wheel hub	
Breather tube outlet area min. 4.4 sq. in. (sizes 99-480), 2.0 sq. in. (sizes 60-95)	
Min. windband material thickness: 0.051" aluminum (060-240), 0.064" aluminum (240HP, 240XP), 0.080" aluminum (sizes 300-480)	
Larger Curb Cap Size - 22 Square	
UL/cUL 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762)	
Switch, NEMA-3R, Toggle, Shipped with Unit	
Hinge, Factory Installed	
High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)	
Grease Trap (PN 475538)	

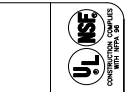
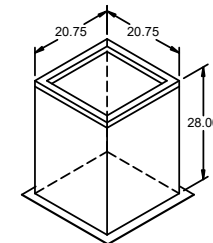


DUCT TYPE	SIZE
STANDARD	16 SQ
FIRE-WRAPPED	8 SQ



DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB. CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.

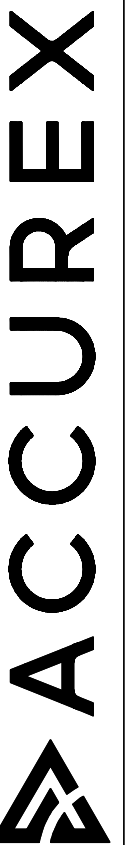
OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR HINGE BASE.



PLATTEVILLE HIGH SCHOOL

PROJECT  
5/17/2023

MARK  
ACCUREX WIIA  
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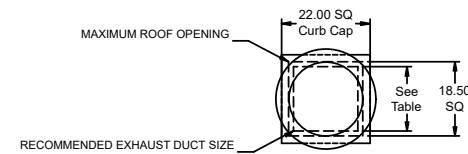
EXHAUST FAN 1.1

Direct Drive Upblast Centrifugal Roof Exhaust Fan

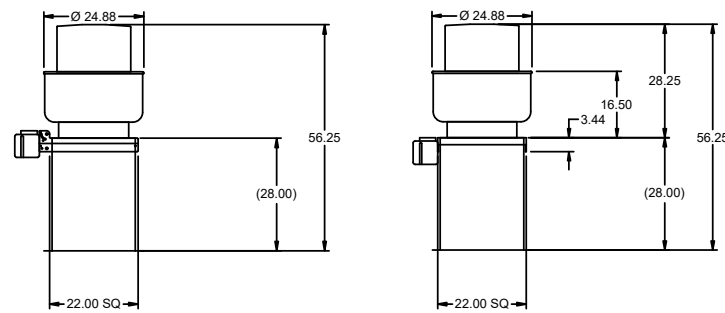
MARK INFORMATION		FAN INFORMATION						MOTOR INFORMATION					
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	Exhaust Fan 1.2	XCUE-130-VG	1,700	1	1,663	0.53	79	0.75	115/60/1	OP	1725	1	13.8

\*NEC FLA - Based on table 430.250 or 430.248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"

Exhaust Fan 1.2 - SELECTED OPTIONS AND ACCESSORIES	
One piece fully welded windband	
Tapered bushing wheel hub	
Breather tube outlet area min. 4.4 sq. in. (sizes 99-480), 2.0 sq. in. (sizes 60-95)	
Min. windband material thickness: 0.051" aluminum (060-240), 0.064" aluminum (240HP, 240XP), 0.080" aluminum (sizes 300-480)	
Larger Curb Cap Size - 22 Square	
UL/cUL 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762)	
Switch, NEMA-3R, Toggle, Shipped with Unit	
Hinge, Factory Installed	
High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)	
Grease Trap (PN 475538)	

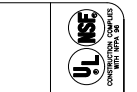
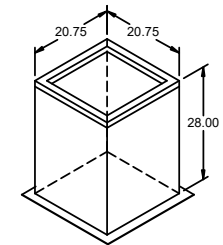


DUCT TYPE	SIZE
STANDARD	16 SQ
FIRE-WRAPPED	8 SQ



DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB. CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.

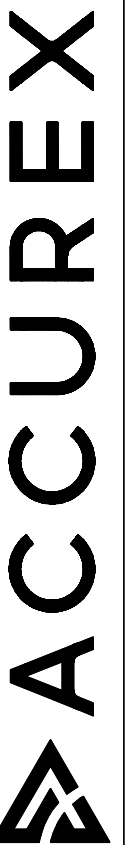
OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR HINGE BASE.



