



4" DRYER EXHAUST TO HOODED WALL CAP w/ BACKDRAFT DAMPER. PAINT WALL CAP TO MATCH EXTERIOR.

TRANSFER GRILLES-CENTER ABOVE DOOR, AND BETWEEN DOOR AND CEILING.

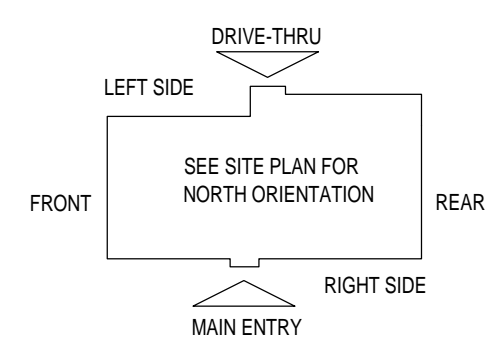
STACK THERMOSTATS VERTICAL COORDINATE LOCATION W/ P.O.S. SYSTEM COMPONENTS.

CONTRACTOR TO CONFIRM THERMOSTAT MOUNTING LOCATION WITH OWNER.

RTU-1 REMOTE SENSORS AT 56" AFF. MECH CONTRACTOR TO PROVIDE ALL NECESSARY RACEWAY AND WIRING.

RTU-2 REMOTE SENSORS AT 56" AFF. MECH CONTRACTOR TO PROVIDE ALL NECESSARY RACEWAY AND WIRING.

KEEP AREA CLEAR FOR ACCESS ABOVE CEILING TO SPACE OVER WALKS



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

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 DEGF. COOLING 72 DEGF.
 2. KITCHEN: HEATING 68 DEGF. COOLING 74 DEGF.

SUPPLY DUCTWORK SIZING TABLE*				
SIZE	ROUND		RECTANGULAR	
	CFM RANGE	SIZE	CFM RANGE	SIZE
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	
*CONTRACTOR MAY SUBSTITUTE RECTANGULAR FOR ROUND DUCTWORK ON MAIN RUNS AT THEIR DISCRETION. BRANCHES TO DIFFUSERS TO REMAIN ROUND.				
		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	

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	RAYMON PRO2	2.4
SD-2 - NOT USED									
SD-3	SUPPLY	LOUVERED	STEEL	3-WAY	12X12	SEE PLAN	SURFACE	RAYMON PRO2/QMF/DAG	2.4
SD-4	SUPPLY	LOUVERED	STEEL	4-WAY	12X12	SEE PLAN	SURFACE	RAYMON PRO2/QMF	2.4
SD-5	SUPPLY	PERFORATED	STEEL	PERFORATED	24X24	SEE PLAN	LAY-IN	RAYMON RPR	2.4
RG-1	RETURN	SQUARE EGGRATE	ALUMINUM	N/A	24X24	22x22	LAY-IN	RAYMON FGEC-TB1	2.3, 4
EG-1	EXHAUST	LOUVERED GRILLE	ALUMINUM	N/A	12X12	SEE PLAN	SURFACE	RAYMON RA-RH/D	1, 2, 4
TG-1	TRANSFER	LOUVERED GRILLE	ALUMINUM	N/A	SEE PLAN	SEE PLAN	SURFACE	RAYMON RA-RH	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.
- SS 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.

NATIONAL ACCOUNT PROGRAM

- LENNOX INDUSTRIES, INC.** - ROOFTOP HVAC EQUIPMENT
SALES: LennoxNationalAccounts@Lennox.com copy to Dave.Ebner@Lennox.com
NATIONAL ACCOUNTS SALES & TECH SUPPORT: (800) 367-6285 Option #2 Lennox.com
- ACCUREX/GREENHECK FAN CORPORATION** - KITCHEN HOODS, EXHAUST FANS, ROOF CURBS, ANSUL SYSTEMS, ACCESSORIES AND TEST AND BALANCE
CONTACT PHILIP KRAFT: 1-262-227-7865 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
- RAYMON AIR DISTRIBUTION EQUIPMENT** - DIFFUSERS AND GRILLES
NATIONAL ACCOUNTS SALES: HUNZICKER LLC, MARIE WILSON - (608) 845-9551 marie@hunzickerllc.com

2025-066 CULVER'S OF TILTON, IL TILTON, IL

RTU SCHEDULES

UNIT No	AREA SERVED	SUPPLY FAN				COOLING						HEATING				ELECTRICAL (1)		ACCEPTABLE MANUFACTURERS			
		SUPPLY FAN TYPE	SA FAN VFD	SUPPLY CFM	MIN OA CFM	ESP	°FDB	°FWB	°FDB	°FWB	COIL LAT °FDB	COIL LAT °FWB	SENSIBLE MBH	LATENT MBH	GAS OR ELEC	OUTPUT MBH	OAT °FDB		HEATING STAGES	VOLTAGE	PHASE
RTU-1	DINING ROOM	VAV	YES	6,150	1,750	0.75"	89	77	78.98	67.64	55.00	54.85	159	83	GAS	225	-16	2	208	3	LENNOX, CAPTIVEAIRE
RTU-2	KITCHEN	VAV	YES	6,150	1,700	0.75"	89	77	79.15	67.33	55.00	54.74	160	78	GAS	174	-16	2	208	3	LENNOX, CAPTIVEAIRE

ADDITIONAL FACTORY INSTALLED OPTIONS FOR BOTH UNITS:

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

ADDITIONAL FIELD INSTALLED OPTIONS FOR BOTH UNITS:

- 14" DOWNFLOW HYBRID CURB
- PVC DRAIN TRAP KIT
- REMOTE TEMPERATURE AND HUMIDITY SENSORS
- 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

ECH-1 ELECTRIC CEILING HEATER Q-MARK OR EQUAL CDF-548 ELECTRIC CEILING HEATER & CDF RECESSED MOUNTING FRAME, CDF-TR4 TRANSFORMER & WALL MOUNTED THERMOSTAT. 208/240 VOLT SINGLE PHASE = 19.2 AMPS (SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR.)

