

CONSTRUCTION PLANS FOR CULVER'S OF CAMDENTON

70 JACK CROWELL ROAD
CAMDENTON, MO
CAMDEN COUNTY



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UTILITY NOTE:
THIS PLAN REFLECTS ABOVE GROUND INDICATIONS OF UTILITIES AND INFORMATION AVAILABLE FROM UTILITY COMPANIES. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.



LOCATION MAP
N. T. S.

No.	Revision	By	Date

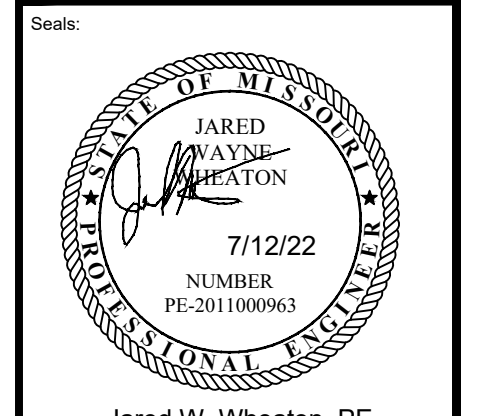
CAD File: const plans
Field Book: N/A
Drawn By: AJK
Approved By: JWW

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E - 2017004119

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Jared W. Wheaton, PE
MO # PE 2011000963

Consultants:

Project:
CULVER'S OF CAMDENTON
70 JACK CROWELL ROAD
CAMDENTON, MO
CAMDEN COUNTY

Sheet Title:
COVER SHEET

Date: 7-12-22
Scale: N.T.S.

Project Number:
12082-22-E1

Sheet Number:
G1.0

No.	Revision:	By:	Date:

CAD File: MEP
 Drawn By: CCS
 Approved By: JWW

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SHORELINE

SURVEYING & ENGINEERING

3048 Hwy. 52 Eldon, MO 65026
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Seal:

Jared W. Wheaton, PE
 MO # PE 2011000963

Consultants:

Project:

CULVER'S OF CAMDENTON
 70 JACK CROWELL ROAD
 CAMDENTON, MO
 CAMDEN COUNTY

Sheet Title:

**HVAC PLAN
 SUPPLY AIR**

Date: 07/12/2022
 Scale: AS SHOWN

Project Number:
 12082-22:E1

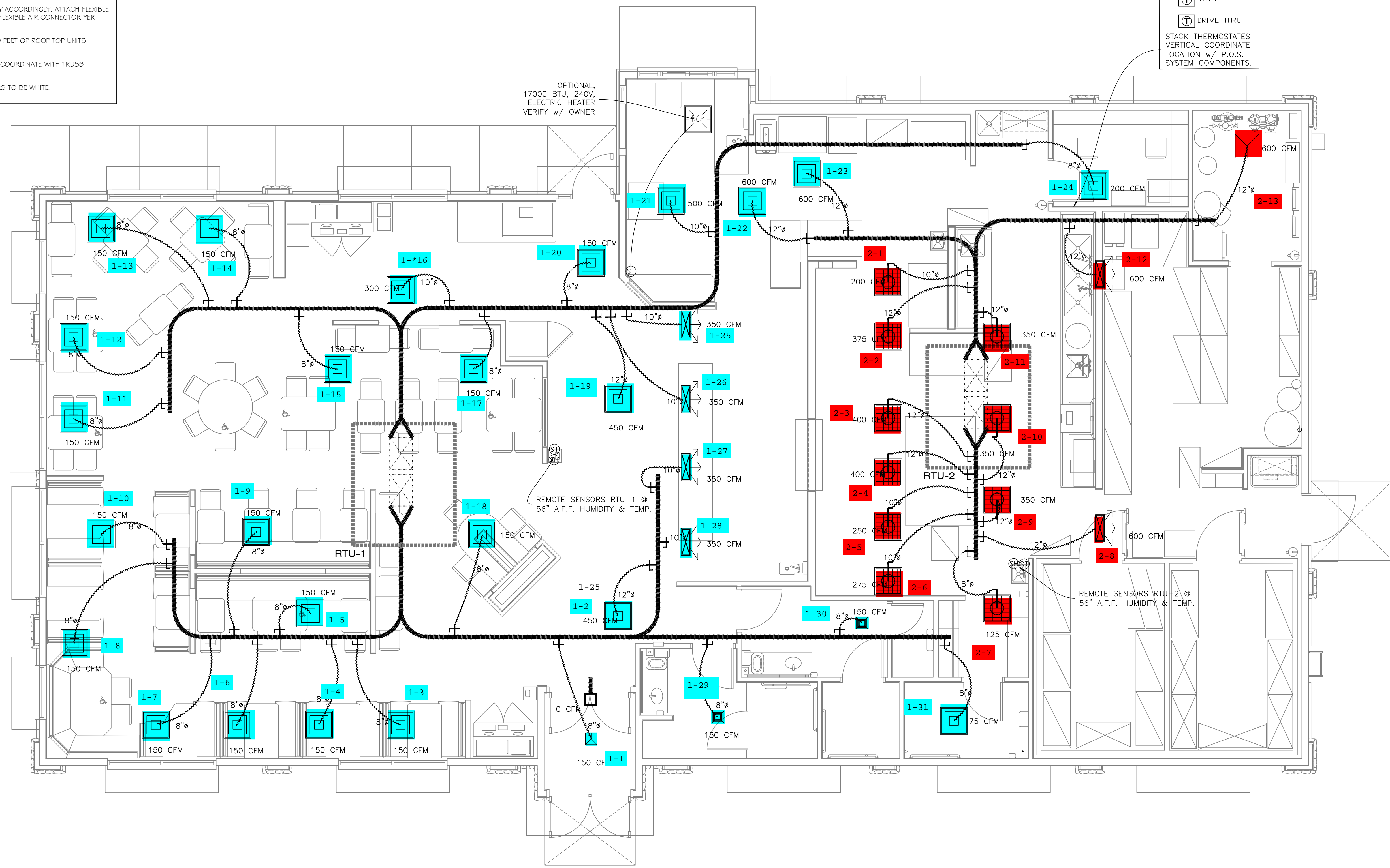
Sheet Number:
M1.0

- GENERAL NOTES:**
1. VERIFY ALLOWABLE FLEX DUCT LENGTHS WITH LOCAL CODES AND MODIFY ACCORDINGLY. ATTACH FLEXIBLE AIR CONNECTOR TO RIGID DUCT w/STEEL DRAW BANDS ONLY. CLASS 1 FLEXIBLE AIR CONNECTOR PER U.L.181 - MAX LENGTH 8'-0". PROVIDE SUPPORT AT 4'-0" O.C.
 2. VENTING OF ANY COMBUSTIBLE BY-PRODUCTS IS PROHIBITED WITHIN 10 FEET OF ROOF TOP UNITS. VERIFY WITH LOCAL BUILDING INSPECTOR.
 3. ALL SUPPLY AND RETURN DUCTWORK TO BE LOCATED IN TRUSS SPACE. COORDINATE WITH TRUSS SUPPLIER.
 4. DIFFUSERS AND RETURN GRILLES IN BLACK ACT TO BE BLACK, ALL OTHERS TO BE WHITE.

HVAC LEGEND:

WD-20 ← DIFFUSER DESIGNATION
 600 CFM ← DIFFUSER C.F.M.

- CD CEILING DIFFUSER W/ C.F.M. - 4 WAY
- CD PERFORATED CEILING DIFFUSER
- CD CEILING DIFFUSER W/ C.F.M. - 3 WAY
- CD CEILING DIFFUSER W/ C.F.M. - 2 WAY
- RG RETURN DIFFUSER - SUSP. CEILING
- EG EXHAUST GRILLE
- PRV POWER ROOF VENT
- ECH ELECTRIC CEILING HEATER
- WD - WALL OR BULKHEAD SUPPLY GRILLE - LINEAR
- TG - TRANSFER GRILL
- SH - SENSOR HUMIDITY
- ST - SENSOR TEMPERATURE



PROJECT NORTH

HVAC PLAN - SUPPLY AIR
 1/4" = 1'-0"

RTU SCHEDULE						
TAG	TONNAGE	ELECTRICAL	SEER	COOLING BTU	MAX. CFM	GAS CONNEX.
RTU1	20	208/230V, 3PH, 60 HTZ	11	240,000	7000	3/4"
RTU2	25	208/230V, 3PH, 60 HTZ	12	290,000	8200	3/4"

THE EQUIPMENT ROUGH-IN ITEMS AND THEIR DIMENSIONED LOCATIONS FOR ALL CONNECTIONS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE AND SHALL BE VERIFIED WITH THE EQUIPMENT SUPPLIER, OWNER AND/OR THE EQUIPMENT INSTALLER. IN SOME INSTANCES, THE OWNER OR SUPPLIER MAY MAKE SUBSTITUTIONS OR THE EQUIPMENT ITEM MAY VARY FROM WHAT IS SHOWN. THEREFORE, THE ARCHITECT/ENGINEER SHALL BE IMMEDIATELY NOTIFIED PRIOR TO CONSTRUCTION OF ANY DEVIATIONS FROM WHAT IS SHOWN OR IMPLIED ON THESE DRAWINGS. FAILURE OF THE APPROPRIATE CONTRACTOR TO VERIFY ROUGH-INS OR THEIR LOCATIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION AND/OR ADDITIONAL ROUGH-INS DIRECTLY UPON THE CONTRACTOR.