PLATTEVILLE HIGH SCHOOL

PROJECT  
5/17/2023

MARK  
ACCUREX WIIA  
BRAD BORCHARDT  
BRAD.BORCHARDT@ACCUREX.COM  
(262)227-7865



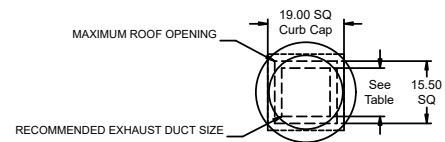
EXHAUST FAN 1.2

Direct Drive Upblast Centrifugal Roof Exhaust Fan

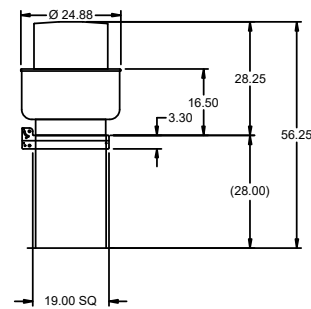
MARK INFORMATION		FAN INFORMATION						MOTOR INFORMATION					
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	Exhaust Fan 2 - Condensate	XCUE-120-VG	1,500	0.5	1,490	0.29	65	0.5	115/60/1	OP	1725	1	9.8

\*NEC FLA - Based on table 430.250 or 430.248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"

Exhaust Fan 2 - Condensate : SELECTED OPTIONS AND ACCESSORIES	
One piece fully welded windband	
Tapered bushing wheel hub	
Breather tube outlet area min. 4.4 sq. in. (sizes 99-480), 2.0 sq. in. (sizes 60-95)	
Min. windband material thickness: 0.051" aluminum (060-240), 0.064" aluminum (240HP, 240XP), 0.080" aluminum (sizes 300-480)	
Standard Curb Cap Size - 19 Square	
UL/cUL 705 Listed - "Power Ventilators"	
Switch, NEMA-1, Toggle, Shipped with Unit	
Hinge, Factory Installed	
Foam Curb Seal (Factory Applied)	
Damper Shipped Loose, BD-100-PB-12X12, Gravity Operated, Not Coated, Nominal Size	

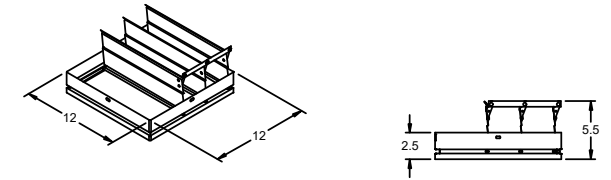


DUCT TYPE	SIZE
STANDARD	12 SQ
FIRE-WRAPPED	8 SQ



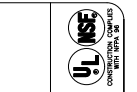
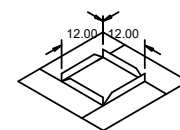
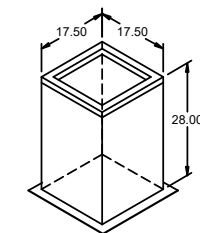
DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB. CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.

OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR HINGE BASE.



DAMPER

TYP. SECTION VIEW

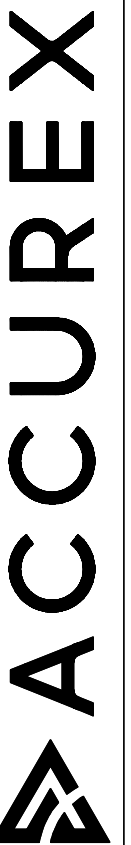


PLATTEVILLE HIGH SCHOOL

PROJECT  
5/17/2023

MARK  
EXHAUST FAN 2 - CONDENSATE

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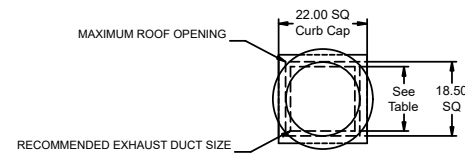
Direct Drive Upblast Centrifugal Roof Exhaust Fan

MARK INFORMATION		FAN INFORMATION						MOTOR INFORMATION					
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	Exhaust Fan 3.1 - Culinary	XCUE-130-VG	1,700	1	1,663	0.53	79	0.75	115/60/1	OP	1725	1	13.8

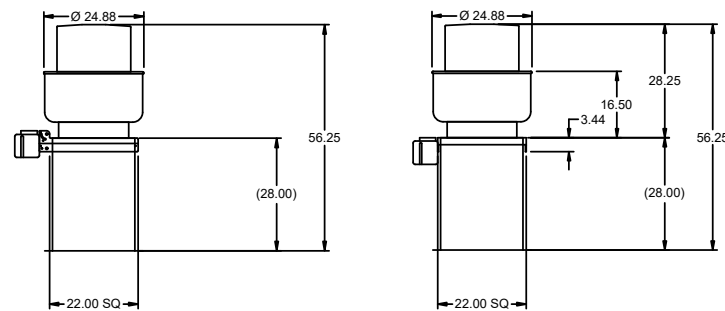
\*NEC FLA - Based on table 430.250 or 430.248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"

