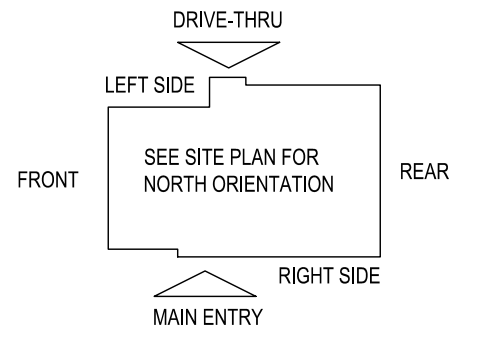


NOTE: ALL DUCTWORK TO BE LOCATED IN TRUSS SPACE WHERE POSSIBLE. SEE FRAMING PLAN.
HVAC SETPOINTS RECOMMENDED BY CORPORATE OPERATIONAL GUIDELINES:
1. DINING: HEATING 70°, COOLING 72°
2. KITCHEN: HEATING 68°, COOLING 74°
ALL MECHANICAL ROOF EQUIPMENT REQUIRES STRAPS TO RESIST THE WIND PRESSURES DETERMINED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, BUILDING. SEE STRUCTURAL PLANS FOR SPECIFICATIONS.

E5 HVAC PLAN
SCALE: 1/4" = 1'-0"



SUPPLY DUCTWORK SIZING TABLE*			
ROUND		RECTANGULAR	
SIZE	CFM RANGE	SIZE	CFM RANGE
8"	115 - 235	8"x8"	205 - 300
10"	240 - 435	10"x8"	305 - 400
12"	440 - 710	10"x10"	405 - 550
14"	715 - 1,070	12"x10"	555 - 700
16"	1,075 - 1,530	12"x12"	705 - 900
18"	1,535 - 2,090	14"x12"	905 - 1,105
20"	2,095 - 2,760	16"x12"	1,110 - 1,315
22"	2,765 - 3,550	18"x12"	1,320 - 1,520
24"	3,555 - 4,470	20"x12"	1,525 - 1,740
		22"x12"	1,745 - 1,950
		24"x12"	1,955 - 2,170
		26"x12"	2,175 - 2,400
		28"x12"	2,405 - 2,610
		30"x12"	2,615 - 2,840
		32"x12"	2,845 - 3,070
		34"x12"	3,075 - 3,290
		36"x12"	3,295 - 3,520
		36"x14"	3,525 - 4,420

*CONTRACTOR MAY SUBSTITUTE RECTANGULAR FOR ROUND DUCTWORK ON MAIN RUNS AT THEIR DISCRETION. BRANCHES TO DIFFUSERS TO REMAIN ROUND.

DIFFUSER, REGISTER, AND GRILLE SCHEDULE									
TAG	SERVICE	TYPE	MATERIAL	THROW	FACE	NECK	MOUNTING	MANUFACTURER/MODEL	Notes
SD-1	SUPPLY	LOUVERED	STEEL	4-WAY	24X24	SEE PLAN	LAY-IN	CARNES SFP24	2, 4
SD-2 - NOT USED									
SD-3	SUPPLY	LOUVERED	STEEL	3-WAY	SEE PLAN	SEE PLAN	SURFACE	CARNES SKSA	2, 4
SD-4	SUPPLY	LOUVERED	STEEL	4-WAY	12X12	SEE PLAN	SURFACE	CARNES SKSA	1, 2, 4
SD-5	SUPPLY	PERFORATED	STEEL	PERFORATED	24X24	SEE PLAN	LAY-IN	CARNES SPRB24	2, 4
RG-1	RETURN	SQUARE EGGRATE	ALUMINUM	N/A	24X24	22x22	LAY-IN	CARNES RAPMF	2, 3, 4
EG-1	RETURN	LOUVERED GRILLE	STEEL	N/A	12X12	SEE PLAN	SURFACE	CARNES RTLAH	1, 2, 4
TG-1	TRANSFER	LOUVERED GRILLE	STEEL	N/A	SEE PLAN	SEE PLAN	SURFACE	CARNES RTLAH	2, 4

DIFFUSER NOTES:
1. PROVIDE w/ ADJUSTABLE OPPOSED BLADE DAMPER
2. VERIFY ALL DIFFUSERS AND RETURN GRILLE COLORS WITH OWNER AND ARCHITECT
3. PROVIDE w/ 22X22 PLENUM BOX.
4. ALL DIFFUSERS AND RETURNS LOCATED IN BLACK CEILING SHALL BE FLAT BLACK FINISH.

GENERAL NOTES

- DEVIATIONS FROM THE HVAC PLANS ARE THE RESPONSIBILITY OF THE HVAC CONTRACTOR & WILL NOT RESULT IN ADDITIONAL COSTS TO THE OWNER UNLESS WRITTEN CHANGE ORDERS ARE APPROVED BY THE OWNER.
- ALL WORK TO BE PERFORMED TO STATE CODE & SMACNA GUIDELINES.
- INSTALL UNITS ACCORDING TO MANUFACTURERS GUIDELINES.
- PROVIDE OWNER W/ OPERATION & MAINTENANCE MANUALS & SYSTEM SCHEMATICS.
- CONTRACTOR TO CONFIRM VOLTAGES & PHASES OF EQUIPMENT PRIOR TO INSTALLATION.
- VERIFY ALL EXISTING CONDITIONS PRIOR TO INSTALLATION (DRAWINGS ARE DIAGRAMMATIC IN NATURE & DO NOT REFLECT EXACT LOCATIONS OF EQUIPMENT OR OTHER APPARATUSSES.)
- PROVIDE SHOP DRAWINGS TO THE ARCHITECT/DESIGNER FOR EQUIPMENT, FANS, REGISTERS, ETC. PRIOR TO PROCUREMENT.
- PROVIDE OWNER W/ COLOR CHOICES FOR SWITCHES & OTHER APPARATUSSES WHERE APPLICABLE.
- VENT OWNER WATER HEATER AS REQUIRED.
- VENT DRYER THRU SIDEWALL TO EXTERIOR AS REQUIRED, MAINTAIN CLEARANCE FROM INTAKES AS NOTED.
- HANG & SUPPORT MATERIALS SHALL BE INSTALLED THE LATEST EDITION OF THE ASHRAE HANDBOOK OF FUNDAMENTALS.
- MAINTAIN AT LEAST 10 FEET CLEARANCE FROM INTAKES OR WINDOWS ON ALL EXHAUST VENTS.
- TEST, ADJUST, & CALIBRATE CONTROL SYSTEMS AS REQUIRED. PROVIDE SCHEMATICS / DESCRIPTION TO THE OWNER PRIOR TO INSTALLATION.
- INSTALLER RESPONSIBLE FOR FINAL TEST & BALANCING DURING TRAINING WEEK. PROVIDE WRITTEN REPORT BY THIRD PARTY INDEPENDENT TAB CONTRACTOR.
- VERIFY W/ OWNER EXACT HEATER LOCATION TO AVOID BUILDING FUNCTION INTERFERENCE.
- REPLACE ALL AIR FILTERS PRIOR TO TURNING SYSTEM OPERATIONS OVER TO OWNER.
- HVAC CONTRACTOR IS RESPONSIBLE FOR A COMPLETE & FULLY WORKING SYSTEM.
- DUCT DIMENSIONS LISTED ARE NET FREE - CLEAR INSIDE DIMENSIONS.
- VERIFY DUCT LOCATIONS PRIOR TO FABRICATION. (VERIFY LIMITED AREA FOR DUCTWORK & OTHER APPARATUSSES.)
- INSULATE DUCT WORK TO SMACNA GUIDELINES & STATE CODES.
- INSTALL VOLUME CONTROL DAMPERS AS INDICATED ON PLANS.
- FLEXIBLE ROUND DUCT WORK NOT TO EXCEED 8 FEET IN LENGTH. AVOID UNNECESSARY TURNS & SLACK.
- RETURN AIR DUCT WORK TO BE LINED FOR SOUND ATTENUATION.
- DUCT WORK TO BE STANDARD GAUGE SHEET METAL. (FIBROUS DUCT NOT ALLOWED.)
- INSULATE EXHAUST DUCT FOR EXHAUST FAN TO EXTERIOR TERMINATION.
- COORDINATE WORK W/ GENERAL CONTRACTOR & OWNER TO MAXIMIZE CEILING HEIGHT & AVOID CONFLICTS.
- S/S WALL PANELS FOR THE KITCHEN AREA ARE TO BE FURNISHED AND INSTALLED BY THE HVAC CONTRACTOR. PANELS ARE TO BE 18 GA. TYPE 304 S/S. SEE DETAILS AND LOCATIONS ON THE A103 DRAWING.
- EXHAUST FANS AND FURNACE FANS TO RUN CONTINUOUSLY DURING OCCUPIED MODE.
- NIGHT SET BACK THERMOSTATS TO BE INSTALLED ON ALL HVAC EQUIPMENT.

2022-001 CULVER'S OF ESTERO, FL ESTERO, FL

RTU SCHEDULES

UNIT No	AREA SERVED	SUPPLY FAN				COOLING				HEATING				ELECTRICAL (1)		MANUFACTURER, MODEL					
		SUPPLY FAN TYPE	SA FAN VFD	SUPPLY CFM	MIN OA CFM	ESP	OA TEMP °FDB	MIXED AIR TEMP °FWB	SUPPLY TEMP COIL LAT °FDB	COIL CAPACITY SENSIBLE MBH	COIL CAPACITY LATENT MBH	GAS OR ELEC	OUTPUT KW	OAT °FDB	HEATING STAGES		VOLTAGE	PHASE			
RTU-1	DINING ROOM	MSAV	YES	5,850	1,750	0.75"	91	78	79.79	68.10	55.00	54.77	159	83	ELEC	24	42	2	208	3	LENNOX, ENLIGHT LCT
RTU-2	KITCHEN	MSAV	YES	5,850	1,700	0.75"	92	78	79.94	67.97	55.00	54.74	161	80	ELEC	19	42	1	208	3	LENNOX, ENLIGHT LCT

ADDITIONAL FACTORY INSTALLED OPTIONS FOR BOTH UNITS:

- WEATHERPROOF DISCONNECT
- FACTORY INSTALLED/FIELD POWERED GFCI
- RETURN SMOKE DETECTOR
- DRAIN PAN OVERFLOW SWITCH
- SINGLE ENTHALPY ECONOMIZER W/ FAULT DETECTION DIAGNOSTICS
- BAROMETRIC RELIEF
- HAIL GUARDS
- 2" MERV 13 FILTERS
- SS HEAT EXCHANGER
- HOT GAS REHEAT
- INDOOR/OUTDOOR COIL CORROSION PROTECTION

ADDITIONAL FIELD INSTALLED OPTIONS FOR BOTH UNITS:

- 14" DOWNFLOW HYBRID CURB
- PVC DRAIN TRAP KIT
- REMOTE TEMPERATURE AND HUMIDITY SENSORS
- LENNOX MODEL CS7500 PROGRAMMABLE THERMOSTAT
- OUTDOOR AIR CFM CONTROL

NOTES:

- NOTIFY ELECTRICAL CONTRACTOR OF BREAKER REQUIREMENTS AFTER SELECTION

PRV-1 RESTROOM EXHAUST FAN - REFER TO SHEET M204

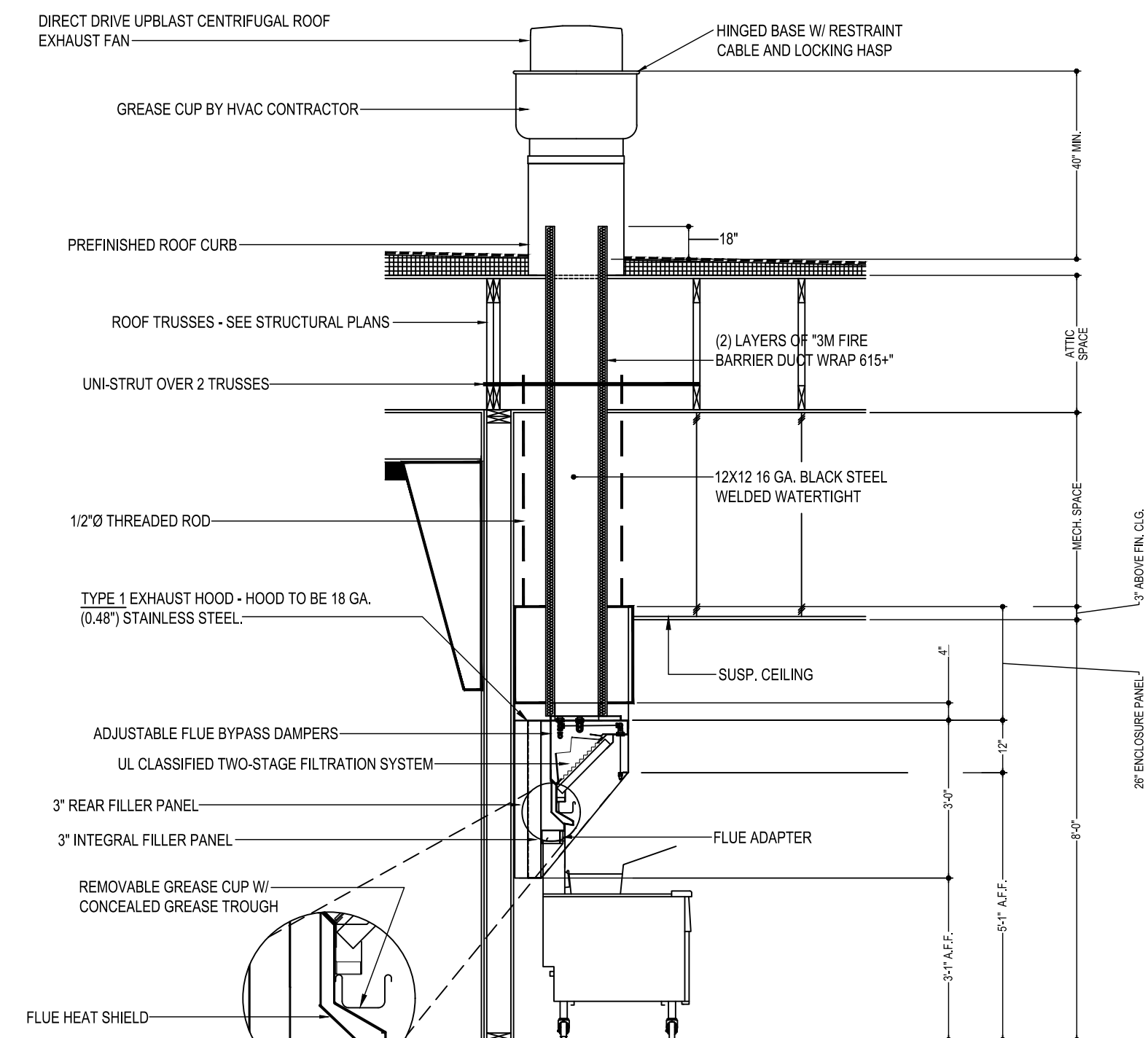
PRV-2 GRIDDLE EXHAUST FAN - REFER TO SHEET M202

PRV-3 FRYER EXHAUST FAN - REFER TO SHEET M203

EF-1A MOP ROOM EXHAUST FAN - REFER TO SHEET M204

ITEM #49A GRIDDLE HOOD - REFER TO SHEET M202

ITEM #59A FRYER HOOD - REFER TO SHEET M203



C3 KITCHEN HOOD EXHAUST DETAIL

SCALE: N.T.S.
VERIFY MOUNTING HEIGHTS W/ OWNER AND GENERAL CONTRACTOR

CONTROL NOTES

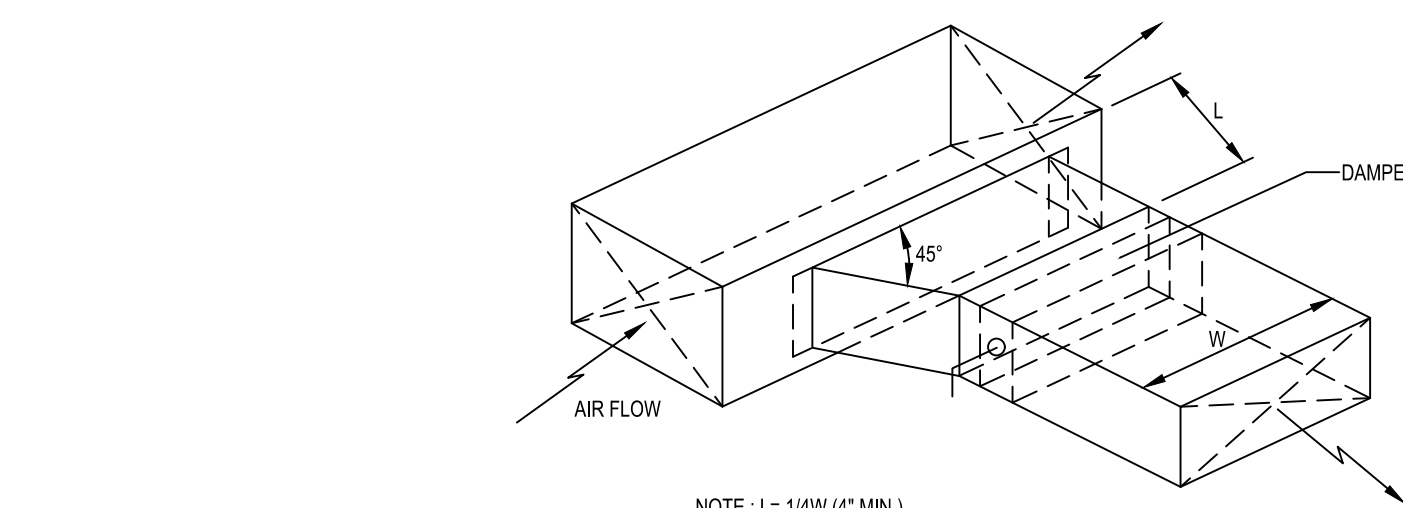
NOTE: KITCHEN HOODS SUPPLIED AND INSTALLED BY HVAC CONTRACTOR

- WIRE RTU-1, RTU-2 TO SHUT-DOWN & EXHAUST HOOD FANS TO CONTINUE TO RUN UPON ACTIVATION OF THE ANSUL SYSTEM.
- WIRE RTU-1 & RTU-2 TO SHUT-DOWN UPON ACTIVATION OF ANY IN-DUCT SMOKE DETECTOR.
- OCCUPIED MODE: FANS IN RTU-1 & RTU-2, EXHAUST FANS PRV-1, PRV-2, PRV-3 AND EF-1 TO RUN CONTINUOUSLY.
- UNOCCUPIED MODE: FANS IN RTU-1 & RTU-2 TO RUN ONLY WHEN COOLING OR HEATING IS CALLED FOR.

TEST & BALANCE NOTES

- ACCUREX WILL PROVIDE BALANCED AIRFLOW & FUNCTIONAL CHARACTERISTICS OF THE HVAC SYSTEM AS THEY RELATE TO AIRFLOW & AIR PRESSURE ONLY. SERVICES TO BE PERFORMED BY A CERTIFIED NEBB FIRM & ITS MANAGING GROUP NATIONAL TAB.
- SERVICES NOT INCLUDED: PULLEY / SHEAVE CHANGES, MOTOR CHANGE OUTS, OR RETURN TRIPS DUE TO DELAYS CAUSED BY JOB INCOMPLETENESS.
- ESTABLISH MINIMUM OUTSIDE AIR FLOW INDICATED ON SCHEDULES AT ALL SUPPLY FAN SPEEDS.

AIR BALANCE TABLE				
EXHAUST AIR FLOW				
EQUIPMENT TAG	SERVICE	CFM		
PRV-1	RESTROOMS	375		
PRV-2	ITEM #49	1,500		
PRV-3	ITEM #59	1,500		
EF-1	MOP ROOM	75		
TOTAL =		3,450		
VENTILATION REQUIRED PER FLORIDA BUILDING CODE (2020) MECHANICAL				
EQUIPMENT TAG	SERVICE	CFM		
RTU-1	DINING ROOM	1,065		
RTU-2	KITCHEN	230		
TOTAL =		1,295		
3,450 > 1,295 -> USE 3,450 CFM FOR OUTSIDE AIR CFM				
OVERALL AIRFLOW SUMMARY				
EQUIPMENT TAG	SERVICE	SUPPLY CFM	RETURN CFM	OUTSIDE AIR CFM
RTU-1	DINING ROOM	5,850	4,100	1,750
RTU-2	KITCHEN	5,850	4,150	1,700
TOTAL OUTSIDE AIR CFM =				3,450

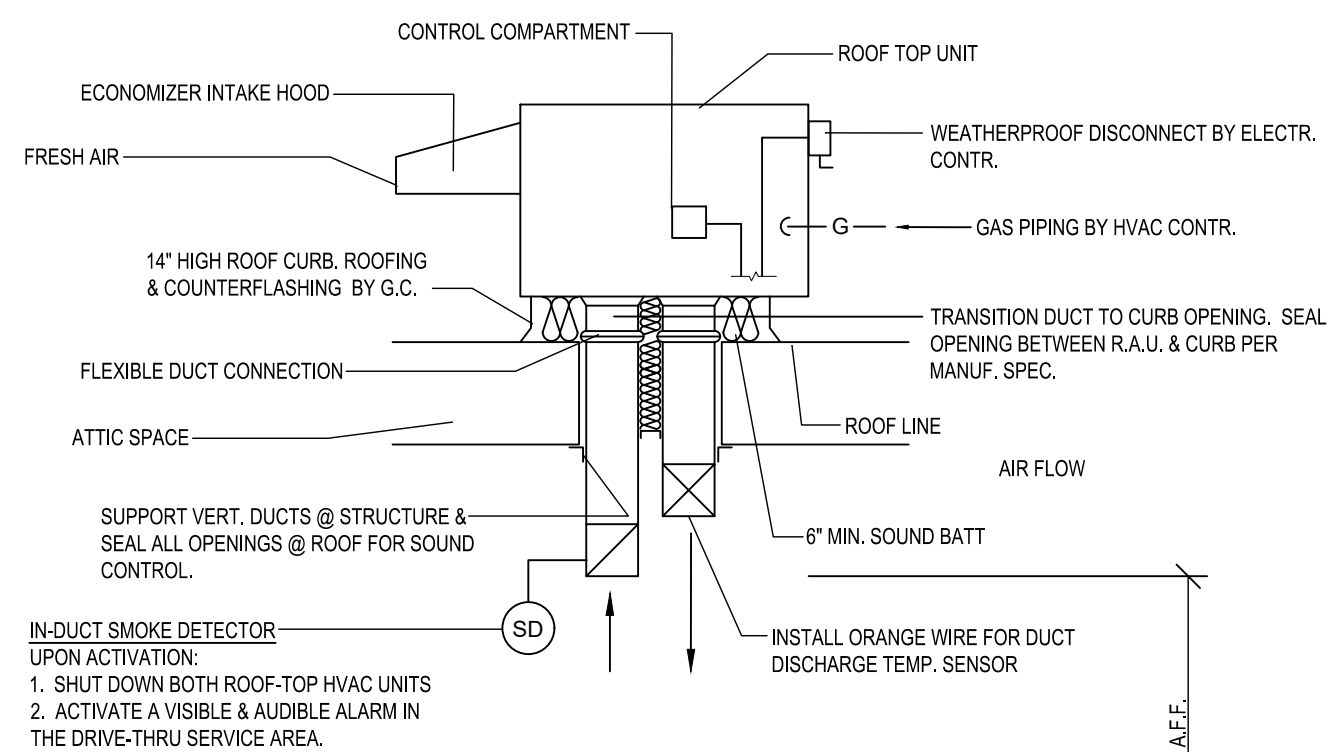


C6 BRANCH DUCT TAKEOFF DETAILS

SCALE: N.T.S.