No.	Revision:	By:	Date:

CAD File: MEP
 Drawn By: CCS
 Approved By: JWW

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Seal:

Jared W. Wheaton, PE
 MO # PE 2011000963

Consultants:

Project:
 CULVER'S OF CAMDENTON
 70 JACK CROWELL ROAD
 CAMDENTON, MO
 CAMDEN COUNTY

Sheet Title:
 HVAC PLAN
 RETURN AIR

Date: 07/12/2022
 Scale: AS SHOWN

Project Number:
 12082-22:E1

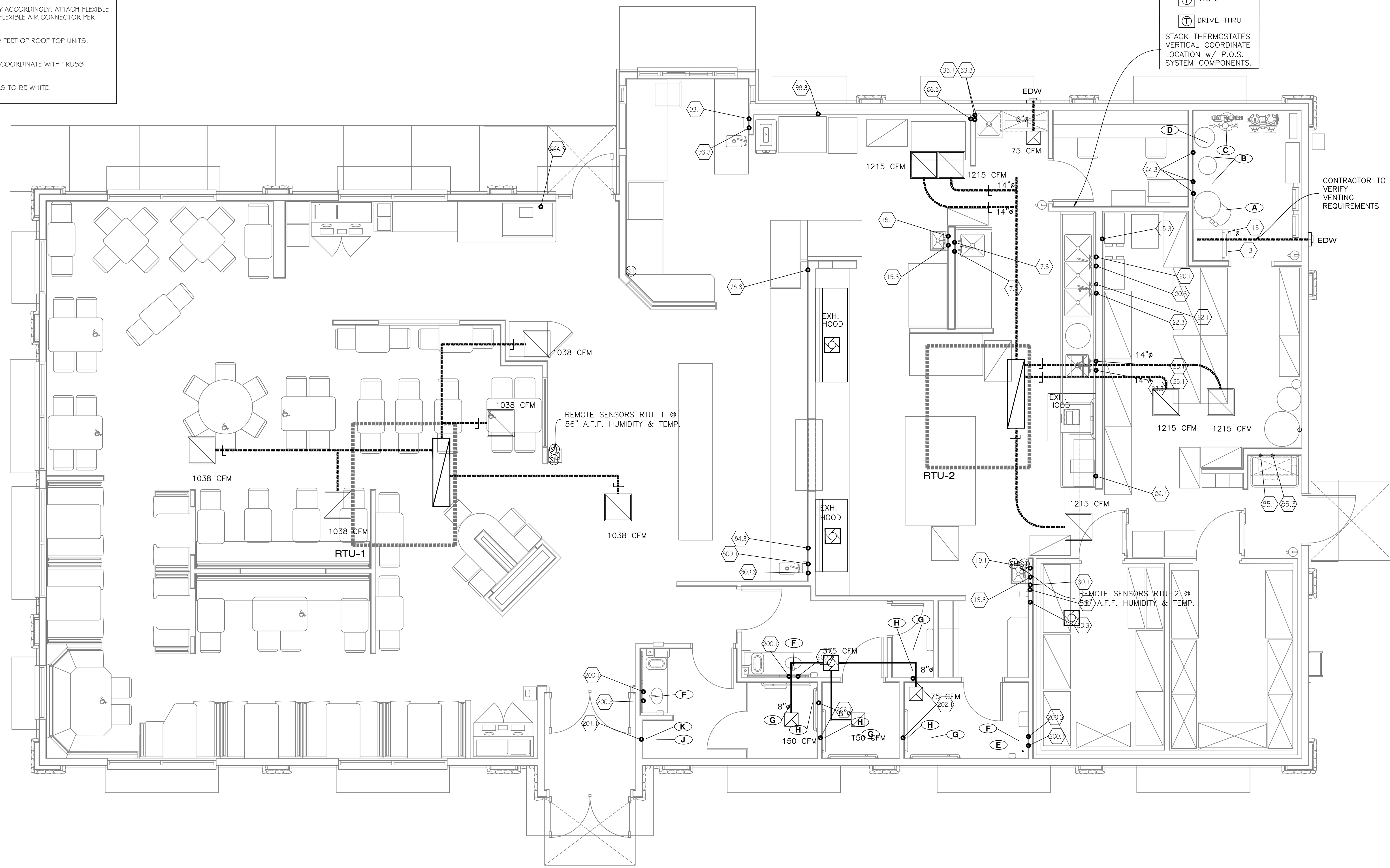
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- GENERAL NOTES:**
1. VERIFY ALLOWABLE FLEX DUCT LENGTHS WITH LOCAL CODES AND MODIFY ACCORDINGLY. ATTACH FLEXIBLE AIR CONNECTOR TO RIGID DUCT w/STEEL DRAW BANDS ONLY. CLASS 1 FLEXIBLE AIR CONNECTOR PER U.L.181 - MAX LENGTH 8'-0". PROVIDE SUPPORT AT 4'-0" O.C.
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 4. DIFFUSERS AND RETURN GRILLES IN BLACK ACT TO BE BLACK, ALL OTHERS TO BE WHITE.

HVAC LEGEND:

WD-20 ← DIFFUSER DESIGNATION
 600 CFM ← DIFFUSER C.F.M.

- CD CEILING DIFFUSER W/ C.F.M. - 4 WAY
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- CD CEILING DIFFUSER W/ C.F.M. - 2 WAY
- RG RETURN DIFFUSER - SUSP. CEILING
- EG EXHAUST GRILLE
- PRV POWER ROOF VENT
- ECH ELECTRIC CEILING HEATER
- WD - WALL OR BULKHEAD SUPPLY GRILLE - LINEAR
- TG - TRANSFER GRILLE
- SH - SENSOR HUMIDITY
- ST - SENSOR TEMPERATURE



HVAC PLAN - RETURN AIR
 1/4" = 1'-0"

THE EQUIPMENT ROUGH-IN ITEMS AND THEIR DIMENSIONED LOCATIONS FOR ALL CONNECTIONS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE AND SHALL BE VERIFIED WITH THE EQUIPMENT SUPPLIER, OWNER AND/OR THE EQUIPMENT ROUGH-IN DRAWINGS. IN SOME INSTANCES, THE OWNER OR SUPPLIER MAY MAKE SUBSTITUTIONS OR THE EQUIPMENT ITEM MAY VARY FROM WHAT IS SHOWN. THEREFORE, THE ARCHITECT/OWNER SHALL BE IMMEDIATELY NOTIFIED PRIOR TO CONSTRUCTION OF ANY DEVIATIONS FROM WHAT IS SHOWN OR IMPLIED ON THESE DRAWINGS. FAILURE OF THE APPROPRIATE CONTRACTOR TO VERIFY ROUGH-INS OR THEIR LOCATIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION AND/OR ADDITIONAL ROUGH-INS DIRECTLY UPON THE CONTRACTOR.

HOOD INFORMATION																	
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	TOTAL CFM	EXHAUST					SUPPLY		TOTAL WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT				COLLAR(S)		CFM	S.P.	MUA CFM	AC CFM			
1	GRIDDLE HOOD	XGEP-64-S	64	TOP 23 BOT 8	FRT 12 BACK 36	430 SS WHERE EXPOSED	MEDIUM	1500	12	12		1500	1.918			136.8	SINGLE

FIRE SYSTEM INFORMATION									
MARK	MODEL	LOCATION	FLOW POINTS		SUPPLY LINE	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM		
			HOODS	PCU			GRIDDLE HOOD SECTION 1		
FIRE SUPPRESSION-GRIDDLE HOOD	ANSUL R-102 WET CHEMICAL	REMOTE MOUNTED	6 UTILIZED	11 AVAILABLE	CONTINUOUS	FUSIBLE LINK			

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	SIZE	MODEL	CONTROLS
1	GRIDDLE HOOD					GREASE GRABBER	4	16					
						STAINLESS STEEL	0	20					

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

HOOD OPTIONS				SPECIAL DESIGN REQUESTS			
UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625 BACK NON-INTEGRAL AIR SPACE - 3 IN WIDE 26 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED FACTORY MOUNTED EXHAUST COLLAR(S) PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH				SDR #K1100145 - FLUE BYPASS HOOD SDR #K1800144 - CULVERS 4VAT 2FIRE PROCESS - GRIDDLE HOOD			

