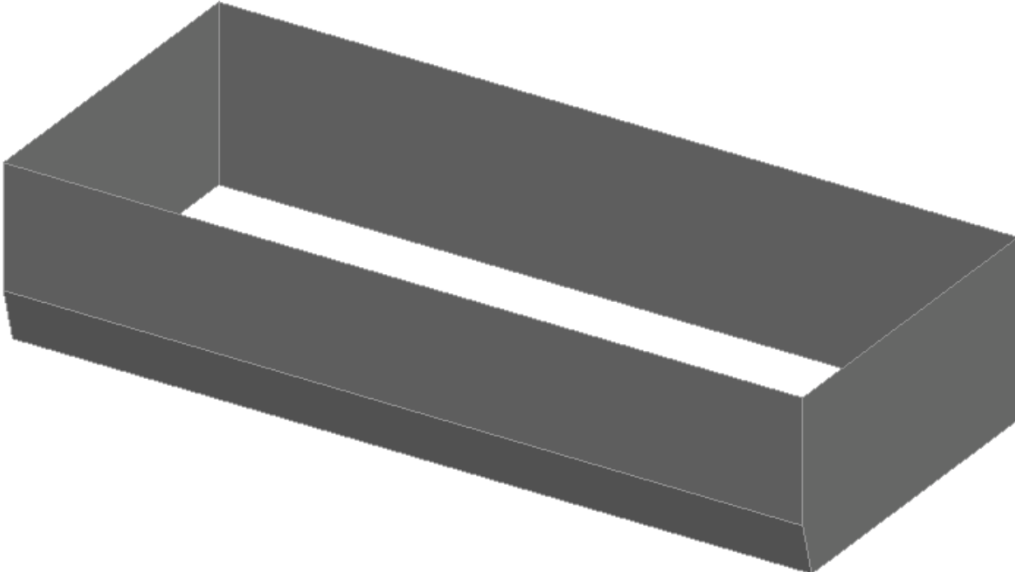
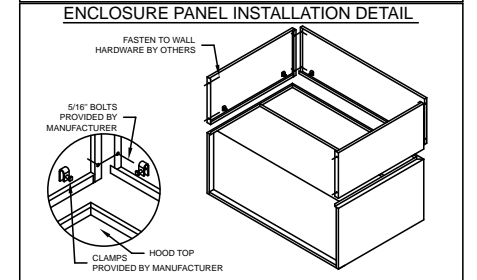
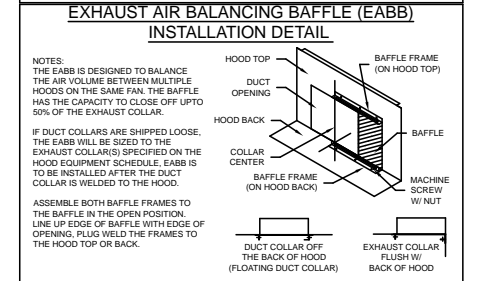
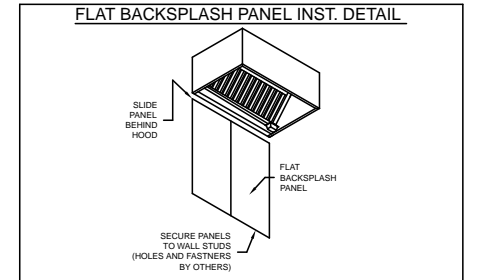
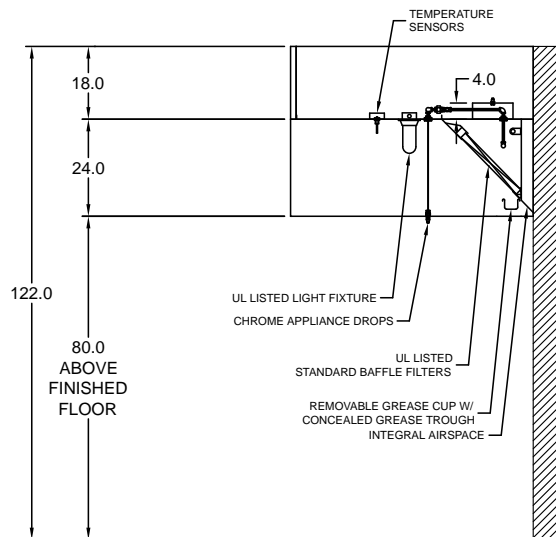
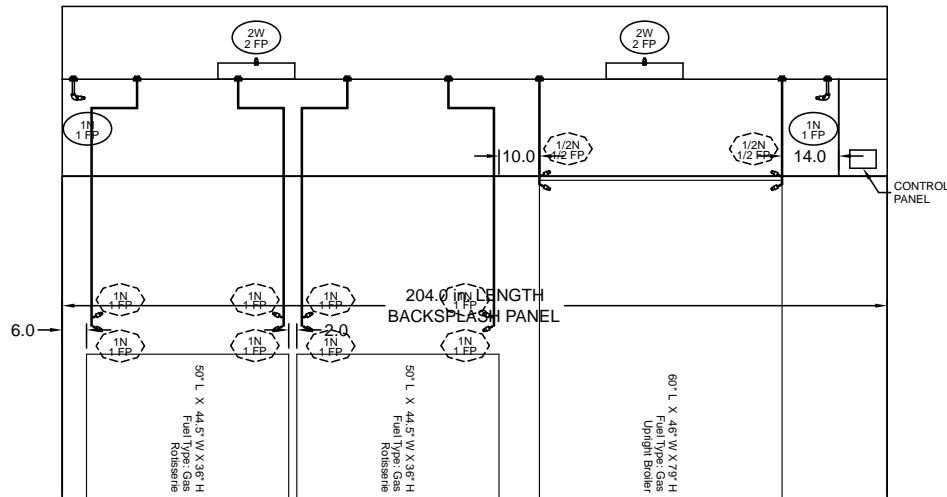
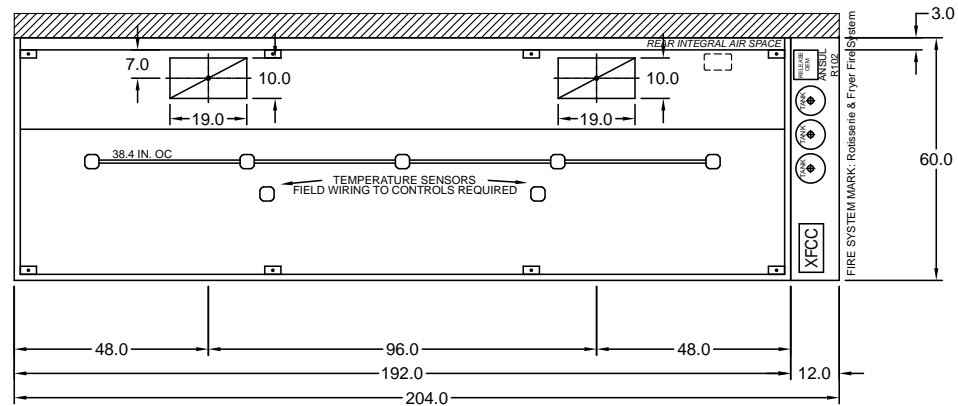


<a href="#">Back to index</a>		EQUIPMENT INFORMATION SHEET				<a href="#">Notes and abbreviations</a>			FOOD EQUIPMENT			<a href="#">Link to PDF file</a>
ITEM #	QTY		MODEL #	ITEM DESCRIPTION	MANUFACTURER	CONTRACTOR INFORMATION			REMARKS	UTILITY INFORMATION		
	EXT	NEW				I	F	C		ELECTRICAL	MECHANICAL: SUPPLY	MECHANICAL: WASTE
FE127.1			Custom	Exhaust hood; w/ hood extension.	Accurex	MC		MC EC				
<div data-bbox="210 389 850 649" style="border: 1px dashed gray; width: 305px; height: 160px; margin-bottom: 20px;"></div> <div data-bbox="493 755 1501 1323" style="text-align: center;">  </div>										<b>EQUIPMENT CELL INFORMATION</b>		
										Date created:		3/16/2016
										Date revised:		
										Cell library:		Layout Common Eq.
										Cell name(s):		CEFE127.1
										<b>Special CAD Instructions:</b>		
Cell size is 14'-0"L x 6'-0"D Stretch cell to size that is needed.												
<b>ITEM NUMBER:</b>		<b>FE127.1</b>										

HOOD INFORMATION																	
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	HOOD TEMP RATING	TOTAL CFM	EXHAUST COLLAR(S)				SUPPLY		TOTAL WEIGHT LBS.	SECTION LOCATION	
			LENGTH	WIDTH	HEIGHT				WIDTH	LENGTH	DIA.	CFM	S.P.	MUA CFM			AC CFM
1	ROTISSERIE HOOD	XBEW-192-S	192	60	24	430 SS WHERE EXPOSED	600 DEG F	4000	10	19		2000	0.439			640	SINGLE
									10	19		2000	0.439				

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	INTERFACE
1	ROTISSERIE HOOD	INCANDESCENT (GLOBE)	100W A19 (BULBS NOT INCL.)	5	44.61	BAFFLE STAINLESS STEEL	2	16	20	RIGHT	ANSUL R102	9	XFCC	SWITCHES

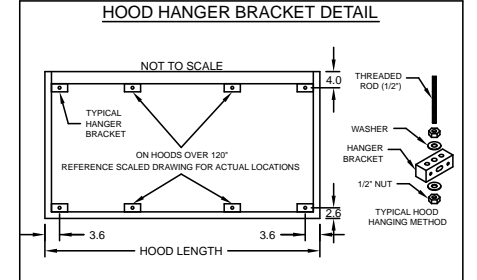
**HOOD OPTIONS**  
 UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625  
 BACK INTEGRAL AIR SPACE - 3 IN WIDE  
 18 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED  
 FACTORY MOUNTED EXHAUST COLLAR(S)  
 EXHAUST AIR BALANCING BAFFLE(S) - (EABB)  
 BACKSPLASH 80.00 IN HIGH 204.00 IN LONG  
 PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY  
 STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH



**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.

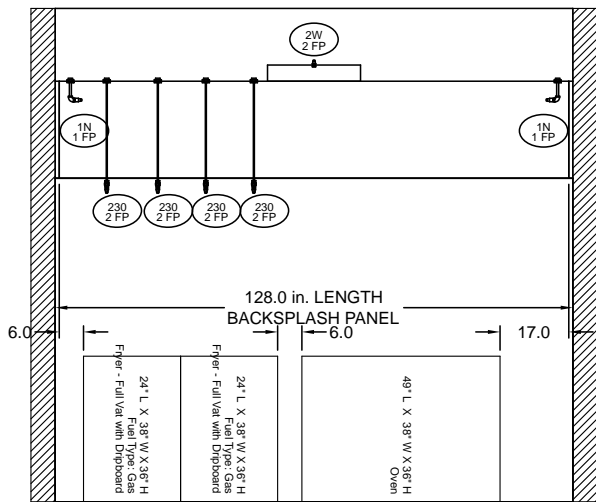
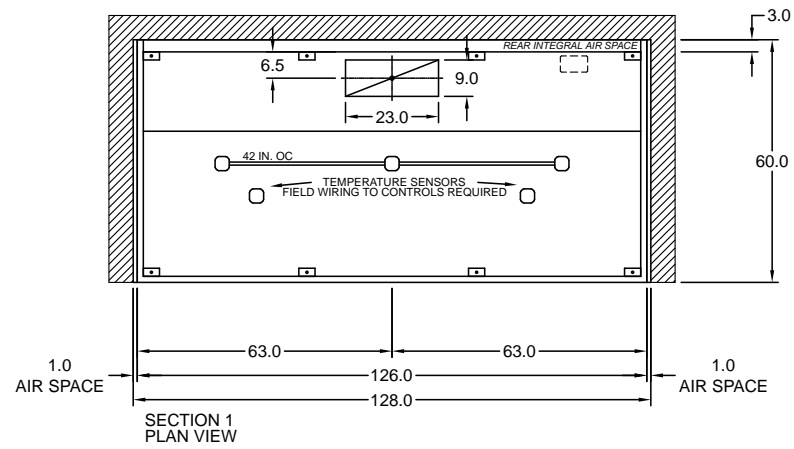


HOOD INFORMATION																	
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	HOOD TEMP RATING	TOTAL CFM	EXHAUST COLLAR(S)					SUPPLY		TOTAL WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT				WIDTH	LENGTH	DIA.	CFM	S.P.	MUA CFM	AC CFM		
1	FRYER HOOD	XBEW-126-S	126	60	24	430 SS WHERE EXPOSED	600 DEG F	2363	9	23		2363	0.459			420	SINGLE

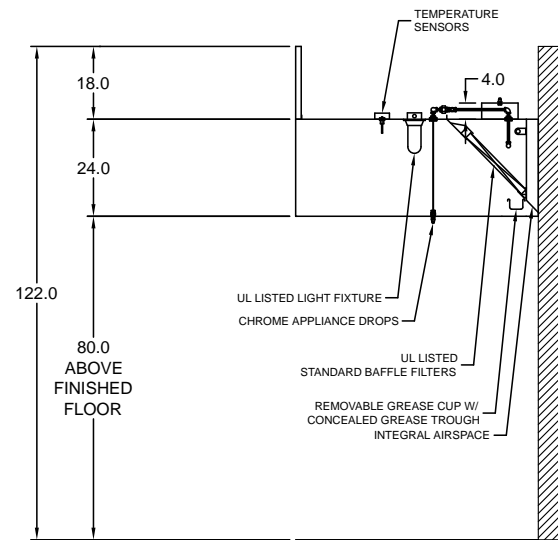
HOOD INFORMATION																	
HOOD NO.	MARK	LIGHTING DETAILS			GREASE FILTRATION DETAILS			UTILITY CABINET(S)									
		FIXTURE TYPE	BULB / LAMP INFO	QTY	FOOT CANDLES	TYPE / MODEL MATERIAL	QTY	SIZE (IN.)	LOCATION	FIRE SYSTEM		CONTROLS					
1	FRYER HOOD	INCANDESCENT (GLOBE)	100W A19 (BULBS NOT INCL.)	3	41.2	BAFFLE STAINLESS STEEL	4	16		20							

**HOOD OPTIONS**

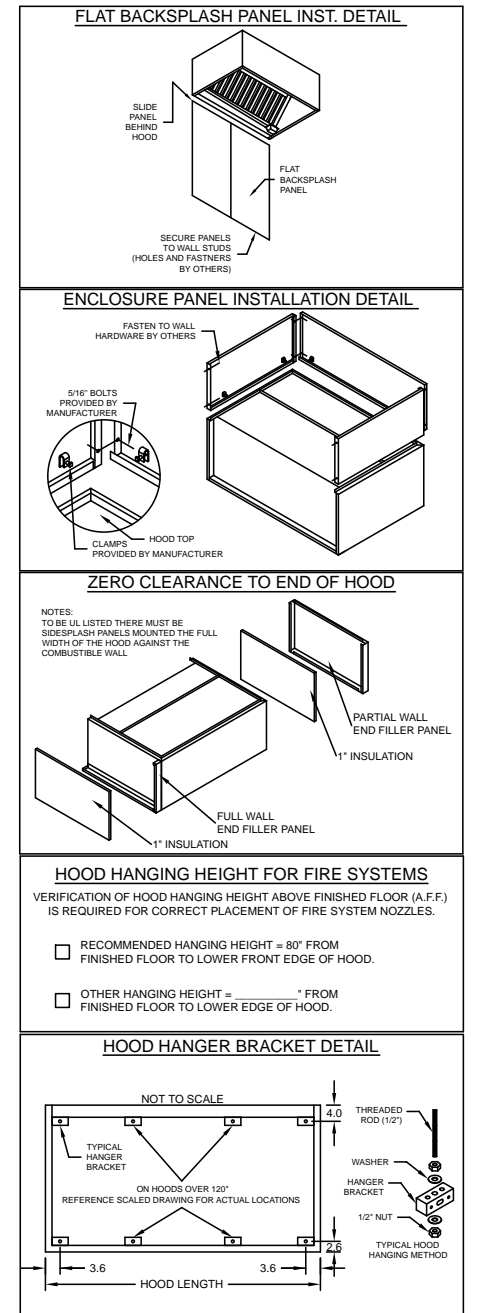
- UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625
- BACK INTEGRAL AIR SPACE - 3 IN WIDE
- LEFT NON-INTEGRAL AIR SPACE - 1 IN THICK - ZERO CLEARANCE
- RIGHT NON-INTEGRAL AIR SPACE - 1 IN THICK - ZERO CLEARANCE
- 18 IN HIGH CEILING ENCLOSURES - FRONT - FIELD INSTALLED
- FACTORY MOUNTED EXHAUST COLLAR(S)
- BACKSPLASH 80.00 IN HIGH 128.00 IN LONG
- PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY
- STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH



SECTION 1 ELEVATION VIEW



MARK: Fryer Hood SECTION VIEW



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MARK

FRYER HOOD



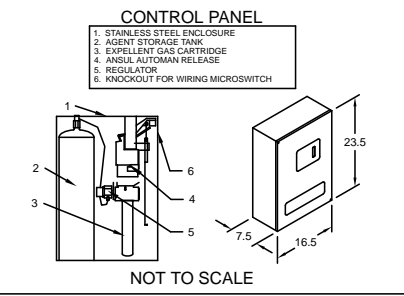
**FIRE SYSTEM INFORMATION**

MARK	MODEL	LOCATION	FLOW POINTS		SUPPLY LINE	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM
			HOODS	PCU			
ROTISSERIE & FRYER FIRE SYSTEM	ANSUL R-102 WET CHEMICAL	CABINET – RIGHT END OF ROTISSERIE HOOD	28 UTILIZED 33 AVAILABLE		CONTINUOUS	FUSIBLE LINK	FRYER HOOD SECTION 1 ROTISSERIE HOOD SECTION 1

**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 - MECHANICAL SHUTOFF VALVE, 2 IN. (ANSUL) - PART# 55610  
 HOOD SUPPRESSION AGENT - INCLUDED - 9 GAL. - [(3) 3.0 TANK(S)]  
 REMOTE PULL STATION - STANDARD - INSTALLATION AT SINGLE POINT OF EGRESS

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

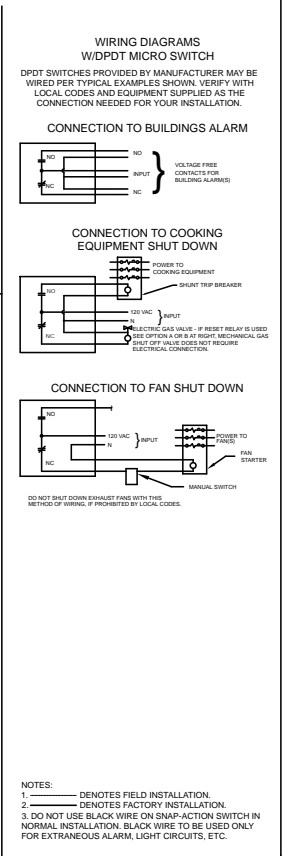


**NOTES:**

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 PS 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 THAN THOSE INDICATED ON THE FIRE SUPPRESSION DETAIL.