Exhaust Fan 3.1 - Culinary : SELECTED OPTIONS AND ACCESSORIES

One piece fully welded windband  
 Tapered bushing wheel hub  
 Breather tube outlet area min. 4.4 sq. in. (sizes 99-480), 2.0 sq. in. (sizes 60-95)  
 Min. windband material thickness: 0.051" aluminum (060-240), 0.064" aluminum (240HP, 240XP), 0.080" aluminum (sizes 300-480)  
 Larger Curb Cap Size - 22 Square  
 UL/cUL 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762)  
 Switch, NEMA-3R, Toggle, Shipped with Unit  
 Hinge, Factory Installed  
 High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)  
 Grease Trap (PN 475538)

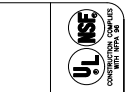
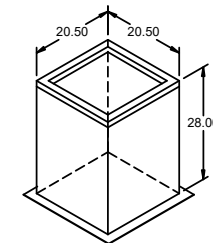


DUCT TYPE	SIZE
STANDARD	16 SQ
FIRE-WRAPPED	8 SQ



DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB. CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.

OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR HINGE BASE.

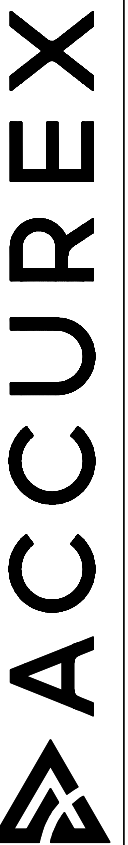


PLATTEVILLE HIGH SCHOOL

PROJECT  
5/17/2023

MARK  
EXHAUST FAN 3.1 - CULINARY

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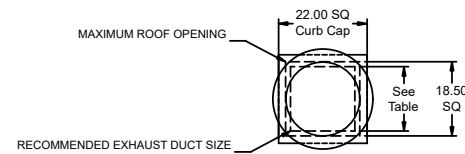
Direct Drive Upblast Centrifugal Roof Exhaust Fan

MARK INFORMATION		FAN INFORMATION						MOTOR INFORMATION					
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	Exhaust Fan 3.2 - Culinary	XCUE-130-VG	1,700	1	1,663	0.53	79	0.75	115/60/1	OP	1725	1	13.8

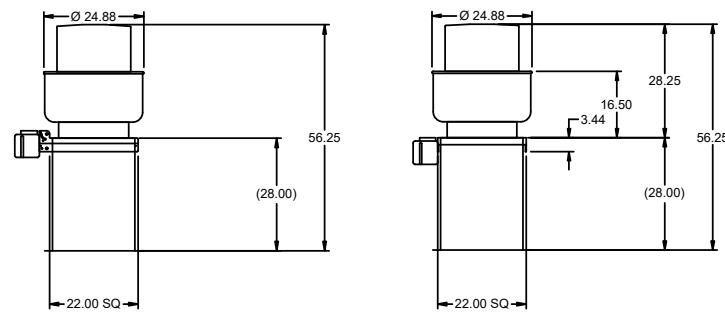
\*NEC FLA - Based on table 430.250 or 430.248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"

Exhaust Fan 3.2 - Culinary : SELECTED OPTIONS AND ACCESSORIES

One piece fully welded windband  
 Tapered bushing wheel hub  
 Breather tube outlet area min. 4.4 sq. in. (sizes 99-480), 2.0 sq. in. (sizes 60-95)  
 Min. windband material thickness: 0.051" aluminum (060-240), 0.064" aluminum (240HP, 240XP), 0.080" aluminum (sizes 300-480)  
 Larger Curb Cap Size - 22 Square  
 UL/cUL 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762)  
 Switch, NEMA-3R, Toggle, Shipped with Unit  
 Hinge, Factory Installed  
 High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)  
 Grease Trap (PN 475538)

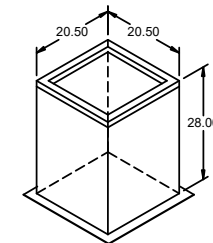


DUCT TYPE	SIZE
STANDARD	16 SQ
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DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB.  
 CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.

OVERALL HEIGHT MAY BE GREATER DEPENDING ON  
 MOTOR, ADAPTER, AND/OR HINGE BASE.



PLATTEVILLE HIGH SCHOOL

PROJECT  
5/17/2023

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EXHAUST FAN 3.2 - CULINARY

FIRE SYSTEM INFORMATION

MARK	MODEL	LOCATION	FLOW POINTS		SUPPLY LINE	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM
			HOODS	PCU			
FIRE SUPPRESSION 1	ANSUL R-102 WET CHEMICAL	CABINET – LEFT END OF HOOD 1	6 UTILIZED 11 AVAILABLE		CONTINUOUS	FUSIBLE LINK	HOOD 1 SECTION 1 HOOD 1 SECTION 2

FIRE SYSTEM OPTIONS AND ACCESSORIES

- 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 - 3 GAL. - [(1) 3.0 TANK(S)]
- REMOTE PULL STATION - STANDARD - FIELD INSTALLATION AT SINGLE POINT OF EGRESS

ANSUL R102 (WET CHEMICAL) FIRE PROTECTION SYSTEM - MODEL FSSC

**CONTROL PANEL**

NOT TO SCALE

**WIRING DIAGRAMS**  
W/DPDT MICRO SWITCH

DPDT 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.