NATIONAL ACCOUNT PROGRAM

- LENNOX INDUSTRIES, INC.** - ROOFTOP HVAC EQUIPMENT
NATIONAL ACCOUNTS SALES: (800) 367-4285 Option #1 lennoxind.com
NATIONAL ACCOUNT TECHNICAL SUPPORT: (800) 367-6285 Option #2 lennoxind.com
- ACCUREX GREENHECK FAN CORPORATION** - KITCHEN HOODS, EXHAUST FANS, ROOF CURBS, ANSUL SYSTEMS, ACCESSORIES AND TEST AND BALANCE
CONTACT PHILIP KRAFT: 1-262-227-7885 philip.kraft@accurex.com
SECONDARY CONTACT BRAD BORCHARDT: 1-715-551-0809 brad.borchardt@accurex.com
SECONDARY CONTACT ANDY JACOBS: andy.jacobs@accurex.com
ACCUREX WILL PROVIDE BALANCED AIRFLOW AND FUNCTIONAL CHARACTERISTICS OF THE HVAC AS THEY RELATE TO AIRFLOW AND RESISTANCE ONLY. SERVICES TO BE PERFORMED BY A CERTIFIED NEBB FIRM AND ITS MANAGING GROUP - NATIONAL TAB
- CARNES COMPANY** - DIFFUSERS AND GRILLES
NATIONAL ACCOUNTS SALES: CHRIS STRATTON - (608) 845-6411 cstratton@carnes.com
NATIONAL ACCOUNTS REP: BRIAN BAKER - (608) 845-6411 bbaker@carnes.com



A6 ROOFTOP HVAC UNIT

SCALE: N.T.S.

LENNOX SETTINGS FOR CULVERS

IN ORDER TO SET UP THE RTU'S YOU WILL NEED TO DOWNLOAD LENNOX CORE SERVICE APP, AND PAIR YOUR DEVICE WITH THE CORE CONTROLLER. ONCE PAIRED YOU WILL SEE THE OPERATION OVERVIEW SCREEN. SEE INSTALLATION MANUAL FOR INSTRUCTIONS ON DOWNLOADING THE APP, OR SCAN THE QR CODE ON THE FRONT COVER OF THE CONTROLLER

HEAT DELAY ADJUSTMENT

- HEAT DELAY WILL BE PRESENT IN THE CORE CONTROLLER AND CHANGED IN THE APP AS SHOWN IN THE MENU PATH BELOW. DEFAULT IS SET AT 3600 SECONDS.
- TAP THE MENU BUTTON. (THREE LINES IN THE UPPER LEFT OF THE SCREEN) TO OPEN THE MENU. SCROLL DOWN AND TAP ON RTU OPTIONS
 - TAP EDIT PARAMETER. CHOOSE FROM THE CATEGORY OF PARAMETERS LISTED. (FOR HEAT DELAY CHOOSE HEATING)
 - CHOOSE THE PARAMETER TO ADJUST (65). SELECT '1' FOR NO HEAT DELAY (0 SECONDS)

GLOBAL ECONOMIZER MODE (KITCHEN UNIT ONLY)

- THIS IS SET BY CHANGING CONFIGURATION ID#1 CHARACTER 2 TO G
- FROM THE MAIN SCREEN (OPERATION OVERVIEW) TAP THE MENU BUTTON (THREE LINES IN THE UPPER LEFT OF THE SCREEN) TO OPEN THE MENU
 - TAP INSTALL
 - TAP NEXT ON DATE AND TIME
 - TAP NEXT ON RTU NAME, MODEL NUMBER, SERIAL NUMBER AND CATEGORY IF ALREADY ENTERED. IF NOT PLEASE ENTER
 - TAP CONFIGURATION ID 1 AND CHANGE 2ND CHARACTER TO G

ECONOMIZER MINIMUM POSITION SET-UP

- THIS IS ADJUSTED THROUGH THE MENU FROM THE MAIN SCREEN
- TAP THE MENU BUTTON (THREE LINES IN THE UPPER LEFT OF THE SCREEN)
 - SCROLL DOWN AND TAP RTU OPTIONS
 - TAP EDIT PARAMETERS
 - CHOOSE FROM THE CATEGORY OF PARAMETERS LISTED (AIRFLOW)
 - CHOOSE THE PARAMETER TO ADJUST (132) MINIMUM FRESH AIR DAMPER POSITION DURING OCCUPIED OPERATION

OCCUPIED AND UNOCCUPIED

- USING 24V THERMOSTAT CONTROL. OCCUPIED/ UNOCCUPIED WILL BE DETERMINED BY INPUT ON P287-3 ON THE IM BOARD
- FOR (KITCHEN UNIT ONLY) BOTH THE THERMOSTAT AND HOOD FANS MUST BE TIED INTO P287-8 ON THE IM CONTROL BOARD

FRESH AIR TEMPERING (HEATING)

- THIS IS ADJUSTED THROUGH THE MENU FROM THE MAIN SCREEN
- TAP THE MENU BUTTON (THREE LINES IN THE UPPER LEFT OF THE SCREEN) TO OPEN THE MENU
 - TAP SETUP
 - TAP TEST AND BALANCE
 - TAP DAMPER
 - THERE ARE SEVERAL SETTINGS TO SELECT IN THIS MENU PATH BEFORE REACHING THE DESIRED SETTING. FRESH AIR HEATING ENABLED = YES OR NO. AFTER ENABLING FAH THE NEXT SCREEN WILL ALLOW THE FAH SET POINT TO BE CONFIGURED. SUGGESTED FAH TEMPERATURE RANGES 65-67 DEGREES F. VERIFY WITH ENGINEER

FRESH AIR TEMPERING (COOLING)

- THIS IS ADJUSTED THROUGH THE MENU FROM THE MAIN SCREEN
- TAP THE MENU BUTTON (THREE LINES IN THE UPPER LEFT OF THE SCREEN) TO OPEN THE MENU
 - TAP SETUP
 - TAP TEST AND BALANCE
 - TAP DAMPER
 - THERE ARE SEVERAL SETTINGS TO SELECT IN THIS MENU PATH BEFORE REACHING THE DESIRED SETTING. FRESH AIR HEATING ENABLED = YES OR NO. AFTER ENABLING FAH THE NEXT SCREEN WILL ALLOW THE FAH SET POINT TO BE CONFIGURED. SUGGESTED FAH TEMPERATURE RANGES 73-75 DEGREES F. VERIFY WITH ENGINEER

ENSURE THAT THE PROBE STYLE SENSOR GETS INSTALLED IN THE SUPPLY DUCTWORK FOR FAH/FAH TO OPERATE PROPERLY.

FOR HELP PLEASE CALL LENNOX NATIONAL ACCOUNT TECH SUPPORT AT 1-800-367-8285

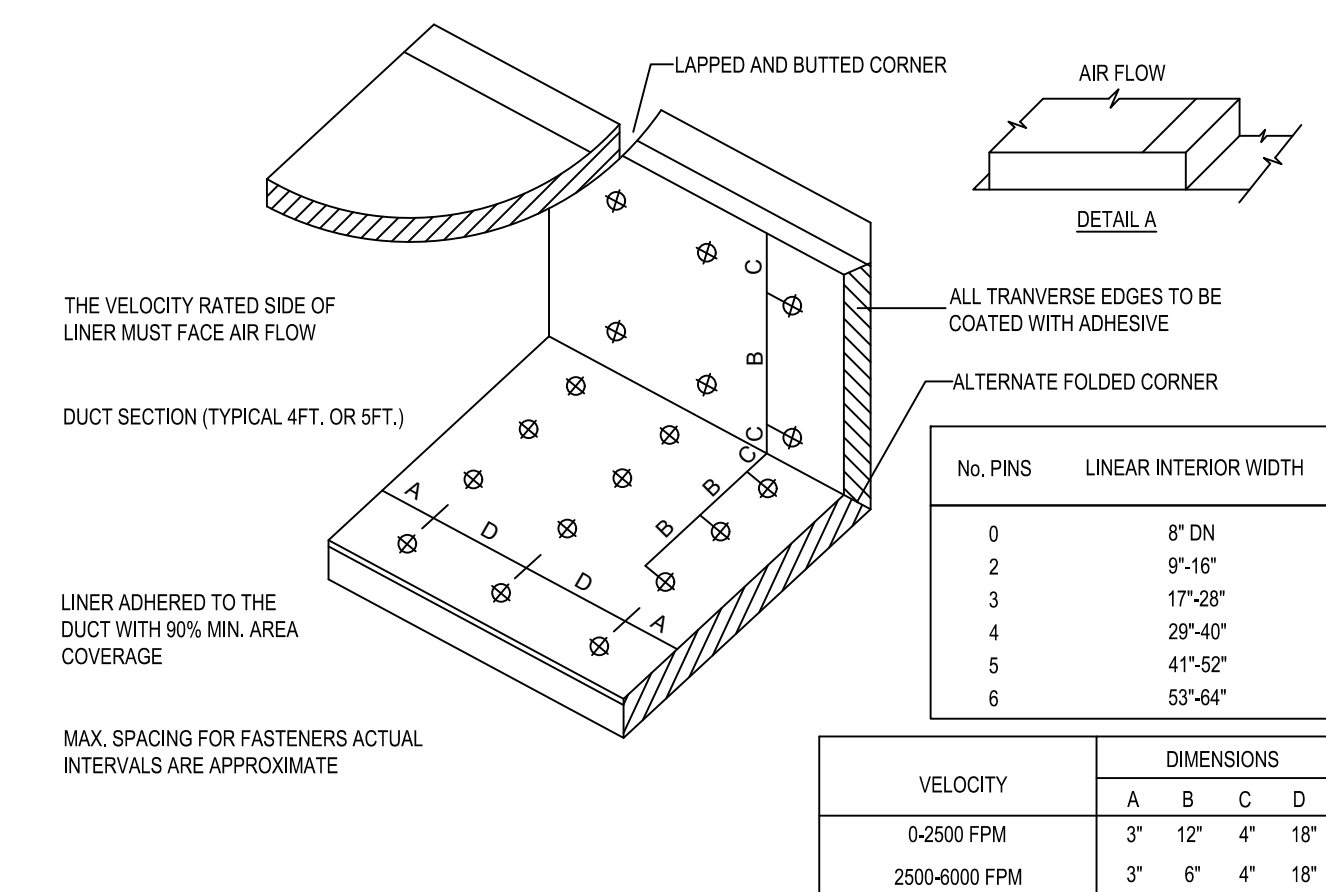
CHECK FOR CORRECT OPERATION AND WIRING OF ALL SENSORS

COOKING APPLIANCE / TYPE 1 HOOD INTERLOCK

- REMOTE SWITCH ON - POWER TO KITCHEN FAN CONTROL CENTER (KFCF)
- KFCF CONTROLS:
 - EXHAUST FANS PRV-2 (GRILLE) & PRV-3 (FRYERS) ARE STARTED.
 - OPENS OUTSIDE AIR INTAKE ON RTU-1 & RTU-2 TO MINIMUM FRESH AIR OPENING.
 - POWER TO OUTLETS #51 (GRILLE) & #60 (FRYERS).
- GRILLE & FRYER CAN BE STARTED.
- IN CASE OF FIRE:
 - SHUNT TRIP BREAK FOR GRILLE & FRYERS OUTLET TRIPS.
 - ANSUL SYSTEM IS ACTIVATED.
 - THE MECHANICAL GAS VALVES CLOSES.
 - SHUT DOWN RTU-1 & RTU-2 & CLOSE OUTSIDE AIR.
 - EXHAUST FANS PRV-2 & PRV-3 CONTINUE TO RUN.

GREASE HOOD FIRE SUPPRESSION SYSTEM

WET-CHEMICAL EXTINGUISHING SYSTEMS SHALL BE INSTALLED, MAINTAINED, PERIODICALLY INSPECTED AND TESTED IN ACCORDANCE WITH NFPA 17A AND THEIR LISTING.



E5 DUCT LINER INSTALLATION DETAIL

SCALE: N.T.S.

NOTE: USE ONLY ON VERTICAL DROP FROM RTU TO WITHIN 9'-10" A.F.F.. DUCT LINER WILL NOT BE PERMITTED ON ANY HORIZ. RUNS.

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NEW CULVER'S RESTAURANT
8400 MURANO DEL LAGO
ESTERO, FL 34135
County of LEE

SEAL

OWNER:

Estero Sweet Dreams Hospitality LLC
8627/30625 Beaver View Road
Hartland, WI 53029
Mike Busabacchi
414-687-1245

OLLMANN ASSOCIATES ARCHITECTS, P.C.
200 South State Street
Belleville, Illinois 61008
815-544-7190 Phone
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HVAC SCHEDULE & DETAILS

2022-001

M201

Revision:

Date: 06-09-2023

HOOD INFORMATION

HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY 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	GRIDDLE HOOD ITEM 49	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

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 TYPE	SIZE	MODEL	CONTROLS INTERFACE
1	GRIDDLE HOOD ITEM 49				GREASE GRABBER STAINLESS STEEL	4	16 20	16				

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 #K1100145 - FLUE BYPASS HOOD
 SDR #K1800144 - CULVERS 4VAT 2FIRE PROCESS - GRIDDLE HOOD

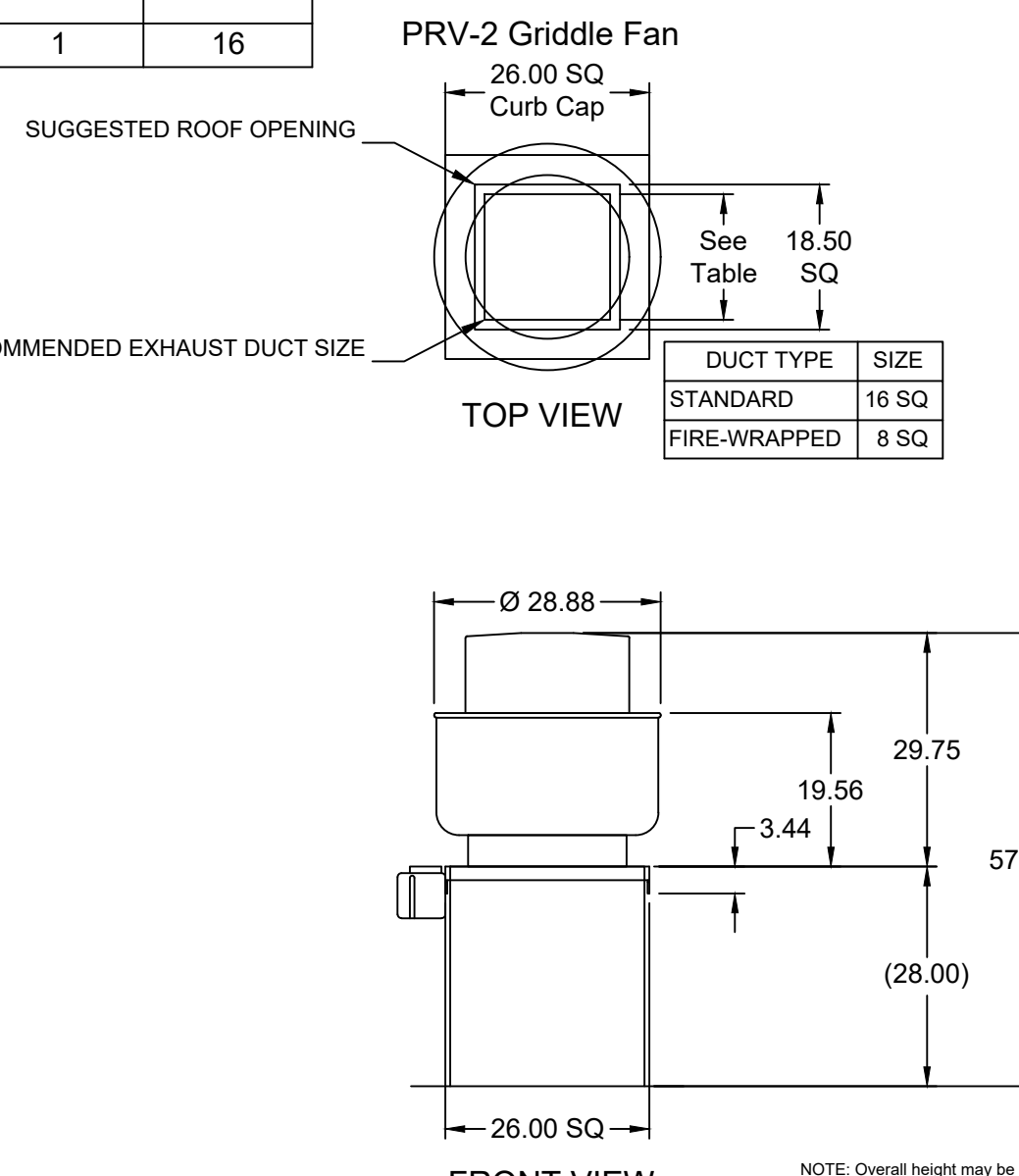
Direct Drive Upblast Centrifugal Roof Exhaust Fan

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	1.8	1,702	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



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

CONTROL PANEL

- SWITCHES FOR FIRE EQUIPMENT
- AGENT STORAGE TANK OFFLINE
- EXHAUST FAN STOP
- ANUL AUTOMATA RELEASE
- RESISTOR
- KNOCKOUT FOR WIRING MICROSWITCH

WIRING DIAGRAMS

WIDPDT MICRO SWITCH
 DPOIT SWITCHES PROVIDED BY MANUFACTURER MAY BE WIRED PER TYPICAL EXAMPLES SHOWN. VERIFY WITH LOCAL CODES AND EQUIPMENT SUPPLIER AS THE CONNECTION NEEDED FOR YOUR INSTALLATION.

CONNECTION TO BUILDINGS ALARM

CONNECTION TO COOKING EQUIPMENT SHUT DOWN

CONNECTION TO FAN SHUT DOWN

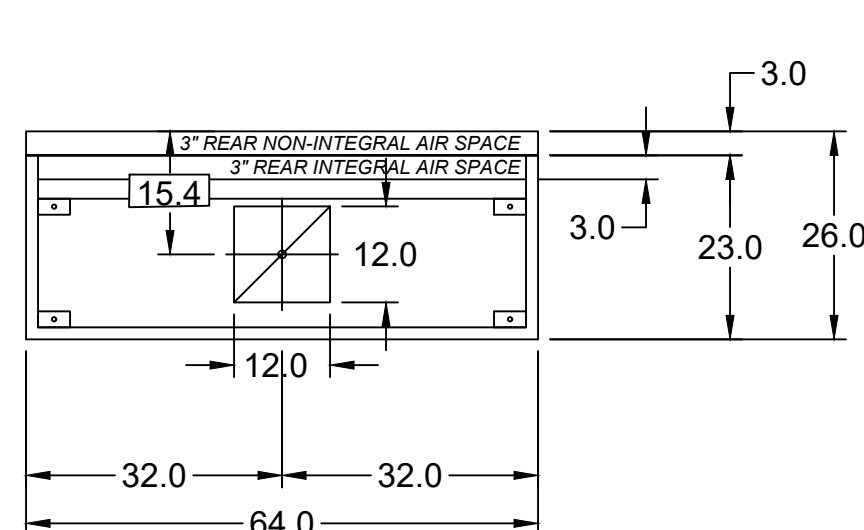
NOTES:

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 AUTOMATA 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 SYSTEMS, EXHAUST AND SUPPLY FANS AND ELECTRICAL POWER SHUT DOWN. FIELD WIRING AND CONNECTIONS TO BE PERFORMED BY A LICENSED ELECTRICIAN.

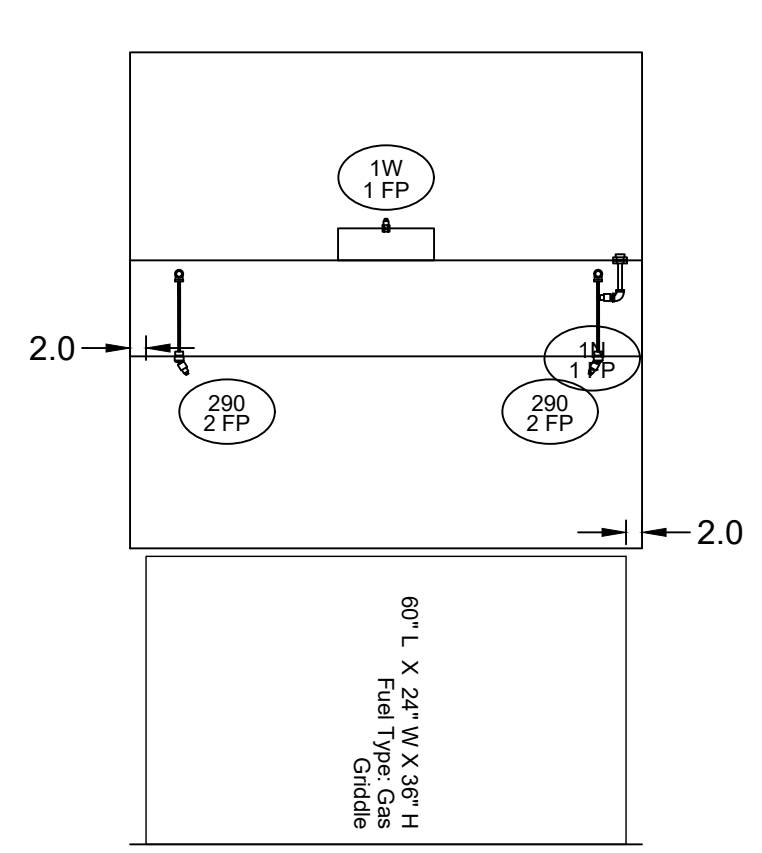
THE BASIC FIRE SYSTEM DOES NOT INCLUDE THE FOLLOWING:
 - JULL DUMP TEST OTHER THAN WHAT IS SPECIFIED IN THE INSTALLATION MANUAL, OR TO SATISFY A STATE OR LOCAL CODE. PERMIT AND TESTING FEES ARE NOT INCLUDED UNLESS NOTED UNDER THE EQUIPMENT SCHEDULE FOR THE FIRE SYSTEM.
 - MORE THAN TWO TRIPS TO THE JOBSITE OR SPECIAL TRANSPORTATION, OR OVERNIGHT LOGGING 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 HOOKUP.
 - 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 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 (6.1 M).
 - 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 OR BRAN-K-ACTON SWITCH IN NORMAL INSTALLATION. BLACK WIRE TO BE USED ONLY FOR EXTENSIVE ALARM, LIGHT CIRCUITS, ETC.