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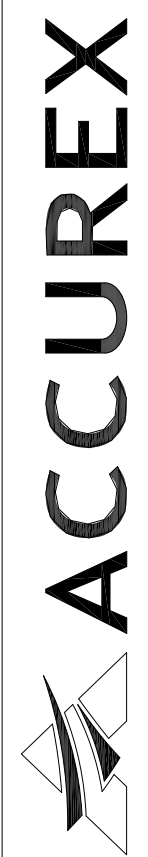
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MARK



ROTISSERIE FRYER FIRE SYSTEM

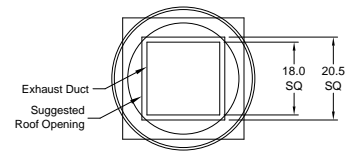


Direct Drive Upblast Centrifugal Roof Exhaust Fan

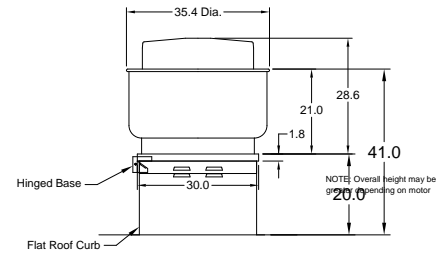
MARK INFORMATION		FAN INFORMATION							MOTOR INFORMATION				
QTY	MARK	MODEL	VOLUME (CFM)	EXTERNAL SP (IN WG)	TOTAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS
1	Rotisserie Exhaust Fan	XRUD-180-VG	4,000	1.5	1.408	1,400	1.67	150	2	208/60/1	TF	1400	1

SELECTED OPTIONS AND ACCESSORIES

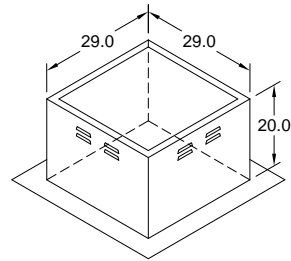
UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances"  
 Switch, NEMA-1, Toggle, Shipped with Unit  
 Roof Curb-Galv., GPFV-30-G20, Under Sized 1 in. Total  
 Hinged Base (Attached)  
 Curb Seal (Attached)  
 Grease Trap (PN 475538)



TOP VIEW



FRONT VIEW



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ROTISSERIE EXHAUST FAN

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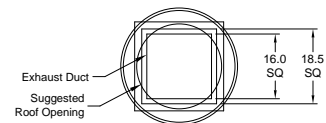
Direct Drive Upblast Centrifugal Roof Exhaust Fan

MARK INFORMATION		FAN INFORMATION							MOTOR INFORMATION					
QTY	MARK	MODEL	VOLUME (CFM)	EXTERNAL SP (IN WG)	TOTAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	Fryer Exhaust Fan	XRUD-161HP-VG	2,002	1.25	1.25	1,538	0.76	124	1	208/60/1	OP	1725	1	8.8

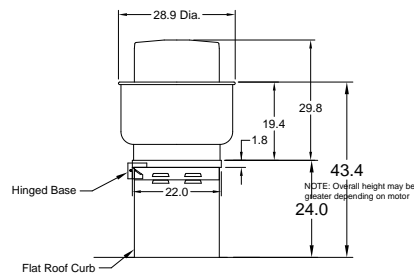
\*NEC FLA - Based on tables 150 or 148 of National Electrical Code 2002. Actual motor FLA may vary, for sizing thermal overload, consult factory.

SELECTED OPTIONS AND ACCESSORIES

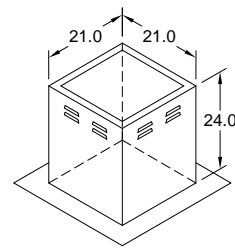
Standard curb cap size - 22 in. square  
 UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances"  
 Switch, NEMA-1, Toggle, Shipped Separate  
 Roof Curb-Galv., GPFV-22-G24, Under Sized 1 in. Total  
 Hinged Base (Attached)  
 Curb Seal (Attached)  
 Grease Trap (PN 475538)



TOP VIEW



FRONT VIEW



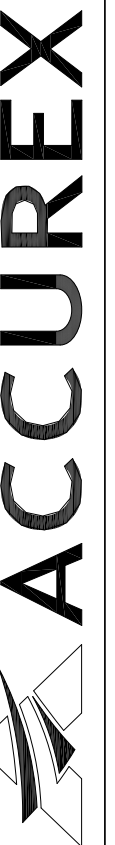
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FRYER EXHAUST FAN

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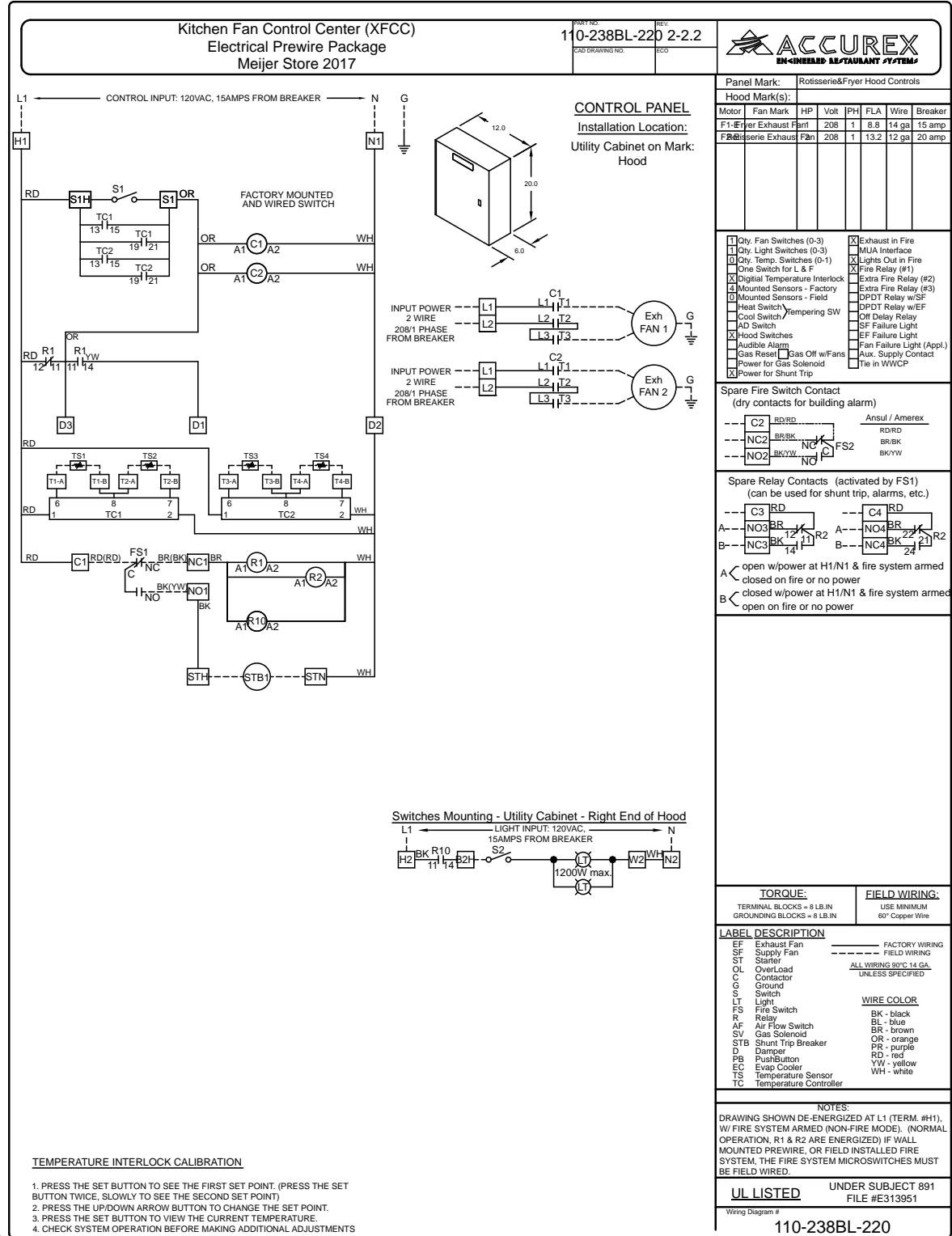