**CONNECTION TO BUILDINGS ALARM**

**CONNECTION TO COOKING EQUIPMENT SHUT DOWN**

**CONNECTION TO FAN SHUT DOWN**

**WIRING DIAGRAM(S)**

**ELECTRICAL SHUT OFF**  
AND CONNECTION TO COOKING EQUIPMENT SHUT DOWN

**OPTION A**  
RELAY PART #14702

**OPTION B**  
RELAY PART #426151

**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 WHAT 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 IS FIRST 50 MI. (80.5 KM) FROM OFFICE.
- 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 P'S APPROVAL STAMP
- UNION LABOR, GOVERNMENT LABOR, OR PREVAILING WAGES REQUIRED FOR FINAL FIELD HOOK-UP
- ANY AND ALL ELECTRICAL COMPONENTS/CONNECTIONS REQUIRED TO SHUT DOWN FANS, SHUT OFF DEVICE FOR ELECTRIC COOKING 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.
- ROUGH-IN HIDDEN CONDUIT FOR REMOTE PULL STATION OR GAS VALVE (FLUSH MOUNTED PULL STATION).
- INSTALLATION OF MORE THAN (1) REMOTE PULL STATIONS OR DISTANCES GREATER THAN 20 FT (6.1M.)
- PARTS OR LABOR REQUIRED TO CORRECT PIPING DUE TO COOKING EQUIPMENT CHANGES OR DEVIATION FROM PLANS. OR ANY CHARGES FOR MISSING OR ADDITIONAL PARTS OTHER THEN THOSE INDICATED ON THE FIRE SUPPRESSION DETAIL.

FIRE SYSTEM INFORMATION

MARK	MODEL	LOCATION	FLOW POINTS		SUPPLY LINE	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM
			HOODS	PCU			
FIRE SUPPRESSION 2 - CULINARY	ANSUL R-102 WET CHEMICAL	CABINET – RIGHT END OF HOOD 3 - CULINARY	18 UTILIZED		CONTINUOUS	FUSIBLE LINK	HOOD 3 - CULINARY SECTION 1 HOOD 3 - CULINARY SECTION 2

FIRE SYSTEM OPTIONS AND ACCESSORIES

- 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 - 6 GAL. - [(2) 3.0 TANK(S)]
- REMOTE PULL STATION - STANDARD - FIELD INSTALLATION AT SINGLE POINT OF EGRESS

ANSUL R102 (WET CHEMICAL) FIRE PROTECTION SYSTEM - MODEL FSSC

**CONTROL PANEL**

NOT TO SCALE

**WIRING DIAGRAMS**  
W/DPDT MICRO SWITCH

DPDT 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.

**CONNECTION TO BUILDINGS ALARM**

**CONNECTION TO COOKING EQUIPMENT SHUT DOWN**

**CONNECTION TO FAN SHUT DOWN**

**WIRING DIAGRAM(S)**

**ELECTRICAL SHUT OFF AND CONNECTION TO COOKING EQUIPMENT SHUT DOWN**

**OPTION A RELAY PART #14702**

**OPTION B RELAY PART #426151**

**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:**

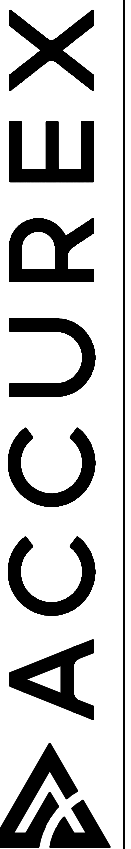
- FULL DUMP TEST OTHER THAN WHAT IS SPECIFIED PER THE INSTALLATION MANUAL, OR TO SATISFY A STATE OR LOCAL CODE. PERMIT AND TESTING FEES ARE NOT INCLUDED UNLESS NOTED UNDER THE EQUIPMENT SCHEDULE FOR THE FIRE SYSTEM.
- MORE THAN TWO TRIPS TO THE JOBSITE OR SPECIAL TRANSPORTATION, OR OVERNIGHT LODGING REQUIREMENTS IN REMOTE AREAS. NORMAL TRAVEL DISTANCE IS FIRST 50 MI. (80.5 KM) FROM OFFICE.
- 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 P'S APPROVAL STAMP.
- UNION LABOR, GOVERNMENT LABOR, OR PREVAILING WAGES REQUIRED FOR FINAL FIELD HOOK-UP.
- ANY AND ALL ELECTRICAL COMPONENTS/CONNECTIONS REQUIRED TO SHUT DOWN FANS, SHUT OFF DEVICE FOR ELECTRIC COOKING 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.
- ROUGH-IN HIDDEN CONDUIT FOR REMOTE PULL STATION OR GAS VALVE (FLUSH MOUNTED PULL STATION).
- INSTALLATION OF MORE THAN (1) REMOTE PULL STATIONS OR DISTANCES GREATER THAN 20 FT (6.1M).
- PARTS OR LABOR REQUIRED TO CORRECT PIPING DUE TO COOKING EQUIPMENT CHANGES OR DEVIATION FROM PLANS. OR ANY CHARGES FOR MISSING OR ADDITIONAL PARTS OTHER THEN THOSE INDICATED ON THE FIRE SUPPRESSION DETAIL.