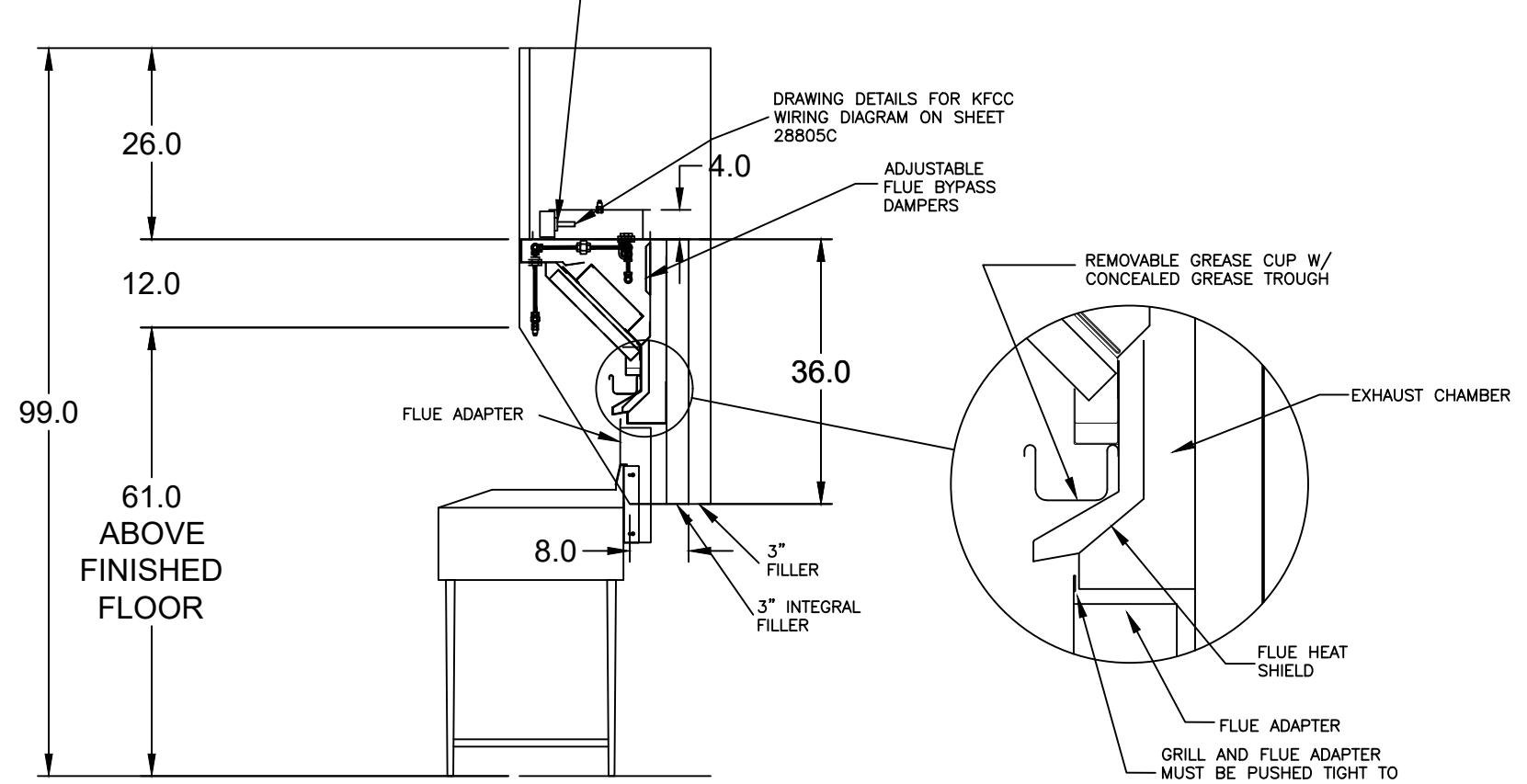


MARK: Griddle Hood - SECTION 1 PLAN VIEW

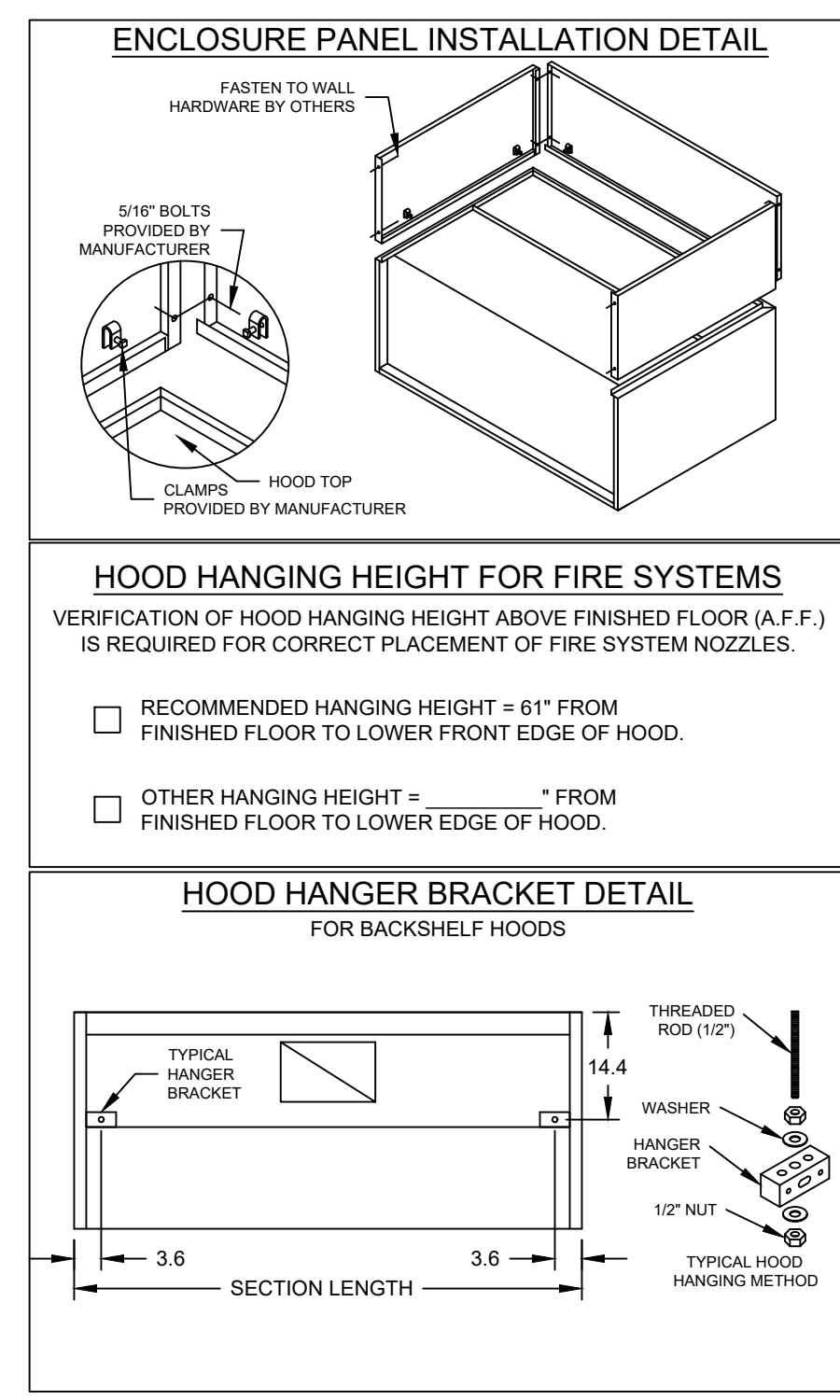
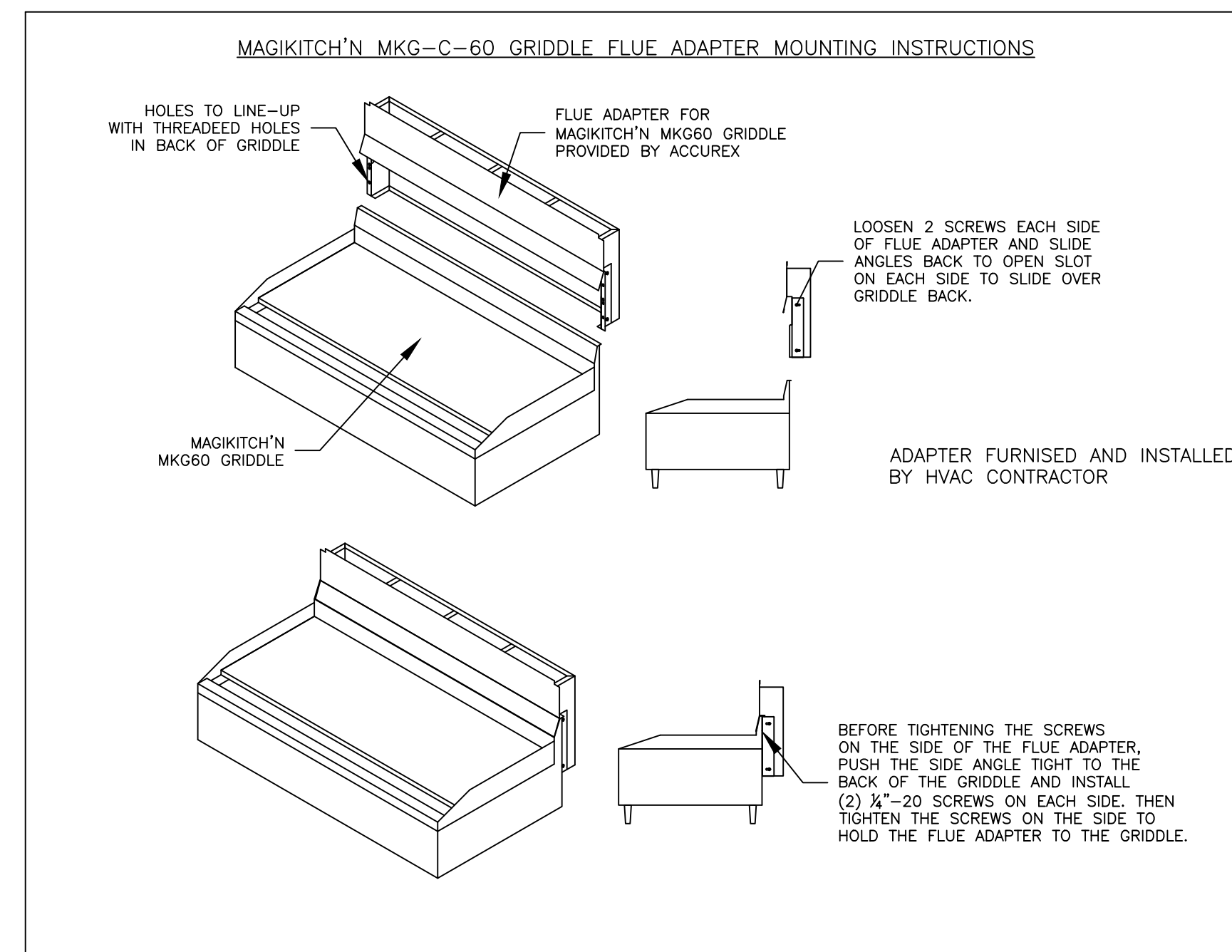
MUST USE WITH MAGIKITCH'N MODEL MKG-C-60
 60" MAGIKITCH'N GRIDDLE FLUE ADAPTER
 VERIFY MAGIKITCHEN OR ANETS GRILL



SECTION 1 ELEVATION VIEW



MARK: Griddle Hood SECTION VIEW



FIRE SYSTEM INFORMATION

MARK	MODEL	LOCATION	FLOW POINTS		SUPPLY LINE	DETECTION
			HOODS	PCU		
FIRE SUPPRESSION-GRIDDLE HOOD	ANSUL R-102 WET CHEMICAL	REMOTE MOUNTED	6 UTILIZED 11 AVAILABLE		CONTINUOUS	FUSIBLE LINK

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

MARK(S) PROTECTED BY FIRE SYSTEM
 GRIDDLE HOOD SECTION 1

PROJECT 2/7/2023
 MARK
 ACCUREX - WI, IA
 PHILLIP KRAFT
 PHILLIP.KRAFT@ACCUREX.COM
 262-227-7865
 CULVERS-METROL
 PROTOTYPE_VG_NODH
 GRIDDLE HOOD
 PRV-2 GRIDDLE FAN
 FIRE SUPPRESSION-GRIDDLE HOOD
 UL NSF
 LISTED
 2023

OWNER:
 ELLMANN ASSOCIATES ARCHITECTS, P.C.
 200 South State Street
 Belvidere, Illinois 61008
 815-544-7190 Phone
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 2022-001
 M202
 Date: 06-09-2023
 Revision:
 NEW CULVER'S RESTAURANT
 8400 MURANO DEL LAGO
 Estero, FL 34135
 County of LEE
 SEAL

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			WIDTH	LENGTH	DIA.	CFM	S.P.	MUA CFM	AC CFM			
1	FRYER HOOD ITEM 59	XXEP-83-S	83	TOP 23 BOT 3	FRT 12 BACK 36	430 SS W/HERE EXPOSED	MEDIUM	1500	12	12		1500	0.518			169.1	SINGLE

HOOD INFORMATION

HOOD NO.	MARK	LIGHTING DETAILS			GREASE FILTRATION DETAILS			UTILITY CABINET(S)			
		FIXTURE TYPE	BULB / LAMP INFO	QTY	FOOT CANDLES	TYPE / MODEL	QTY	SIZE (IN.)	LOCATION	FIRE SYSTEM	CONTROLS
1	FRYER HOOD ITEM 59					X-TRACTOR	5	16			
						STAINLESS STEEL	0	20	16		

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

Direct Drive Upblast Centrifugal Roof Exhaust Fan

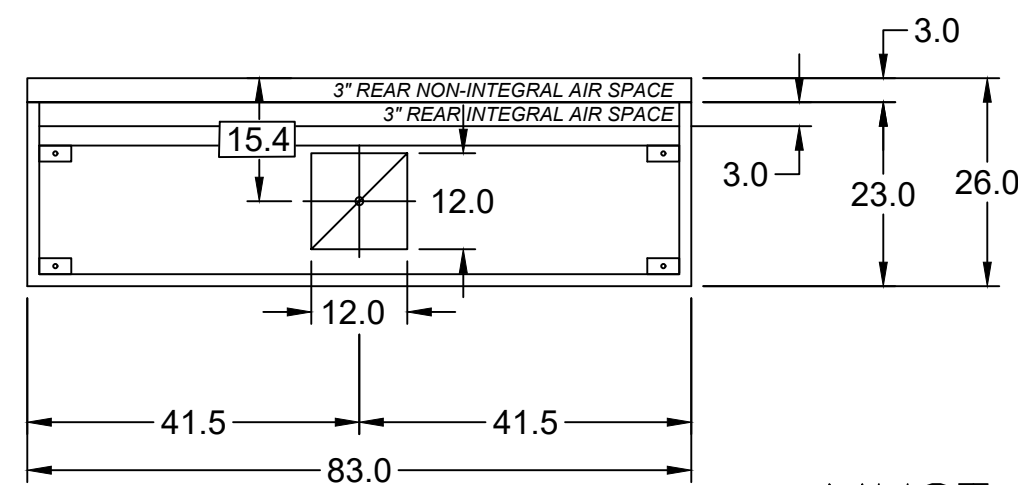
MARK INFORMATION			FAN INFORMATION					MOTOR INFORMATION					
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	PRV-3 Fryer Fan	XCUE-140-VG	1,500	1	1,349	0.46	92	1	115/60/1	OP	1725	1	16

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

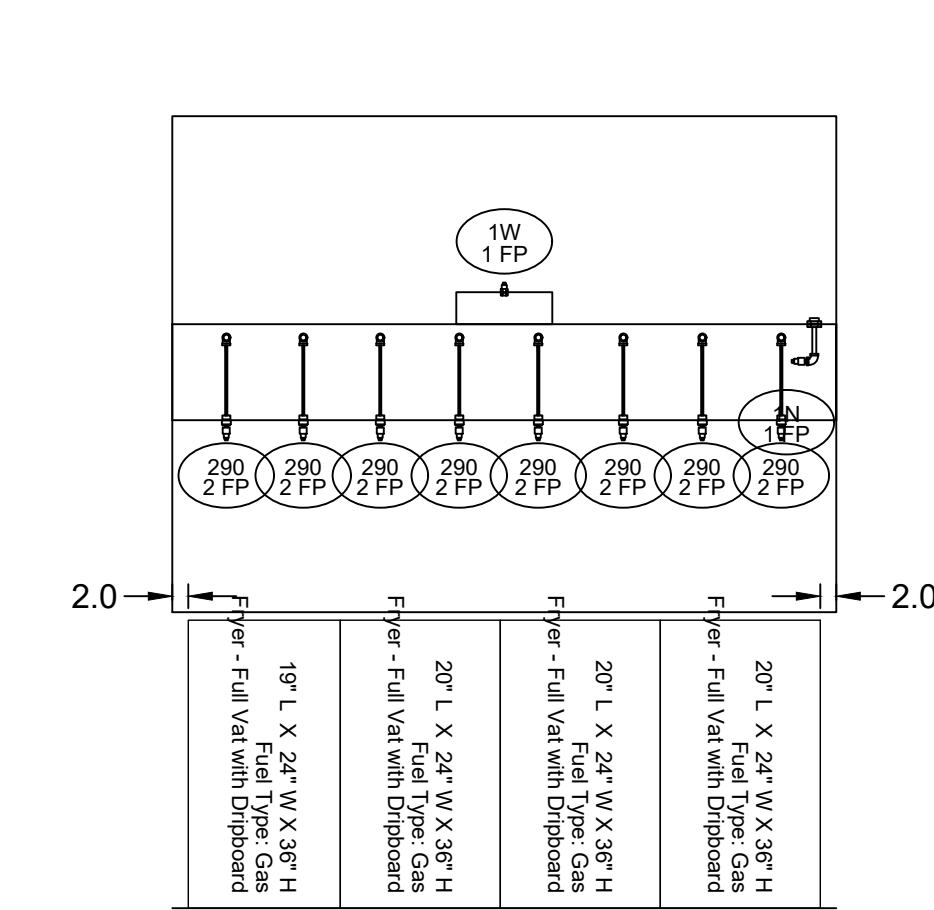
FOOD SERVICE EQUIPMENT #59



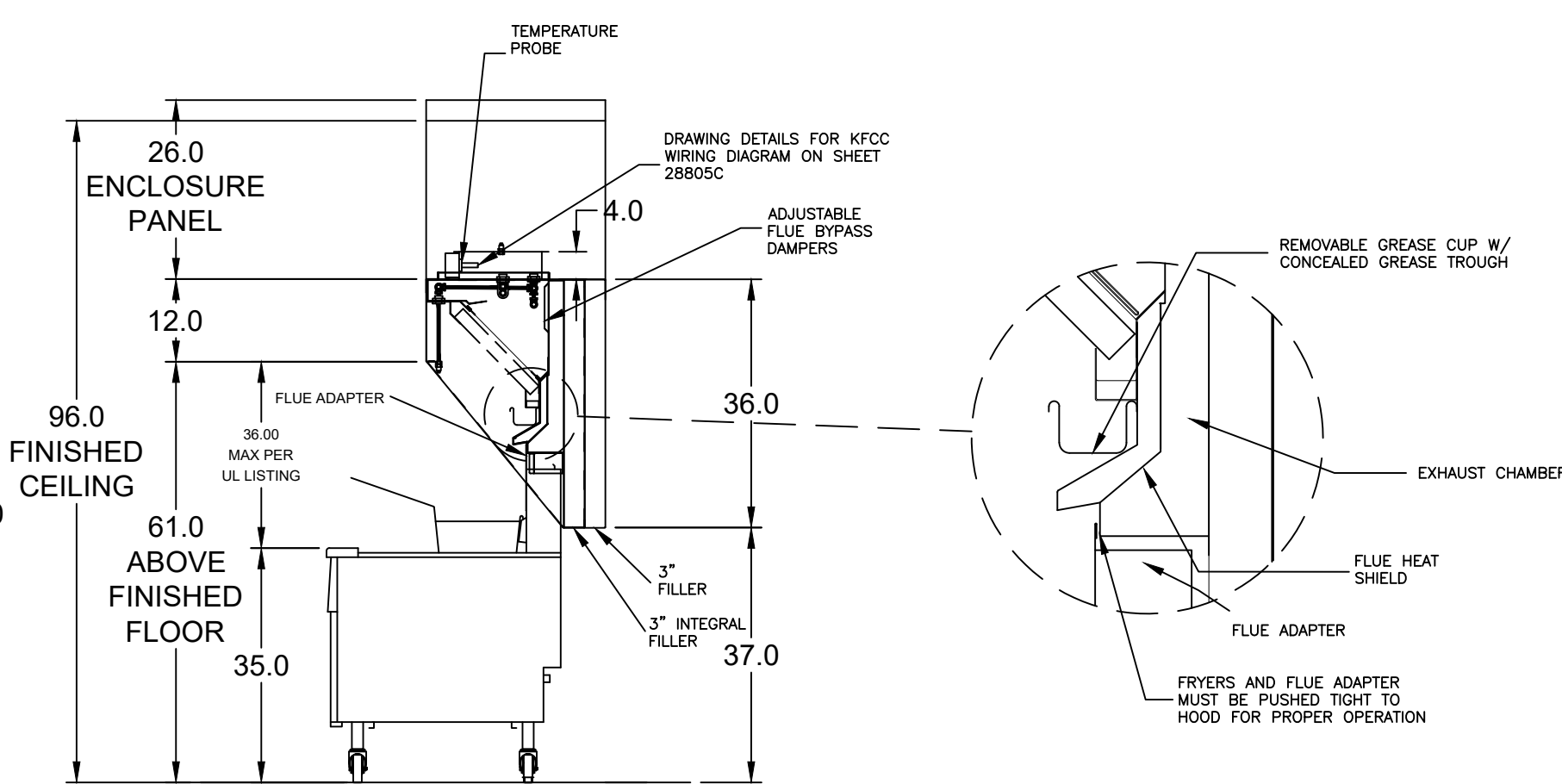
MARK: Fryer Hood PLAN VIEW

MUST USE WITH PITCO MODEL CU-SSH60W

PITCO FRYER 4-VAT FLUE ADAPTER



SECTION 1 ELEVATION VIEW



MARK: ITEM #59 SECTION VIEW

FIRE SYSTEM INFORMATION

MARK	MODEL	LOCATION	FLOW POINTS		SUPPLY LINE	DETECTION
			HOODS	PCU		
FIRE SUPPRESSION-FRYER HOOD	ANSUL R-102 WET CHEMICAL	REMOTE MOUNTED	18 UTILIZED 22 AVAILABLE		CONTINUOUS	FUSIBLE LINK

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
 PRE-TEST - INCLUDED

HOOD SUPPRESSION AGENT - INCLUDED - 6 GAL. - ((2) 3.0 TANK(S))
 REMOTE PULL STATION - STANDARD - INSTALLATION AT SINGLE POINT OF EGRESS

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

CONTROL PANEL

NOT TO SCALE

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 STANDARD TO THE RIGHT END OF THE HOOD UNLESS A WALL IS LOCATED ON THE RIGHT END.
- ANSUL AUTOMAN RELEASE TO BE LOCATED WITHIN 80" 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.
 - MANUAL AUTOMAN RELEASE TO BE SUPPLIED BY MANUFACTURER FOR CONNECTION TO, BUT NOT LIMITED TO, BUILDING ALARM SYSTEMS, 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 LOGGING REQUIREMENTS IN REMOTE AREAS. NORMAL TRAVEL DISTANCE IS FIRST 50 MI. (80.5 KM) FROM OFFICE.
 - SPECIAL LABORS 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 (6.1 M).
 - 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.