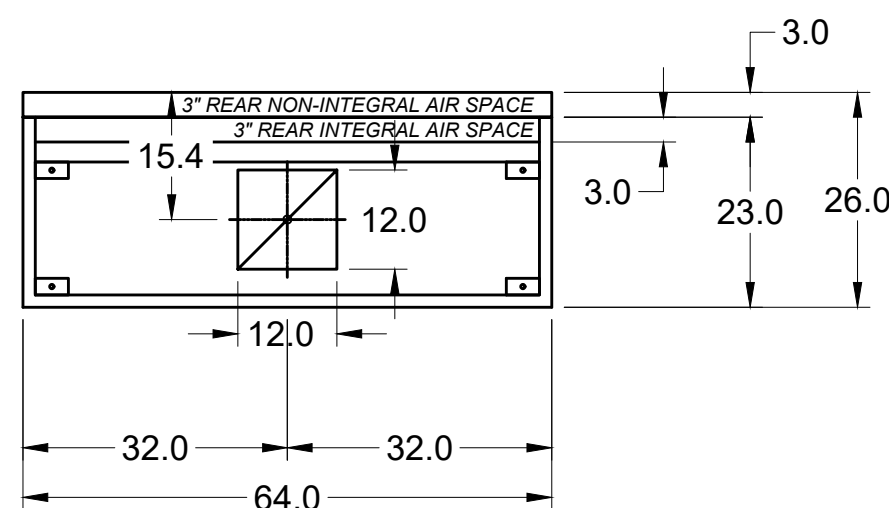
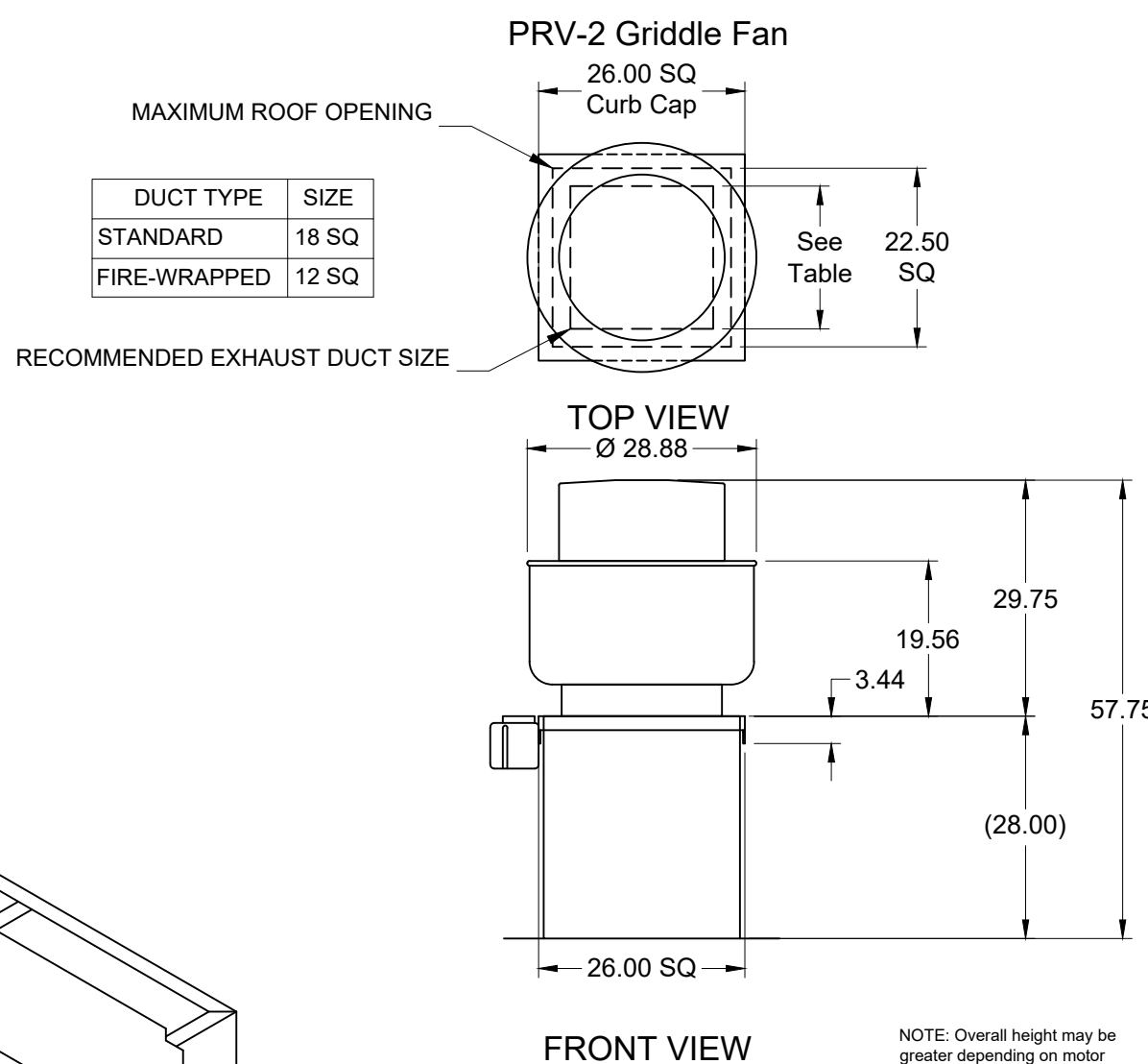
SPECIAL DESIGN REQUESTS
 SDR #K1800144 - CULVERS 4VAT 2FIRE PROCESS - GRIDDLE HOOD

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	PRV-2 Griddle Fan	XCUE-140-VG	1,500	1.799	1,725	0.83	92	1	115/60/1	OP	1725	1	16

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

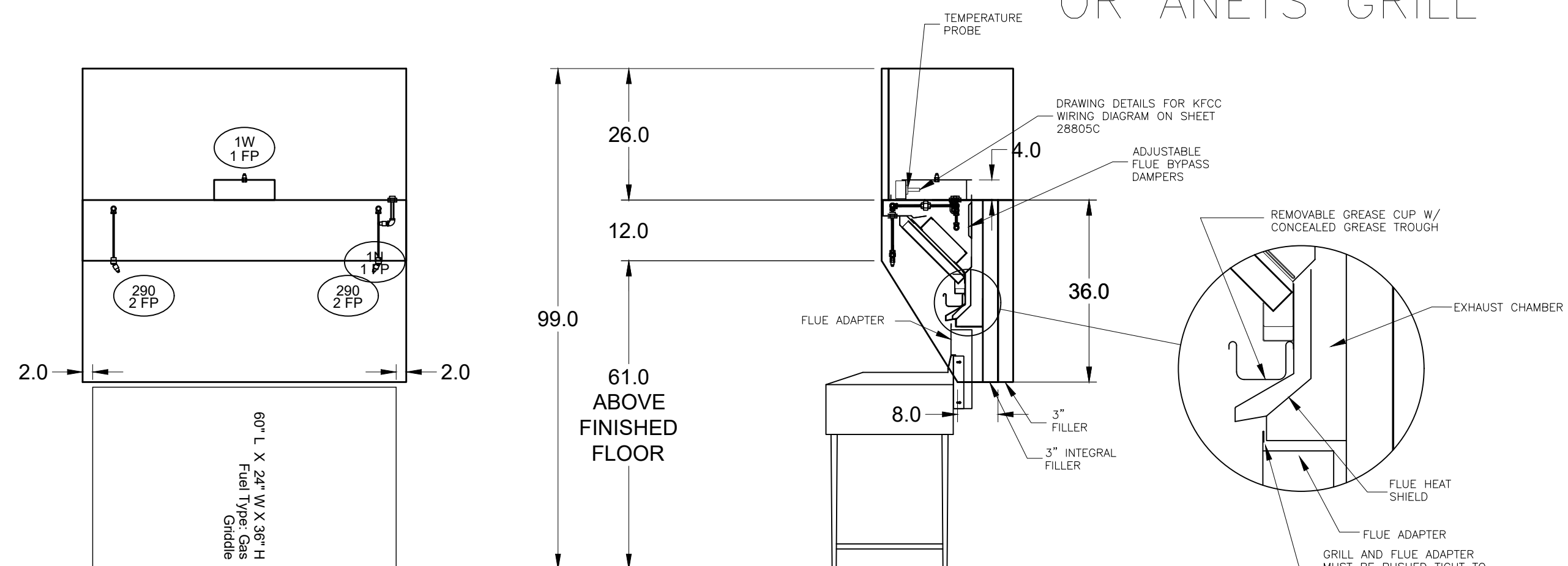
PRV-2 Griddle Fan - SELECTED OPTIONS AND ACCESSORIES

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 - 26 Square
 UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances"
 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)
 Clean-out Port - Factory Installed