PLATTEVILLE HIGH SCHOOL

PROJECT 5/17/2023

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FIRE SUPPRESSION 2 - CULINARY

MARK

CONTROL INFORMATION

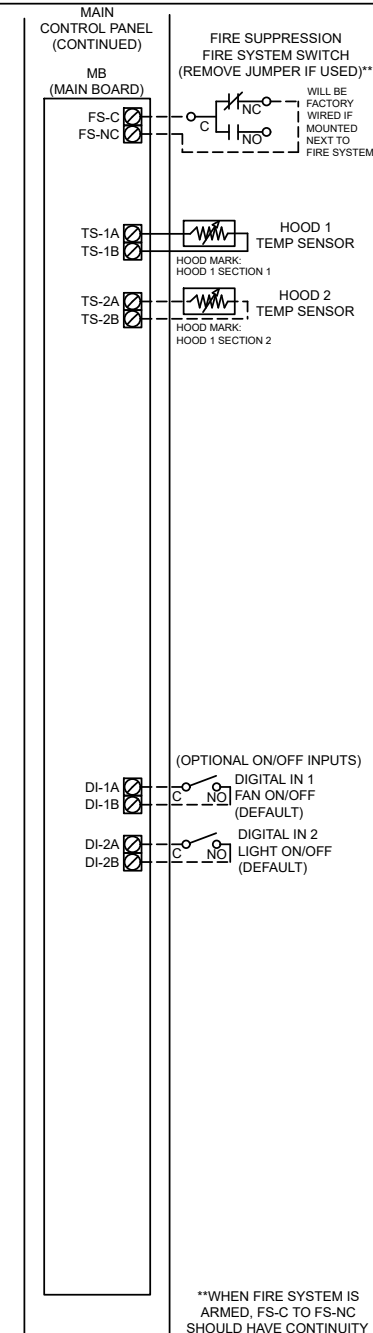
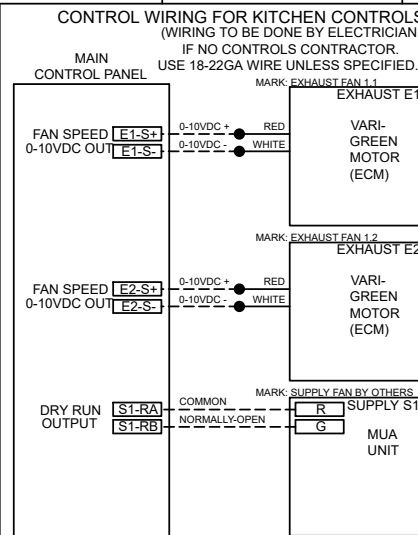
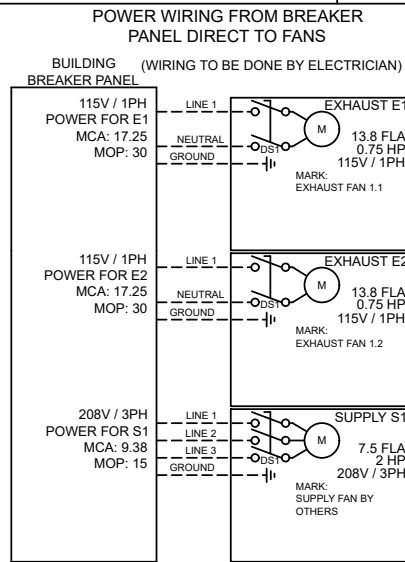
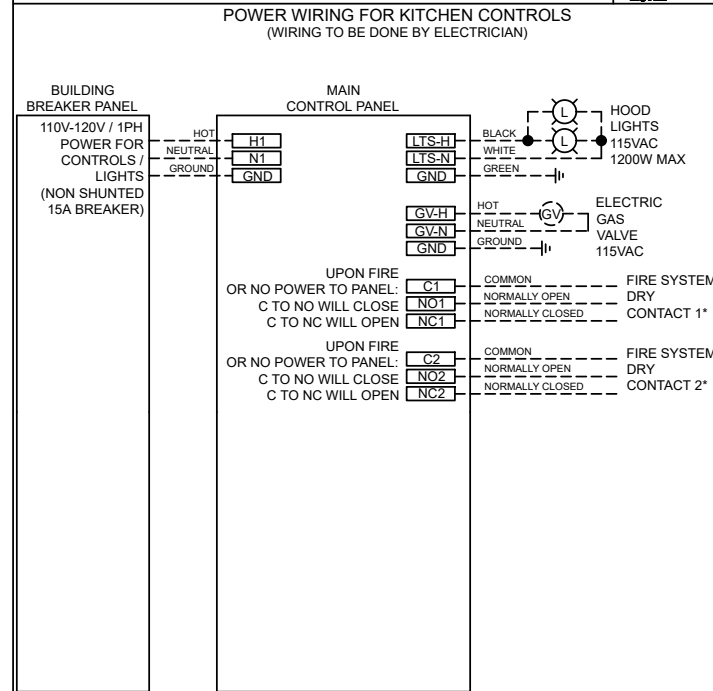
MARK	ELECTRICAL CONTROL PACKAGE		USER INTERFACE		FANS CONTROLLED											
	MODEL	LOCATION	TYPE	LOCATION	FAN #	TYPE	FAN	FAN MARK	ZONE	CFM	MOTOR HP	MOTOR VOLT	CYCLE	MOTOR PHASE	MOTOR STARTER IN PANEL	VFD IN PANEL
CONTROLS 1	XKC-CV-S-21-2-1-0	LEFT CABINET ON HOOD 1	FULL COLOR TOUCHSCREEN	CABINET - LEFT CABINET ON HOOD 1	1	EXHAUST	E1	EXHAUST FAN 1.1	1	1700	0.75	115	60	1	NO	NO
					2	EXHAUST	E2	EXHAUST FAN 1.2	1	1700	0.75	115	60	1	NO	NO
					3	SUPPLY	S1	SUPPLY FAN BY OTHERS	1	3400	2	208	60	3	NO	NO