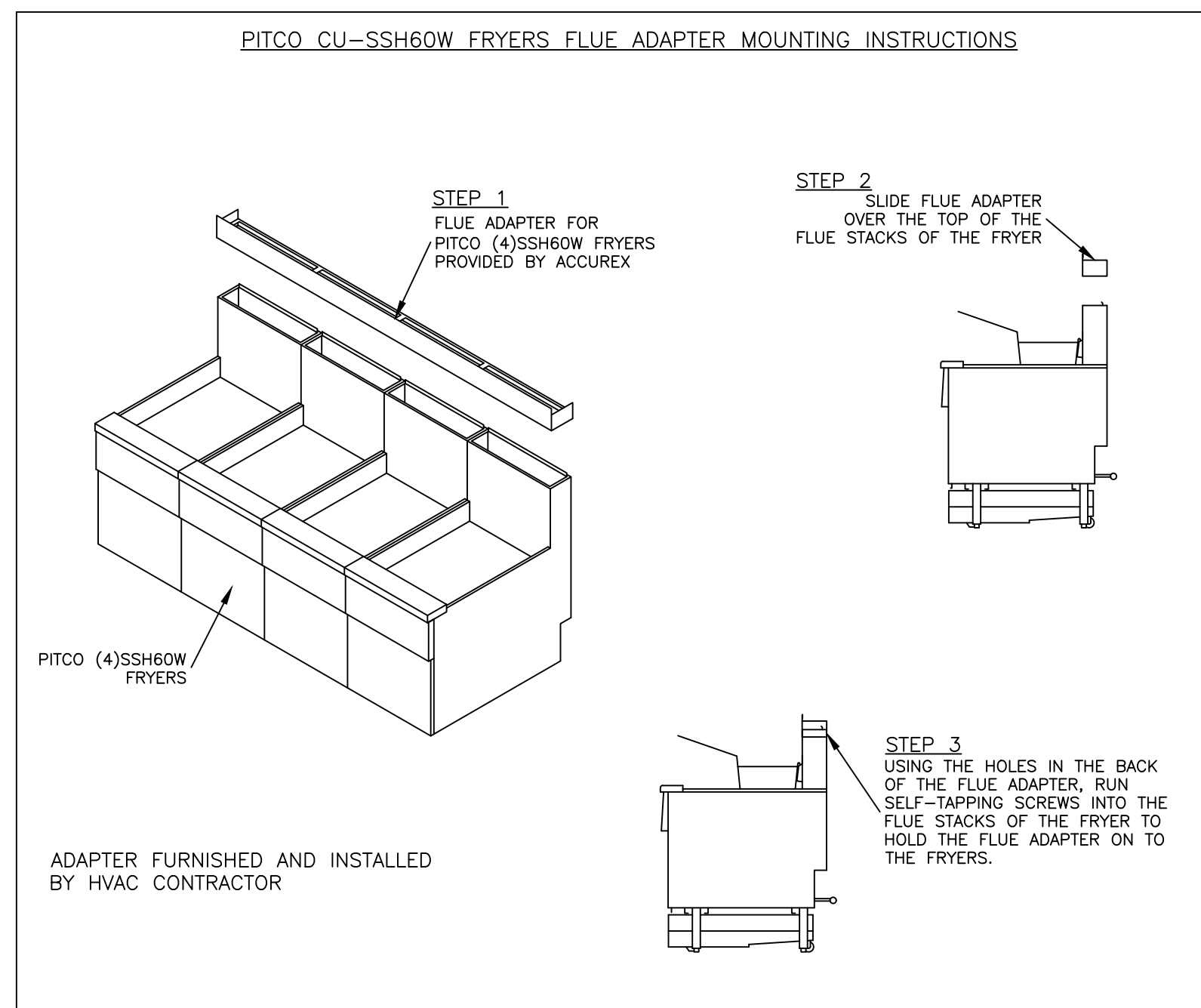
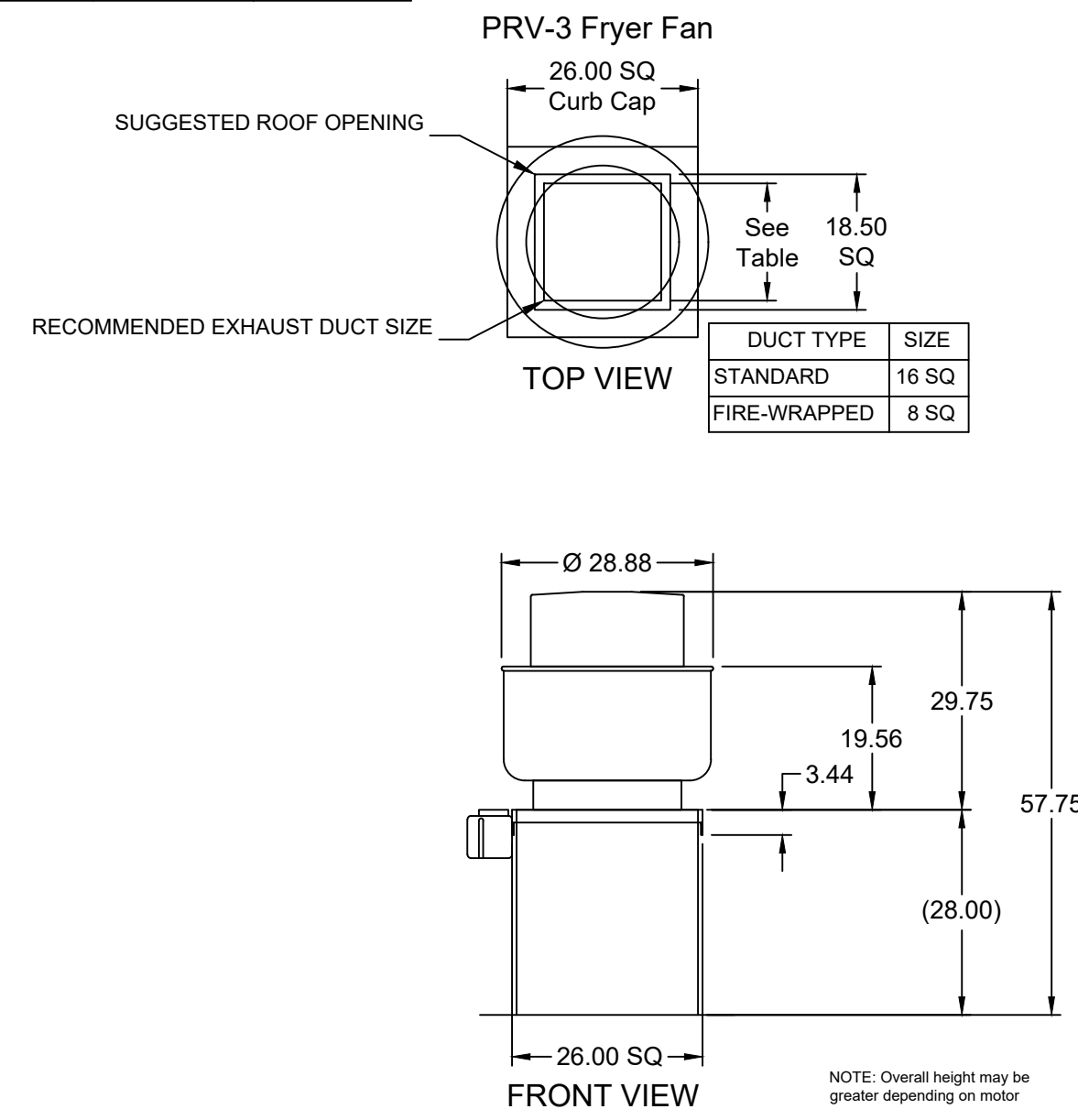
ENCLOSURE PANEL INSTALLATION DETAIL

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 = 61" FROM FINISHED FLOOR TO LOWER FRONT EDGE OF HOOD.
- OTHER HANGING HEIGHT = " FROM FINISHED FLOOR TO LOWER EDGE OF HOOD.

HOOD HANGER BRACKET DETAIL FOR BACKSHELF HOODS



CULVERS-METROL PROTOTYPE_VG_NODH

PROJECT: 2/17/2023

MARK: ACCUREX - WI, IA PHILLIP KRAFT@ACCUREX.COM 262-227-7865

ACCCUREX

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NEW CULVER'S RESTAURANT
 8400 MURANO DEL LAGO
 Estero, FL 34135
 County of LEE

SEAL

OWNER: Estero Sweet Dreams Hospitality LLC
 8625 Sweet Dreams Blvd
 Fort Myers, FL 33907
 Mike Busalacchi
 414-687-1245

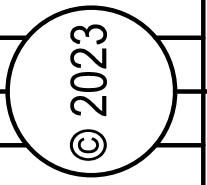
OLLMANN ASSOCIATES ARCHITECTS, P.C.
 200 South State Street
 Belvidere, Illinois 61008
 815-544-7190 Phone
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FRYER HOOD/EXHAUST SCHEDULE & DETAILS

Date: 06-09-2023 Revision:

2022-001

M203



NEW CULVER'S RESTAURANT
 8400 MURANO DEL LAGO
 Estero, FL 34135
 County of LEE

SEAL

OWNER:
 Estero Sweet Dreams Hospitality LLC
 200 South State Street
 Highland, WI 53029
 Mike Busalacchi
 414-687-1245

OLLMANN ASSOCIATES ARCHITECTS, P.C.
 200 South State Street
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 815-544-7190 Phone
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FAN SCHEDULE & DETAILS

Revision:
 Date: 06-09-2023

2022-001



EQUIPMENT SCHEDULE

ELECTRICAL CONTROL BOX		EXHAUST FAN QTY	SUPPLY FAN QTY	MARK: KXC
DESCRIPTION / ACCUREX MODEL	MOUNTING LOCATION (CONTROL PANEL / SWITCHES)			
KITCHEN FAN CONTROL CENTER / XKC SHIP LOOSE / SHIP LOOSE FOR REMOTE MOUNTING		2	0	60 CYCLE
CONTROL PANEL ENCLOSURE - 16 GA 304 STAINLESS STEEL ENCLOSURE (NEMA-1) - DIMENSIONS 18 X 20 X 6				
WIRING DIAGRAM # T100-2 - 20				
STARTERS PROVIDED IN CONTROL PANEL - QTY 2				
USER INTERFACE CONTROL - QTY 1				
INTEGRATED EXHAUST TEMPERATURE INTERLOCK SYSTEM				
-FACTORY MOUNTED EXHAUST TEMPERATURE SENSORS - QTY 2				
-COMPLIES WITH INTERNATIONAL MECHANICAL CODE 2006 SECTION 507.2.1.1				
TURN ON EXHAUST IN FIRE				
THERMAL OVERLOADS IN CABINET				

EQUIPMENT SCHEDULE

Direct Drive Centrifugal Roof Exhaust Fan		MARK: PRV-1 Restroom										
Qty	Accurex Model	Volume (CFM)	SP (in wg)	FRPM	Operating Power (hp)	Weight (Lb.)	Size (hp)	V/CP	Encr.	Motor RPM	Windings	FLA
1	XRED-090-VG	375	0.5	1465	0.060	30	0.1	11560/1	OP	1725	1	NA

OPTIONS AND ACCESSORIES

UL/ULC 705 Listed - "Power Ventilators"
 Switch, NEMA-1, Toggle, Shipped with unit
 Curb Seal (Attached)
 Damper, WD-100-PS-10X10, Gravity Operated (Loose)
 Van-Green electronically commutated motor, speed dial adjustment on motor
 Roof Curb-Galv, GPI-17-10-G12, Undersized 1.5" total

EQUIPMENT SCHEDULE

Ceiling Exhaust Fan		MARK: EF-1 Exhaust Fan										
Qty	Accurex Model	Volume (CFM)	SP (in wg)	FRPM	Operating Power (hp)	Weight (Lb.)	Size (hp)	V/CP	Encr.	Motor RPM	Windings	FLA
2	XCR-B80	75	0.125	855	0.01	10	0.0	11560/1	OP	900	1	NA

OPTIONS AND ACCESSORIES

UL/ULC 705 Listed - Electric fan
 Solid State Speed Control, 6.0 amp, mounted and wired
 Round Hooded Wall cap, (P/N: WC-6) Mounted and Wired)
 Designer Grille
 Round duct connection
 Polypropylene Wheel Material
 Energy Star Rated

FOR TECHNICAL SUPPORT ON ACCUREX CONTROLS PLEASE CALL
 ACCUREX TECHNICAL SUPPORT:
 1-800-371-6858
 SECONDARY CONTACTS ARE:
 AARON VAN KREY 715.841.8521
 TYLER SCHILLING 715.841.8749

Thank you for your interest in Accurex

SUBMITTAL

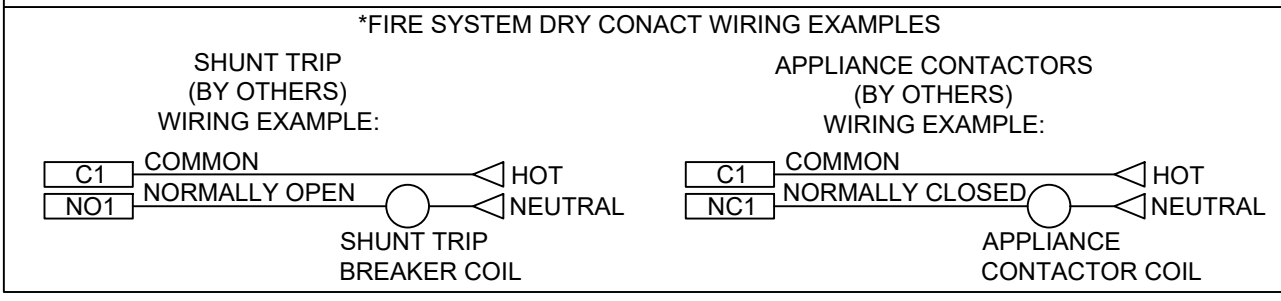
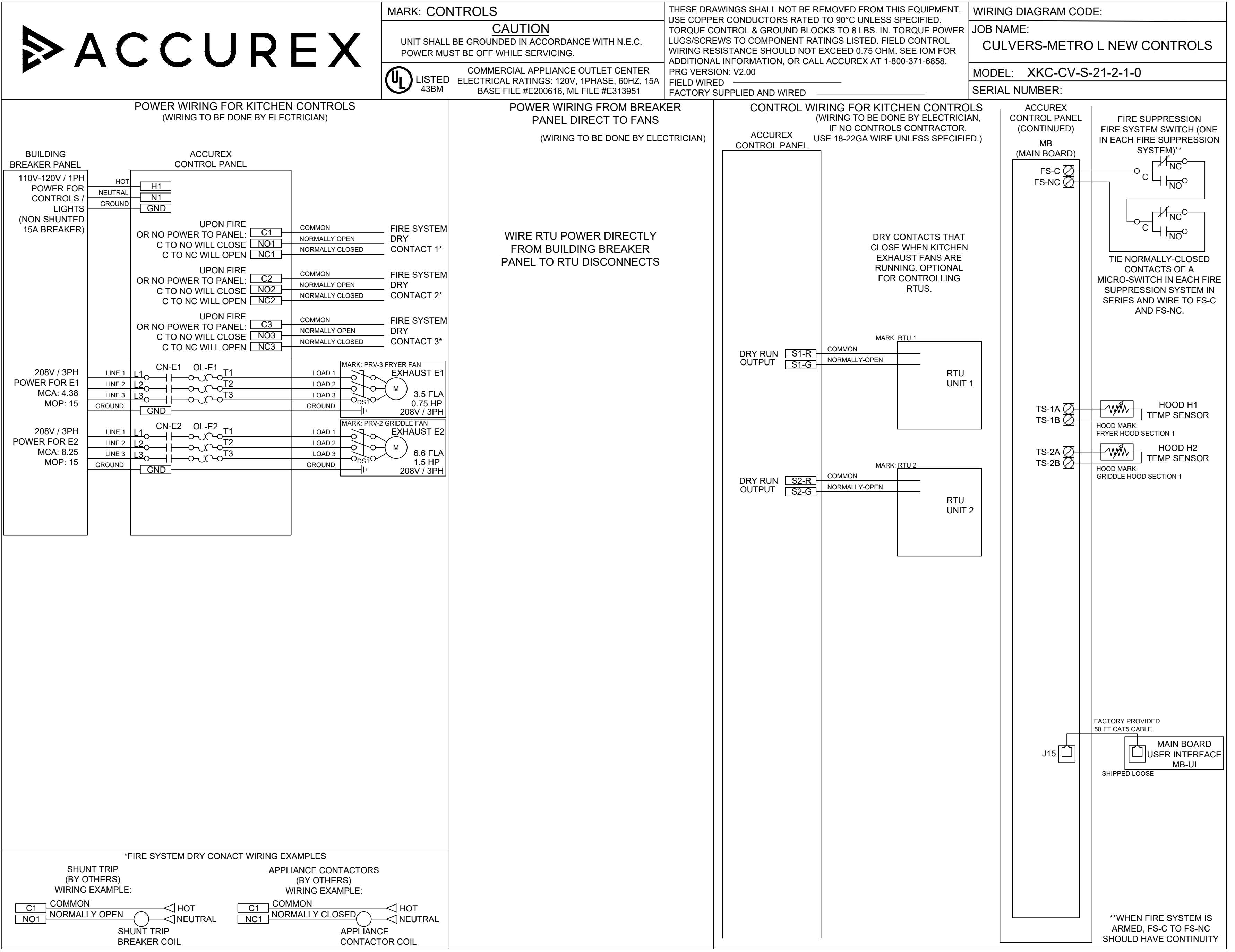
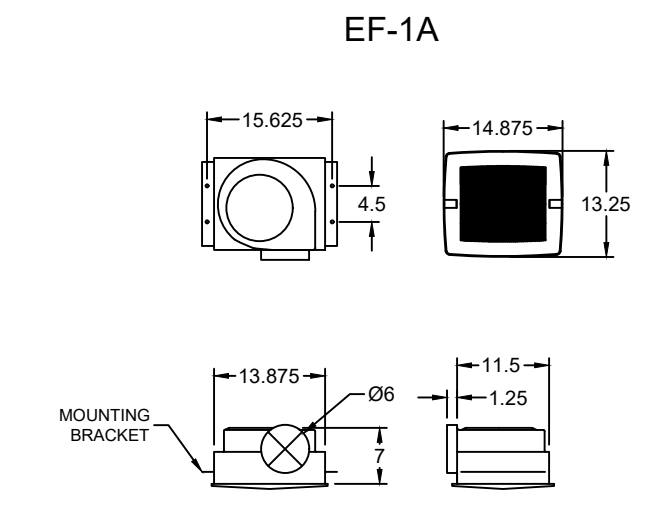
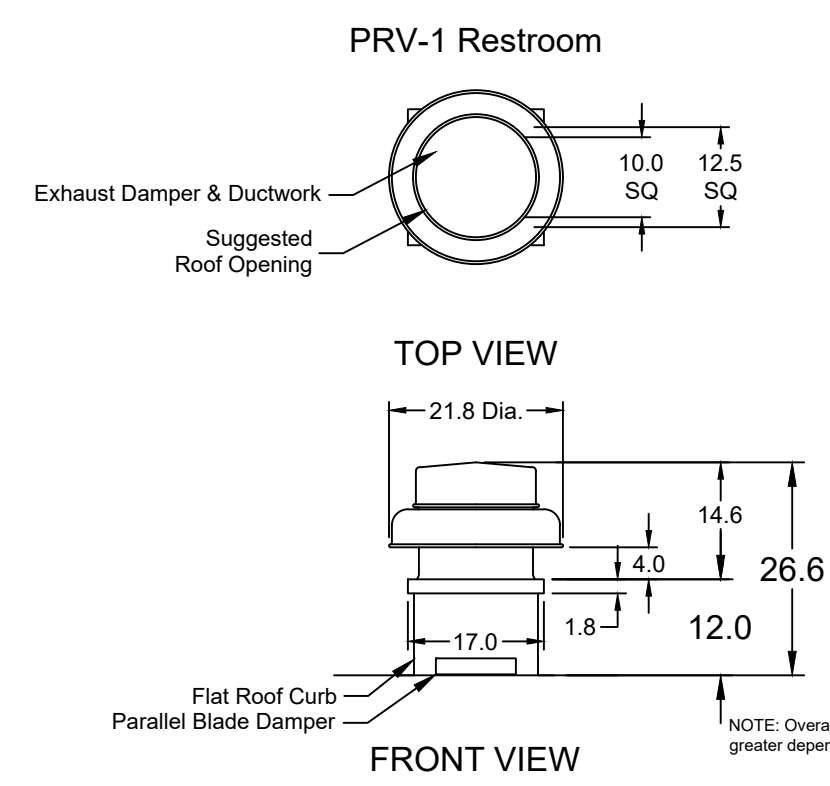
Please return one approved print to your Greenheck Representative including signature, date, and answers to all submittal "verify" notes and questions. Fabrication will not begin until after approved drawings are received.