CONTROL INFORMATION

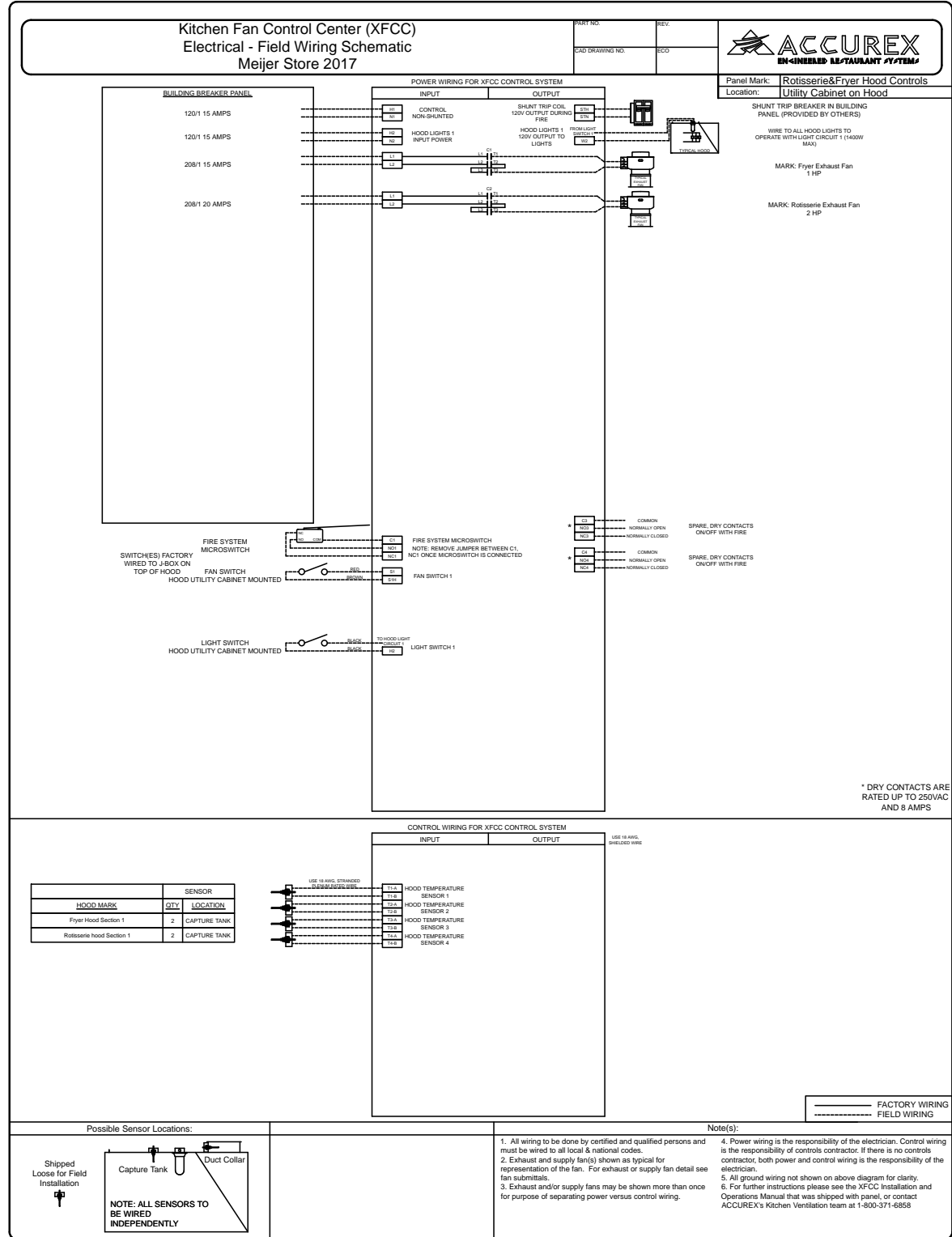
MARK	ELECTRICAL CONTROL PACKAGE		USER INTERFACE		FANS CONTROLLED				
	MODEL	LOCATION	TYPE	LOCATION	MARK	TYPE	VOLT	PHASE	HP
ROTISSERIE&FRYER HOOD CONTROLS	XFCC	CABINET – RIGHT END OF ROTISSERIE HOOD	SWITCHES	CABINET – RIGHT END OF ROTISSERIE HOOD	FRYER EXHAUST FAN	EXHAUST	208	1	1
					ROTISSERIE EXHAUST FAN	EXHAUST	208	1	2

CONTROL FEATURES

- CONTROL PANEL ENCLOSURE - 16 GA 300 SERIES STAINLESS STEEL ENCLOSURE (NEMA-1) - DIMENSIONS 12 X 20 X 6
- STARTERS PROVIDED IN CONTROL PANEL - QTY 2
- 2 POSITION LIGHT SWITCH - QTY 1
- 2 POSITION FAN SWITCH - QTY 1
- INTEGRATED EXHAUST TEMPERATURE INTERLOCK SYSTEM
- FACTORY MOUNTED EXHAUST TEMPERATURE SENSORS - QTY 4
- COMPLIES WITH INTERNATIONAL MECHANICAL CODE 2006 SECTION 507.2.1.1
- TURN ON EXHAUST IN FIRE
- LIGHTS OUT IN FIRE
- POWER FOR SHUNT TRIP



- TEMPERATURE INTERLOCK CALIBRATION**
- PRESS THE SET BUTTON TO SEE THE FIRST SET POINT. (PRESS THE SET BUTTON TWICE, SLOWLY TO SEE THE SECOND SET POINT)
  - PRESS THE UP/DOWN ARROW BUTTON TO CHANGE THE SET POINT.
  - PRESS THE SET BUTTON TO VIEW THE CURRENT TEMPERATURE.
  - CHECK SYSTEM OPERATION BEFORE MAKING ADDITIONAL ADJUSTMENTS



**XBEW** Type 1, Baffle Filter Single Wall - Exhaust Only Wall Canopy

Model	Hood Length (in.)	Width (in.)	Bottom Width (in.)	Height (in.)		Exhaust Volume (CFM)	Exhaust SP (in. w.g.)	Double Island
				Front	Back			
XBEW	192	60	60	24	24	4000	0.439	No

**Selected Options & Accessories:**

Option or Accessory	Description
Mounting Height	80 in. off Finished Floor.
Integral Air Space	Factory Mounted on Back - 3" wide
Ceiling Enclosures	18 in. High on Left Front Right
Filter Type	Stainless Steel Baffle Filters
Right Utility Cabinet	60 in Long 12 in Wide 24 in High
Backsplash Panel	80 in High 204 in Long 0 in Wide
Exhaust Air Balancing Baffle	Damper used to balance system with multiple collars.

**Material:** 430 SS Where Exposed  
**UL Listing:** UL 710 w/out Exhaust Fire Damper

**Features:**  
 Performance Enhancing Lip (PEL)  
 Standing Seam Construction for Superior Strength  
 Stainless Steel Finish for Higher Corrosion Resistance

**Hood End Conditions:**  
 Back Wall - Limited Combustible

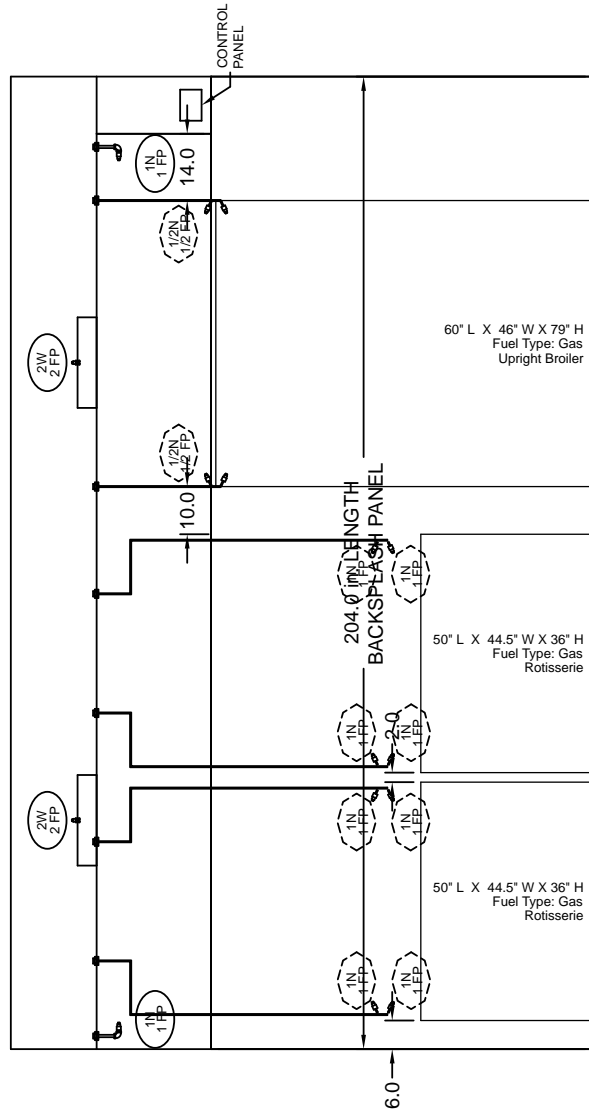
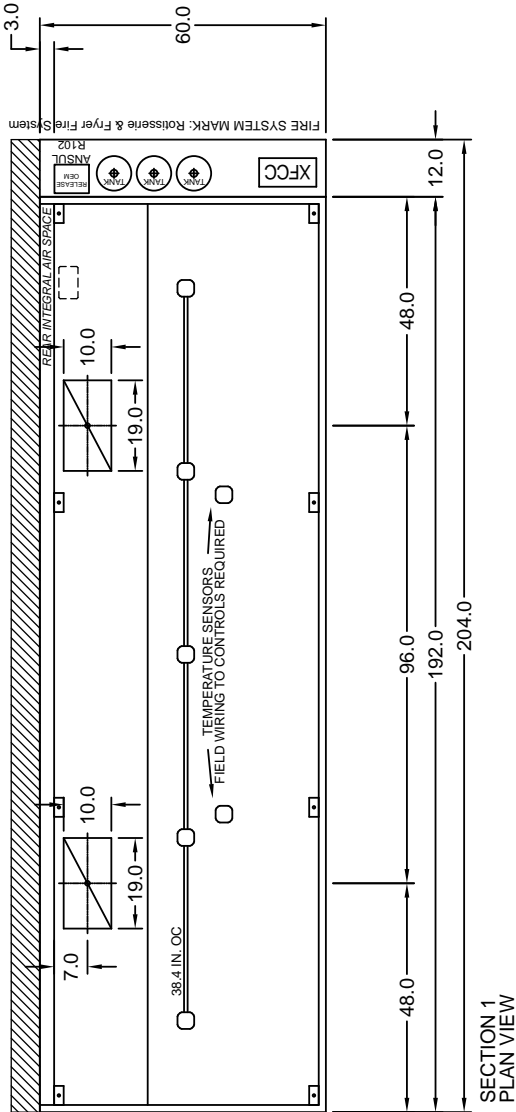
**Section Data:**

Section Num.	Length (in.)	Volume (CFM)	SP (in. wg)	Filter Qty		Filter Ht. (in.)	Temp. Rating	Light Qty	Light Type	Foot Candles	Drain Location	Weight (lbs)
				16" W	20" W							
1	192	4000	0.439	2	8	20	600 deg F	5	Incandescent / CFL	44.61	Right	640

**Exhaust Collar Data:**

Section Num.	Collar Num.	Collar Size (LxW) in. or Diameter (in.)	Pos. Off Left (in.)	Pos Off Back (in.)	Velocity (fpm)	Mounting Option
1	1	19 x 10	48	7	1516	Factory Mounted Exhaust Collar(s)
1	2	19 x 10	144	7	1516	Factory Mounted Exhaust Collar(s)