CONTROL FEATURES

- HOOD LIGHT CONTROL
- TEMP SENSORS (FACTORY INSTALLED) - QTY. 2
- DRY FIRE CONTACTS - QTY. 2
- LIGHTS OFF DURING FIRE
- EXHAUST MAX DURING FIRE
- SUPPLY OFF DURING FIRE
- GAS RESET



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 1-800-371-8858.	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 1-800-371-8858.
<b>CAUTION</b> UNIT MUST BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.	<b>ATTENTION</b> L'APPAREIL DOIT ÊTRE MIS À LA TERRE CONFORMÉMENT AU CODE C.E. L'ALIMENTATION DOIT ÊTRE COUPÉE DURANT L'ENTRETIEN.	COMMERCIAL APPLIANCE OUTLET CENTER ELECTRICAL RATINGS: 110-240V, 1PHASE, 50-60HZ, 15A BASE FILE #E200616, ML FILE #E313951	PRG VERSION: V4 FIELD WIRED (CÂBLÉ À L'USINE) FACTORY WIRE (CÂBLÉ À L'USINE)
WIRING DIAGRAM CODE: WDC#		JOB NAME: PLATTEVILLE HIGH SCHOOL	
MODEL: XKC-CV-S-21-2-1-0		SERIAL NUMBER: WDSN#	
MARK: CONTROLS 1			



**CABINET DETAILS**

DRAWING NOT TO SCALE

**USER INTERFACE DETAILS**

MOUNTING TYPE  
FACTORY MOUNTED:  
UTILITY CABINET - LEFT END OF HOOD

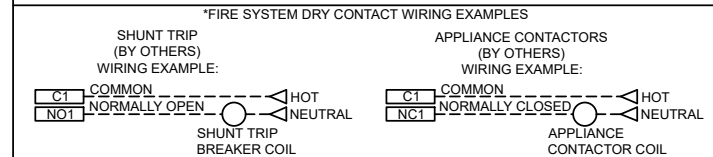
USER INTERFACE CONTROL  
FANS AND LIGHTS

INTERFACE CABLE LENGTH  
7FT (FACTORY PROVIDED)

MOUNTING LOCATION:  
UTILITY CABINET ON HOOD  
(INNER CONTROL BOX: 12 X 20 X 6)