- APPROVED AS SUBMITTED
- APPROVED AS NOTED
- REJECTED - REVISE AND RESUBMIT

SIGNATURE _____ DATE _____

REV	DESCRIPTION	DATE

DRAWN BY: GNH
 CHECKED BY: _____
 SUPERSEDES: _____
 SCALE: 1/24
 CAD DRAWING NO.: _____
 TITLE: CULVER'S MASTER TEMPLATE
 C28805C



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VENTILATION SYSTEM NOTES
 Greenheck ventilators are designed in compliance with all national codes: NFPA # 96, national electric code, BOCA, uniform mechanical code, international mechanical code, and southern building conference. See national evaluation report #436 for allowable values, and/or conditions of use concerning material presented in this document. Local codes may vary. It is the responsibility of the purchaser to submit drawings to local authorities.
 Exhaust and supply air volumes are to be maintained within -5% to +10% tolerance of values indicated. Static pressure(s) indicated are for the ventilator at the duct connection(s) only.
 The grease filter face velocities are based on the filter manufacturers recommendations for maximum grease extraction. Inlet opening air velocities for waterwash, dry cartridge and high velocity cartridge filters manufactured by Greenheck are designed to deliver maximum grease extraction.
 Hoods installation (by others unless otherwise noted) shall be in accordance with NFPA # 96 and applicable building codes.

MARK: CONTROLS

CAUTION
 UNIT SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.

UL LISTED 438M

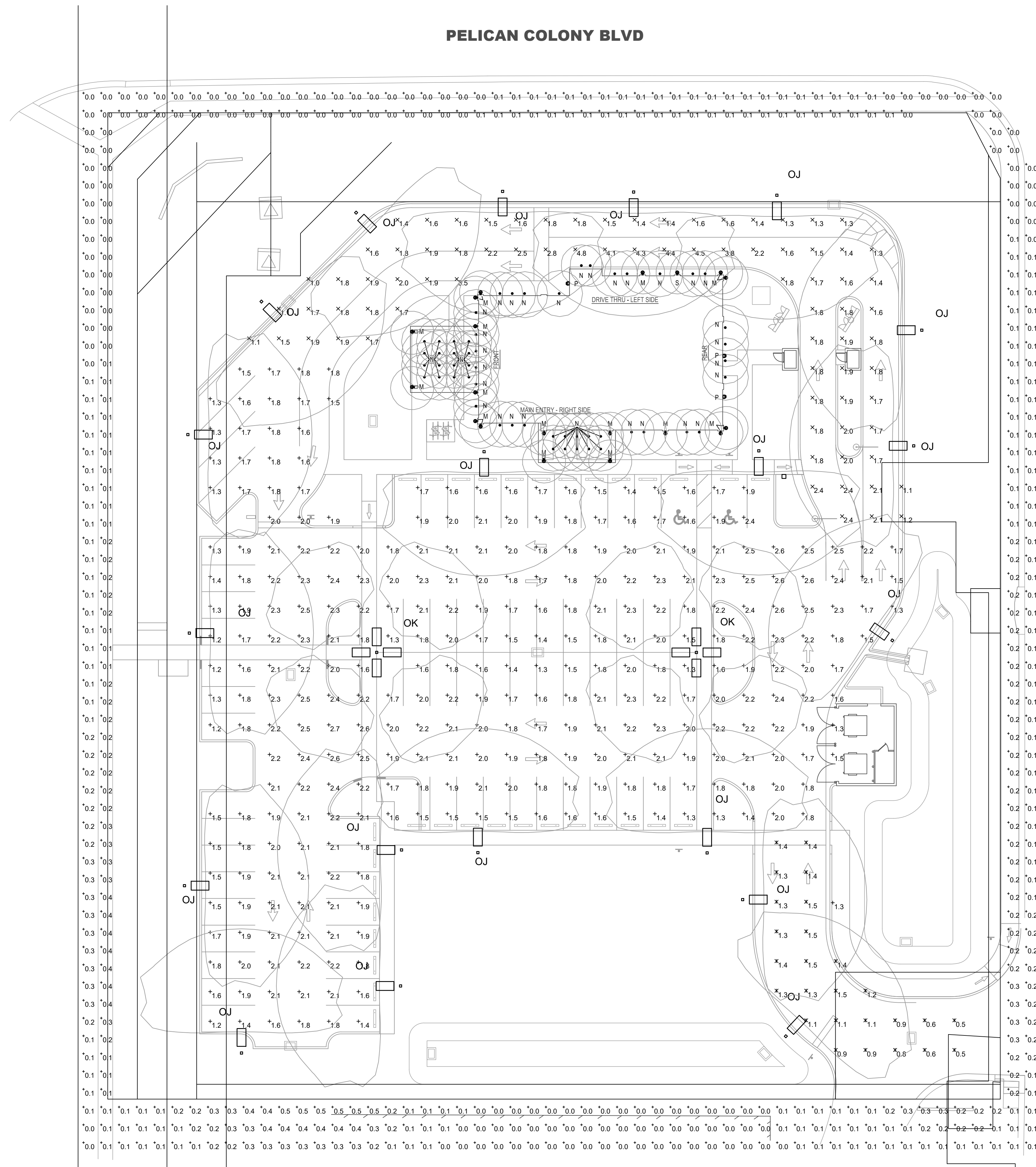
COMMERCIAL APPLIANCE OUTLET CENTER
 ELECTRICAL RATINGS: 120V, 1PHASE, 60HZ, 15A
 BASE FILE #E200616, ML FILE #E313951

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. FIELD CONTROL WIRING RESISTANCE SHOULD NOT EXCEED 0.75 OHM. SEE IOM FOR ADDITIONAL INFORMATION, OR CALL ACCUREX AT 1-800-371-6858. PRG VERSION: V2.00
 FIELD WIRED
 FACTORY SUPPLIED AND WIRED

WIRING DIAGRAM CODE:
 JOB NAME:
 CULVERS-METRO L NEW CONTROLS
 MODEL: XKC-CV-S-21-2-1-0
 SERIAL NUMBER:



PELICAN COLONY BLVD



STATISTICS						
DESCRIPTION	SYMBOL	AVG	MAX	MIN	MAXMIN	AVGMIN
DRIVE THROUGH	×	1.9 fc	4.8 fc	1.0 fc	4.8:1	1.9:1
ENTRY	⊗	1.1 fc	1.5 fc	0.5 fc	3.0:1	2.2:0.1
PARKING	+	1.9 fc	2.7 fc	1.2 fc	2.3:1	1.6:1
SPILL	+	0.1 fc	0.5 fc	0.0 fc	NA	NA

LUMINAIRE SCHEDULE - SITE LIGHTING				
SYMBOL	LABEL	CATALOGUE NUMBER	LAMP	WATTS
□ ○	OJ	DSX0 LED P4 AMBPC BLC MVOLT 25' POLE: POLE BASE @ 6' ABOVE GRADE	LED	68
□ ⊕	OK	(4) DSX0 LED P4 AMBPC BLC MVOLT 25' POLE: POLE BASE @ 6' ABOVE GRADE	LED	272

LUMINAIRE SCHEDULE - BUILDING MOUNT				
SYMBOL	LABEL	CATALOGUE NUMBER	LAMP	WATTS
•	N	LDN6 3005 LOGAR LSS MVOLT LITHONIA	LED	7.6
□	P	WPX0 LED AL0-3 30K MVOLT LITHONIA	LED	92
⊖	M	GNSLED 13YSTA RAB LIGHTING	LED	13

H3 SITE PHOTOMETRIC PLAN
SCALE: 1" = 20'-0"

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NEW CULVER'S RESTAURANT
8400 MURANO DEL LAGO
 Estero, FL 34135
 County of LEE

SEAL

OWNER:
 Estero Sweet Dreams Hospitality LLC
 N62W30625 Beaver View Road
 Hartland, WI 53029
 Mike Busalacchi
 414-687-1245

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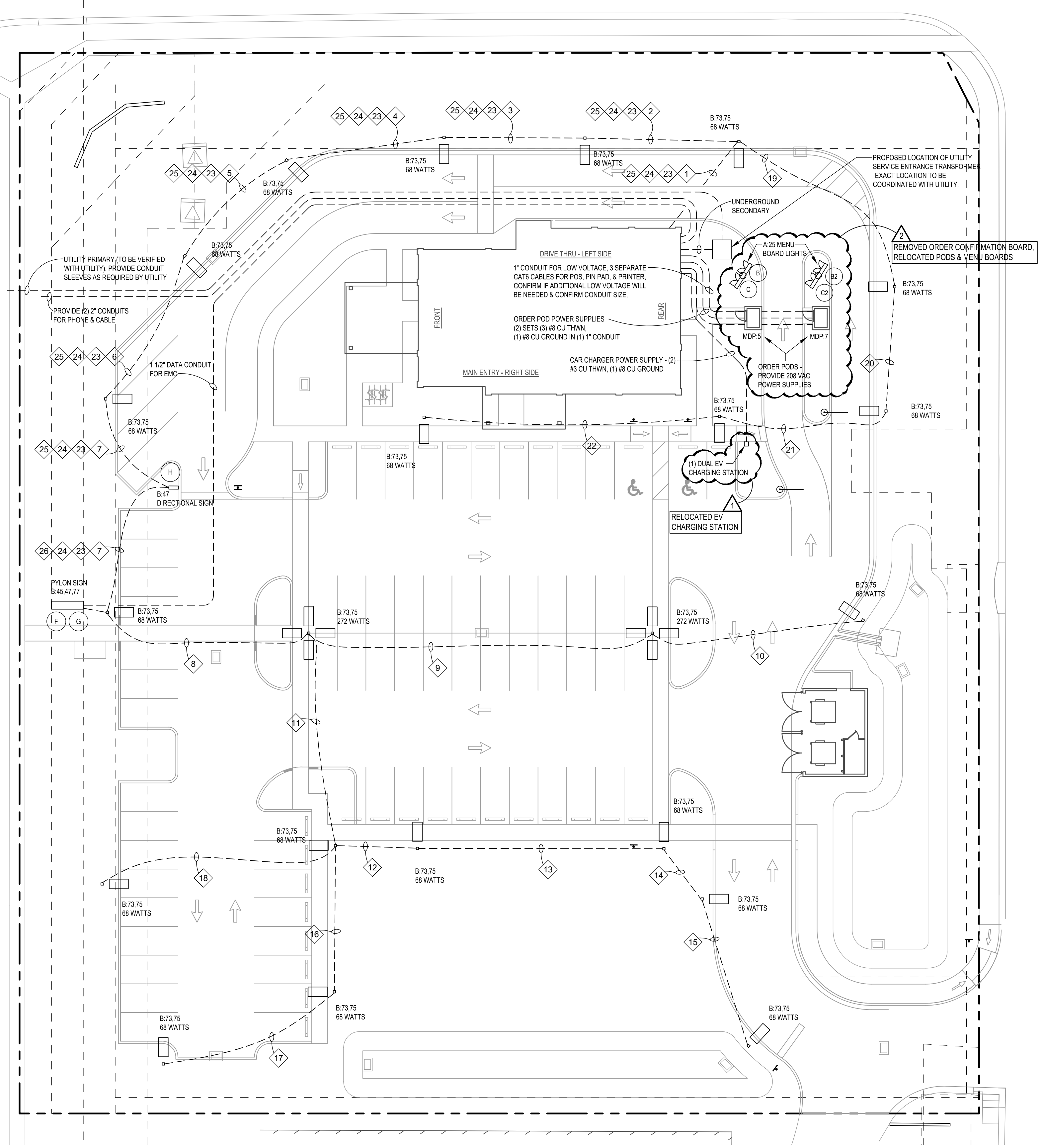
SITE PHOTOMETRIC PLAN

Date: 06-09-2023 Revision:

2022-001

SE 101

PELICAN COLONY BLVD



KEY NOTES AND SYMBOLS

SEE WIRING SCHEDULE

A SEE DRIVE THROUGH REQUIREMENTS AND SITE SIGNAGE SCHEDULE

DRIVE THROUGH REQUIREMENTS - SEE ALSO E102

ITEM	SOURCE	DESTINATION	CONDUITS
A	ORDER CONFIRMATION BOARD (OCB)	MENU BOARD	(1) 1-1/2" COMMUNICATION (1) 1-1/2" POWER (1) 1-1/2" SENSOR LOOP
B	MENU BOARD	DRIVE THROUGH SERVICE AREA	(1) 1-1/2" SENSOR LOOP
C	MENU BOARD	OFFICE	(1) 1-1/2" COMMUNICATION (1) 1-1/2" POWER

SECOND DRIVE THROUGH REQUIREMENTS

ITEM	REQUIREMENTS
A2,B2,C2	SAME REQUIREMENTS AS ITEMS A, B AND C ABOVE

COORDINATE LOCATION OF MENU BOARD / OCB w/ OWNER AND SIGNAGE AND OCB CONTRACTOR(S). REFER TO DETAIL ON SHEET SEE 202 FOR ADDITIONAL INFORMATION. SEE E202 FOR CONTROL OF MENU BOARD LIGHTS.

H6 SITE ELECTRICAL PLAN
 SCALE: 1" = 20'-0"



Series 8 EV Charging Station

Series 8 EV Charging Station



BlinkCharging.com • (888) 998.2546

Power Specifications	
AC Power Output, Maximum (Per Port)	Level II: 19.2 kW (240VAC@80A) or 16.64 kW (208VAC@80A)
AC Power Input (Per Port)	Level II: 80A; Line 1, Line 2, and GND (no neutral)
Vehicle to Charger Connection (Per Port)	SAE J1772 EV Connector
Energy Metering Accuracy	+/- 1%
Standby Power (Per Port)	6.5 W Typical
Service Panel Breaker (Per Port)	Dual-pole common trip 100A breaker, dedicated circuit
California Type Evaluation Program	Certified
Safety	
Safety, Ground Fault Circuit Interrupt	20mA CCID with auto retry (every 15 seconds)
Automatic Plug-Out Detection	Power terminated per SAE J1772 spec: SMS or email notification
Surge Protection	6kV @3,000A
Safety & EMI Compliance	UL 2231-1, 2231-2, UL 2594, NEC Article 625, FCC Part 15 Class A
Network	
Data Communication	Cellular 4G LTE
Communication Protocol	OCPP Compliant
Firmware Management	Over-the-Air (OTA) update enabled
User Interaction	
LED Array	High visibility, multi-color visual status indication
Display	4.3" Color LCD, 480 x 272
RFID Reader	ISO14443 Type A & B, MiFare, Felica; NFC, ISO15693

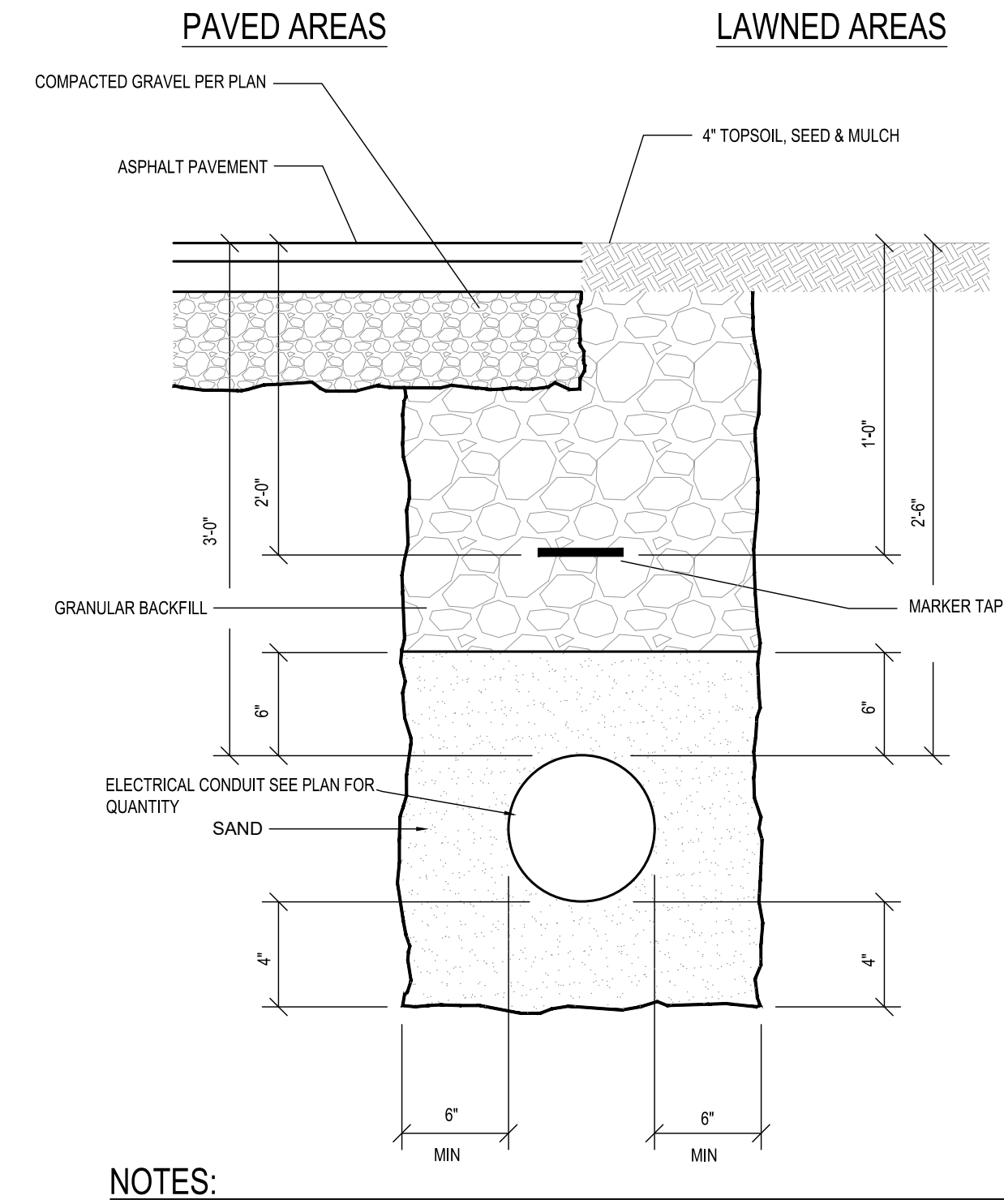
P001227H03



BlinkCharging.com • (888) 998.2546

Environmental	
Enclosure	Aluminum, NEMA 3R outdoor rated
Operating Humidity	Up to 95% non-condensing
Operating Temperature	-30 degree C to +50 degree C ambient
Mechanical	
Dimensions	w/CC reader 24" H x 7.4" W x 9" D; w/o CC reader 24" H x 7.4" W x 7.5" D
Approximate Weights	Device: w/CC reader 21.7 lbs.; w/o CC reader 21 lbs.; pedestal mount: 12.5 lbs., wall mount
Installation	Indoor / Outdoor
Mounting Option	Integrated wall and pedestal mount
ADA Compliance	Yes
Cable Length	18 ft. standard, 25 ft. optional

P001227H03

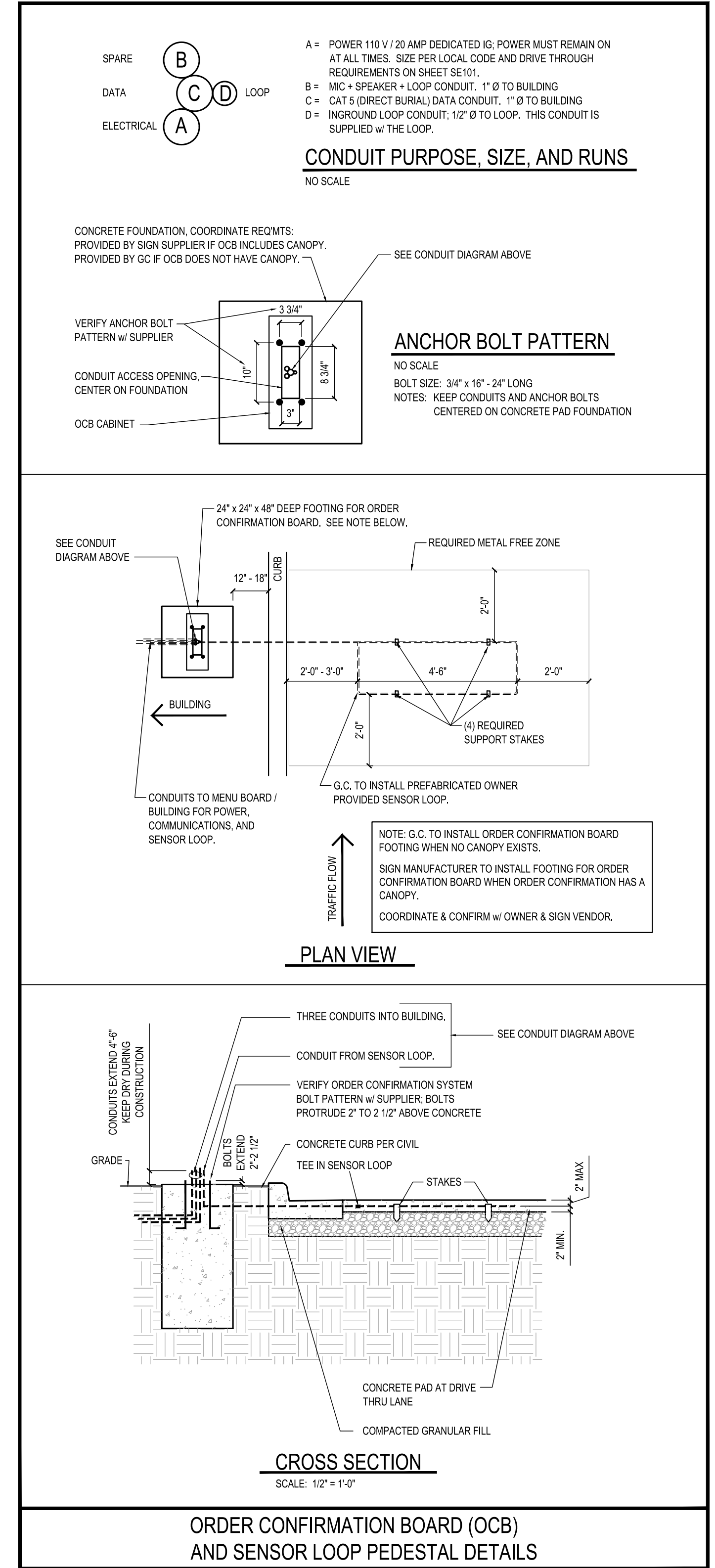


NOTES:

1. PROVIDE CONDUIT SPACERS EVERY 6 FEET.

ELECTRICAL CONDUIT TRENCH DETAIL

NTS



ORDER CONFIRMATION BOARD (OCB) AND SENSOR LOOP PEDESTAL DETAILS

CULVER'S SITE WIRING SCHEDULE

CONTRACTOR SHALL BE REQUIRED TO COMPLETE ALL FINAL CONNECTIONS TO MACHINES INCLUDING ALL WIRING THROUGH STARTERS AND DISCONNECTS