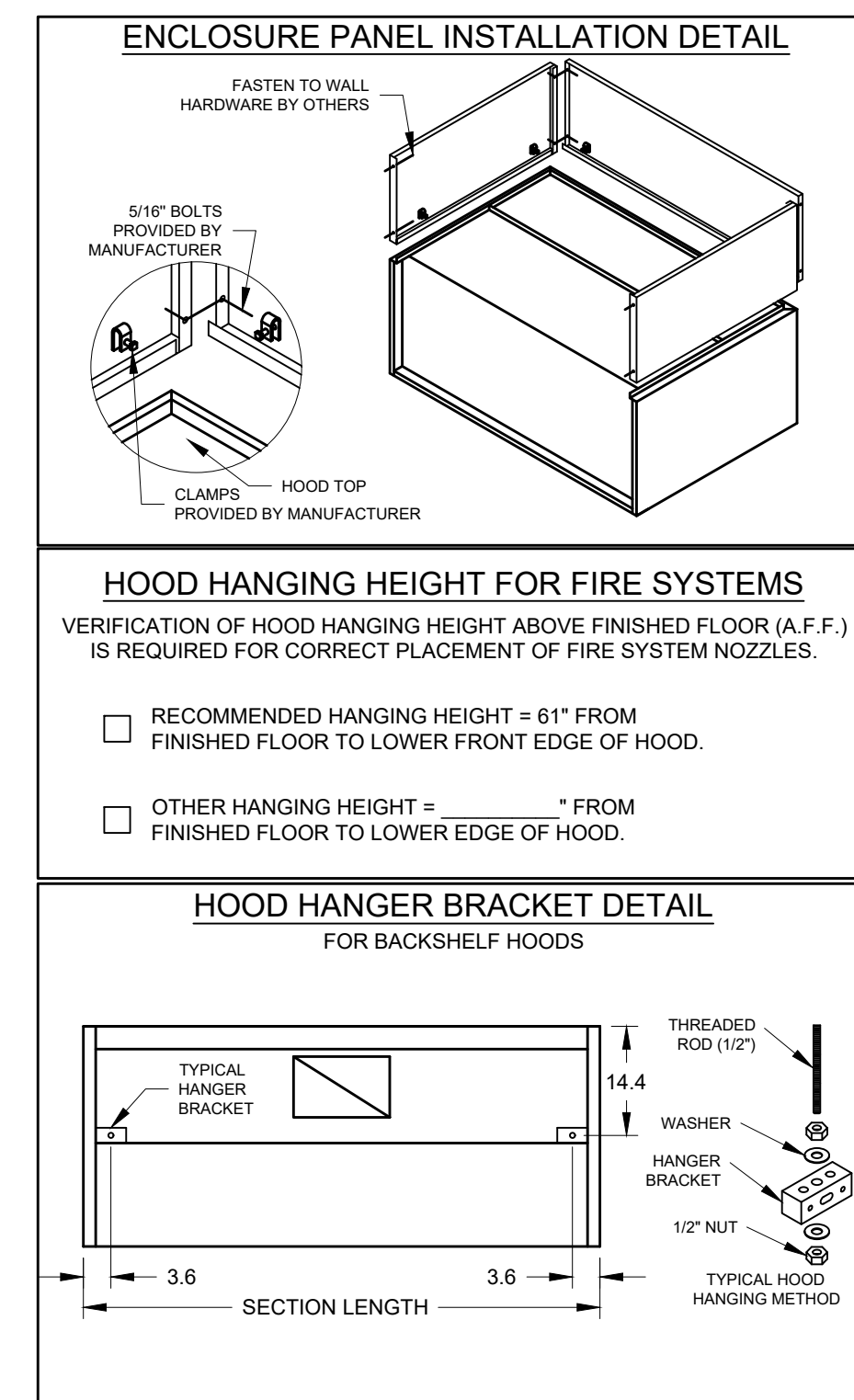
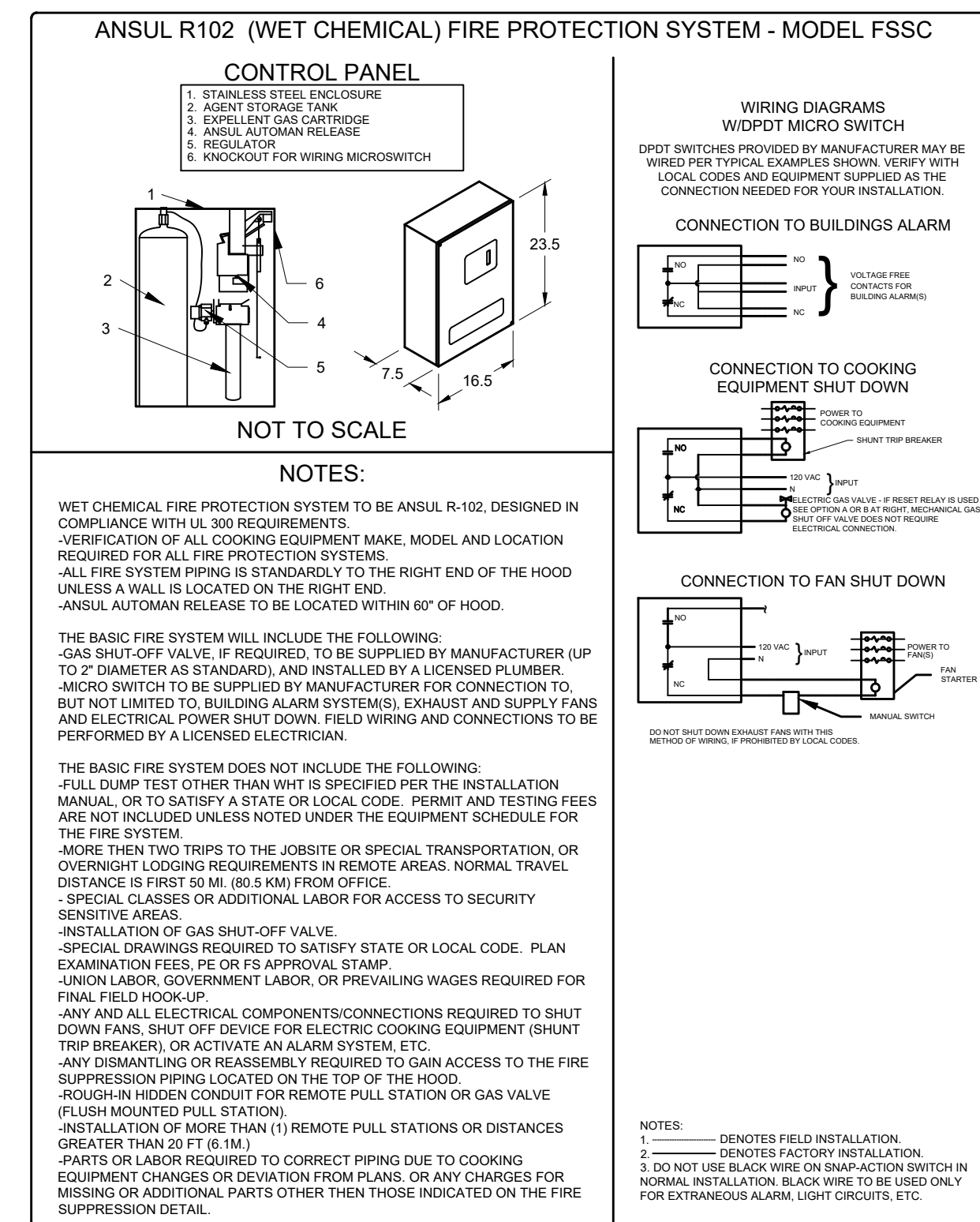
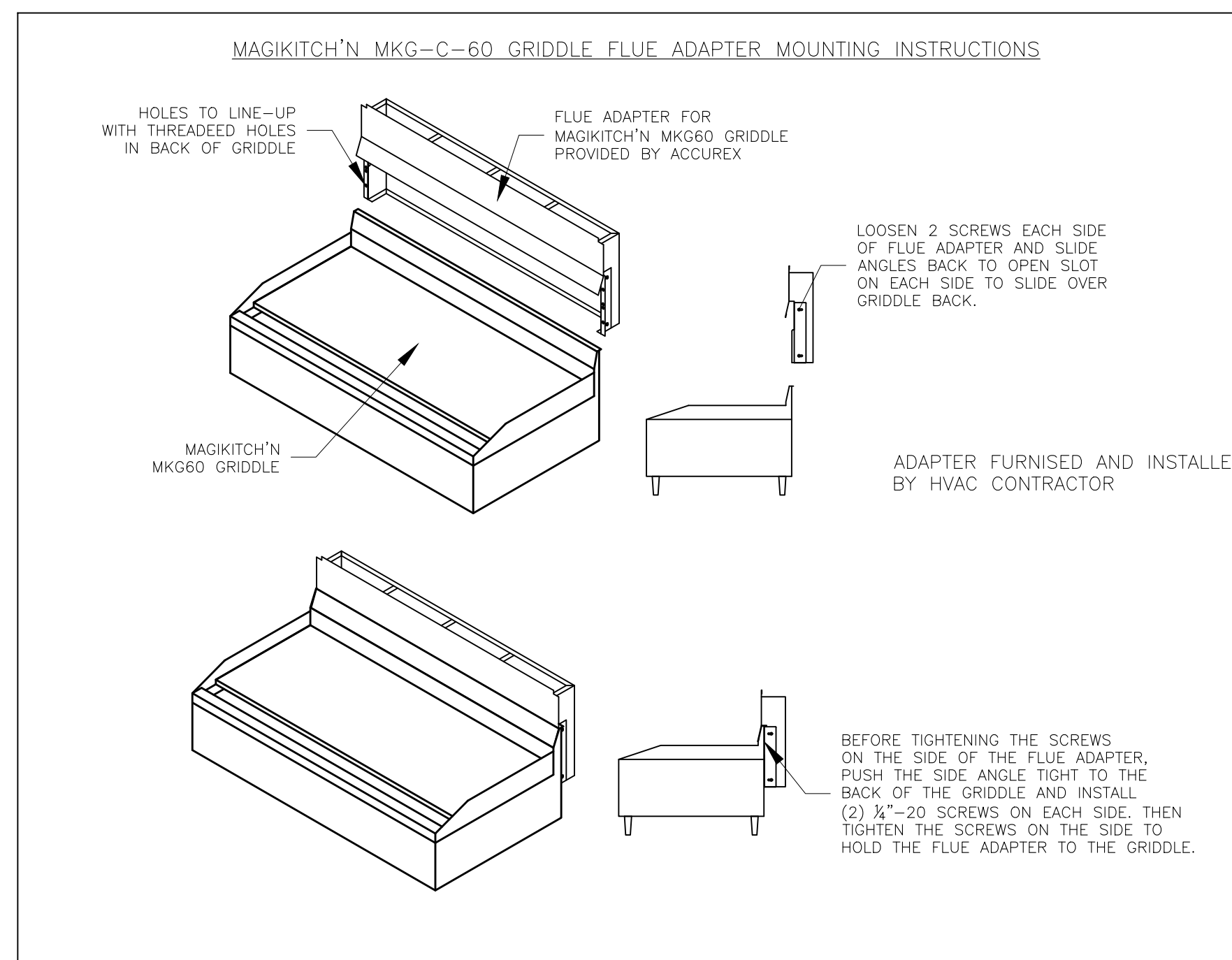
MARK: Griddle Hood - SECTION 1 PLAN VIEW