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

ZONE CONFIGURATION							WIRING DIAGRAM CODE: WDC#					
ZONE #	ZONE	ROOM TEMP					JOB NAME:	PLATTEVILLE HIGH SCHOOL				
1	Z1	PRESET					MODEL:	XKC-CV-S-21-2-1-0				
							SERIAL NUMBER:	WDSN#				
							MARK:	CONTROLS 1				
							DOC NUMBER:	---				
							REV:	---				
HOOD CONFIGURATION							DEFAULT SETTINGS / PARAMÈTRES PAR DÉFAUT					
HOOD #	HOOD	HOOD MARK	ZONE	EXHAUST	SUPPLY	MB-TEMP SENSORS	HCB	FACTORY SETTINGS				
1	H1	HOOD 1 SECTION 1	Z1	E1	S1	TS1	NO	TYPE: CV				
2	H2	HOOD 1 SECTION 2	Z1	E2	S1	TS2	NO	CONFIGURATION: STANDARD				
							ZONES: 1					
							HOODS: 2					
							SUMPS: 0					
							EXHAUST FANS: 2					
							SUPPLY FANS: 1					
							MB ROOM SENSOR: NO					
							MB TEMP SENSORS: 2					
							HIGH TEMP FAULT: NO					
							FREEZE PROTECTION: YES					
							GAS RESET: YES					
							FAN PROVING: NO					
							BMS: NONE					
							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					
							NA					
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	EXHAUST FAN 1.1	Z1	-	1700	NO	-	-	-	-	10.0
2	EXHAUST	E2	EXHAUST FAN 1.2	Z1	-	1700	NO	-	-	-	-	10.0
3	SUPPLY	S1	SUPPLY FAN BY OTHERS	Z1	-	3400	NO	-	-	-	-	10.0

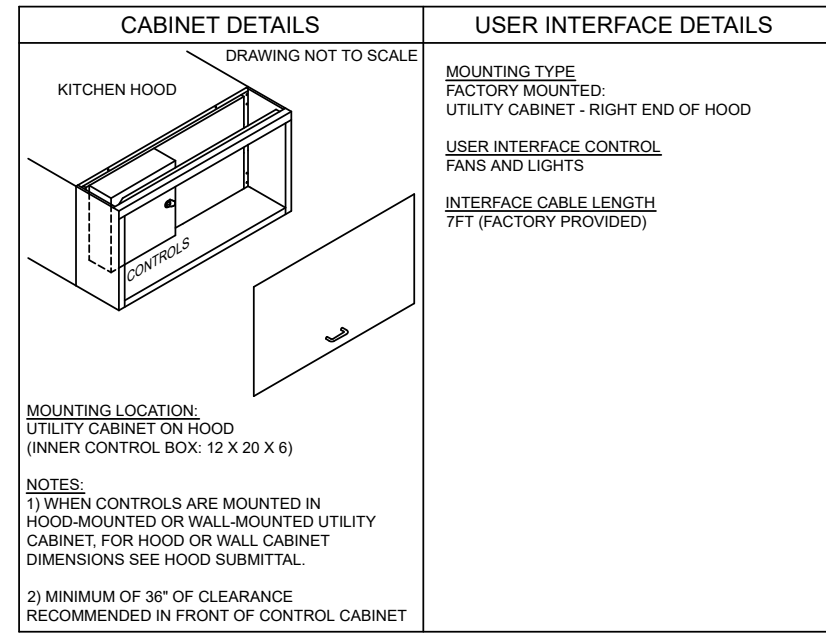
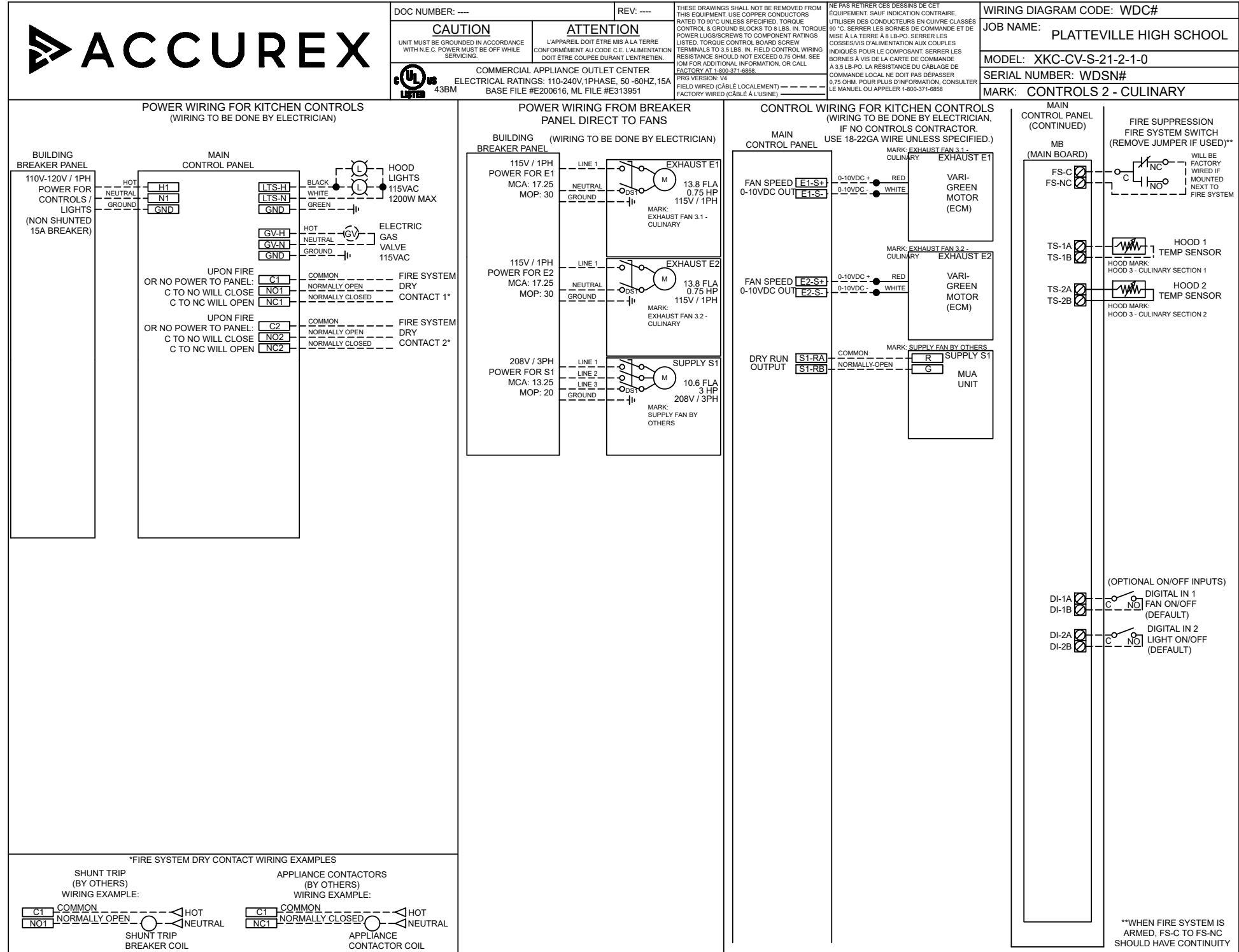