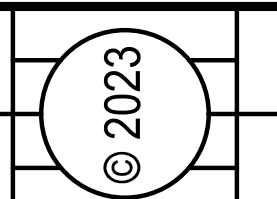
ITEM	DESCRIPTION	SIZE	FULL LOAD AMPS	CUMULATIVE DEMAND	SOURCE	DESTINATION	RACEWAY	WIRING	APPROXIMATE DISTANCE IN FEET (TO BE DETERMINED BY CONTRACTOR)	APPROXIMATE VOLTAGE DROP	% VD
1	FIXTURE OJ	68 WATTS	0.33	9.15	PANEL B	FIXTURE OJ	2"	(2) #4 CU THWN, (3) #4 CU GROUND	70	0.39	0.19%
2	FIXTURE OJ	68 WATTS	0.33	7.52	FIXTURE OJ	FIXTURE OJ	2"	(2) #4 CU THWN, (3) #4 CU GROUND	85	0.39	0.37%
3	FIXTURE OJ	68 WATTS	0.33	7.19	FIXTURE OJ	FIXTURE OJ	2"	(2) #4 CU THWN, (3) #4 CU GROUND	85	0.37	0.55%
4	FIXTURE OJ	68 WATTS	0.33	6.87	FIXTURE OJ	FIXTURE OJ	2"	(2) #6 CU THWN, (3) #6 CU GROUND	90	0.60	0.84%
5	FIXTURE OJ	68 WATTS	0.33	6.54	FIXTURE OJ	FIXTURE OJ	2"	(2) #6 CU THWN, (3) #6 CU GROUND	80	0.51	1.08%
6	FIXTURE OJ	68 WATTS	0.33	6.21	FIXTURE OJ	FIXTURE OJ	2"	(2) #6 CU THWN, (3) #6 CU GROUND	85	0.51	1.33%
7	FIXTURE OJ	68 WATTS	0.33	5.88	FIXTURE OJ	FIXTURE OJ	2"	(2) #6 CU THWN, (3) #6 CU GROUND	90	0.51	1.58%
8	FIXTURE OK	272 WATTS	1.3	5.56	FIXTURE OJ	FIXTURE OK	1"	(2) #6 CU THWN, (3) #6 CU GROUND	95	0.51	1.82%
9	FIXTURE OK	272 WATTS	1.3	1.63	FIXTURE OK	FIXTURE OK	1"	(2) #10 CU THWN, (3) #10 CU GROUND	95	0.38	2.00%
10	FIXTURE OJ	68 WATTS	0.33	0.33	FIXTURE OK	FIXTURE OJ	1"	(2) #10 CU THWN, (3) #10 CU GROUND	90	0.07	2.04%
11	FIXTURE OJ	68 WATTS	0.33	2.62	FIXTURE OK	FIXTURE OJ	1"	(2) #10 CU THWN, (3) #10 CU GROUND	102	0.26	1.95%
12	FIXTURE OJ	68 WATTS	0.33	1.31	FIXTURE OJ	FIXTURE OJ	1"	(2) #6 CU THWN, (3) #6 CU GROUND	60	0.08	1.98%
13	FIXTURE OJ	68 WATTS	0.33	0.98	FIXTURE OJ	FIXTURE OJ	1"	(2) #6 CU THWN, (3) #6 CU GROUND	110	0.10	2.03%
14	FIXTURE OJ	68 WATTS	0.33	0.65	FIXTURE OJ	FIXTURE OJ	1"	(2) #10 CU THWN, (3) #10 CU GROUND	60	0.10	2.08%
15	FIXTURE OJ	68 WATTS	0.33	0.33	FIXTURE OJ	FIXTURE OJ	1"	(2) #10 CU THWN, (3) #10 CU GROUND	85	0.07	2.11%
16	FIXTURE OJ	68 WATTS	0.33	0.65	FIXTURE OJ	FIXTURE OJ	1"	(2) #10 CU THWN, (3) #10 CU GROUND	80	0.13	2.01%
17	FIXTURE OJ	68 WATTS	0.33	0.33	FIXTURE OJ	FIXTURE OJ	1"	(2) #10 CU THWN, (3) #10 CU GROUND	90	0.07	2.04%
18	FIXTURE OJ	68 WATTS	0.33	0.33	FIXTURE OJ	FIXTURE OJ	1"	(2) #10 CU THWN, (3) #10 CU GROUND	105	0.08	1.99%
19	FIXTURE OJ	68 WATTS	0.33	1.32	FIXTURE OJ	FIXTURE OJ	1"	(2) #10 CU THWN, (3) #10 CU GROUND	90	0.29	0.23%
20	FIXTURE OJ	68 WATTS	0.33	0.99	FIXTURE OJ	FIXTURE OJ	1"	(2) #10 CU THWN, (3) #10 CU GROUND	70	0.17	0.41%
21	FIXTURE OJ	68 WATTS	0.33	0.67	FIXTURE OJ	FIXTURE OJ	1"	(2) #10 CU THWN, (3) #10 CU GROUND	85	0.09	0.45%
22	FIXTURE OJ	68 WATTS	0.33	0.33	FIXTURE OJ	FIXTURE OJ	1"	(2) #10 CU THWN, (3) #10 CU GROUND	110	0.04	0.47%
23	MONUMENT SIGN	960 WATTS	8	8.00	PANEL B	MONUMENT SIGN	2"	(2) #4 CU THWN, (3) #4 CU GROUND	360	1.75	1.46%
24	MONUMENT SIGN	960 WATTS	8	8.00	PANEL B	MONUMENT SIGN	2"	(2) #4 CU THWN, (3) #4 CU GROUND	360	1.75	1.46%
25	MONUMENT/DIRECTIONAL SIGN LIGHTS	540 WATTS	4.5	4.50	PANEL B	MONUMENT/DIRECTIONAL SIGN LIGHTS	2"	(2) #8 CU THWN, (3) #8 CU GROUND	308	2.13	1.78%
26	MONUMENT SIGN LIGHTS	480 WATTS	4	4.00	PANEL B	DIRECTIONAL SIGN	1"	(2) #8 CU THWN, (3) #8 CU GROUND	52	0.32	2.04%

EQUIPMENT SCHEDULE

ITEM	DESCRIPTION	QTY	TYPE	VOLT	PHASE	AMP	CONN. TYPE	COMMENTS
F	MAIN FREESTANDING SIGN	1	NEW	115	1	16.0	DIR.	
	1) SIGN CONTROL	1	NEW					MAIN SITE SIGNS ARE CONTROLLED VIA A TIMECLOCK WITH A PHOTOCCELL OVERRIDE. THERE MAY BE TWO MAIN SITE SIGNS. VERIFY ALL SIGN REQUIREMENTS WITH SIGN CONTRACTOR BEFORE ROUGH-IN.
G	ELECTRONIC MESSAGE CENTER (EMC)	1	NEW	115	1	2 @ 16.0	DIR.	TWO INDEPENDENT 20.0 AMP CIRCUITS ARE REQUIRED FOR THE EMC. EACH CIRCUIT TO HAVE AN INDEPENDENT NEUTRAL. THERE MAY BE TWO EMC SIGNS. VERIFY ALL SIGN REQUIREMENTS WITH SIGN CONTRACTOR BEFORE ROUGH IN.
	1) EMC CONTROL	1	NEW					EMC MUST HAVE CONSTANT 24/7 POWER. DO NOT SWITCH.
	2) COMMUNICATION CONDUIT	1	NEW					PROVIDE AN EMPTY 1 1/2" CONDUIT, WITH SWEEPING 90s AND PULL BOXES, FROM OFFICE TO SIGN FOR COMMUNICATION LINES. VERIFY WITH SIGN CONTRACTOR AND OWNER IF REQUIRED / DESIRED PER NOTE ABOVE.
H	SITE DIRECTIONAL SIGNS	LOT	NEW	115	1	1.0	DIR.	THERE MAY BE MORE THAN ONE OF THESE SIGNS ON THE SITE. VERIFY WITH SIGN CONTRACTOR BEFORE ROUGH IN.
	1) SIGN CONTROL	1	NEW					DIRECTIONAL SIGNS AS WELL AS MAIN SITE SIGNS ARE CONTROLLED VIA A TIMECLOCK WITH A PHOTOCCELL OVERRIDE THERE MAY BE TWO MAIN SITE SIGNS. VERIFY ALL SIGN REQUIREMENTS WITH SIGN CONTRACTOR BEFORE ROUGH IN.

SITE SIGNAGE/MENU BOARD SCHEDULE

ITEM	DESCRIPTION	QTY	TYPE	VOLT	PHASE	AMP	CONN. TYPE	COMMENTS
F	MAIN FREESTANDING SIGN	1	NEW	115	1	16.0	DIR.	
	1) SIGN CONTROL	1	NEW					MAIN SITE SIGNS ARE CONTROLLED VIA A TIMECLOCK WITH A PHOTOCCELL OVERRIDE. THERE MAY BE TWO MAIN SITE SIGNS. VERIFY ALL SIGN REQUIREMENTS WITH SIGN CONTRACTOR BEFORE ROUGH-IN.
G	ELECTRONIC MESSAGE CENTER (EMC)	1	NEW	115	1	2 @ 16.0	DIR.	TWO INDEPENDENT 20.0 AMP CIRCUITS ARE REQUIRED FOR THE EMC. EACH CIRCUIT TO HAVE AN INDEPENDENT NEUTRAL. THERE MAY BE TWO EMC SIGNS. VERIFY ALL SIGN REQUIREMENTS WITH SIGN CONTRACTOR BEFORE ROUGH IN.
	1) EMC CONTROL	1	NEW					EMC MUST HAVE CONSTANT 24/7 POWER. DO NOT SWITCH.
	2) COMMUNICATION CONDUIT	1	NEW					PROVIDE AN EMPTY 1 1/2" CONDUIT, WITH SWEEPING 90s AND PULL BOXES, FROM OFFICE TO SIGN FOR COMMUNICATION LINES. VERIFY WITH SIGN CONTRACTOR AND OWNER IF REQUIRED / DESIRED PER NOTE ABOVE.
H	SITE DIRECTIONAL SIGNS	LOT	NEW	115	1	1.0	DIR.	THERE MAY BE MORE THAN ONE OF THESE SIGNS ON THE SITE. VERIFY WITH SIGN CONTRACTOR BEFORE ROUGH IN.
	1) SIGN CONTROL	1	NEW					DIRECTIONAL SIGNS AS WELL AS MAIN SITE SIGNS ARE CONTROLLED VIA A TIMECLOCK WITH A PHOTOCCELL OVERRIDE THERE MAY BE TWO MAIN SITE SIGNS. VERIFY ALL SIGN REQUIREMENTS WITH SIGN CONTRACTOR BEFORE ROUGH IN.

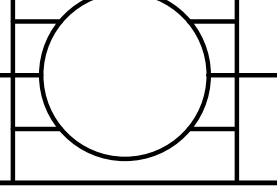


NEW CULVER'S RESTAURANT
8400 MURANO DEL LAGO
Esterio, FL 34135
County of LEE

SEAL

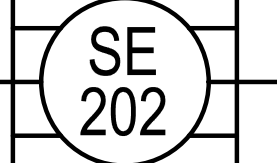
OWNER:
Esterio Sweet Dreams Hospitality LLC
N62W30625 Beaver View Road
Hartland, WI 53029
Mike Busalacchi
414-687-1245

OLLIVANN ASSOCIATES ARCHITECTS, P.C.
200 South State Street
Belvidere, Illinois 61008
815-544-7790 Phone
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SITE ELECTRICAL DETAILS
Date: 06-09-2023
Revision:

2022-001



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			COLLAR(S)					MUA CFM	AC CFM			
1	GRIDDLE HOOD	XGPE-64-S	64	TOP 23 BOT 8	FRT 12 BACK 36	430 SS WHERE EXPOSED	MEDIUM	1500	12	12		1500	1.918			137	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.) L H	LOCATION	FIRE SYSTEM		CONTROLS		
1	GRIDDLE HOOD				GREASE GRABBER STAINLESS STEEL	4	16 20						

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 #K1100145 - FLUE BYPASS HOOD
 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	1.8	1,703	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 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762)
 Switch, NEMA-3R, Toggle,
 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
 Conduit Chase Qty 1

FIRE SYSTEM INFORMATION

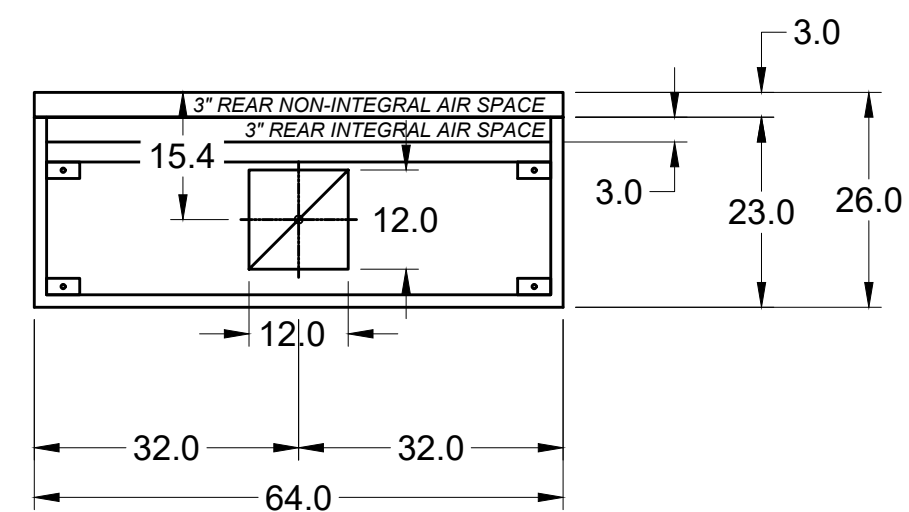
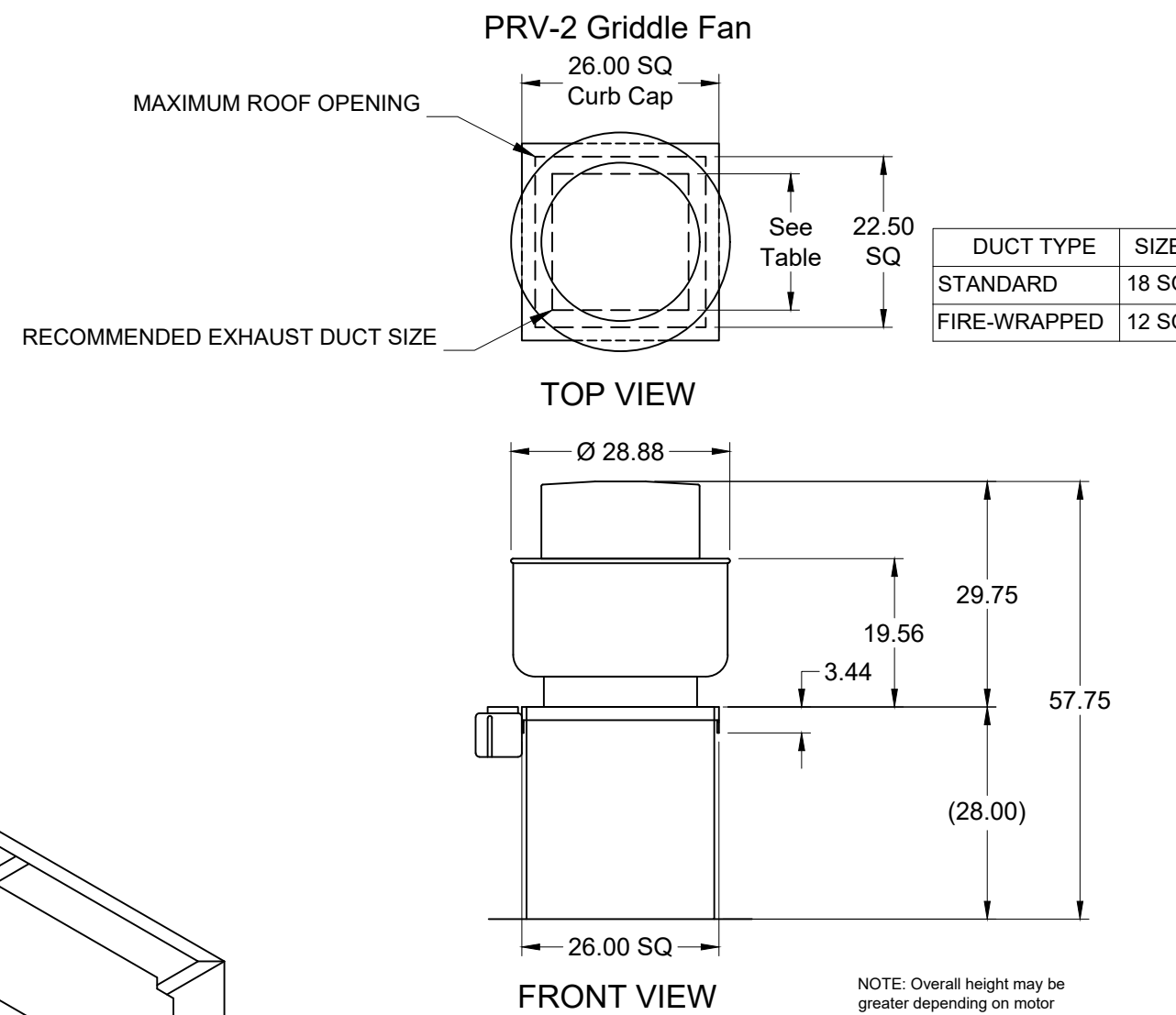
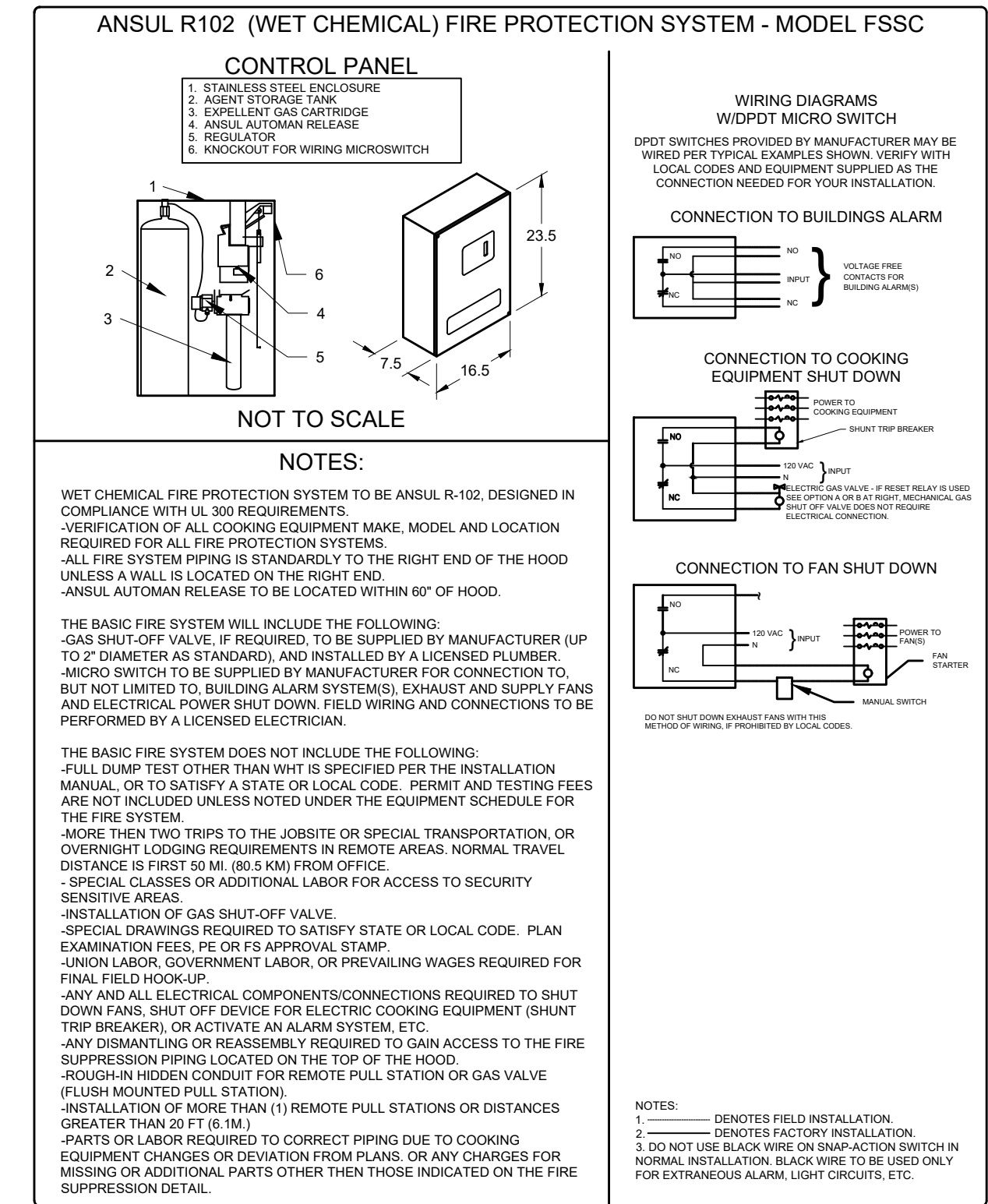
MARK	MODEL	LOCATION	FLOW POINTS		SUPPLY LINE	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM
			HOODS	PCU			
FIRE SUPPRESSION-GRIDDLE HOOD	ANSUL R-102 WET CHEMICAL	REMOTE MOUNTED	6 UTILIZED 11 AVAILABLE		CONTINUOUS	FUSIBLE LINK	GRIDDLE HOOD SECTION 1