CONTROL NOTES

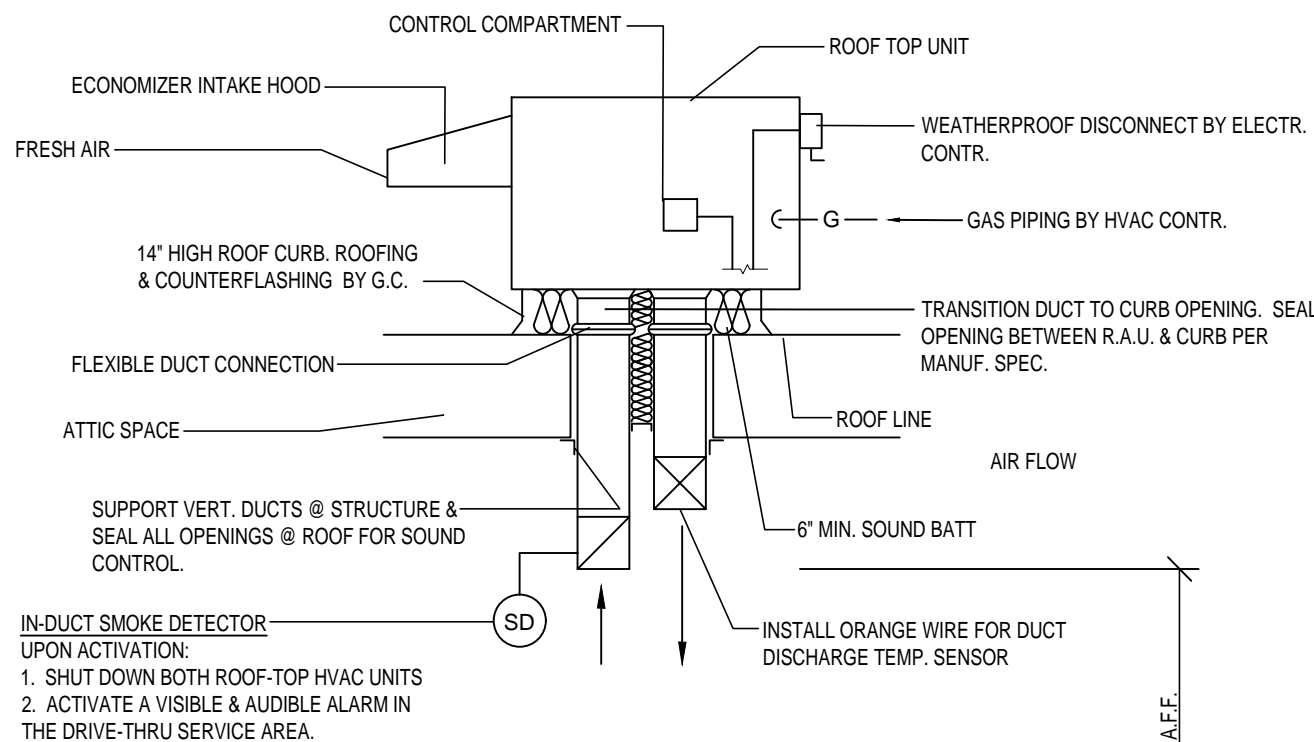
NOTE: KITCHEN HOODS SUPPLIED AND INSTALLED BY HVAC CONTRACTOR

- 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

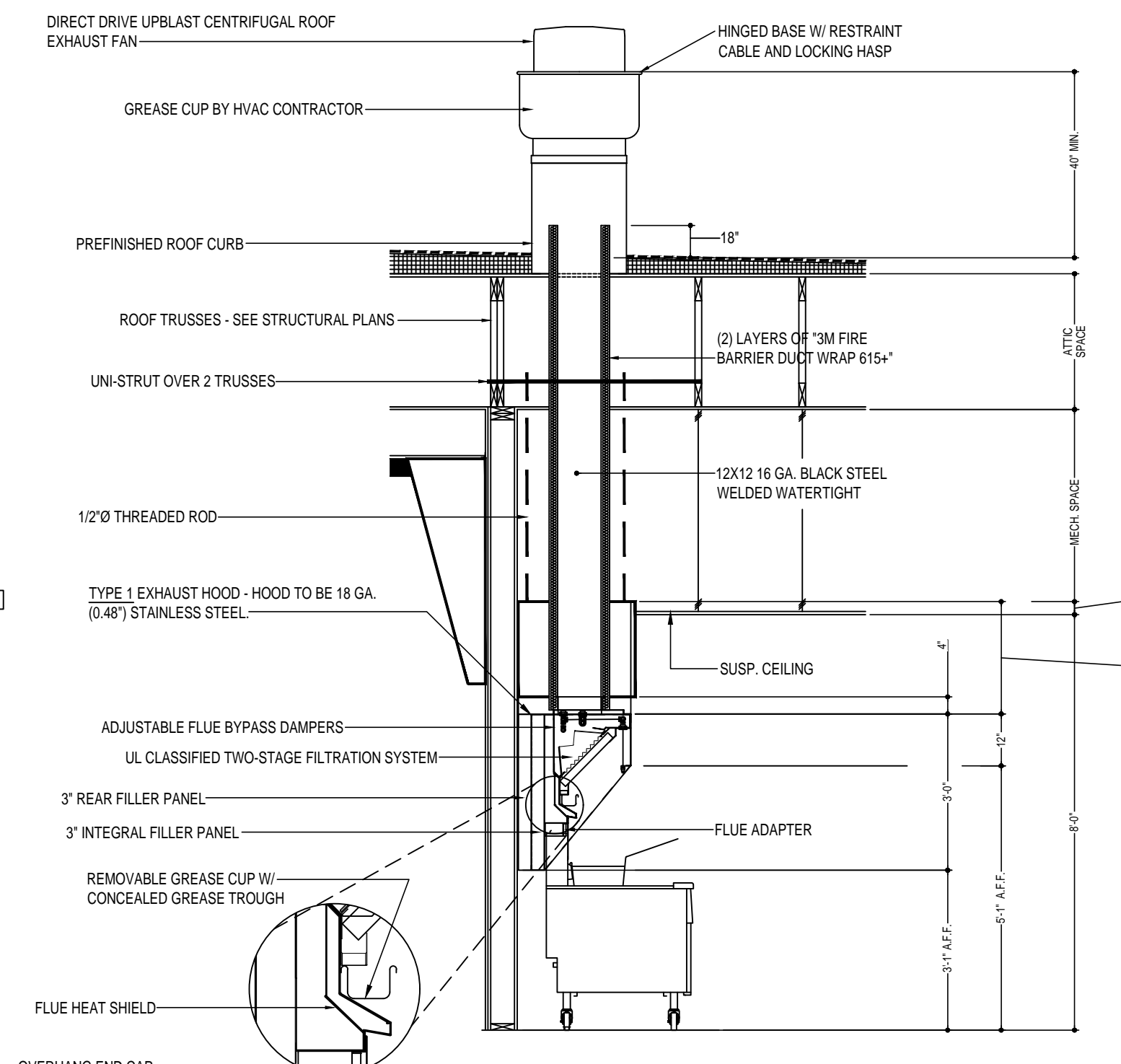
- ACCUREX WILL PROVIDE BALANCED AIRFLOW & FUNCTIONAL CHARACTERISTICS OF THE HVAC SYSTEM AS THEY RELATE TO AIRFLOW & AIR PRESSURE ONLY. SERVICES TO BE PERFORMED BY A CERTIFIED NEBB FIRM & ITS MANAGING GROUP NATIONAL TAB.
- SERVICES NOT INCLUDED: PULLEY / SHEAVE CHANGES, MOTOR CHANGE OUTS, OR RETURN TRIPS 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-1A	MOP ROOM	75		
TOTAL =		3,450		
VENTILATION REQUIRED PER 2024 INTERNATIONAL MECHANICAL CODE				
EQUIPMENT TAG	SERVICE	CFM		
RTU-1	DINING ROOM	1,350		
RTU-2	KITCHEN	220		
TOTAL =		1,570		
3,450 > 1,570 -> 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	6,150	4,400	1,750
RTU-2	KITCHEN	6,150	4,450	1,700
TOTAL OUTSIDE AIR CFM =				3,450



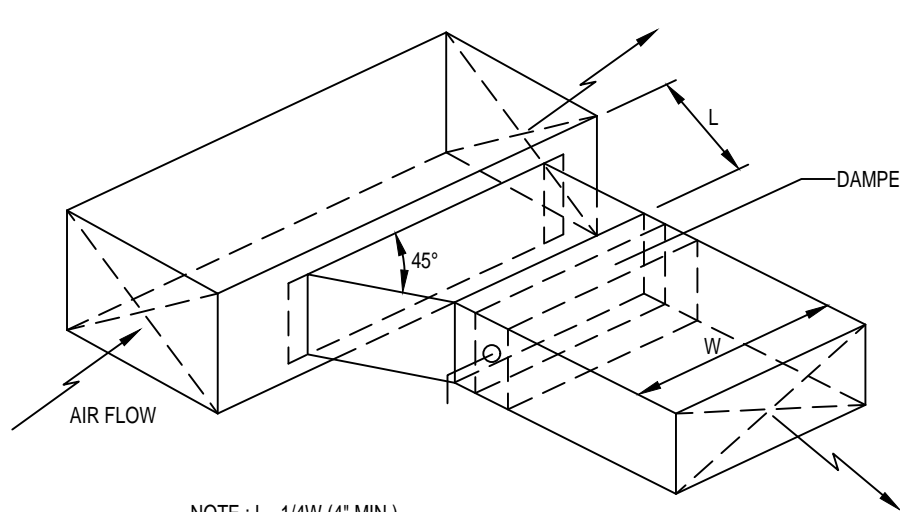
A6 ROOFTOP HVAC UNIT

SCALE: N.T.S.



C3 KITCHEN HOOD EXHAUST DETAIL

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



C6 BRANCH DUCT TAKEOFF DETAILS

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 PR68 IN THE CORE CONTROLLER AND CHANGED IN THE APP AS SHOWN IN THE MENU PATH BELOW. DEFAULT IS SET AT 3000 SECONDS.
 - 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

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 P297-8 ON THE M4 CONTROL BOARD
- FOR (KITCHEN UNIT ONLY) BOTH THE THERMOSTAT AND HOOD FANS MUST BE TIED INTO P297-8 ON THE M4 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/FAF TO OPERATE PROPERLY.

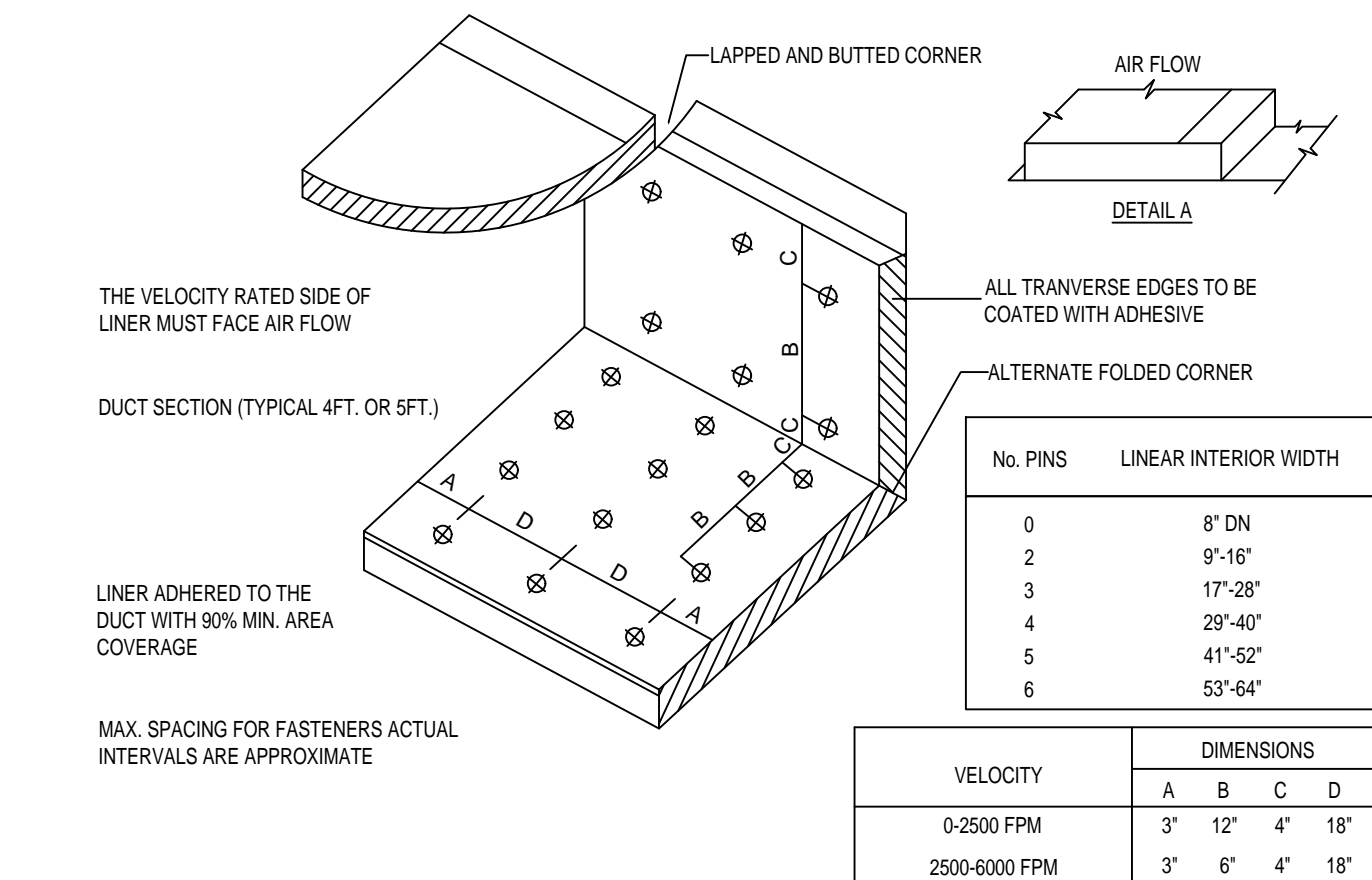
FOR HELP PLEASE CALL LENNOX NATIONAL ACCOUNT TECH SUPPORT AT 1-800-367-6285
CHECK FOR CORRECT OPERATION AND WIRING OF ALL SENSORS

COOKING APPLIANCE / TYPE 1 HOOD INTERLOCK

- REMOTE SWITCH ON - POWER TO KITCHEN FAN CONTROL CENTER (KFCC)
- KFCC 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 6'-10" A.F.F. DUCT LINER WILL NOT BE PERMITTED ON ANY HORIZ. RUNS.