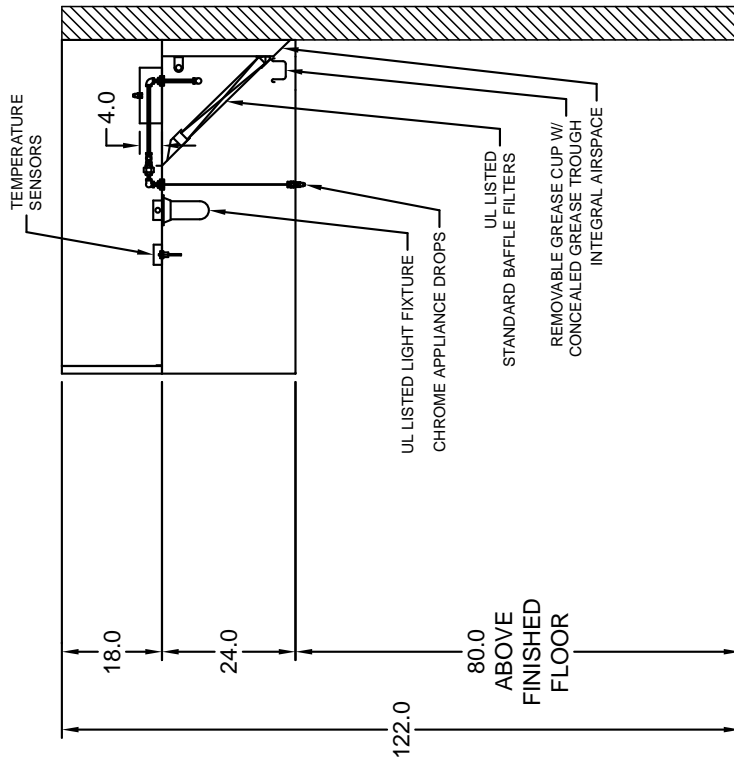
NOTE: All dimensions are in units of in.



Hanger Bracket Locations			
Sec #	Brkt #	Distance Off Left (in)	Distance Off Front (in)
1	1	3.50	2.50
1	2	63.94	2.50
1	3	127.87	2.50
1	4	188.50	2.50
1	5	3.50	56.00
1	6	63.94	56.00
1	7	127.87	56.00
1	8	188.50	56.00

Bracket Mounting Position for an 8 Bracket Hood			
5	6	7	8
BACK		FRONT	
1	2	3	4



MARK: Rotisserie hood

NOTE: All dimensions are in units of in.



**XBEW**                      Type 1, Baffle Filter Single Wall - Exhaust Only Wall Canopy

Model	Hood Length (in.)	Width (in.)	Bottom Width (in.)	Height (in.)		Exhaust Volume (CFM)	Exhaust SP (in. w.g.)	Double Island
				Front	Back			
XBEW	126	60	60	24	24	2363	0.459	No

**Selected Options & Accessories:**

Option or Accessory	Description
Mounting Height	80 in. off Finished Floor.
Integral Air Space	Factory Mounted on Back - 3" wide
Non-Integral Air Space	Factory Mounted on Left - 1" wide Zero Clearance
Non-Integral Air Space	Factory Mounted on Right - 1" wide Zero Clearance
Ceiling Enclosures	18 in. High on Front
Filter Type	Stainless Steel Baffle Filters
Backsplash Panel	80 in High 128 in Long 0 in Wide

**Material:** 430 SS Where Exposed  
**UL Listing:** UL 710 w/out Exhaust Fire Damper

**Features:**  
 Performance Enhancing Lip (PEL)  
 Standing Seam Construction for Superior Strength  
 Stainless Steel Finish for Higher Corrosion Resistance

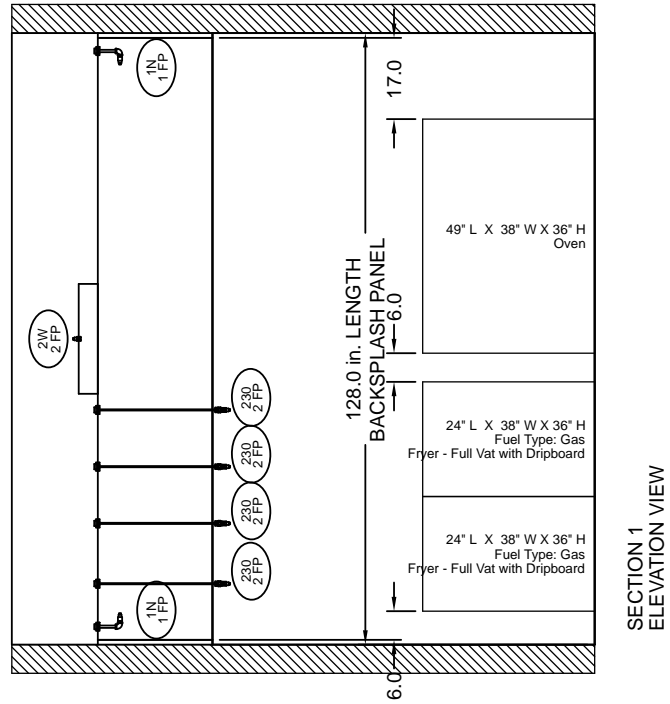
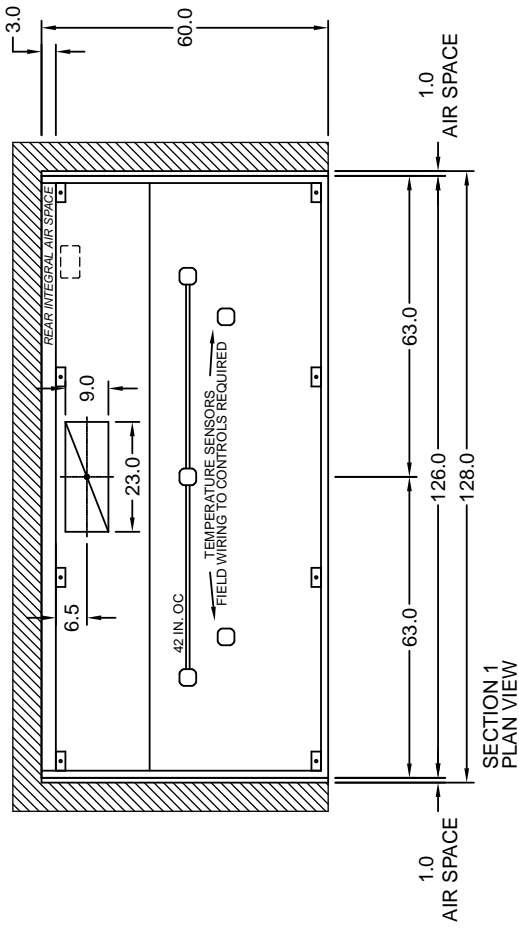
**Hood End Conditions:**  
 Back Wall - Limited Combustible  
 Left Full Wall - Combustible  
 Right Full Wall - Combustible

**Section Data:**

Section Num.	Length (in.)	Volume (CFM)	SP (in. wg)	Filter Qty		Filter Ht. (in.)	Temp. Rating	Light Qty	Light Type	Foot Candles	Drain Location	Weight (lbs)
				16" W	20" W							
1	126	2363	0.459	4	3	20	600 deg F	3	Incandescent / CFL	41.2	Right	420

**Exhaust Collar Data:**

Section Num.	Collar Num.	Collar Size (LxW) in. or Diameter (in.)	Pos. Off Left (in.)	Pos Off Back (in.)	Velocity (fpm)	Mounting Option
1	1	23 x 9	63	6.5	1644	Factory Mounted Exhaust Collar(s)



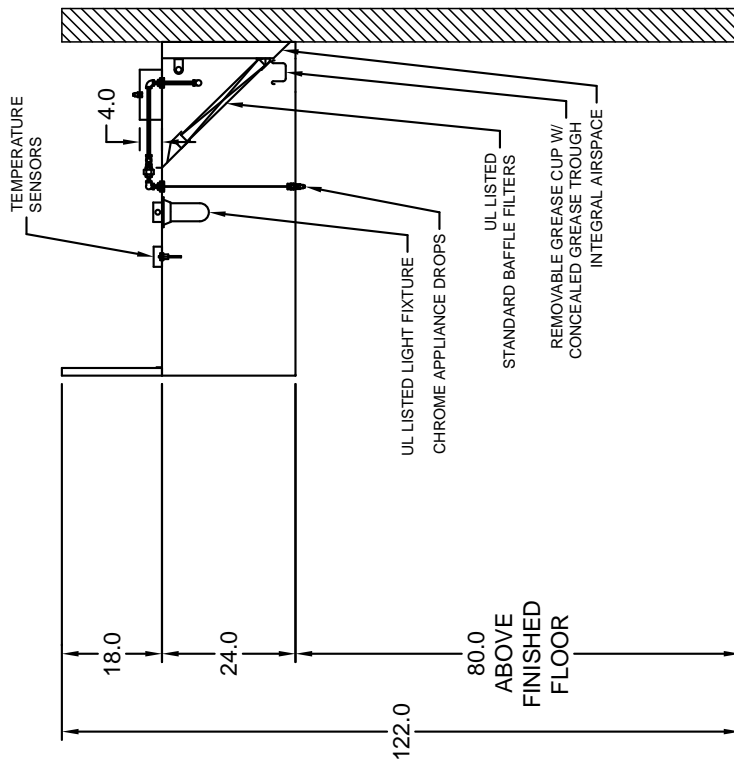
NOTE: All dimensions are in units of in.



Hanger Bracket Locations			
Sec #	Brkt #	Distance Off Left (in)	Distance Off Front (in)
1	1	3.50	2.50
1	2	41.96	2.50
1	3	83.92	2.50
1	4	122.50	2.50
1	5	3.50	56.00
1	6	41.96	56.00
1	7	83.92	56.00
1	8	122.50	56.00

Bracket Mounting Position for an 8 Bracket Hood			
5	6	7	8
BACK		FRONT	
1	2	3	4



MARK: Fryer Hood

NOTE: All dimensions are in units of in.