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

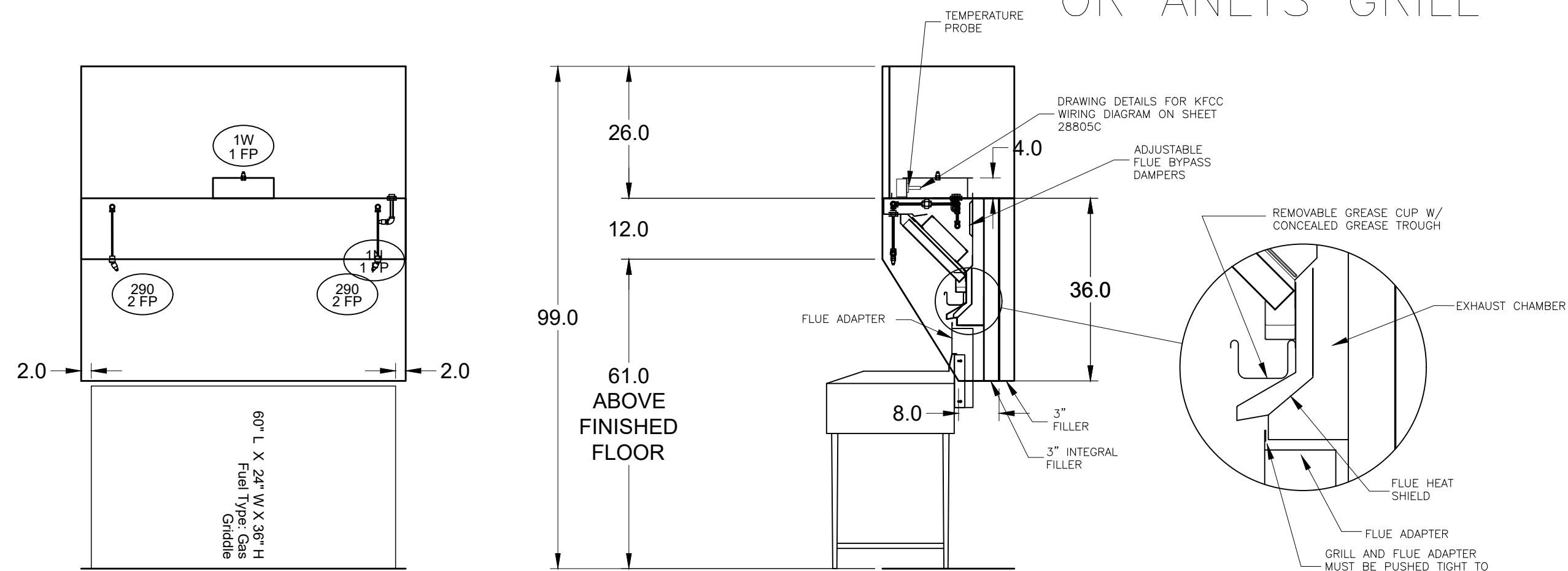
SPECIAL DESIGN REQUESTS

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



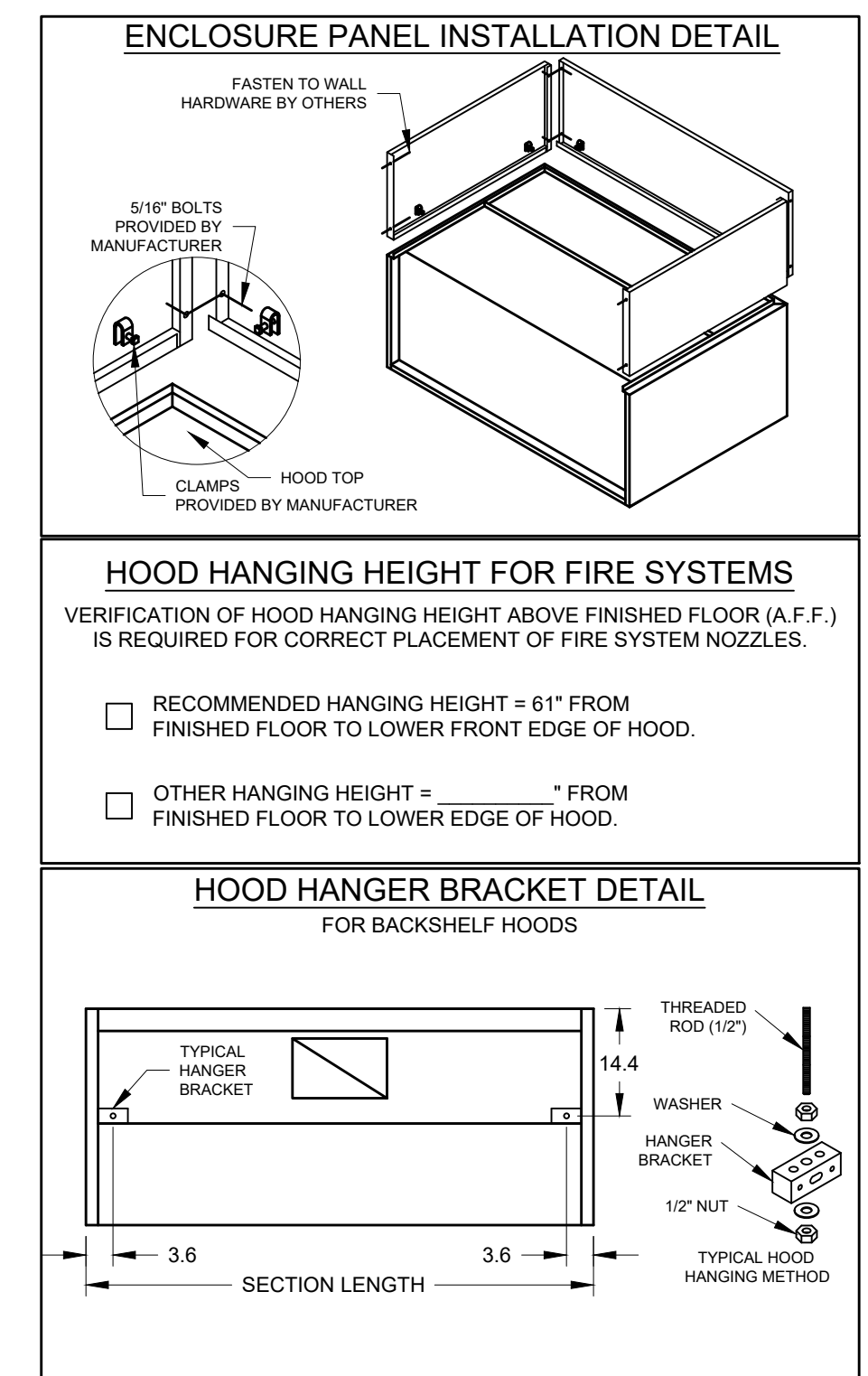
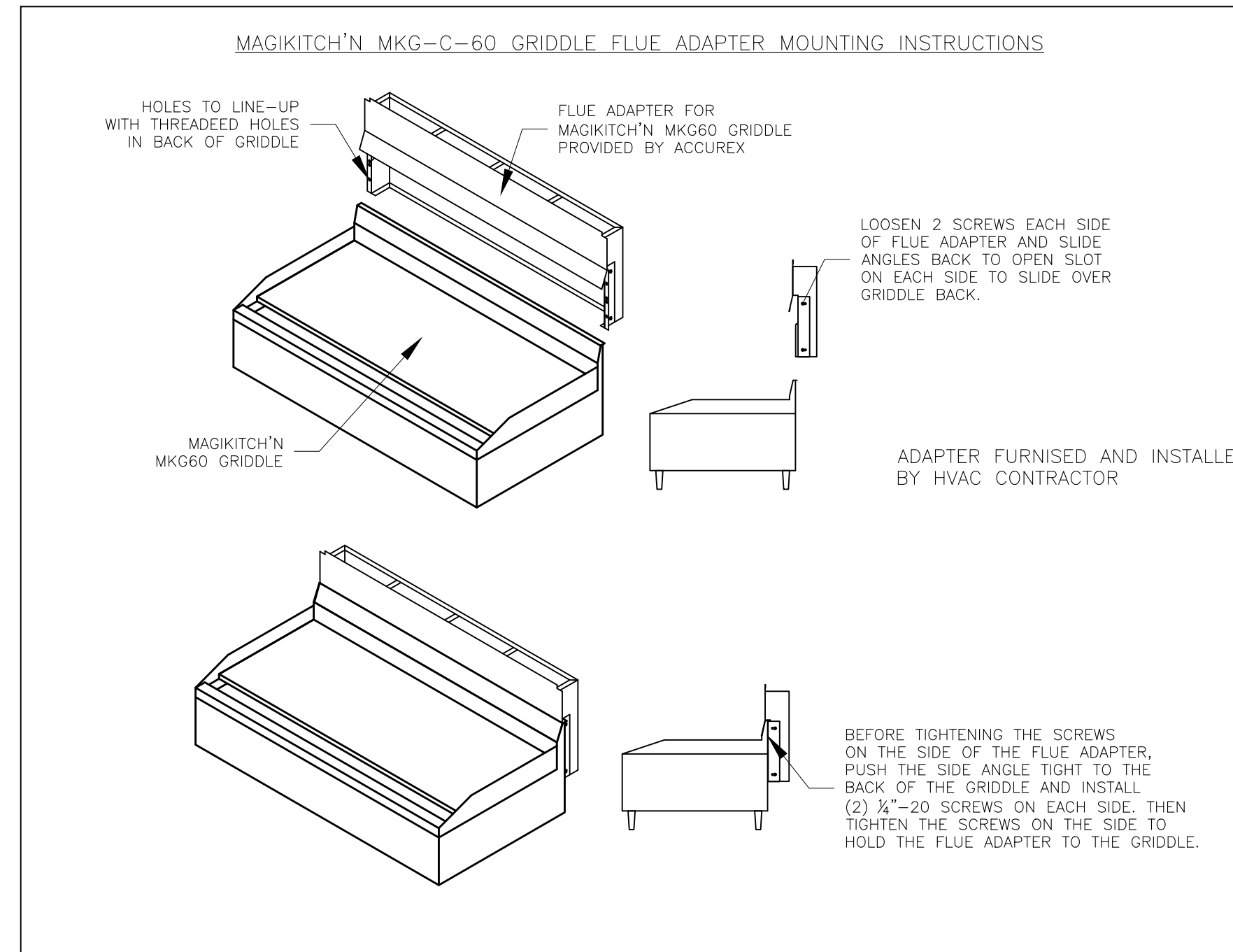
MARK: Griddle Hood - SECTION 1
 PLAN VIEW

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



SECTION 1
 ELEVATION VIEW

MARK: Griddle Hood
 SECTION VIEW



PROJECT 12/4/2019
 MARK
 ACCUREX - W.I.A
 PHILLIP KRAFT
 PHILLIP.KRAFT@ACCUREX.COM
 262-227-7865

CULVERS - ESTERO, FL (NC)
 GRIDDLE HOOD
 PRV-2 GRIDDLE FAN
 FIRE SUPPRESSION-GRIDDLE HOOD

ACCUREX

HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST					SUPPLY		TOTAL WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT			COLLAR(S)					MUA CFM	AC CFM		
								TOTAL CFM	WIDTH	LENGTH	DIA.	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	SINGLE

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	
									TYPE	SIZE	MODEL	INTERFACE
1	FRYER HOOD				X-TRACTOR (SPARK ARRESTOR INCL.) STAINLESS STEEL	5 0	16 20	16				

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 #K1100559 - NEW PITCO 4L FRYER FLUE BYPASS SYSTEM SDR #K1700974 - CULVERS 4VAT 2FIRE PROCESS - FRYER HOOD

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)	VIC/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	PRV-3 Fryer Fan	XCUE-140-VG	1,500	1	1,349	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 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762)
 Switch, NEMA-3R, Toggle,
 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
 Conduit Chase Qty 1

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

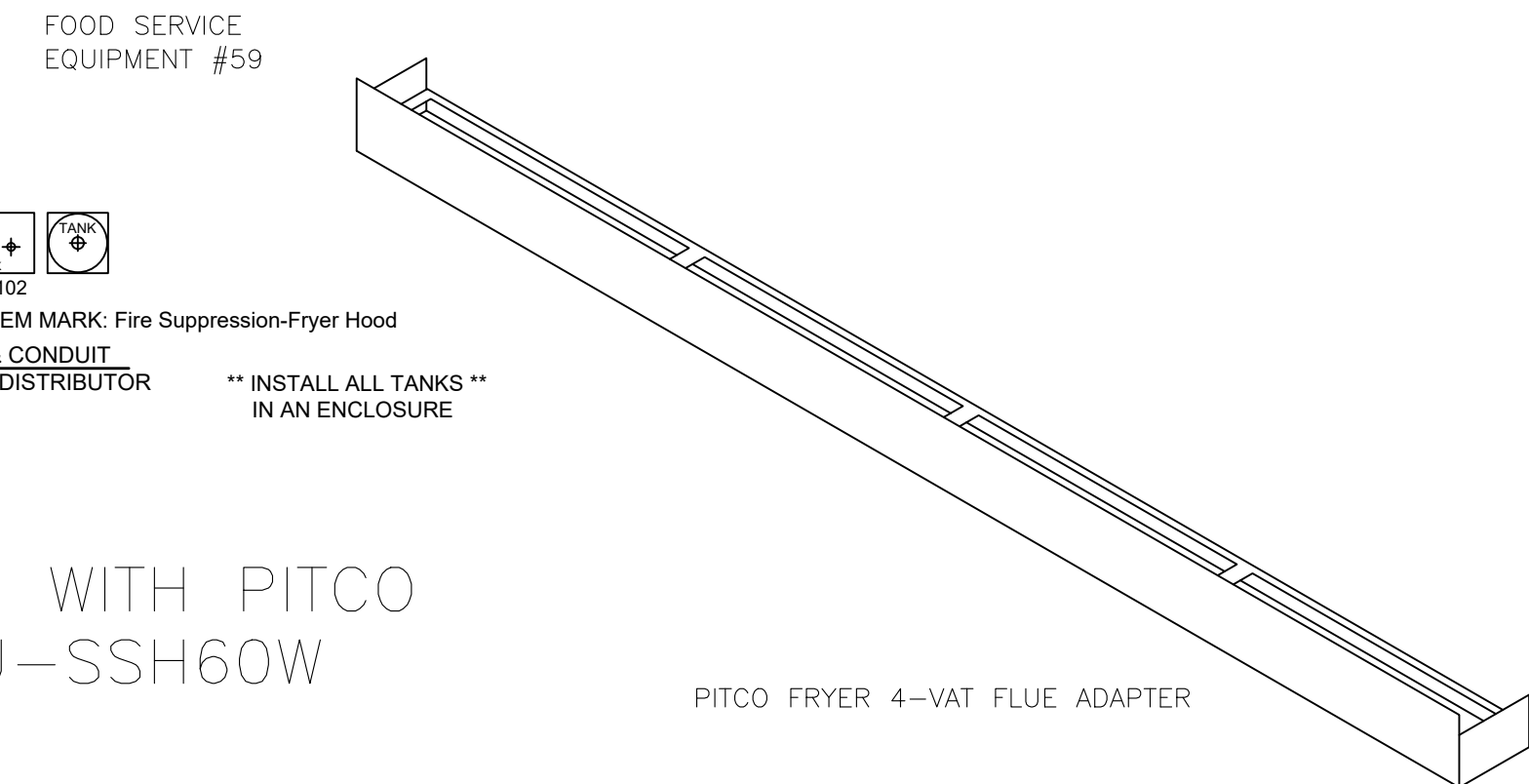
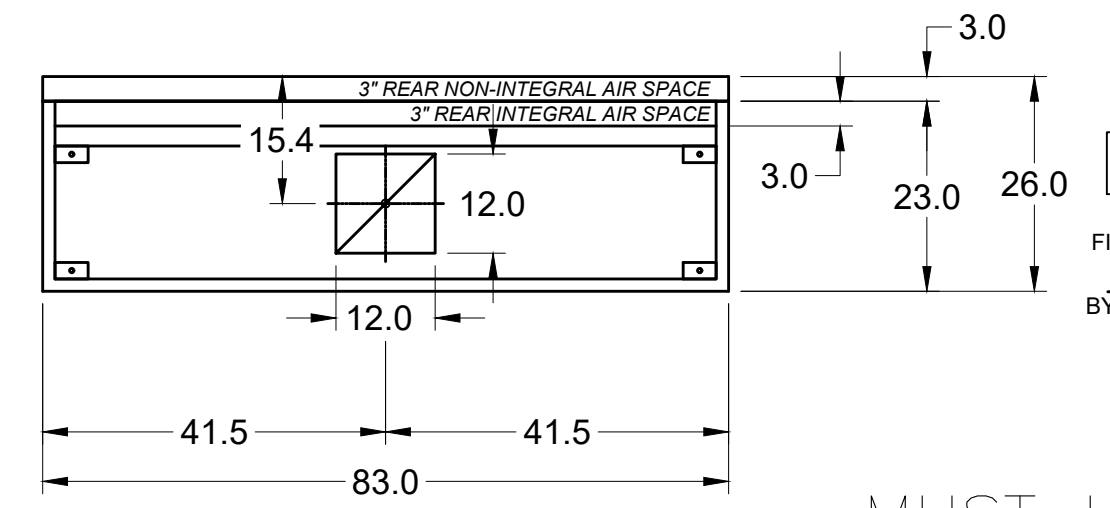
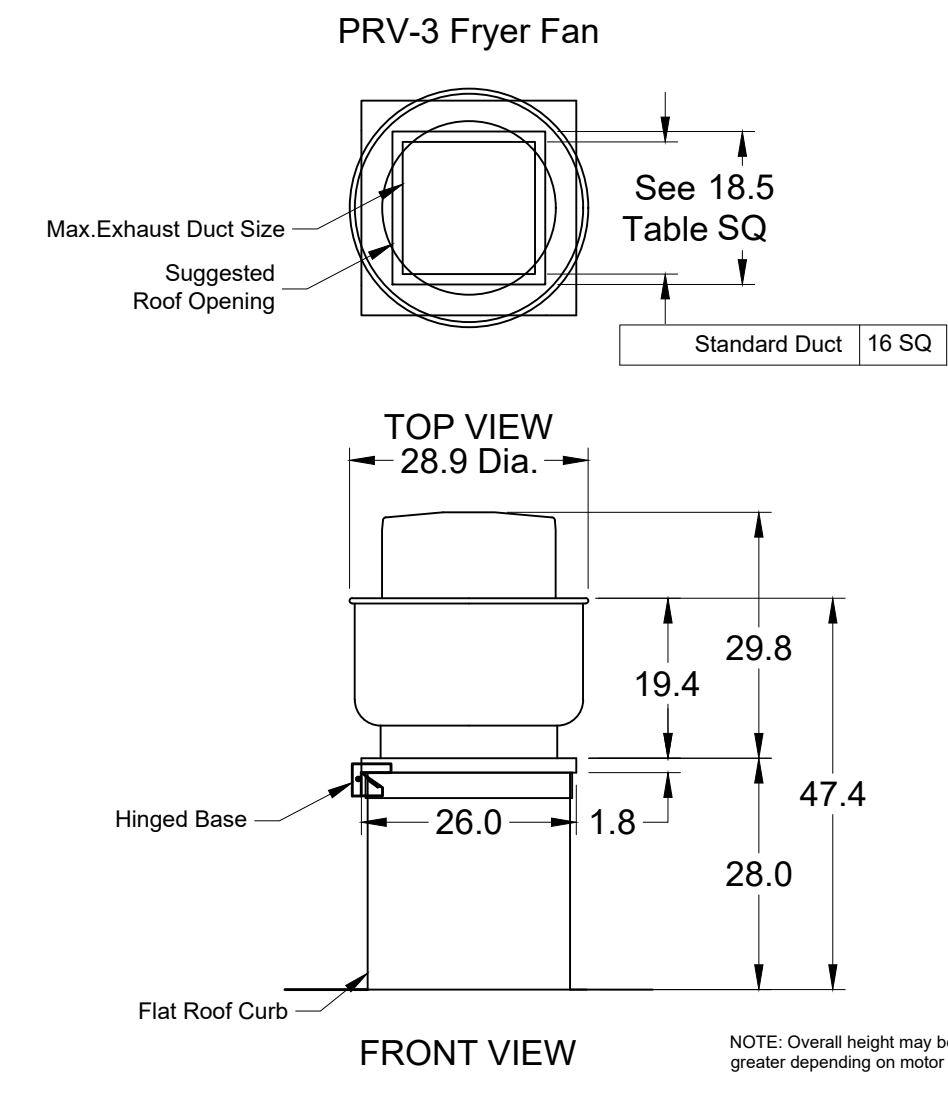
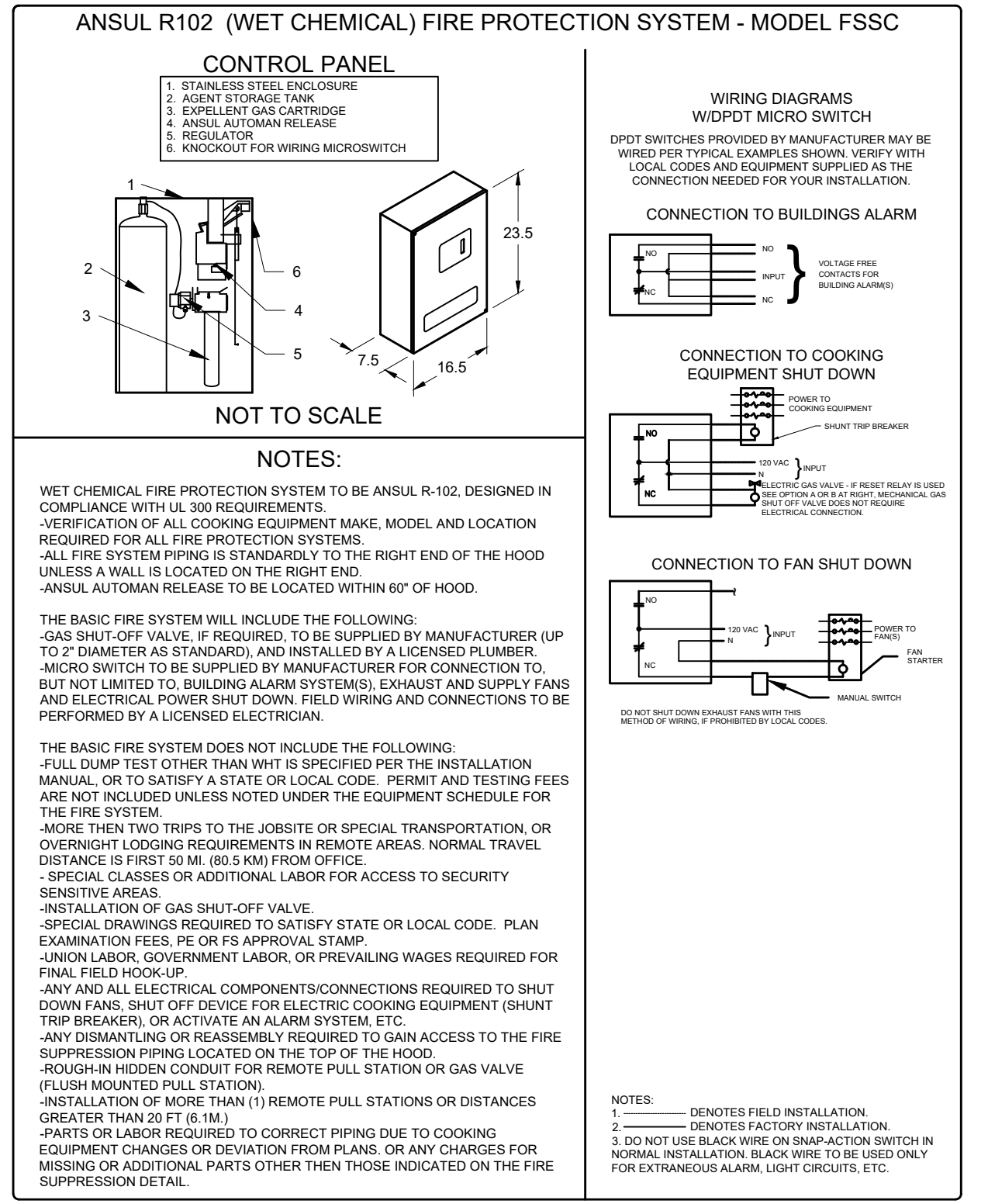
FIRE SYSTEM INFORMATION