MUST USE WITH MAGIKITCH'N MODEL MKG-C-60
 VERIFY MAGIKITCHEN OR ANETS GRILL
 60" MAGIKITCH'N GRIDDLE FLUE ADAPTER



SECTION 1 ELEVATION VIEW

MARK: Griddle Hood SECTION VIEW



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	FRYER HOOD	XXEP-83-S	83	TOP 23 BOT 3	FRT 12 BACK 36	430 SS WHERE EXPOSED	MEDIUM	1500	12	12		1500	0.518			169.1	SINGLE

MARK	MODEL	LOCATION	FLOW POINTS		SUPPLY LINE	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM
			HOODS	PCU			
FIRE SUPPRESSION-FRYER HOOD	ANSUL R-102 WET CHEMICAL	REMOTE MOUNTED	18 UTILIZED	22 AVAILABLE	CONTINUOUS	FUSIBLE LINK	FRYER HOOD SECTION 1

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 TYPE	SIZE	MODEL	CONTROLS INTERFACE
1	FRYER HOOD				X-TRACTOR STAINLESS STEEL	5	16 20	16				

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, 1.5", (ANSUL) - PART# ANSULMECHSHUTOFFVALVE150

HOOD SUPPRESSION TANK - INCLUDED - 6 GAL. - [(2) 3.0 TANK(S)]

REMOTE PULL STATION - STANDARD - FIELD INSTALLATION AT SINGLE POINT OF EGRESS

TANK ENCLOSURES (STAINLESS STEEL) FOR REMOTE MOUNTING - INCLUDED

HOOD OPTIONS

UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625

BACK NON-INTEGRAL AIR SPACE - 3 IN WIDE

26 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED

FACTORY MOUNTED EXHAUST COLLAR(S)

PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY

STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH

SPECIAL DESIGN REQUESTS

SDR #K1100559 - NEW PITCO 4L FRYER FLUE BYPASS SYSTEM

SDR #K1700974 - CULVERS 4VAT 2FIRE PROCESS - FRYER HOOD

SPECIAL DESIGN REQUESTS

SDR #K1700974 - CULVERS 4VAT 2FIRE PROCESS - FRYER HOOD

SDR #K1800795 - FIRE SYSTEM DUCT

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	PRV-3 Fryer Fan	XCUE-140-VG	1,500	1	1,366	0.46	92	1	115/60/1	OP	1725	1	16

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

PRV-3 Fryer Fan : 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 - 26 Square

UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances"

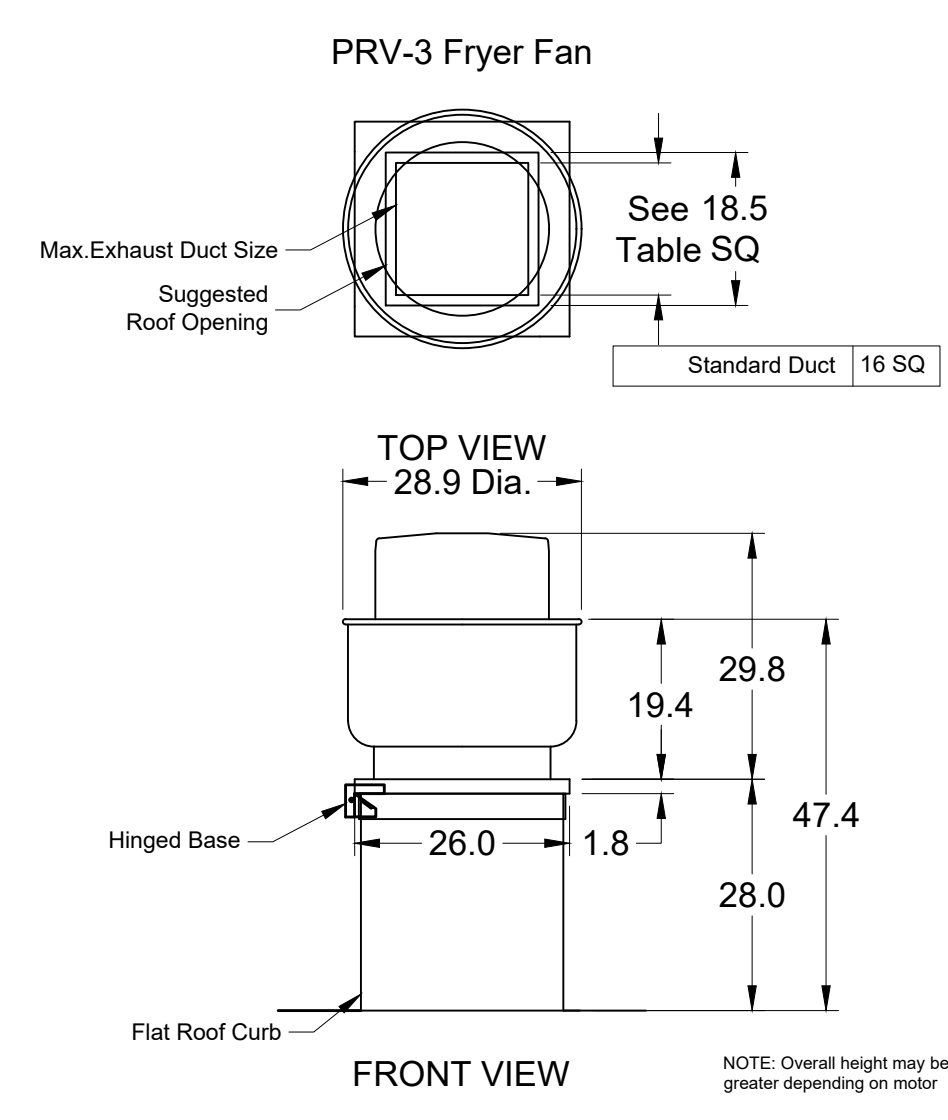
Switch, NEMA-3R, Toggle, Shipped with Unit

Hinge, Factory Installed

High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)

Grease Trap (PN 475538)

Clean-out Port - Factory Installed



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

CONTROL PANEL

- STAINLESS STEEL ENCLOSURE
- AGENT STORAGE TANK
- EXCELLENT GAS CARTRIDGE
- ANSUL AUTOMAN RELEASE
- REGULATOR
- KNOCKOUT FOR WIRING MICROSWITCH

WIRING DIAGRAMS

WIDEPOT 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

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:

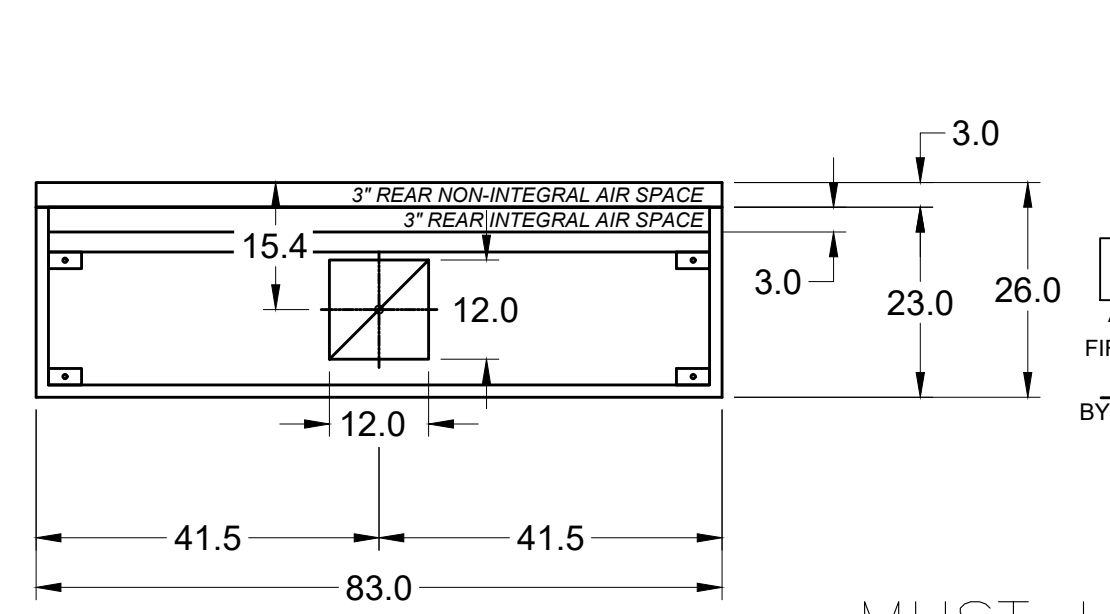
- GAS SHUT-OFF VALVE, IF REQUIRED, TO BE SUPPLIED BY MANUFACTURER (UP TO 2" DIAMETER AS STANDARD), AND INSTALLED BY A LICENSED PLUMBER.
- MICRO SWITCH TO BE SUPPLIED BY MANUFACTURER FOR CONNECTION TO, BUT NOT LIMITED TO, BUILDING ALARM SYSTEM(S), EXHAUST AND SUPPLY FANS AND ELECTRICAL POWER SHUT DOWN. FIELD WIRING AND CONNECTIONS TO BE PERFORMED BY A LICENSED ELECTRICIAN.