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CULVERS OF TILTON, IL
1500 GEORGETOWN ROAD
Tilton, IL 61832
County of Vermilion

Culver's
Culver Franchising System, Inc.
1240 Water Street
Prairie du Sac, WI 53578
608-843-7880

OWNER:
MAHOMET EAST, LLC
2628 Mumfild
Urbana, IL 61801
Gary Saterlee
217-306-4686

OLLMANN ERNEST MARTIN ARCHITECTS
200 South State Street
Belvidere Illinois 61008
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HVAC SCHEDULE & DETAILS
Date: 6-23-2025
Revision:

2025-066

M201

HOOD INFORMATION

HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST					SUPPLY		TOTAL WEIGHT LBS.	SECTION LOCATION	
			LENGTH	WIDTH	HEIGHT			TOTAL CFM	COLLAR(S)		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	0.924			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.)	LOCATION	FIRE SYSTEM TYPE	SIZE	MODEL	CONTROLS INTERFACE
1	GRIDDLE HOOD					X-TRACTOR (SPARK ARRESTOR INCL.) STAINLESS STEEL	4	16					
							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 #K1100145 - FLUE BYPASS HOOD
 SDR #K1700974 - CULVERS 4VAT 2FIRE PROCESS - FRYER 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	1.801	1,725	0.83	92	1	115/60/1	OP	1725	1	16