**Ansul R-102 Wet Chemical Fire Suppression System**

**Hood Options and Accessories**

Mounting Option	Mounted in Utility Cabinet (includes pre-piped hood with detection and factory coordinated install)
System Size	9 Gallon
Flow Points	Maximum of 33 and 28 are utilized.
Installation Location	The fire system tank connection tee will be on the Right.
Gas Valve	Mechanical Shutoff Valve, 2 in, (Ansul)
	There are 10 appliance drops on this system.
Metal Blow Off Caps	High temperature metal caps to protect and keep the nozzles clean.
Additional Microswitch	Additional Microswitch (Total of 2 dpdt electrical switches)
Permit Fees Included	Permit and Puff Test Only

NOTE: Must maintain 8 inch clearance between top of hood and pipe connections for installation (includes piping and workspace clearance).

**Protected Hood Sections:**

- Fryer Hood Section 1
- Rotisserie hood Section 1

**Standard Construction Features:**

- Prepiping of the kitchen hood
- Fuel shut-off device
- One double-pole, double-throw microswitch for electric appliances
- All detectors, links, release mechanism, tank, and fire suppressant agent.
- One manual pull station for remote mounting (This must be in the path of egress, at a maximum distance of 20 ft (6.1 meters) from the release mechanism).
- An ANSUL® tank and release mechanism housed in a cabinet.
- Final field hook-up to be performed by a non-union certified ANSUL® distributor.
- Factory coordination of final system hook-up between jobsite contact and the assigned ANSUL® distributor.

**Notes:**

- The installation of the mechanical or electrical type gas valve is the responsibility of the plumbing contractor.
- A double-pole, double-throw microswitch is provided for use with electric appliances. This device also can be used with alarm systems, fan shut down, and electric solenoid gas valves. The wiring of this device is the responsibility of the electrical contractor.
- Permit and Puff test fees.
- Two trips out to the jobsite is included (system installation and test).
- This program applies only to the continental United States. For an ANSUL® hook-up in Alaska, Hawaii, Canada or any International destination, please consult Manufacturer for details and pricing.

**Manufacturer HOOD MTD. FIRE CABINET HOOK-UP to consist of:**

- Hook-up of detection lines, hook-up of supply lines, mount & hook-up remote manual pull, hook-up mechanical gas valve (If Applicable), charge and tag system.

**ANSUL REMOTE MTD. FIRE CABINET HOOK-UP to consist of:**

- Hang automan and additional tanks if multiple system, hook-up of detection lines, hook-up of supply lines, mount & hook-up remote manual pull, hookup mechanical gas valve (If Applicable), charge & tag system.

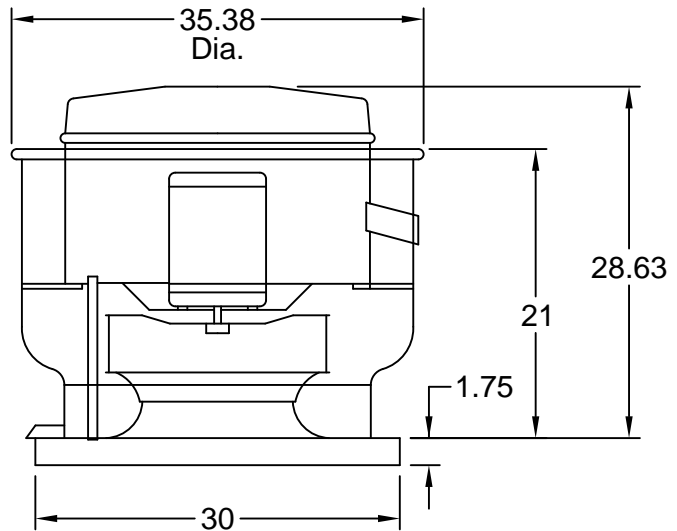
**The basic fire suppression system does not include the following:**

- Full dump test or system testing other than what is specified in the restaurant system installation manual, or special requirements to satisfy a state or local code.
- Special classes or additional labor for access to security sensitive areas.
- More than one trip to the jobsite or special transportation or overnight lodging requirement in remote areas.
- A shut-off device (shunt-trip breaker) for electric cooking equipment.
- Installation of the gas shut-off valve.
- Special drawings required to satisfy a state or local code.
- Union Labor, Government Labor, or Prevailing wages required for the final field hook-up.
- Any and all electrical connection required to shut down fan(s), electric cooking equipment, 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.
- Plan examination fees
- Rough-in conduit for remote pull station or gas valve (for flush mounted pull station).
- Additional remote pull stations.
- Parts or labor required to correct piping due to cooking equipment changes or deviation from plans.
- Any charges for missing or additional parts other than those indicated on the attached Fire Suppression Detail.

**Note:**

- The customer is responsible for and will be invoiced separately for any additional work performed in accordance with the above items.
- The ANSUL® fire cabinet contains the release assembly that must be mounted within 60 inches (1.5 meters) of the canopy.

**Model: XRUD-180-VG**  
 Direct Drive Upblast Centrifugal Roof Exhaust Fan

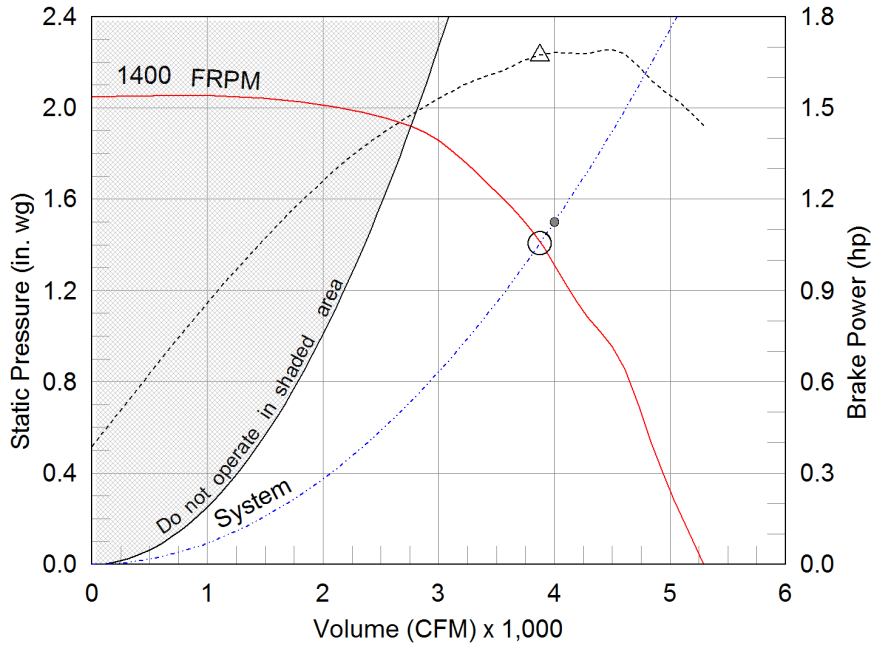


\*Overall height may be greater depending on motor

Dimensional	
Quantity	1
Weight w/o Acc's (lb)	97
Weight w/ Acc's (lb)	150
Roof Opening (in.)	20.5 x 20.5

Performance	
Requested Volume (CFM)	4,000
Actual Volume (CFM)	3,875
External SP (in. wg)	1.5
Total SP (in. wg)	1.408
Fan RPM	1400
Operating Power (hp)	1.67
Elevation (ft)	692
Airstream Temp.(F)	70
Air Density (lb/ft3)	0.073
Tip Speed (ft/min)	6,781
Static Eff. (%)	51

Motor	
Motor Mounted	Yes
Size (hp)	2
Voltage/Cycle/Phase	208/60/1
Enclosure	TEFC
Motor RPM	1400
Windings	1
FLA (Amps)	12



- △ Operating Bhp point
  - Operating point at Total SP
  - Operating point at External SP
  - Fan curve
  - - - System curve
  - · · Brake horsepower curve
- |                             |                     |
|-----------------------------|---------------------|
| External SP                 | 1.5 in. wg          |
| Direct Drive RPM Adjustment | -0.092 in. wg       |
| <b>Total SP</b>             | <b>1.408 in. wg</b> |

**Sound Power by Octave Band**

Sound Data	62.5	125	250	500	1000	2000	4000	8000	LwA	dBA	Sones
Inlet	79	82	88	79	74	72	68	64	83	71	20

**Notes:**

All dimensions shown are in units of in.  
 \*FLA - based on tables 150 or 148 of National Electrical Code 2002. Actual motor FLA may vary, for sizing thermal overload, consult factory.  
 LwA - A weighted sound power level, based on ANSI S1.4 dBA - A weighted sound pressure level, based on 11.5 dB attenuation per Octave band at 5 ft - dBA levels are not licensed by AMCA International  
 Sones - calculated using AMCA 301 at 5 ft



## Model: XRUD-180-VG

### Direct Drive Upblast Centrifugal Roof Exhaust Fan

#### **Standard Construction Features:**

- Aluminum housing - Backward inclined aluminum wheel - Aluminum curb cap with prepunched mounting holes - Drain trough - Ball bearing motors (sizes 98-160), sleeve bearing motors (sizes 60-95) - Motor isolated on shock mounts - Corrosion resistant fasteners

#### **Selected Options & Accessories:**

Motor - Vari-Green EC motor w/Mounted Potentiometer Dial  
UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances"  
Switch, NEMA-1, Toggle, Shipped with Unit  
Junction Box Mounted & Wired  
Roof Curb-Galv., GPFV-30-G20, Under Sized 1 in. Total  
Hinged Base (Attached)  
Curb Seal (Attached)  
Grease Trap (PN 475538)  
Unit Warranty: 1 Yr (Standard)