THE BASIC FIRE SYSTEM DOES NOT INCLUDE THE FOLLOWING:

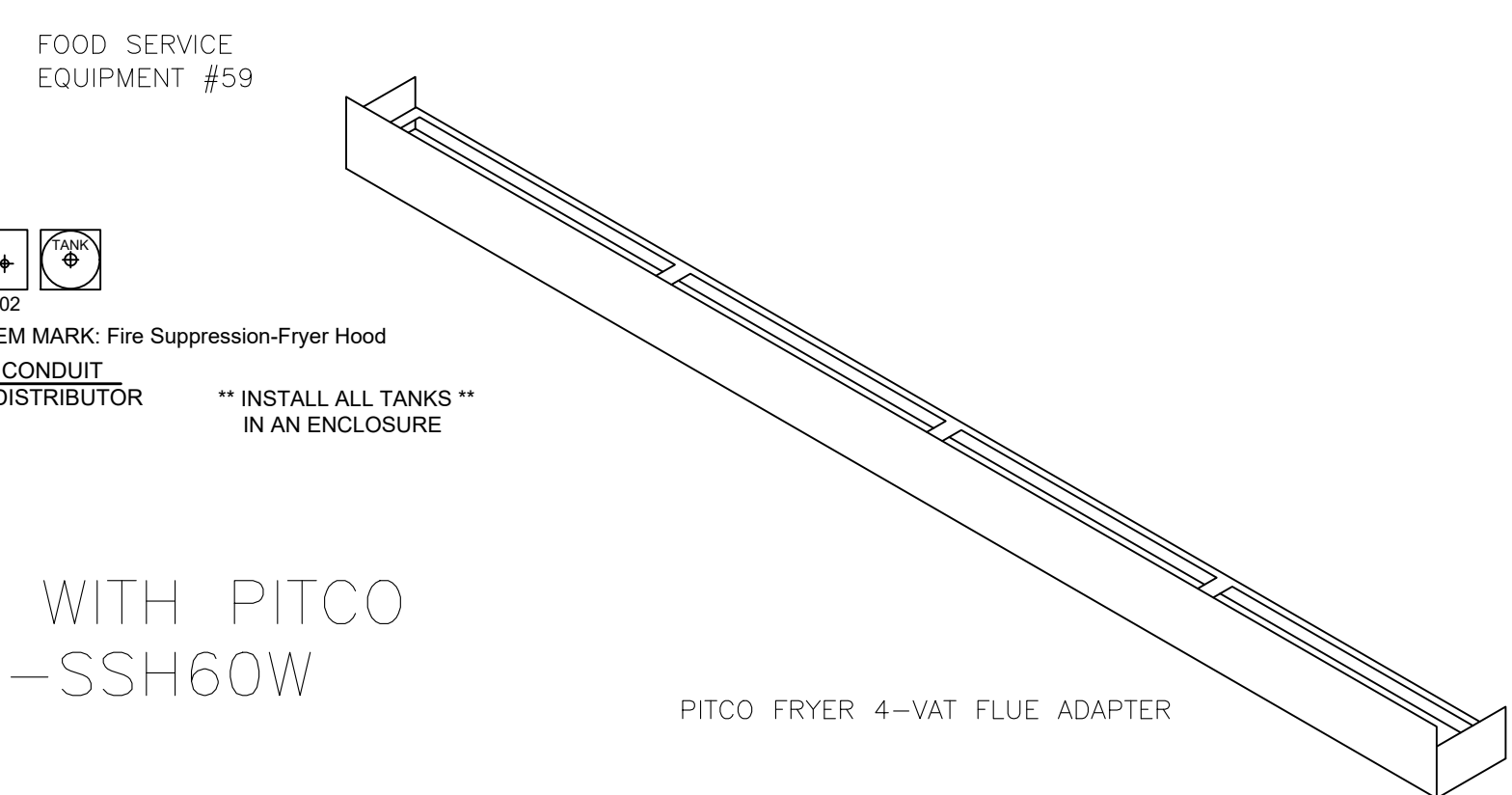
- FULL DUMP TEST OTHER THAN WHAT IS SPECIFIED PER THE INSTALLATION MANUAL, OR TO SATISFY A STATE OR LOCAL CODE. PERMIT AND TESTING FEES ARE NOT INCLUDED UNLESS NOTED UNDER THE EQUIPMENT SCHEDULE FOR THE FIRE SYSTEM.
- MORE THAN TWO TRIPS TO THE JOBSITE OR SPECIAL TRANSPORTATION, OR OVERWEIGHT LOADING REQUIREMENTS IN REMOTE AREAS. NORMAL TRAVEL DISTANCE IS FIRST 50 MI. (80.5 KM) FROM OFFICE.
- SPECIAL GLASSES 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.
- UNION LABOR, GOVERNMENT LABOR, OR PREVAILING WAGES REQUIRED FOR FINAL FIELD WORK-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.

NOTES:

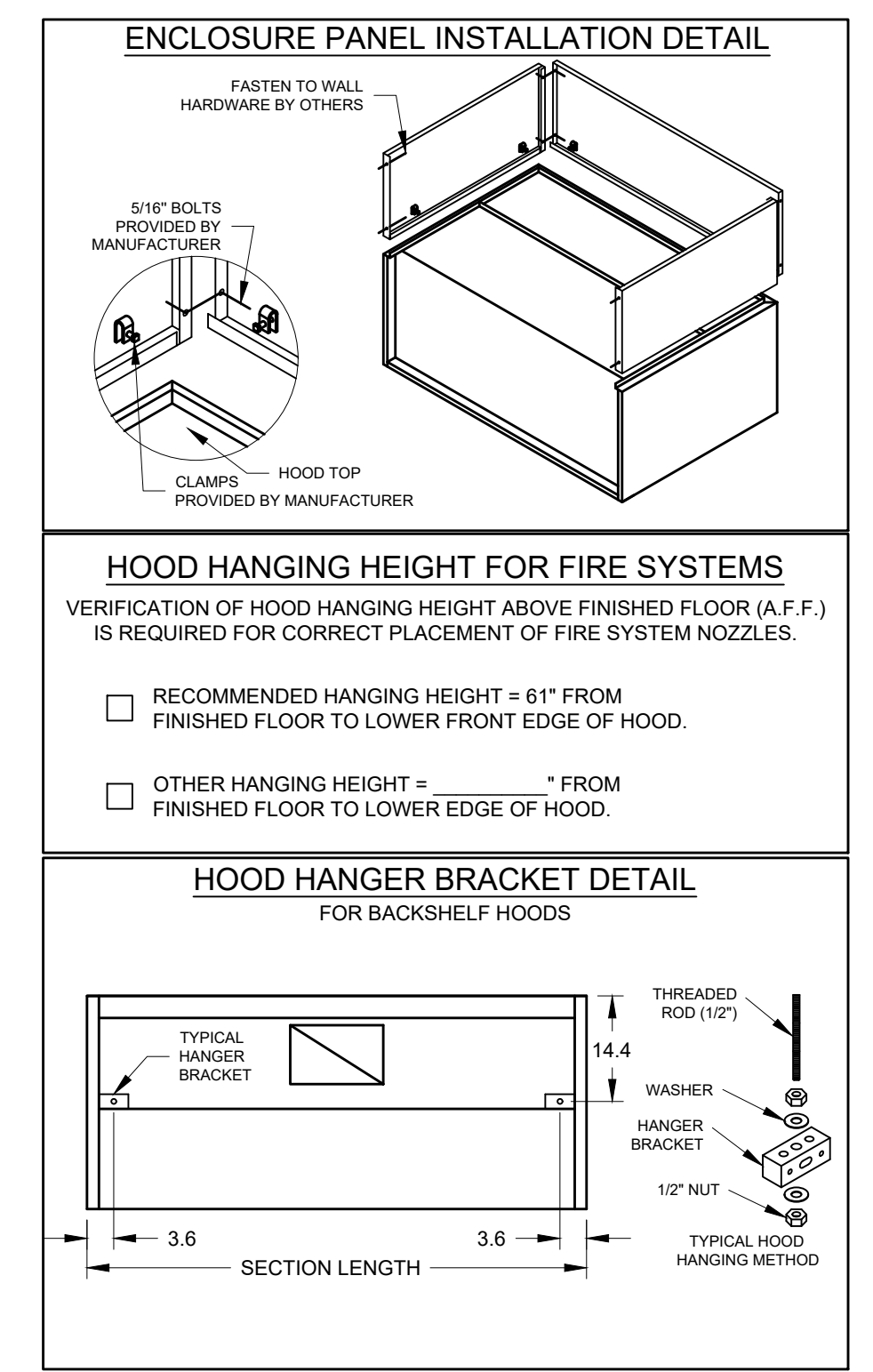
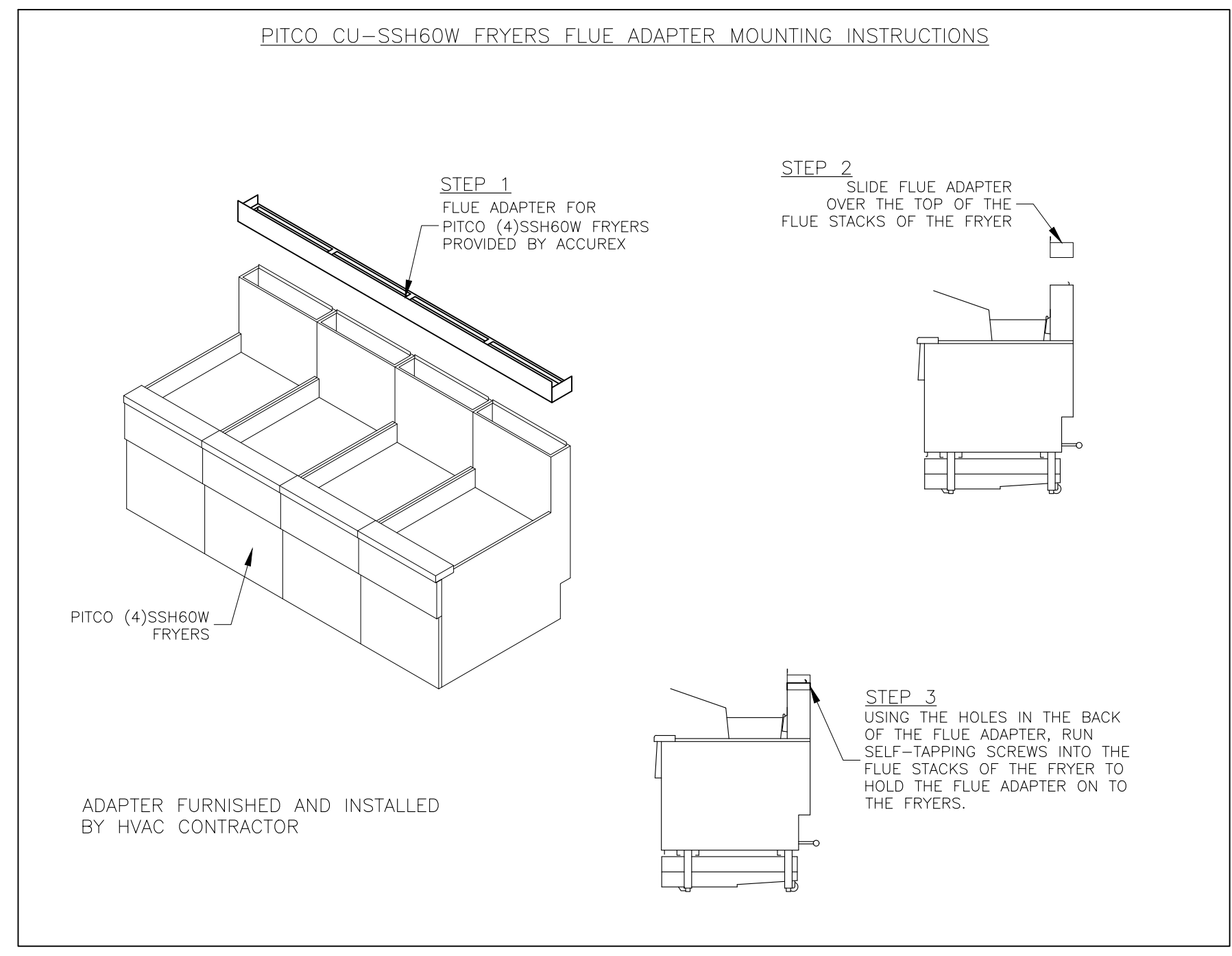
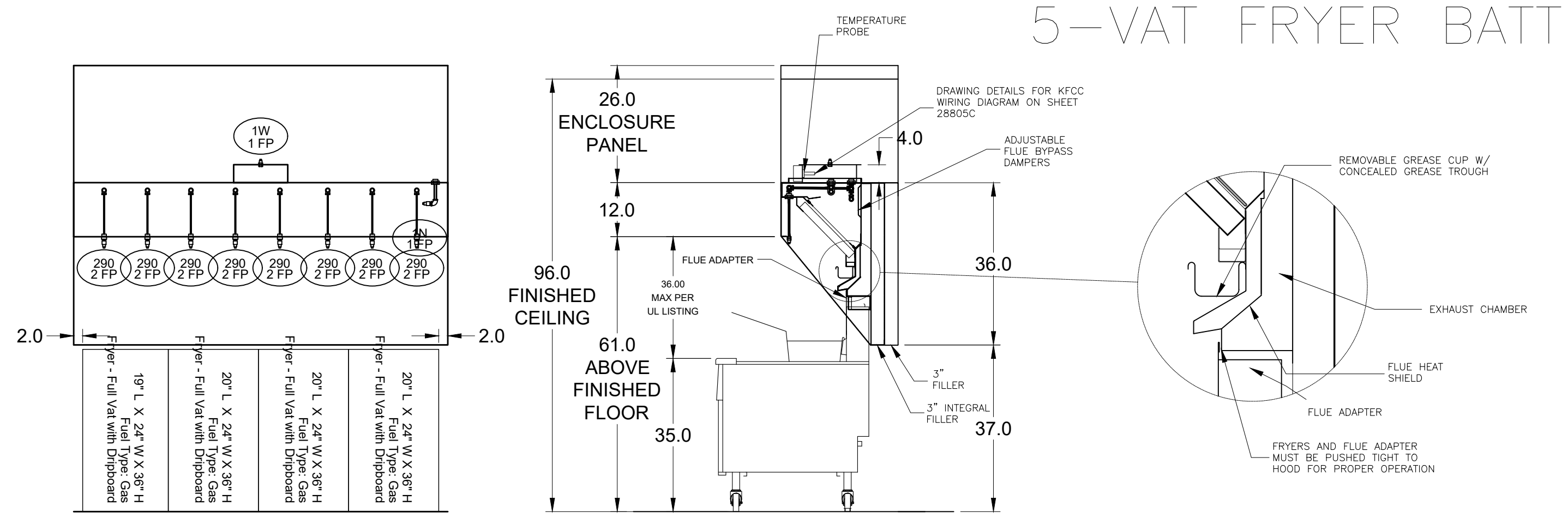
1. --- DENOTES FIELD INSTALLATION.
2. --- DENOTES FACTORY INSTALLATION.
3. DO NOT USE BLACK WIRE ON SNAP-ACTION SWITCH IN NORMAL INSTALLATION. BLACK WIRE TO BE USED ONLY FOR EXTRANEOUS ALARM, LIGHT CIRCUITS, ETC.



MUST USE WITH PITCO MODEL CU-SSH60W



VERIFY 4-VAT OR 5-VAT FRYER BATTERY



ACCUREX

PROJECT 12/4/2019

MARK

CULVERS - CAMDENTON, MO

FRYER HOOD

PRV-3 FRYER FAN

FIRE SUPPRESSION-FRYER HOOD

ACCUREX - W.I. IA

PHILLIP KRAFT

PHILLIP.KRAFT@ACCUREX.COM

262-227-7865

Direct Drive 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	PRV-1 Restroom	XRED-090-VG	375	0.5	1,467	0.06	31	0.1	115/60/1	TN	1725	1	NA

*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"

PRV-1 Restroom : SELECTED OPTIONS AND ACCESSORIES	
Standard Curb Cap Size - 17 Square	UL/cUL 705 Listed - "Power Ventilators"
Switch, NEMA-1, Toggle, Shipped with Unit	Damper Shipped Loose, BD-100-PB-10X10, Gravity Operated, Not Coated
Birdscreen: Galvanized, nom. 84% Free Area	Composite Wheel Material

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	EF-1A	XCR-B80	75	0.125	882	0.01	10	0	115/60/1	OP	900	1	

EF-1A : SELECTED OPTIONS AND ACCESSORIES	
UL/cUL 507 Listed - Electric Fan	Solid State Speed Control, 6 Amp, Mounted and Wired Internally
Round Hooded Wall Cap, (PN: WC-6) Shipped Loose	Round Duct Connection
Adjustable easy installation mounting bracket	Standard Grille
Polypropylene Wheel Material	Can Be Used to Comply with: ASHRAE 62.2 and Washington State Energy Code