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

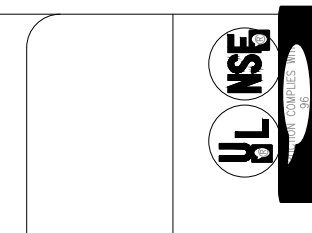
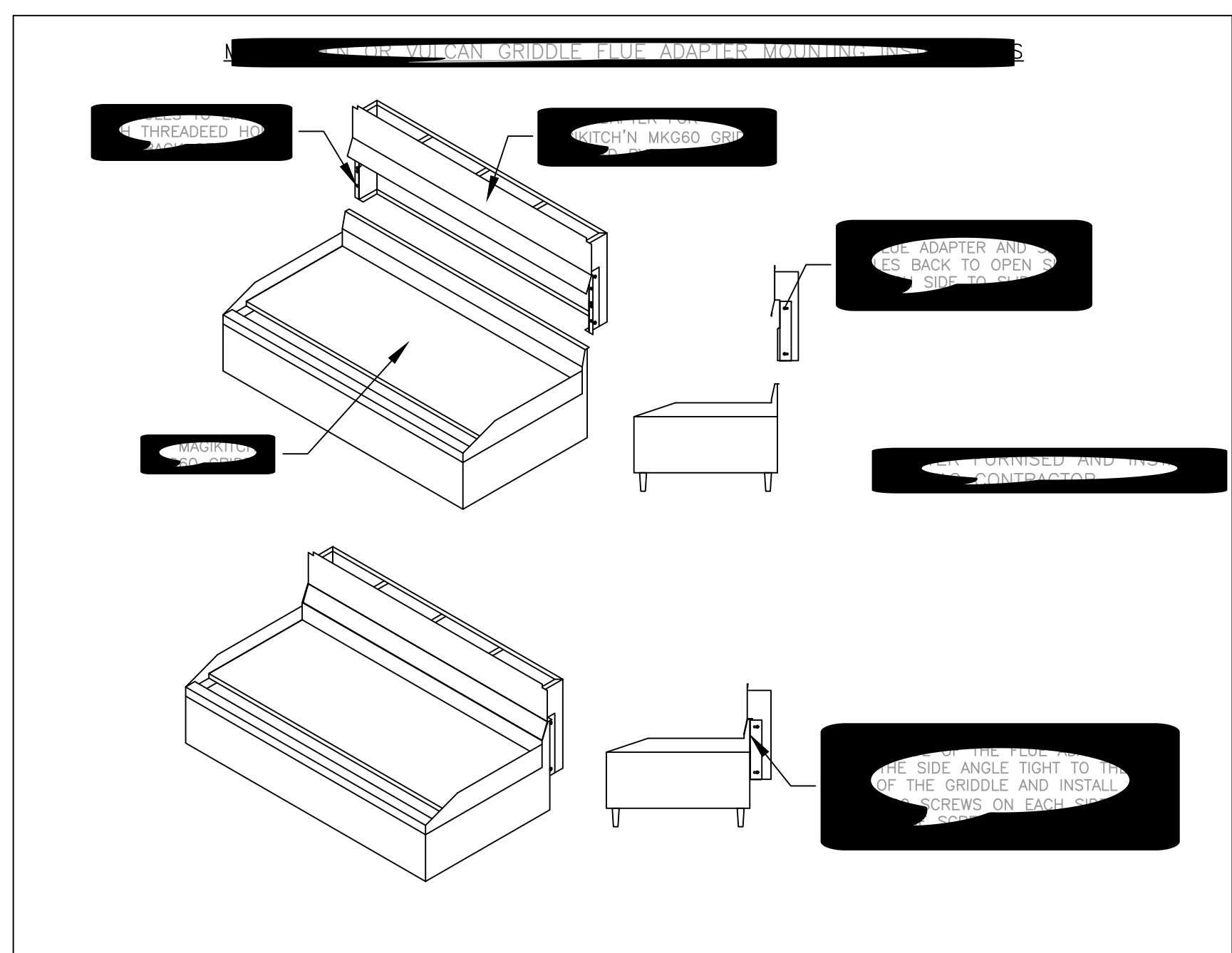
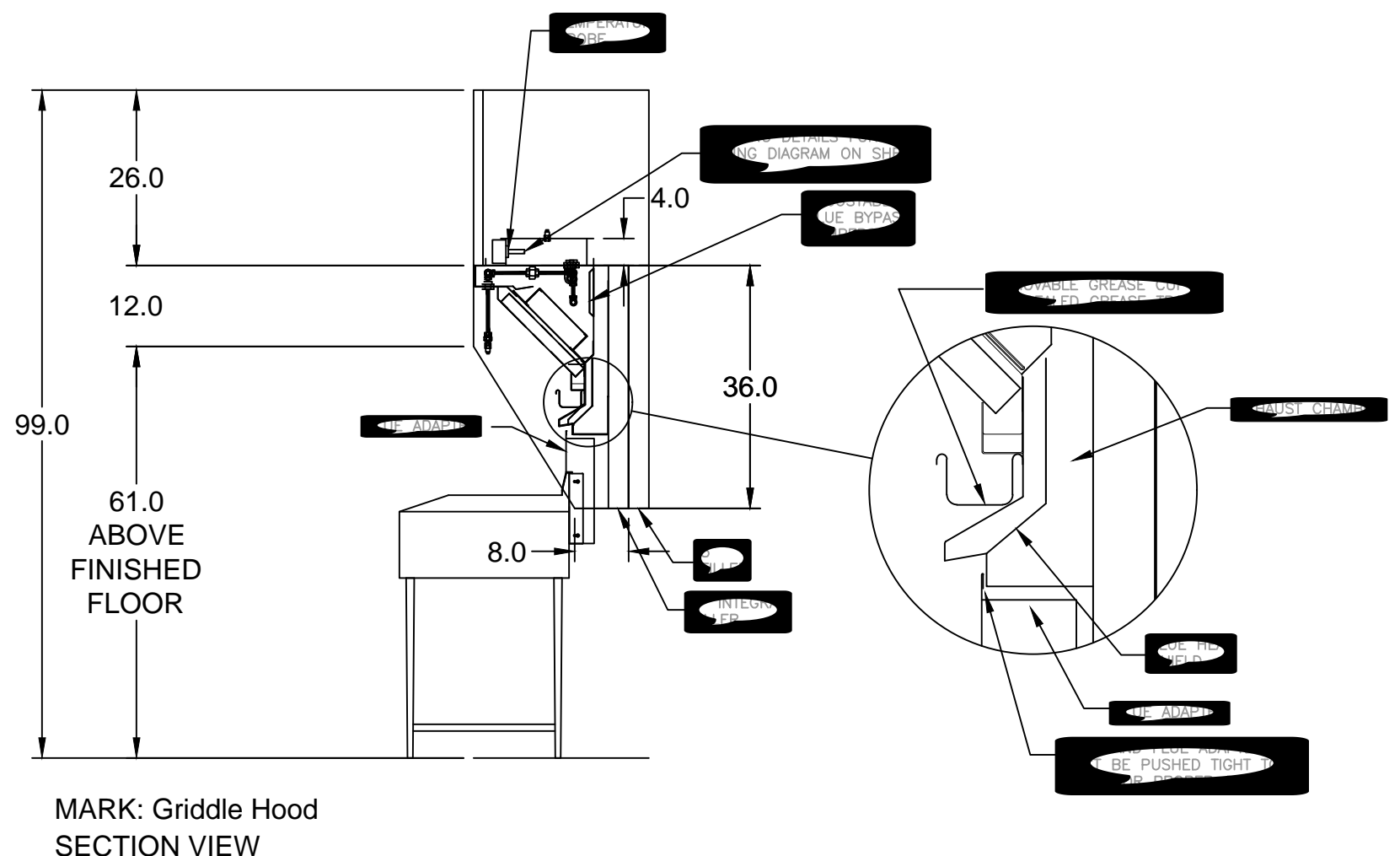
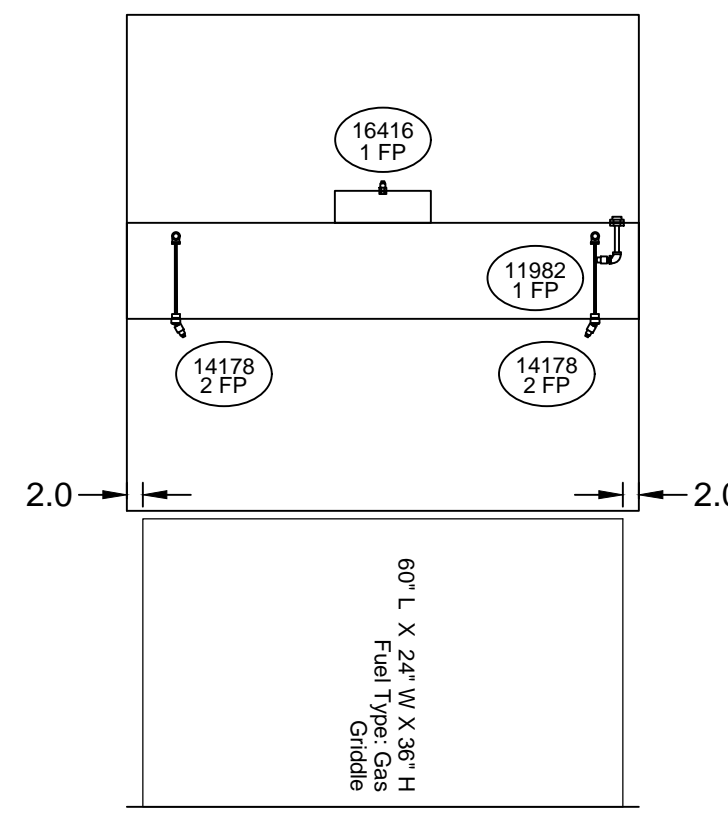
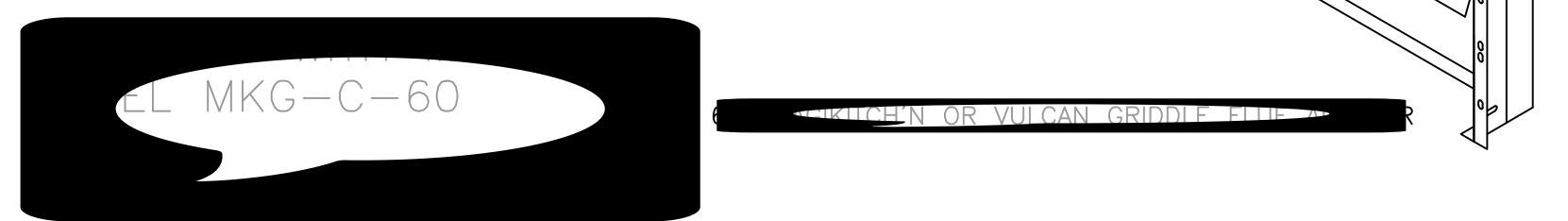
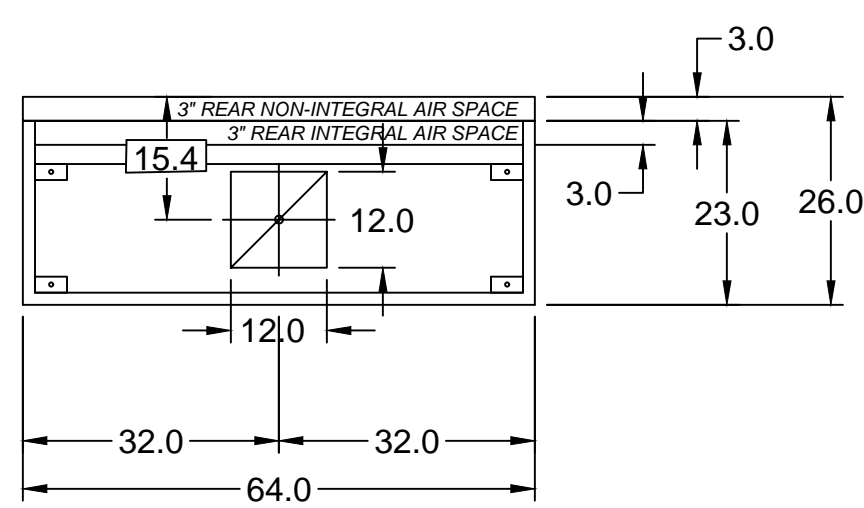
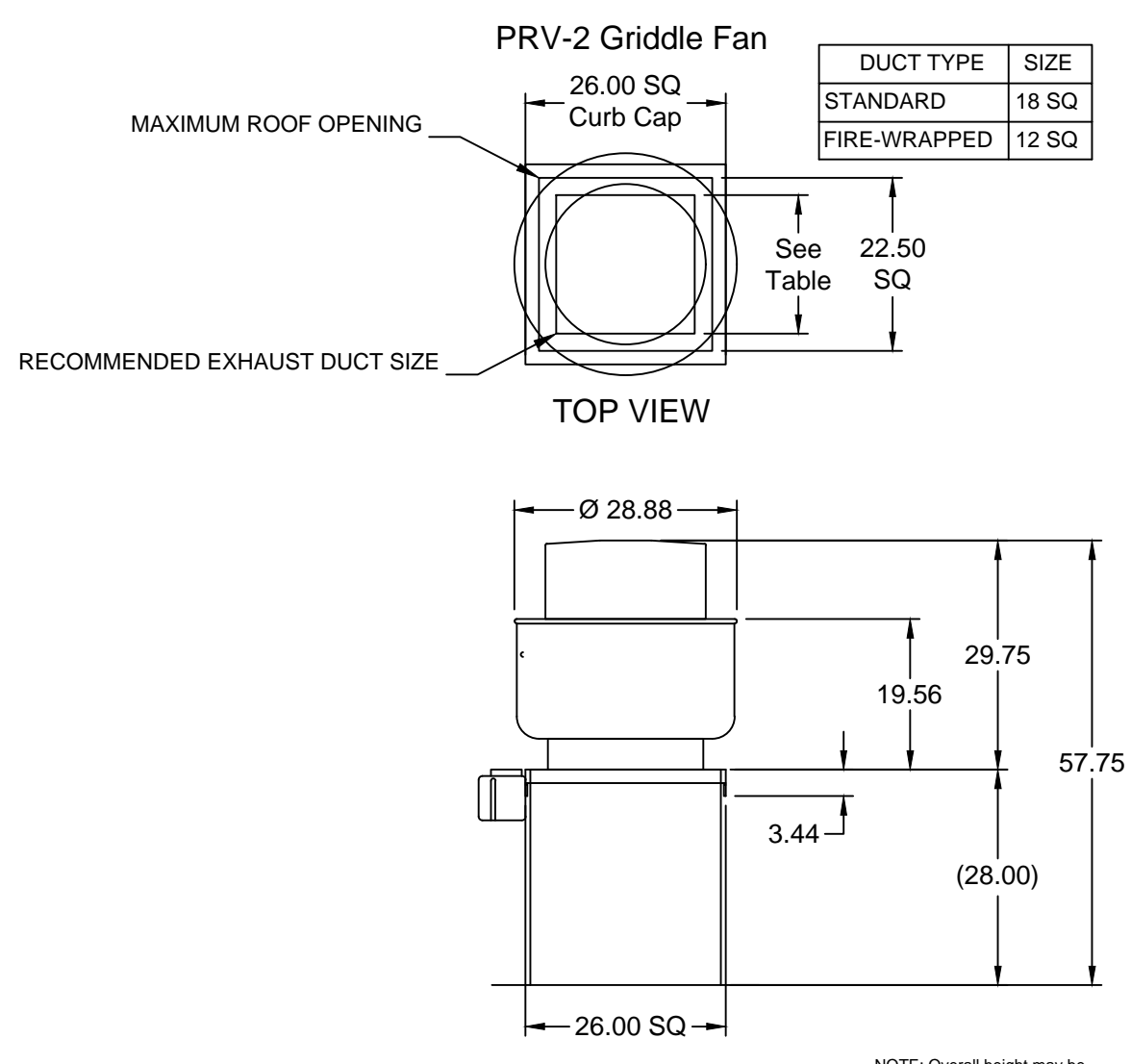
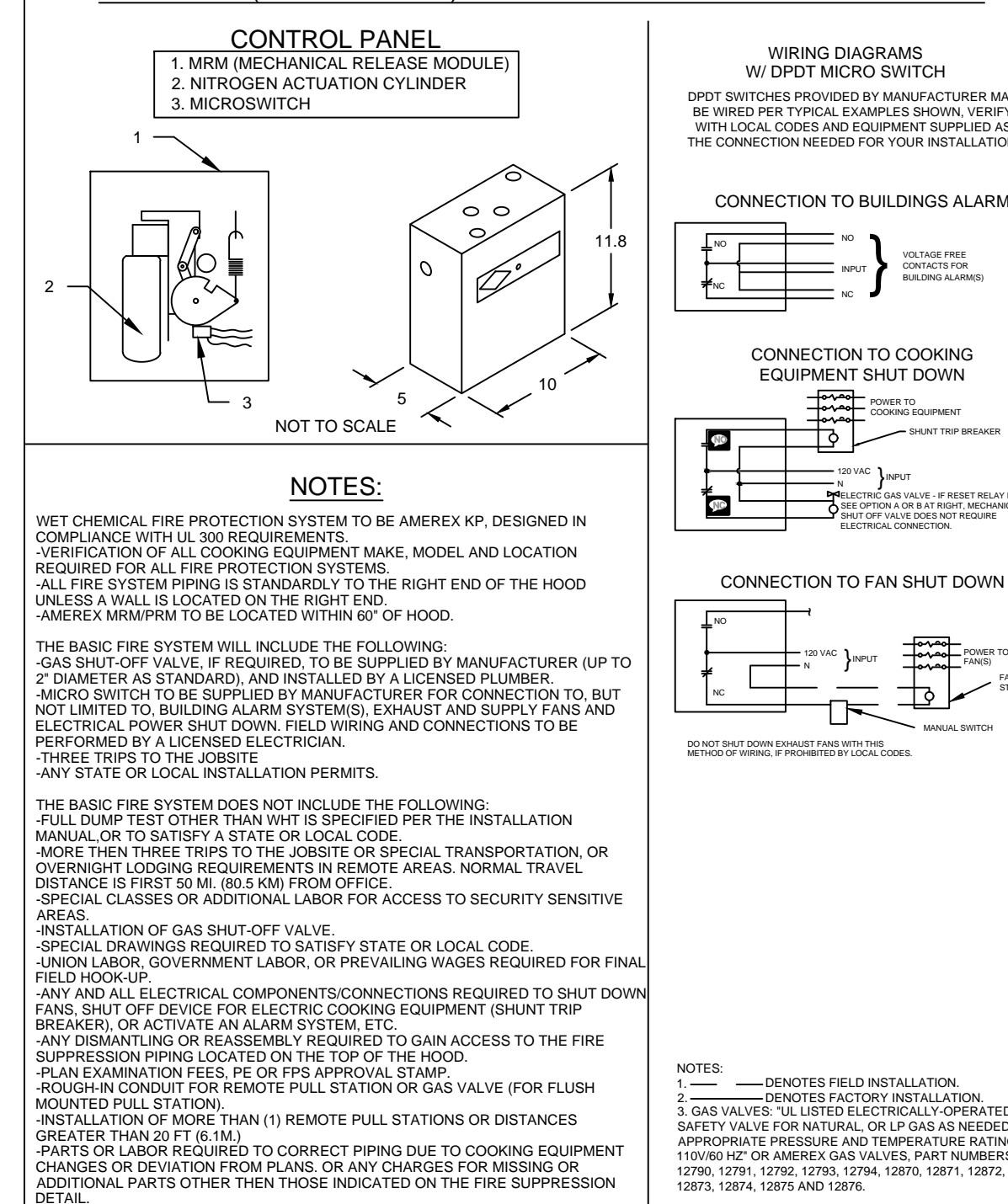
FIRE SYSTEM INFORMATION