CONTROL INFORMATION

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
CONTROLS 2 - CULINARY	XKC-CV-S-21-2-1-0	RIGHT CABINET ON HOOD 3 - CULINARY	FULL COLOR TOUCHSCREEN	CABINET - RIGHT CABINET ON HOOD 3 - CULINARY	1	EXHAUST	E1	EXHAUST FAN 3.1 - CULINARY	1	1700	0.75	115	60	1	NO	NO
					2	EXHAUST	E2	EXHAUST FAN 3.2 - CULINARY	1	1700	0.75	115	60	1	NO	NO
					3	SUPPLY	S1	SUPPLY FAN BY OTHERS	1	3400	3	208	60	3	NO	NO

CONTROL FEATURES

- HOOD LIGHT CONTROL
- TEMP SENSORS (FACTORY INSTALLED) - QTY. 2
- DRY FIRE CONTACTS - QTY. 2
- LIGHTS OFF DURING FIRE
- EXHAUST MAX DURING FIRE
- SUPPLY OFF DURING FIRE
- GAS RESET



WIRING DIAGRAM CODE: WDC#  
JOB NAME: PLATTEVILLE HIGH SCHOOL  
MODEL: XKC-CV-S-21-2-1-0  
SERIAL NUMBER: WDSN#  
MARK: CONTROLS 2 - CULINARY  
DOC NUMBER: --- REV: ---

**DEFAULT SETTINGS / PARAMÈTRES PAR DÉFAUT**

**FACTORY SETTINGS**  
TYPE: CV  
CONFIGURATION: STANDARD  
ZONES: 1  
HOODS: 2  
SUMPS: 0  
EXHAUST FANS: 2  
SUPPLY FANS: 1  
MB ROOM SENSOR: NO  
MB TEMP SENSORS: 2  
HIGH TEMP FAULT: NO  
FREEZE PROTECTION: YES  
GAS RESET: YES  
FAN PROVING: NO  
BMS: NONE

**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**  
NA

PRG VERSION: V4

**ZONE CONFIGURATION**

ZONE #	ZONE	ROOM TEMP
1	Z1	PRESET

**HOOD CONFIGURATION**

HOOD #	HOOD	HOOD MARK	ZONE	EXHAUST	SUPPLY	MB-TEMP SENSORS	HCB
1	H1	HOOD 3 - CULINARY SECTION 1	Z1	E1	S1	TS1	NO
2	H2	HOOD 3 - CULINARY SECTION 2	Z1	E2	S1	TS2	NO

**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	EXHAUST FAN 3.1 - CULINARY	Z1	-	1700	NO	-	-	-	-	10.0
2	EXHAUST	E2	EXHAUST FAN 3.2 - CULINARY	Z1	-	1700	NO	-	-	-	-	10.0
3	SUPPLY	S1	SUPPLY FAN BY OTHERS	Z1	-	3400	NO	-	-	-	-	10.0