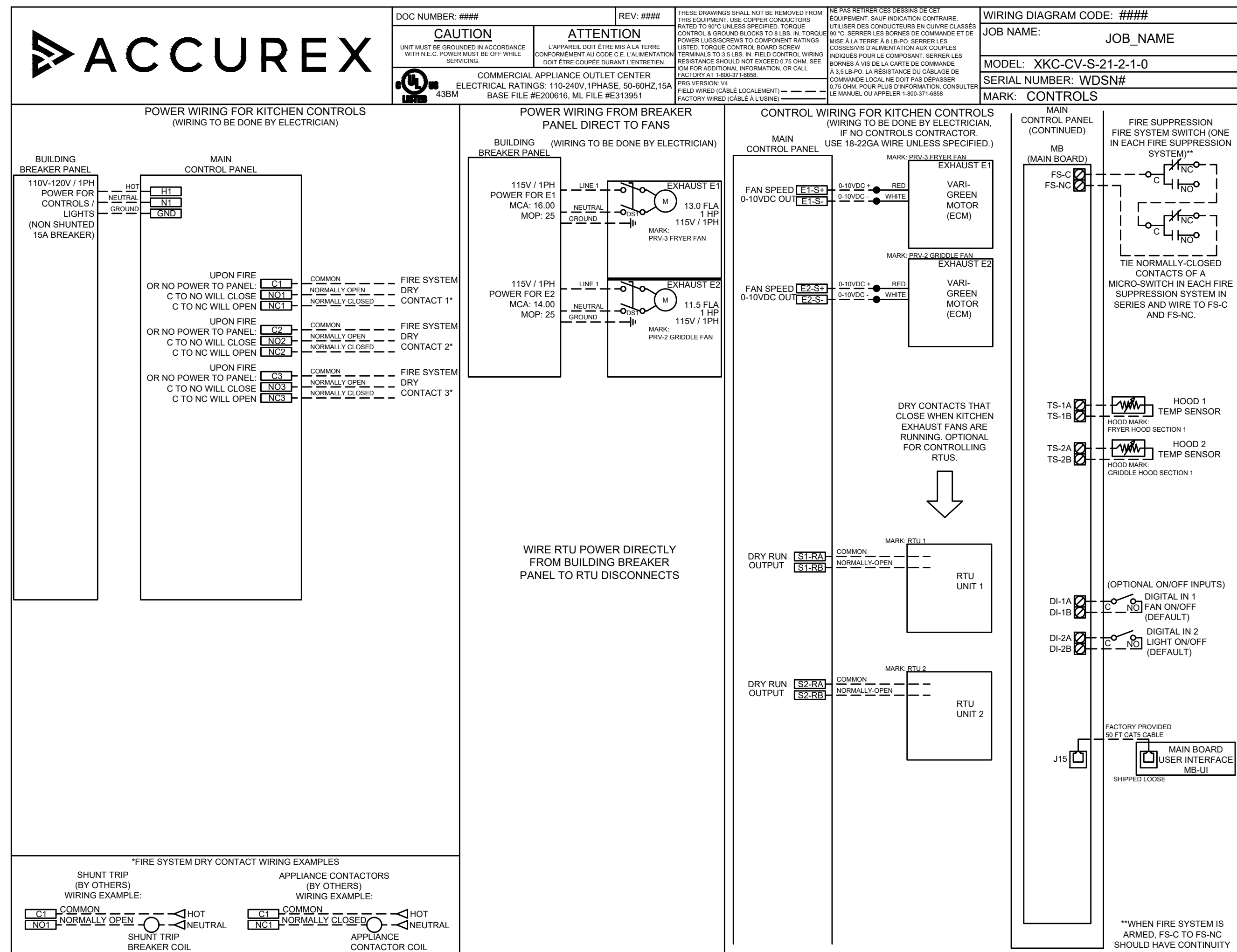
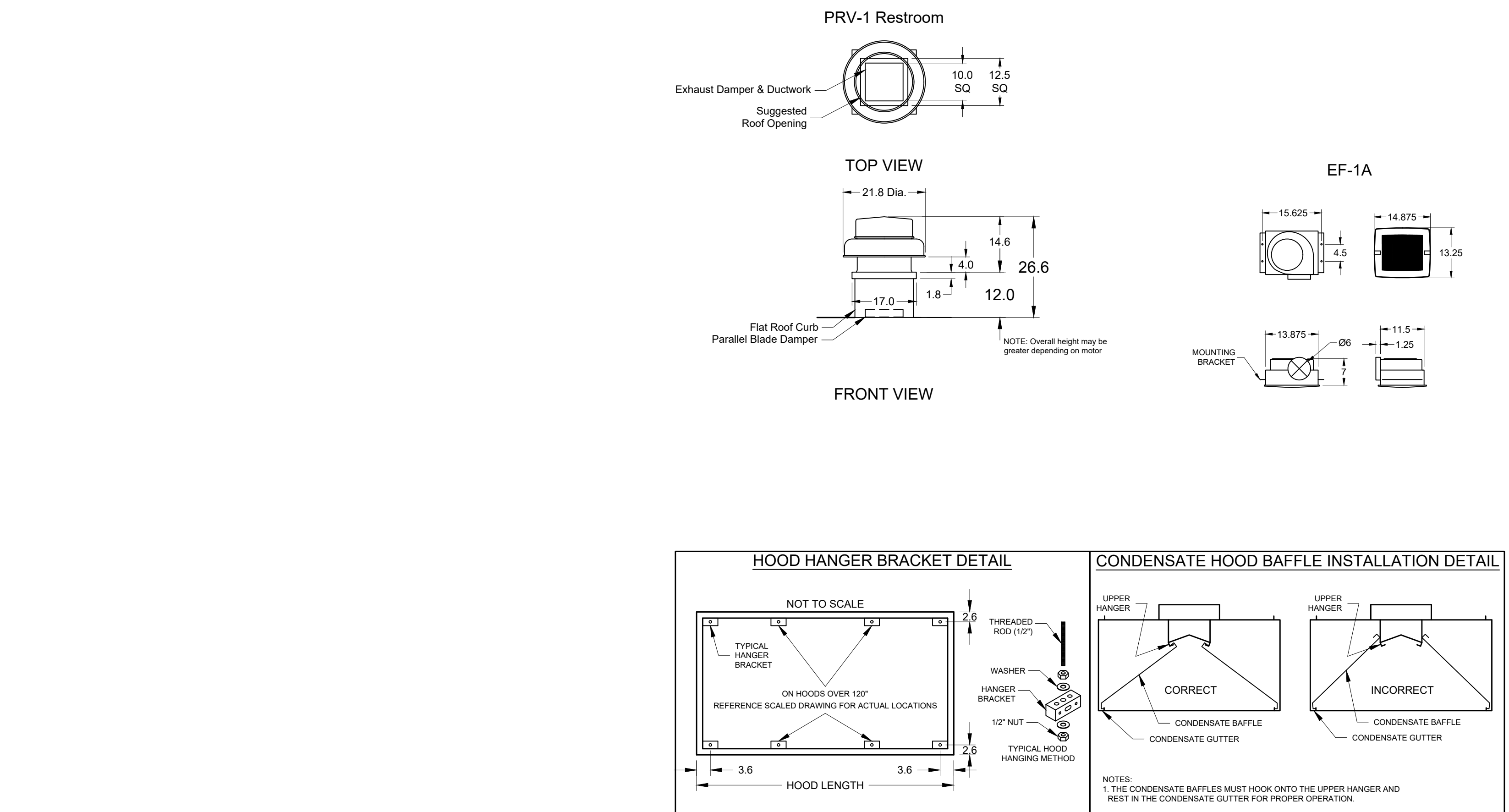
SPECIAL DESIGN REQUESTS	
(1)-WC-4 Wall Cap (F1600858)	

CONTROL INFORMATION

MARK	ELECTRICAL CONTROL PACKAGE		USER INTERFACE			
	MODEL	LOCATION	TYPE	LOCATION		
CONTROLS	XKC-CV-S-22-2-1-0	SHIP LOOSE ENCLOSURE	FULL COLOR TOUCHSCREEN	SHIP LOOSE		

FANS CONTROLLED											
FAN #	TYPE	FAN	FAN MARK	ZONE	CFM	MOTOR HP	MOTOR VOLT	CYCLE	MOTOR PHASE	MOTOR STARTER IN PANEL	VFD IN PANEL
1	SUPPLY	S1	RTU-1	1	1500	1	208	60	3	NO	NO
2	SUPPLY	S2	RTU-2	2	1500	1	208	60	3	NO	NO
3	EXHAUST	E1	PRV-2 GRIDDLE FAN	2	1500	1	115	60	1	NO	NO
4	EXHAUST	E2	PRV-3 FRYER FAN	1	1500	1	115	60	1	NO	NO

CONTROL FEATURES		SPECIAL DESIGN REQUESTS	
TEMP SENSORS (FACTORY INSTALLED) - QTY. 2	DRY FIRE CONTACTS - QTY. 2	EXHAUST MAX DURING FIRE	SUPPLY OFF DURING FIRE
		SDR #K2000462 - CULVERS CONTROL PANEL - EXTRA SET OF FIRE CONTACTS - REVISE WIRING DIAGRAMS	



PROJECT: 12/4/2019
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 ITEM 25 CONDENSATE HOOD
 PRV-1 RESTROOM
 EF-1A
 CONTROLS
 UL LISTED
 LISTED