MARK	MODEL	LOCATION	FLOW POINTS		SUPPLY LINE	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM
			HOODS	PCU			
FIRE SUPPRESSION	AMEREX KP WET CHEMICAL	REMOTE MOUNTED	16 UTILIZED	22 AVAILABLE	CONTINUOUS	FUSIBLE LINK	GRIDDLE HOOD SECTION 1 FRYER HOOD SECTION 1

FIRE SYSTEM OPTIONS AND ACCESSORIES

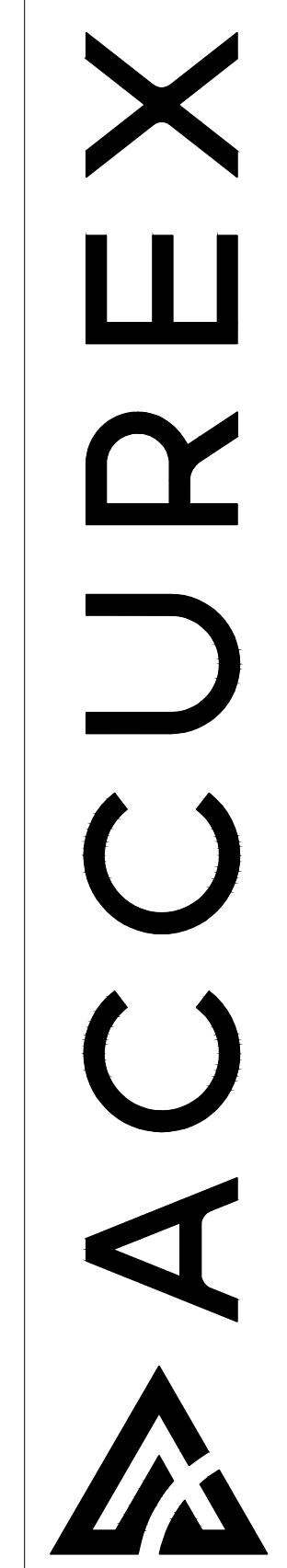
FULL INSTALLATION (INCLUDES PRE-PIPED HOOD(S) WITH DETECTION AND FACTORY COORDINATED INSTALL)
 CHROME SLEEVES FOR FACTORY PROVIDED APPLIANCES DROPS - INCLUDED
 METAL BLOW-OFF CAPS - INCLUDED
 GAS VALVE - INCLUDED - MECHANICAL SHUTOFF VALVE, 1.50" (AMEREX) - PART# AMEREXMECHSHUTOFFVALVE150
 HOOD SUPPRESSION TANK - INCLUDED - 7.5 GAL. - [(2) 3.75 TANK(S)]
 REMOTE PULL STATION - MULTIPLE - FIELD INSTALLATION AT TWO POINTS OF EGRESS
 SINGLE ENCLOSURE FOR RELEASE & FIRST TANK FOR REMOTE MOUNTING - INCLUDED
 TANK ENCLOSURES (STAINLESS STEEL) FOR REMOTE MOUNTING - INCLUDED

AMEREX KP (WET CHEMICAL) FIRE PROTECTION SYSTEM - MODEL FSSK



CULVERS METRO L 2025 (S)
 GRIDDLE HOOD
 PRV-2 GRIDDLE-FAN
 FIRE SUPPRESSION

PROJECT 7/11/2024
 ACCUREX - WI, IA
 PHILLIP KRAFT
 PHILLIP.KRAFT@ACCUREX.COM
 262-227-7865



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CULVERS OF TILTON, IL
 1500 GEORGETOWN ROAD
 Tilton, IL 61832
 County of Vermilion

OWNER:
 MAHOMET EAST, LLC
 200 South State Street
 Belvidere Illinois 61008
 815-544-7790 Phone
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GRIDDLE HOOD/EXHAUST
 SCHEDULE & DETAILS

Date: 6-23-2025
 Revision:

2025-066
 M202

HOOD INFORMATION																	
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST					SUPPLY		TOTAL WEIGHT LBS.	SECTION LOCATION	
			LENGTH	WIDTH	HEIGHT			TOTAL CFM	COLLAR(S)			MUA CFM	AC CFM				
1	FRYER HOOD	XXEP-83-S	83	TOP 23 BOT 3	FRT 12 BACK 36	430 SS WHERE EXPOSED	MEDIUM	1500	12	12	DIA.	CFM	S.P.			169	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	SIZE	MODEL	CONTROLS
1	FRYER HOOD					X-TRACTOR (SPARK ARRESTOR INCL.) STAINLESS STEEL	5	16					
							0	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