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

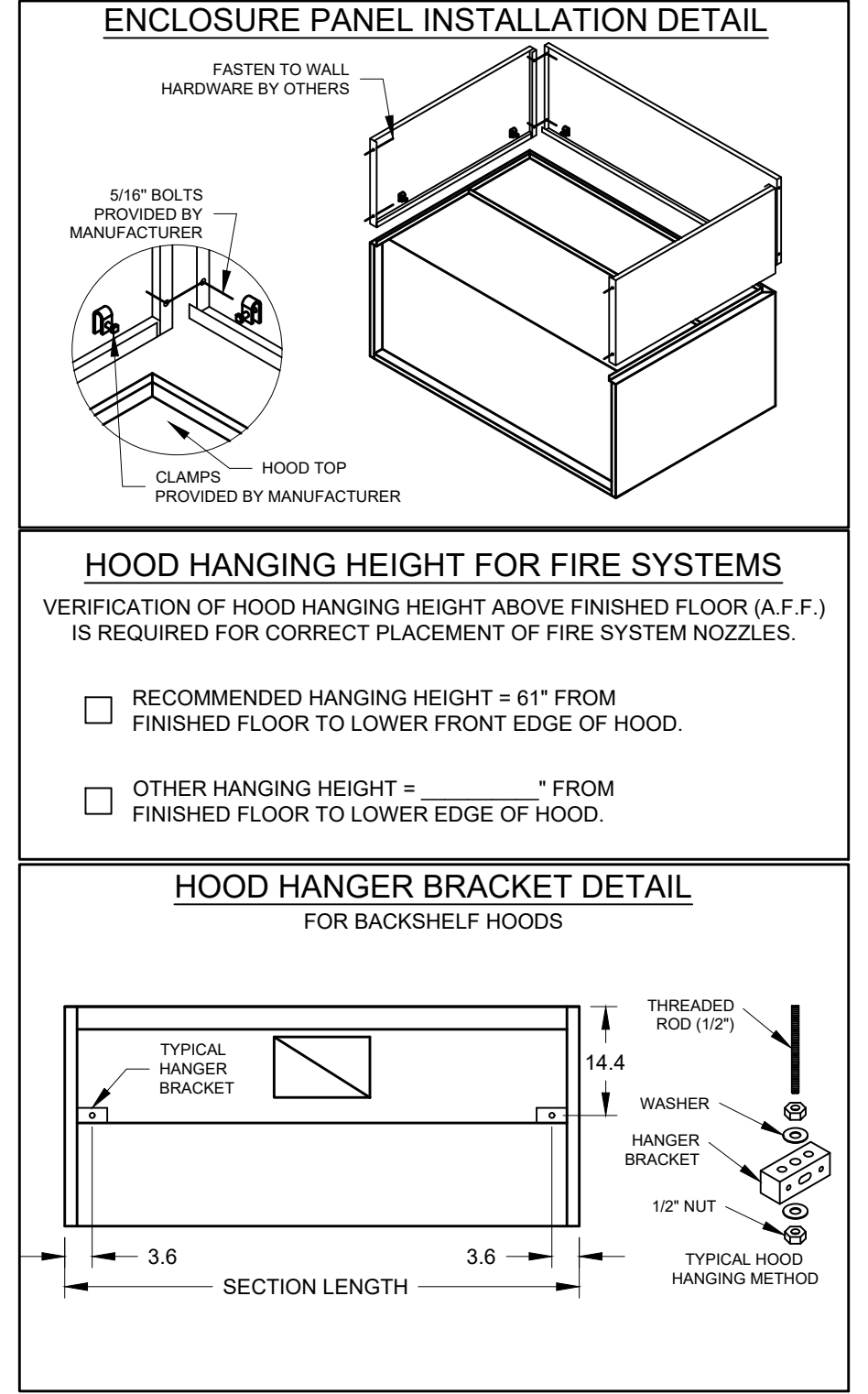
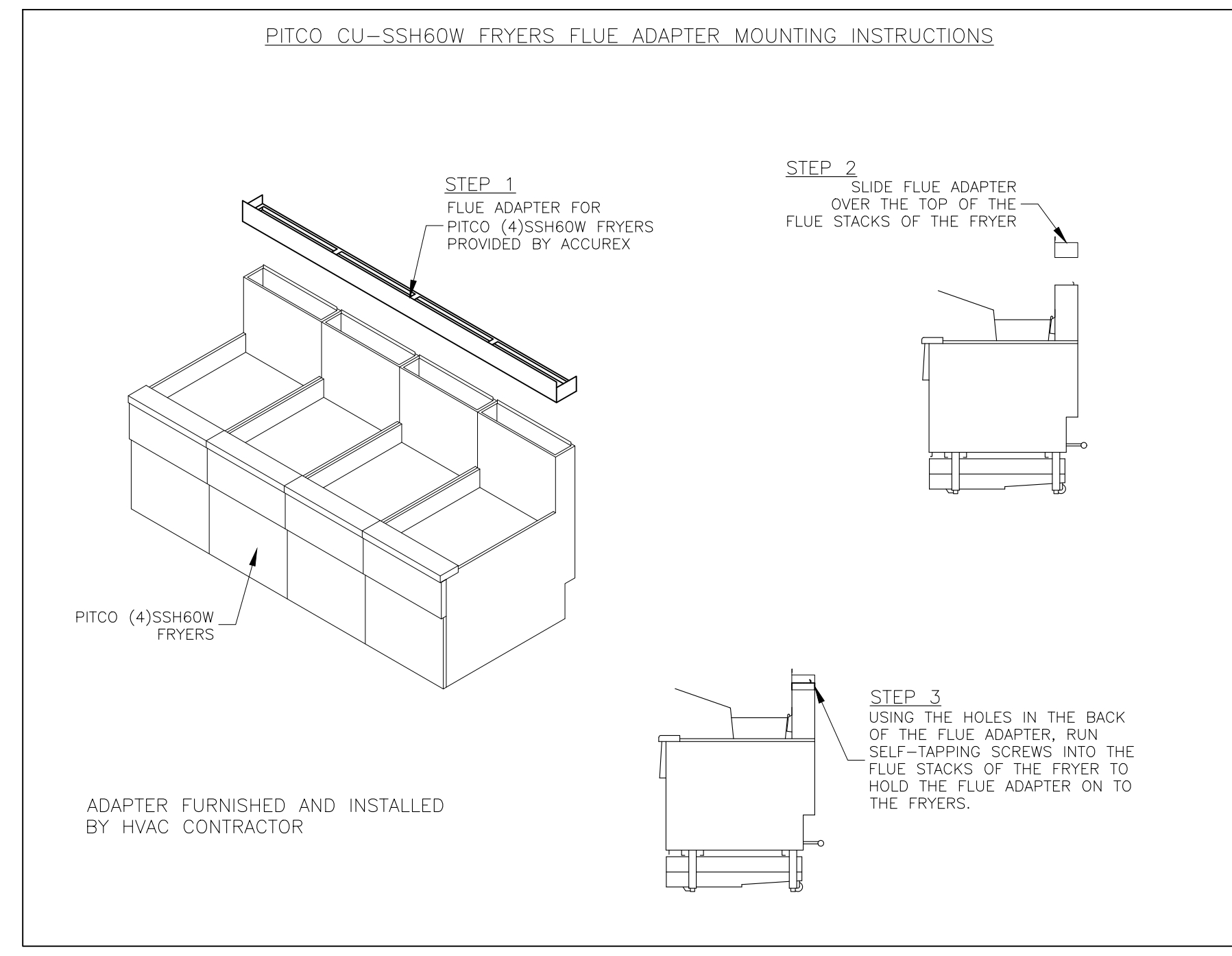
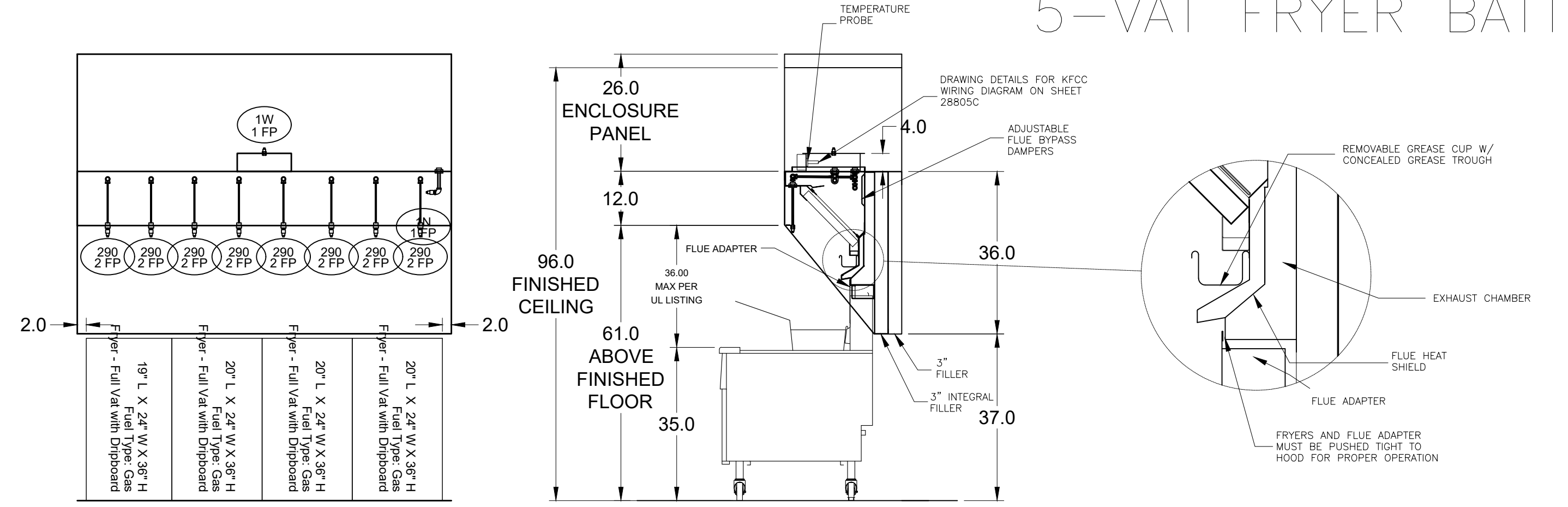
SPECIAL DESIGN REQUESTS

SDR #K1700974 - CULVERS 4VAT 2FIRE PROCESS - FRYER HOOD
 SDR #K1800795 - FIRE SYSTEM DEDUCT



MUST USE WITH PITCO MODEL CU-SSH60W

VERIFY 4-VAT OR 5-VAT FRYER BATTERY



CONTROL INFORMATION

MARK	ELECTRICAL CONTROL PACKAGE				USER INTERFACE			
	MODEL	LOCATION	TYPE	LOCATION	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	1497	1	115	60	1	NO	NO
4	EXHAUST	E2	PRV-3 FRYER FAN	1	1500	1	115	60	1	NO	NO

CONTROL FEATURES: TEMP SENSORS (FACTORY INSTALLED) - QTY. 2
 DRY FIRE CONTACTS - QTY. 2
 EXHAUST MAX DURING FIRE
 SUPPLY OFF DURING FIRE

SPECIAL DESIGN REQUESTS: SDR #K2000462 - CULVERS CONTROL PANEL - EXTRA SET OF FIRE CONTACTS - REVISE WIRING DIAGRAMS

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	1,449	0.06	40	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

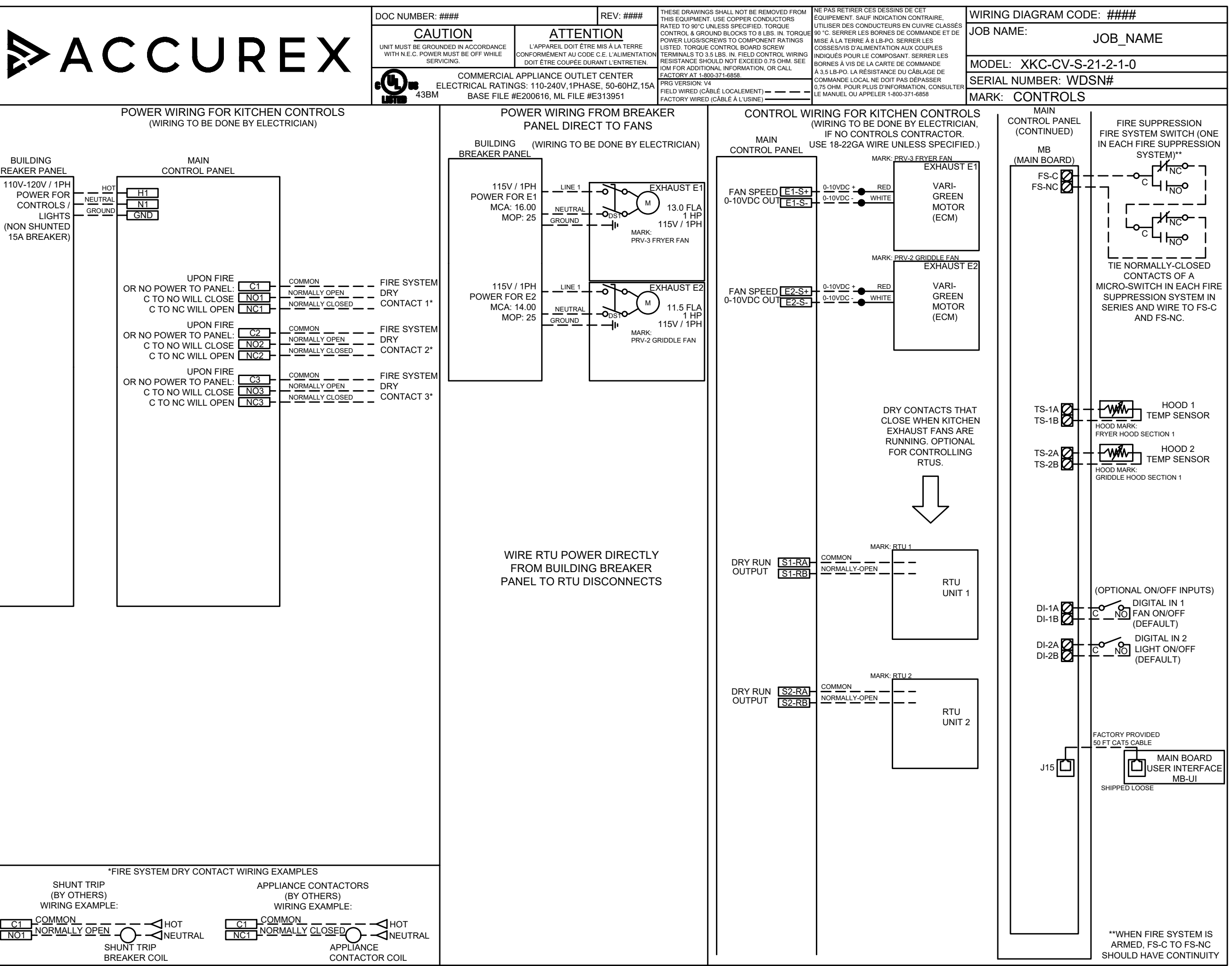
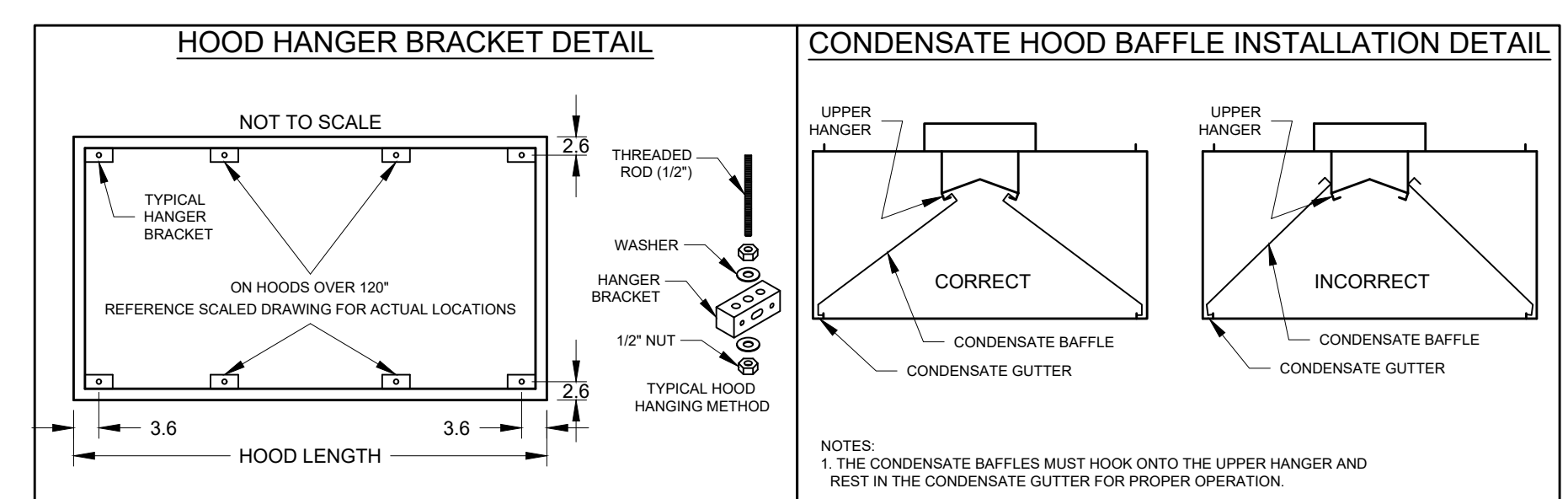
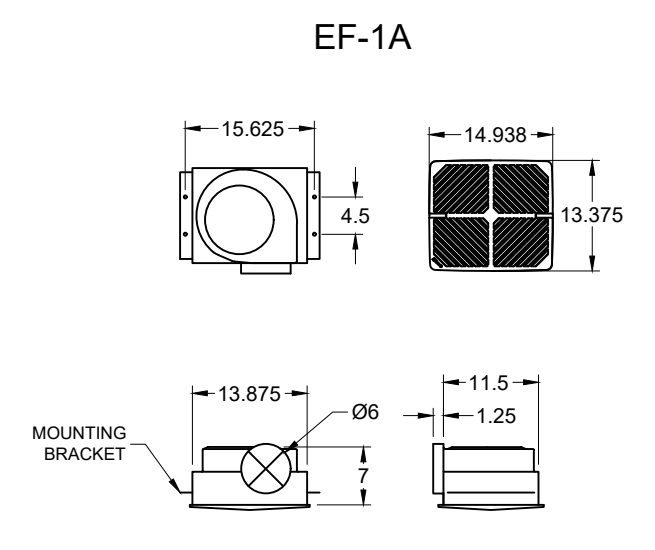
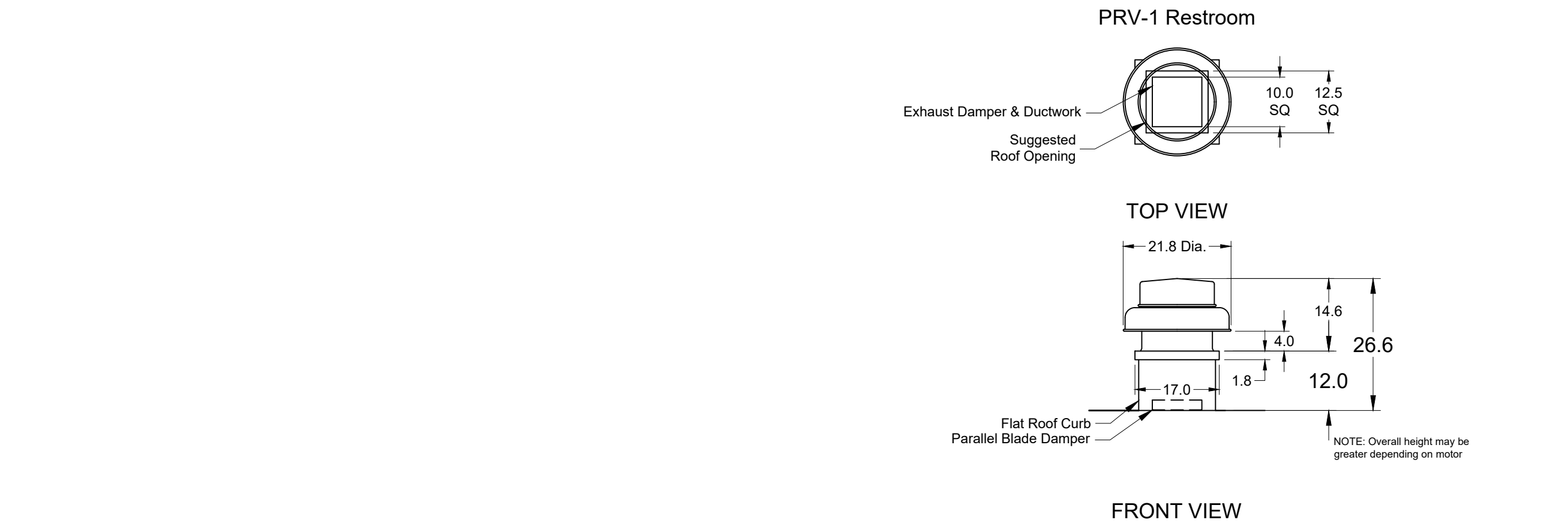
Standard Curb Cap Size - 17 Square
 UL/cUL 705 Listed - "Power Ventilators"
 Switch, NEMA-1, Toggle,
 Hinge, Factory Installed
 Damper Shipped Loose, BD-100-PB-10X10, Gravity Operated, Not Coated, Nominal Size
 Birdscreen: Galvanized, nom. 84% Free Area
 Composite Wheel Material
 Conduit Chase Qty 1

Ceiling 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		
1	EF-1A	XCR-B80	75	0.125	877	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



ACCUREX

PROJECT: 12/4/2019
 MARK: ACCUREX - W1 IA
 PHILLIP KRAFT
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 262-227-7865

CULVERS - ESTERO, FL (NC)
 ITEM 25 CONDENSATE HOOD
 PRV-1 RESTROOM
 EF-1A
 CONTROLS

UL LISTED
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 W1 IA
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