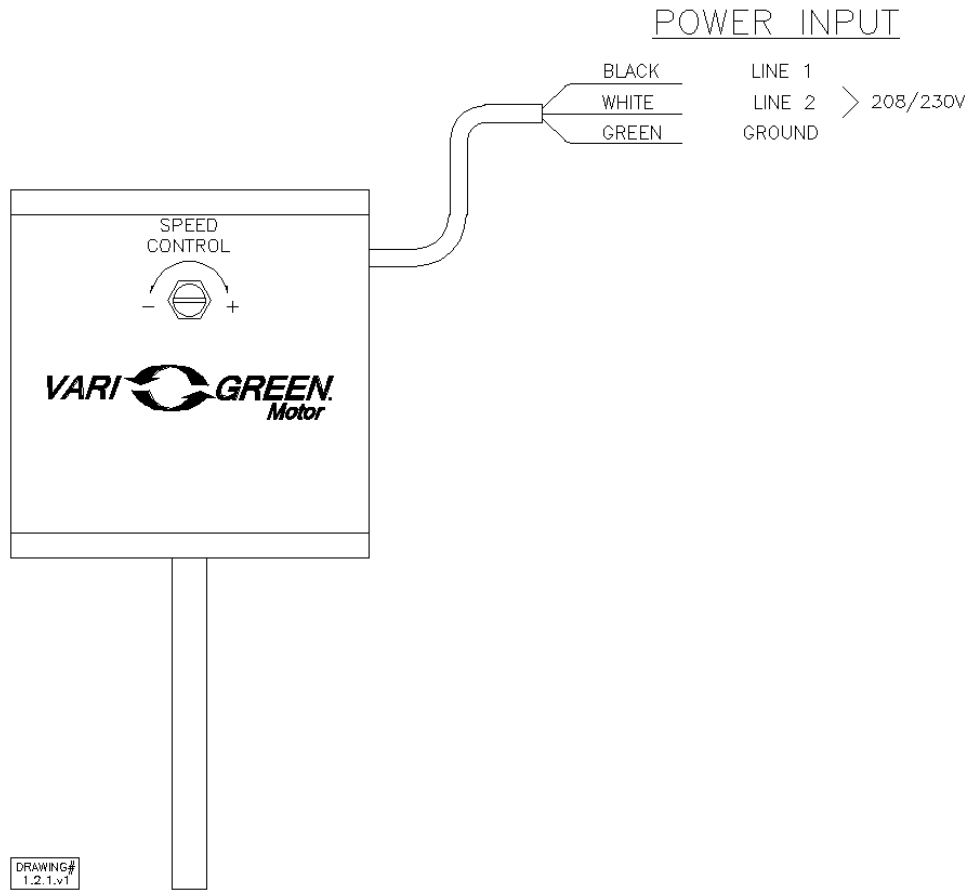
# Vari-Green Motor & Control Options

An EC motor that uses AC input power and internally converts it to DC power. Potentiometer (dial) mounted on the motor enclosure adjusts the speed (RPM) down 80%.

Motor Type:

Dial on Motor

## Wiring Diagram



## Vented Roof Curb

Model: GPFV

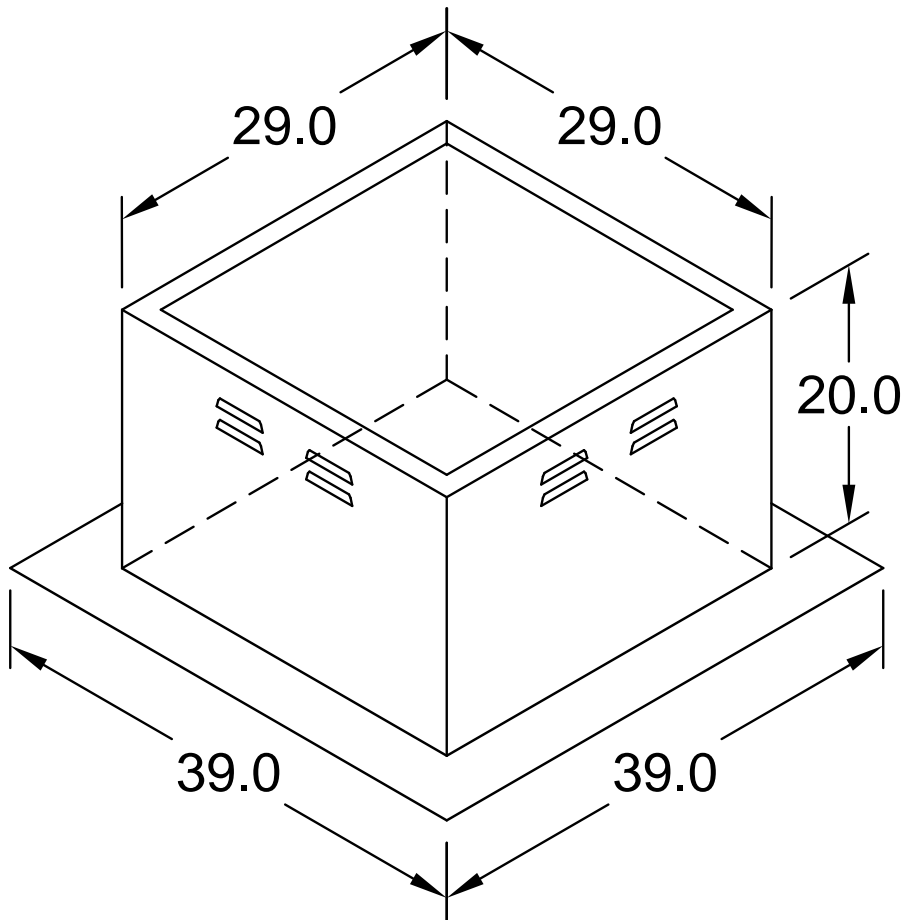
Material: Galvanized

### Standard Construction Features:

- Roof Curb fits between the building roof and the fan mounted directly to the roof support structure - Constructed of either 18 ga galvanized steel or 0.064 in. aluminum - Straight Sided without a cant - Includes louvered vents to vent heat - 5 in. mounting flange - Height - Designed to provide required 40 in. minimum discharge height above roof line when used with Greenheck model CUBE fan per NFPA 96

### Notes:

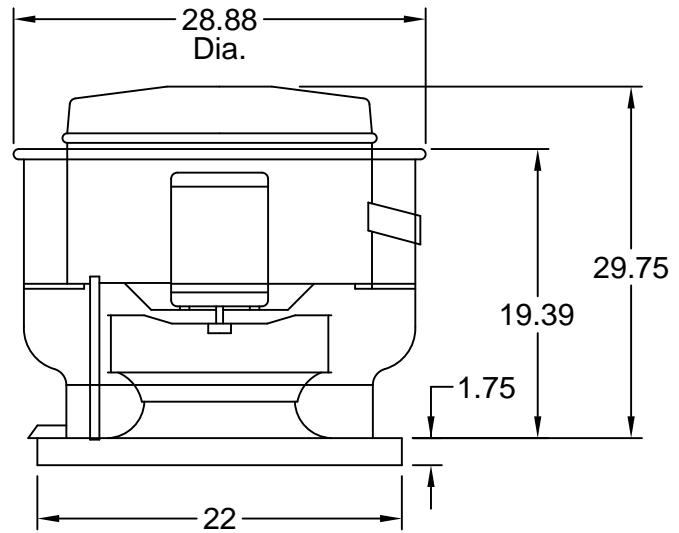
- The maximum roof opening dimension should not be greater than the "Actual" top outside dimension minus 2 in..
- The minimum roof opening dimension should be at least 2.5 in. more than the damper dimension or recommended duct size.
- The Roof Opening Dimension may NOT be the Structural Opening Dimension.
- Damper Trays are not available



Notes: All dimensions shown are in units of in.

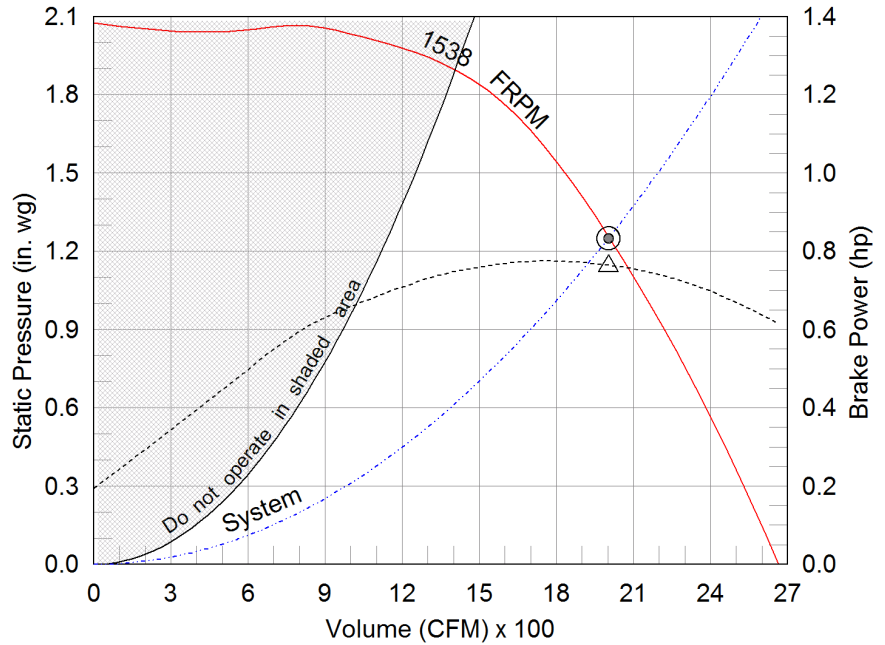
**Model: XRUD-161HP-VG**  
 Direct Drive Upblast Centrifugal Roof Exhaust Fan

Dimensional	
Quantity	1
Weight w/o Acc's (lb)	84
Weight w/ Acc's (lb)	124
Roof Opening (in.)	18.5 x 18.5



\*Overall height may be greater depending on motor

Performance	
Requested Volume (CFM)	2,002
Actual Volume (CFM)	2,002
External SP (in. wg)	1.25
Total SP (in. wg)	1.25
Fan RPM	1538
Operating Power (hp)	0.76
Elevation (ft)	692
Airstream Temp.(F)	70
Air Density (lb/ft3)	0.073
Tip Speed (ft/min)	6,694
Static Eff. (%)	52