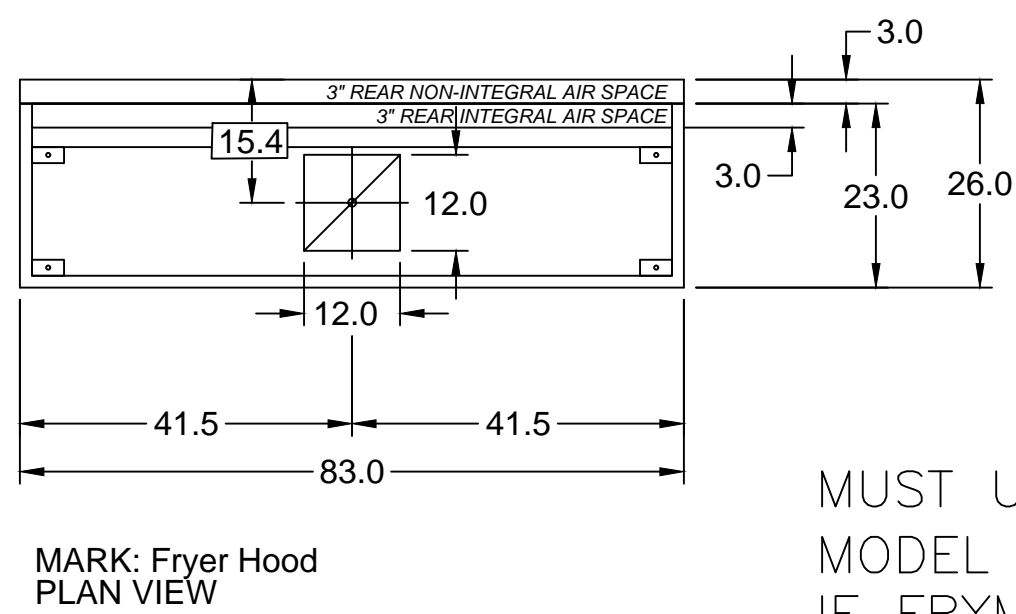
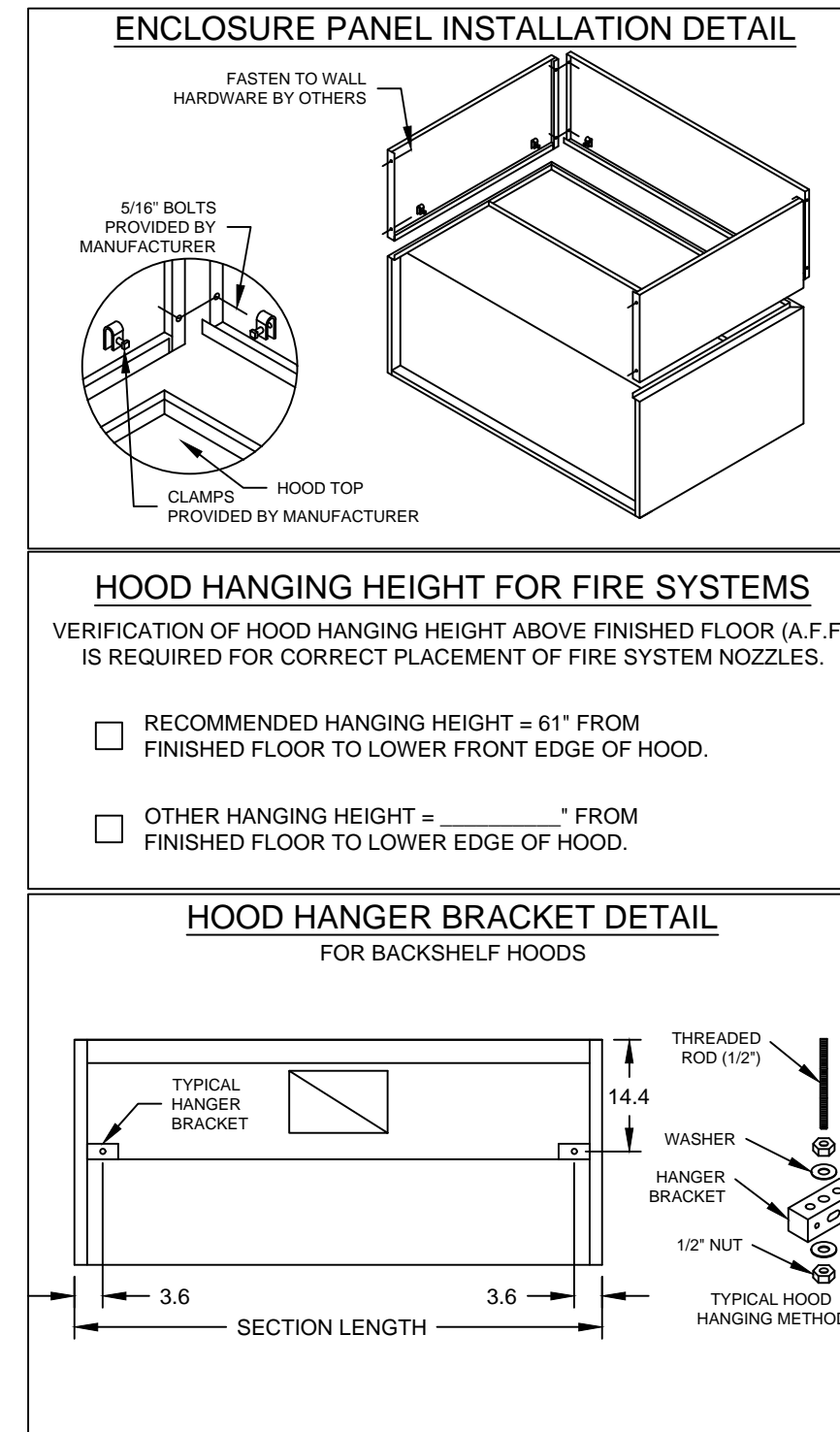
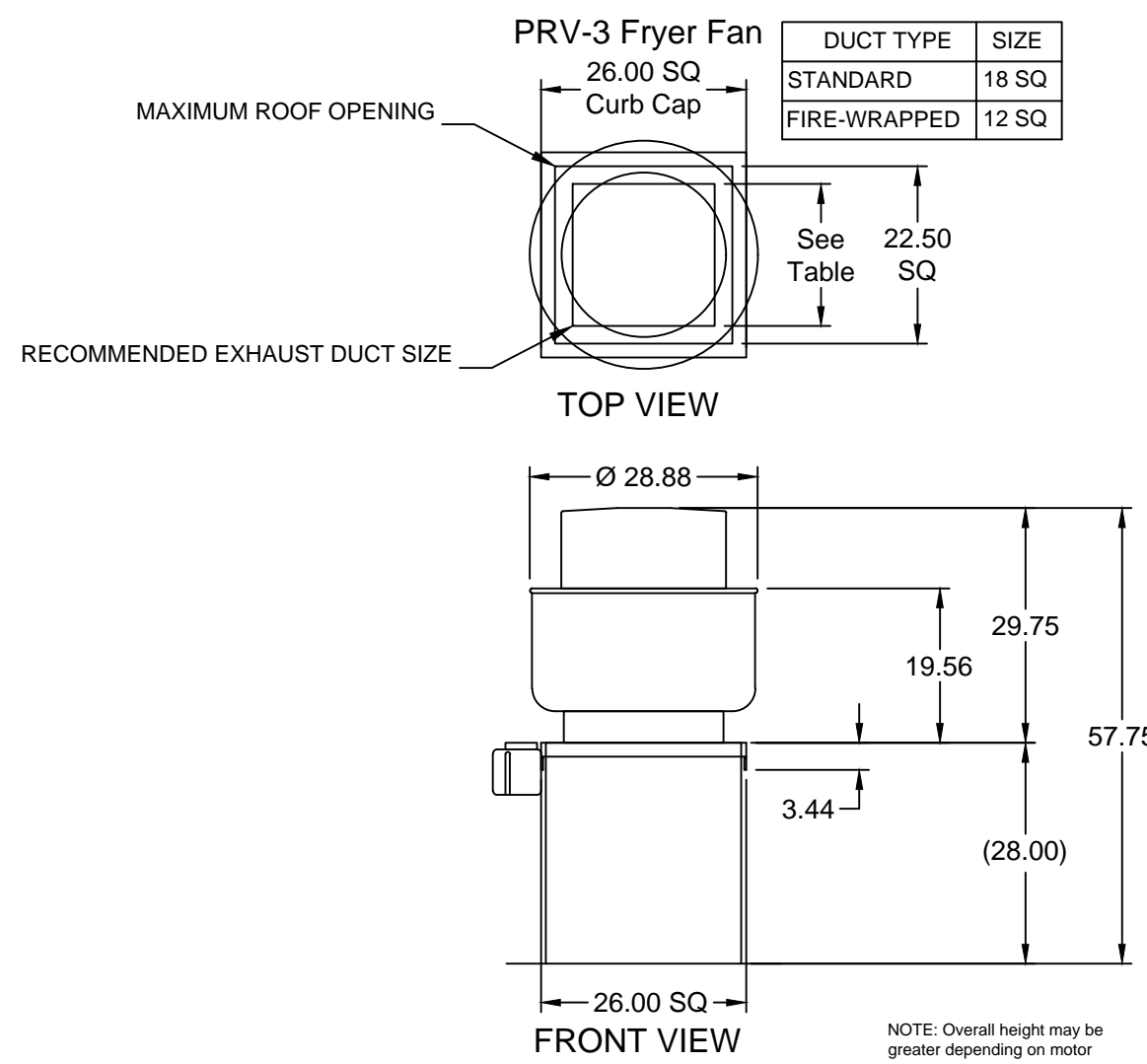
SDR #K1100559 - NEW PITCO 4L FRYER FLUE BYPASS SYSTEM
 SDR #K1700974 - CULVERS 4VAT 2FIRE PROCESS - FRYER HOOD
 SDR #K2000140 - IF FRYMASTER FRYER FLUE BYPASS

Direct Drive Upblast Centrifugal Roof Exhaust Fan

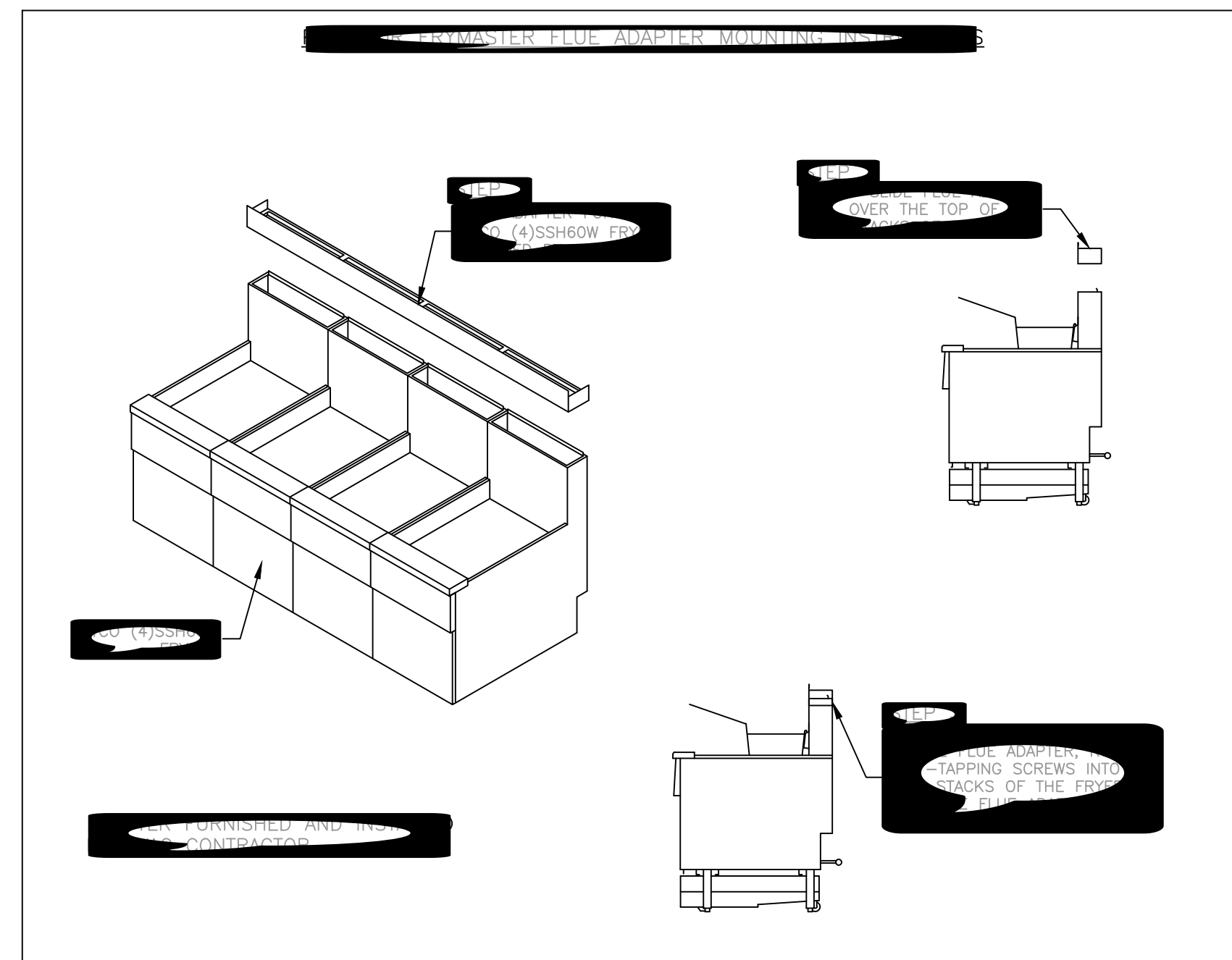
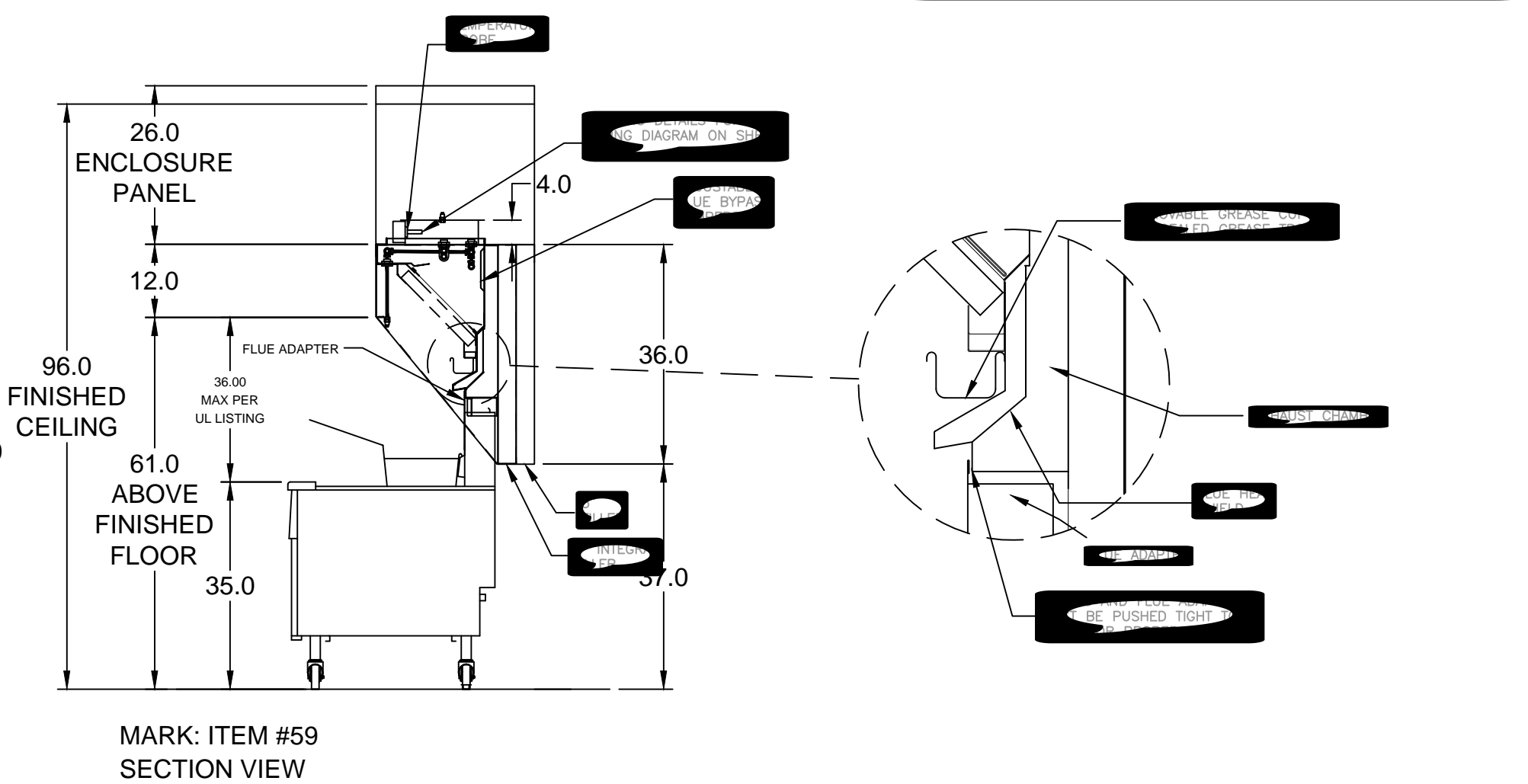
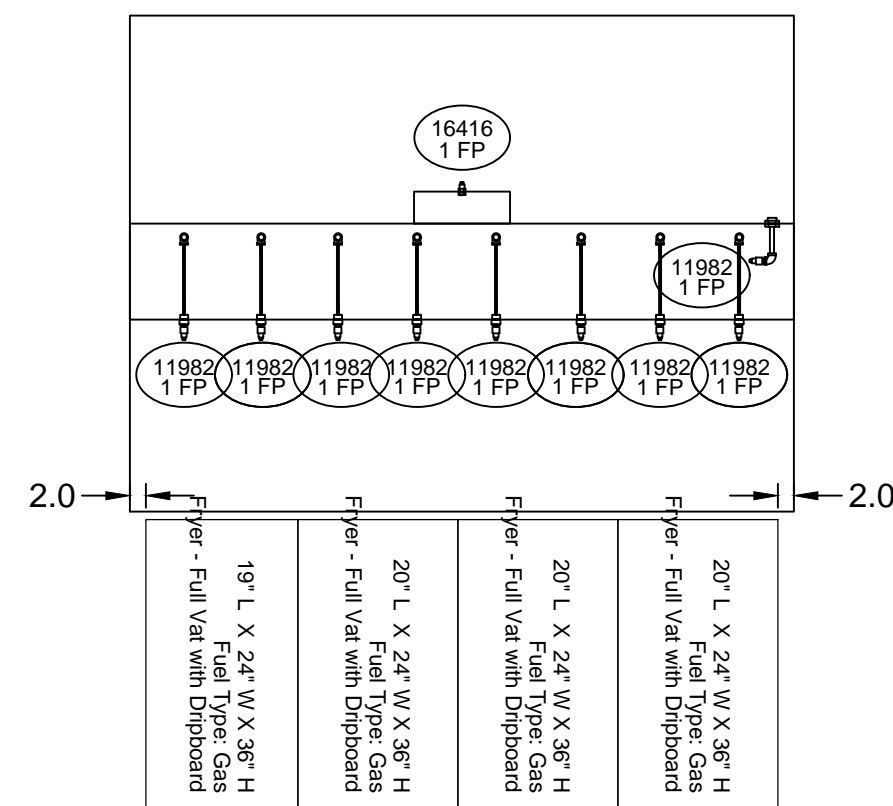
MARK INFORMATION			FAN INFORMATION					MOTOR INFORMATION					
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	PRV-3 Fryer Fan	XCUE-140-VG	1,500	1	1,365	0.46	92	1	115/60/1	OP	1725	1	16

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



MUST USE WITH PITCO MODEL CU-SSH60W/WR 4VAT FRYER IF FRYMASTER MODEL 41814GF-CFS BEING USED, NOTIFY ACCUREX REP



ACCUREX

CULVERS METRO L 2025 (S)

FRYER HOOD
PRV-3 FRYER FAN

PROJECT 7/11/2024

MARK

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

FRYER HOOD/EXHAUST SCHEDULE & DETAILS

Date: 6-23-2025 Revision:

2025-066

M203

OWNER:
OLLMANN ERNEST MARTIN ARCHITECTS
200 South State Street
Belvidere Illinois 61008
815-544-7990 Phone
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Culver's
Culver Franchising System, Inc.
1240 Water Street
Prairie du Sac, WI 53578
608-843-7880

CULVERS OF TILTON, IL
1500 GEORGETOWN ROAD
Tilton, IL 61832
County of Vermilion

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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	1,466	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, Nominal Size	
Birdscreen: Galvanized, nom. 84% Free Area	
Composite Wheel Material	

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	NEC FLA*
2	EF-1A	XCR-B80	75	0.125	881	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	