- △ Operating Bhp point
- Operating point at Total SP
- Operating point at External SP
- Fan curve
- - - System curve
- - - Brake horsepower curve

Motor	
Motor Mounted	Yes
Size (hp)	1
Voltage/Cycle/Phase	208/60/1
Enclosure	ODP
Motor RPM	1725
Windings	1
NEC FLA* (Amps)	8.8
FLA (Amps)	8.6

**Sound Power by Octave Band**

Sound Data	62.5	125	250	500	1000	2000	4000	8000	LwA	dBA	Sones
Inlet	77	76	82	73	69	70	69	63	78	67	15.5

**Notes:**

All dimensions shown are in units of in.  
 \*FLA - based on tables 150 or 148 of National Electrical Code 2002. Actual motor FLA may vary, for sizing thermal overload, consult factory.  
 LwA - A weighted sound power level, based on ANSI S1.4 dBA - A weighted sound pressure level, based on 11.5 dB attenuation per Octave band at 5 ft - dBA levels are not licensed by AMCA International  
 Sones - calculated using AMCA 301 at 5 ft



## Model: XRUD-161HP-VG

Direct Drive Upblast Centrifugal Roof Exhaust Fan

### Standard Construction Features:

- Aluminum housing - Backward inclined aluminum wheel - Aluminum curb cap with prepunched mounting holes - Drain trough - Ball bearing motors (sizes 98-160), sleeve bearing motors (sizes 60-95) - Motor isolated on shock mounts - Corrosion resistant fasteners

### Selected Options & Accessories:

Motor - Vari-Green EC motor w/Mounted Potentiometer Dial  
Standard curb cap size - 22 in. square  
UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances"  
Switch, NEMA-1, Toggle, Shipped Separate  
Roof Curb-Galv., GPFV-22-G24, Under Sized 1 in. Total  
Hinged Base (Attached)  
Curb Seal (Attached)  
Grease Trap (PN 475538)  
Unit Warranty: 1 Yr (Standard)

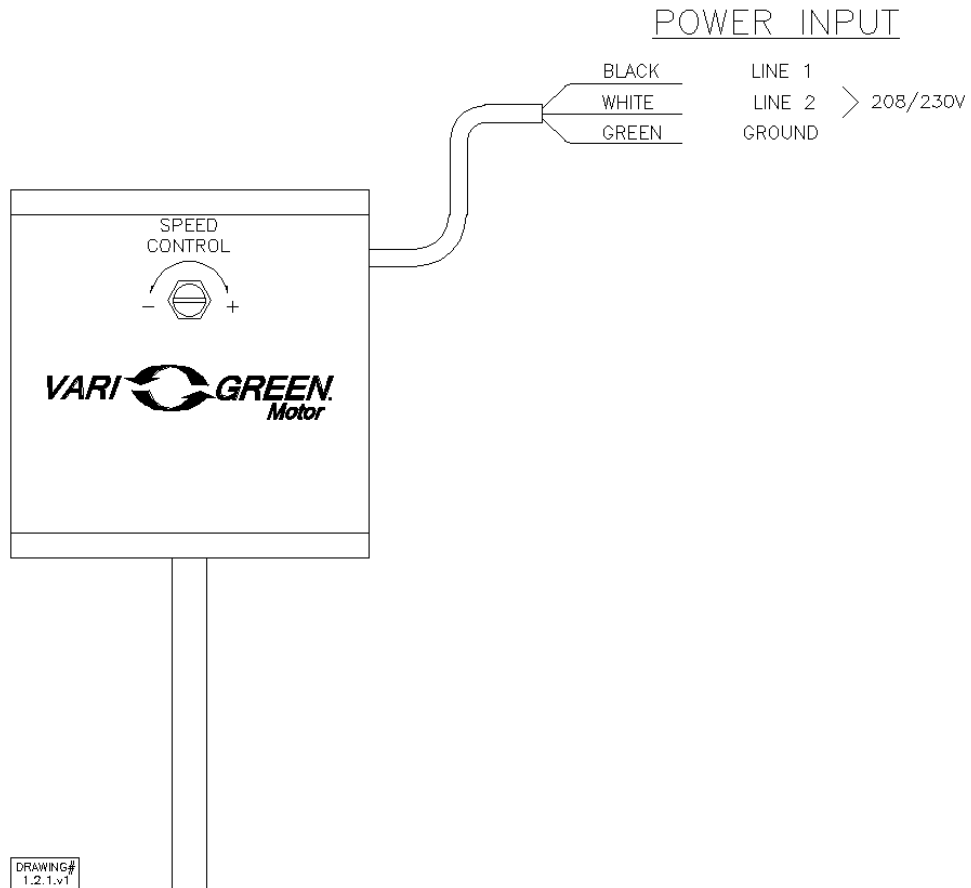
# Vari-Green Motor & Control Options

An EC motor that uses AC input power and internally converts it to DC power. Potentiometer (dial) mounted on the motor enclosure adjusts the speed (RPM) down 80%.

Motor Type:

Dial on Motor

## Wiring Diagram



## Vented Roof Curb

Model: GPFV

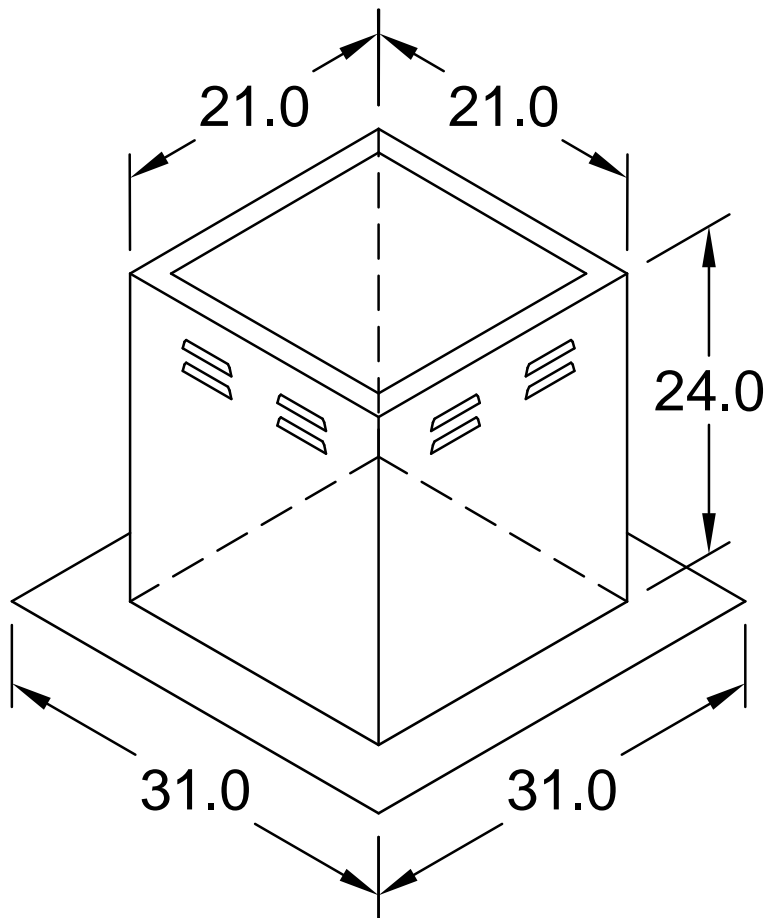
Material: Galvanized

### Standard Construction Features:

- Roof Curb fits between the building roof and the fan mounted directly to the roof support structure - Constructed of either 18 ga galvanized steel or 0.064 in. aluminum - Straight Sided without a cant - Includes louvered vents to vent heat - 5 in. mounting flange - Height - Designed to provide required 40 in. minimum discharge height above roof line when used with Greenheck model CUBE fan per NFPA 96

### Notes:

- The maximum roof opening dimension should not be greater than the "Actual" top outside dimension minus 2 in..
- The minimum roof opening dimension should be at least 2.5 in. more than the damper dimension or recommended duct size.
- The Roof Opening Dimension may NOT be the Structural Opening Dimension.
- Damper Trays are not available



Notes: All dimensions shown are in units of in.

**XFCC-1**

Kitchen Fan Control Center (XFCC)

**Standard Construction Features:**

- UL Listed to Standard 891
- 12 x 20 x 6 Stainless Steel Enclosure
- Fan Starters (Contactor or Contactor and Overload) - 2 Starters Provided
- Prewired with Wiring Diagram
- Temperature Interlock includes microcontroller with digital display for accurate temperature set point
- Temperature Interlock Complies with International Mechanical Code 2006 section 507.2.1.1

**Options & Accessories:**

Mounting Option	Right Cabinet on Rotisserie hood
Exhaust Fan Quantity	2
Light Switch	1 - 2 Position Light Switch
Fan Switch	1 - 2 Position Fan Switch
Switch Mounting Location	Utility Cabinet - Right End of Hood - Right Cabinet on
Turn On Exhaust In Fire	Exhaust fans will run when in fire mode.
Lights Out In Fire	Lights will turn off when in fire mode.
Power For Shunt Trip	120 volt power to shunt trip breaker activates when in fire mode.
Temp Interlock Sensors (Installed)	4

**Controlled Fans:**

Fan Mark	Fan Type	Supplied By	Phase	HP	Voltage	Speed	RPM	Thermal Overload	NEC FLA	Redundant Starter
Fryer Exhaust Fan	Exhaust	Manufacturer	1	1	208	1	1725	Yes	8.800	No
Rotisserie Exhaust Fan	Exhaust	Manufacturer	1	2	208	1	1400	Yes	13.200	No

**Hood Section(s) Controlled by Temperature Interlock:**

Hood Mark and Section	Sensor Type	Quantity of Sensors	Sensor Installation
Fryer Hood Section 1	Digital	2	Installed in Capture Tank
Rotisserie hood Section 1	Digital	2	Installed in Capture Tank