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	

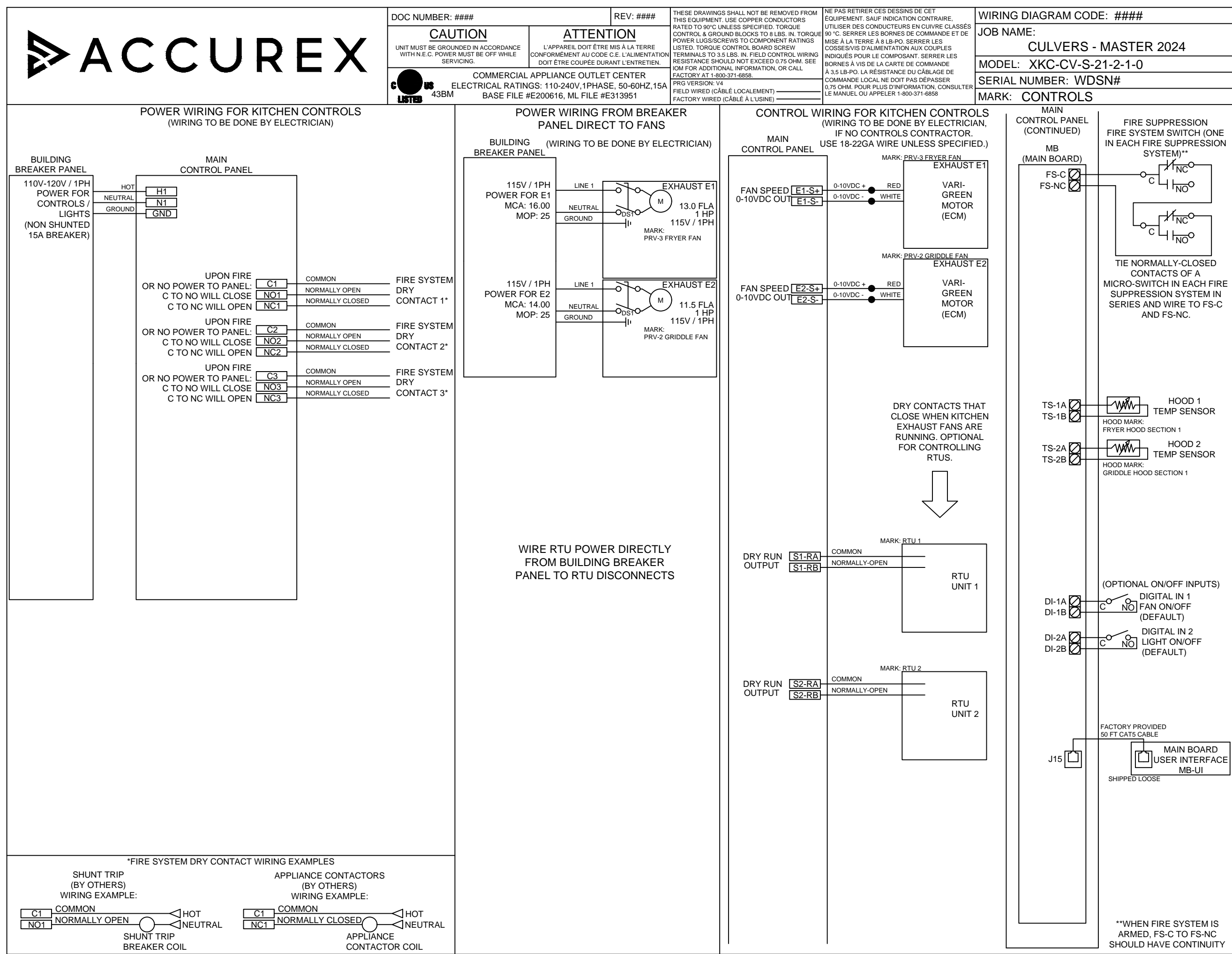
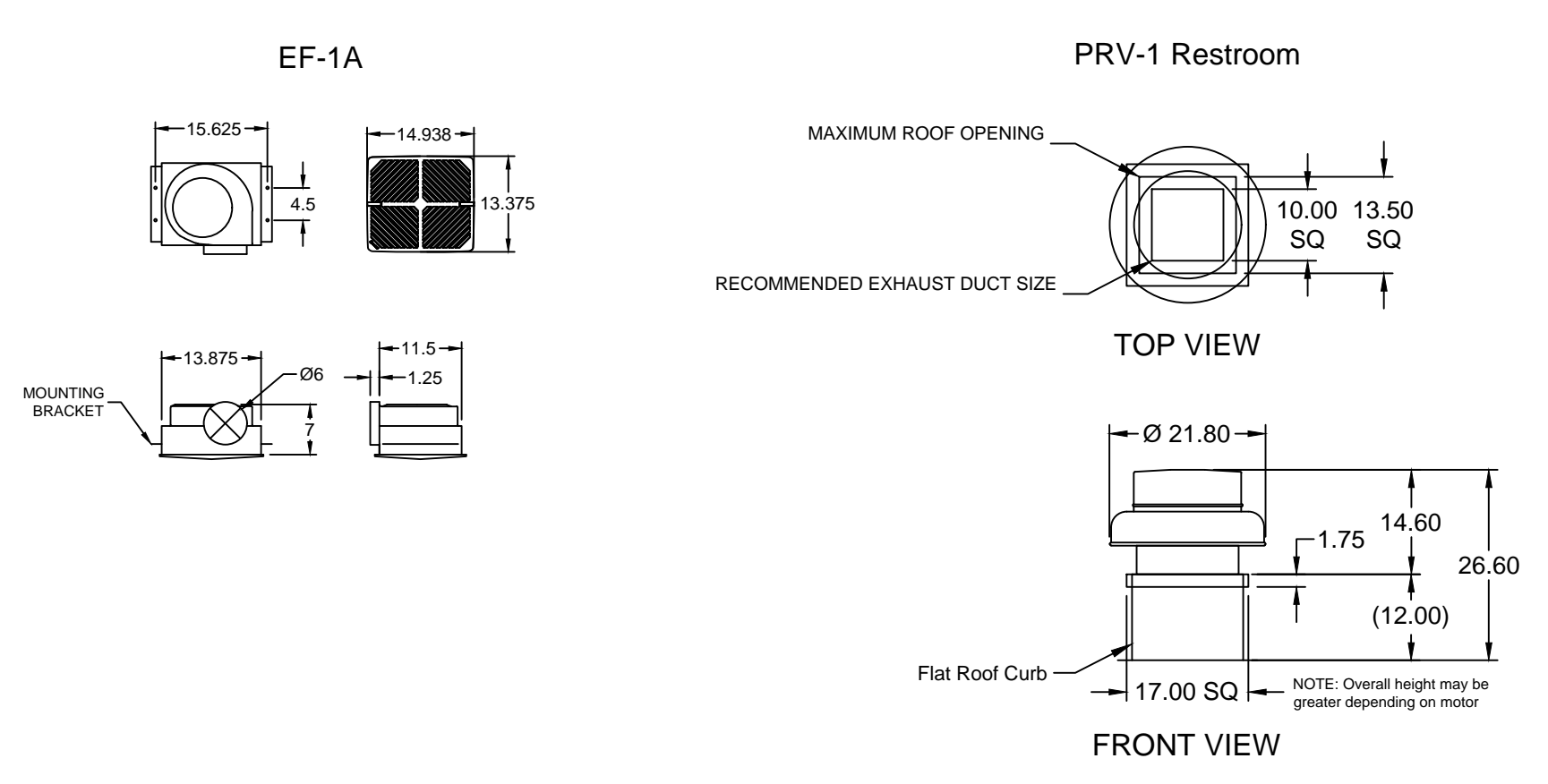
FANS CONTROLLED											
FAN #	TYPE	FAN	FAN MARK	ZONE	CFM	MOTOR HP	MOTOR VOLT	CYCLE	MOTOR PHASE	MOTOR STARTER IN PANEL	VFD IN PANEL
1	SUPPLY	S1	RTU-1	1	1500	1	208	60	3	NO	NO
2	SUPPLY	S2	RTU-2	2	1500	1	208	60	3	NO	NO
3	EXHAUST	E1	PRV-2 GRIDDLE FAN	2	1500	1	115	60	1	NO	NO
4	EXHAUST	E2	PRV-3 FRYER FAN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

CONTROL FEATURES

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



ACCUREX

CULVERS METRO L 2025 (S)

PROJECT: 7/11/2024

MARK: CONDENSATE HOOD PRV-4 CONDENSATE FAN PRV-1 RESTROOM FAN EF-1A CONTROLS

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

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FAN SCHEDULE & DETAILS

M204

Date: 6-23-2025 Revision:

2025-066

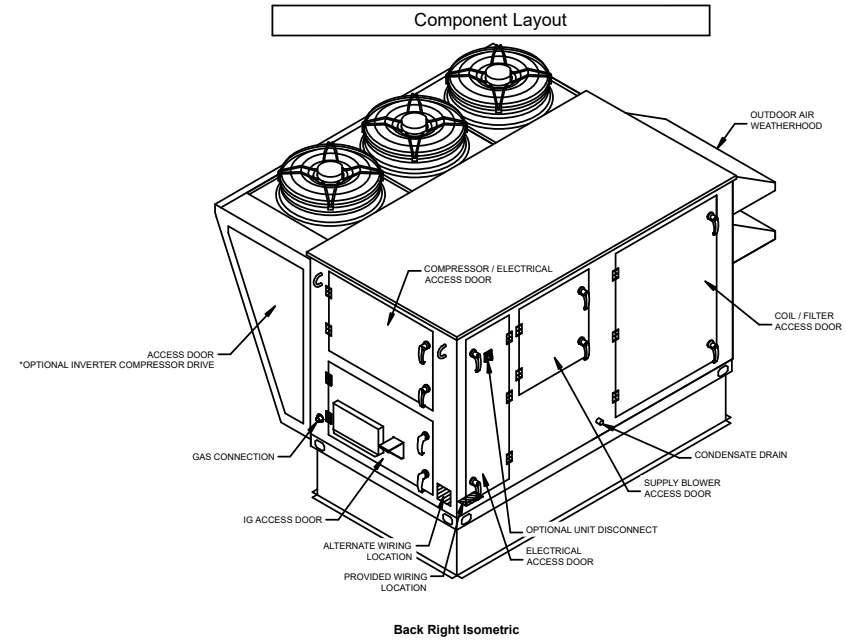
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 Belvidere Illinois 61008
 815-544-7790 Phone
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CULVERS OF TILTON, IL
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 County of Vermilion

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 608-843-7880

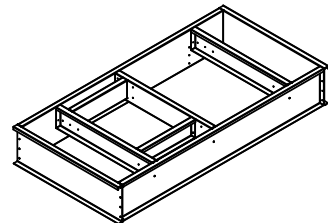
EQUIPMENT SCHEDULE

Packaged Ventilator														
Mark Name	Qty	Model	Mounting Location	Weight	Outdoor Air Volume	Recirc Air Volume	Economizer Outdoor Air Volume	Economizer Exhaust Air Volume						
RTU-1 (DOAS Dining)	1	XRV-25-15J-G-G2	Outdoor	2,426 lb	1,750 CFM	4400	NA	NA						
Supply Fan						Electrical								
Supply Air Volume	Supply ESP	Supply TSP	FRPM	Supply BHP	Supply Motor	Voltage	Frequency	Phase	Unit MCA	Unit MOP				
6,150 CFM	0.5 in. wg	3.641 in. wg	2706 RPM	6.7 hp	(1) 7 1/2 hp	208	60	3	102.3 A	150.0 A				
Cooling Section														
Coil Entering DB	Coil Entering WB	Coil Leaving DB	Coil Leaving WB	Nominal Tonnage	Total Capacity	Sensible Capacity	Coil Face Velocity	Coil Pressure Drop	Rows Deep	Fins per Inch	Compressor Type	Compressor Qty	AHRI 340/360 EER	AHRI 340/360 IEER
79.3 F	67.1 F	56.2 F	56.2 F	15	203.7 MBH	144.5 MBH MBH	463 ft/min	0.676 in. wg	6	14	Inverter Scroll	1	10.8	19.9
Heating Section						Hot Gas Reheat								
Gas Type	Input	Output	EAT	LAT	Furnace Control	Temp Rise	Hot Gas Reheat Capacity	LAT						
Natural	200.0 MBH	162.0 MBH	47.0 F F	71.3 F	4:1 Modulating	24.4 F	127.7 MBH	76.1 F						
NOTES														
Painted exterior with 2500 hr. salt spray rating. Double wall 2" R13 injected foam insulated cabinet. Single condenser fan shall not exceed a sound power level of 75 LWA. Compressors mounted on a shelf behind an insulated door for minimized radiated and transmitted sound. Direct-drive fans with factory mounted VFDs. Controller must have simplified access via a laptop to view and change unit operation, set points, alarm history & 1 week of trending data. EC motors on all condenser fans. Modulating gas furnace with 4Modulating turndown and a 25 year HX warranty.						Weatherhood: Downturned Hood Supply Filters - 2" Pleated MERV 13, 2-20x20x2, 2-20x24x2 Outdoor Air Dampers - Motorized Low Leakage Recirc Dampers - Motorized Low Leakage Barometric Damper Painted Exterior - RAL7023 Microprocessor Controls Supply Fan VFD Control - Single Zone VAV OAR/A Damper Controls - Constant Position-Adj, Setpoint Economizer Mode - Temp./Enthalpy O/A RH Sensor Space Temp and RH - 1 Temp and RH Only Remote Display w/150' Cord Phase and Brown Out Protection SCOR - 5kA Branch Circuit Fusing 120v NEMA 3R Outlet (ships loose power by others) Unit Disconnect - Mounted By Factory Hall Guards Shipped Loose Smoke Detectors - Exhaust Condensate Overflow Switch Unit Warranty: 18 Months Standard Extended Compressor Warranty: 5 Yrs								
OPTIONS AND ACCESSORIES														

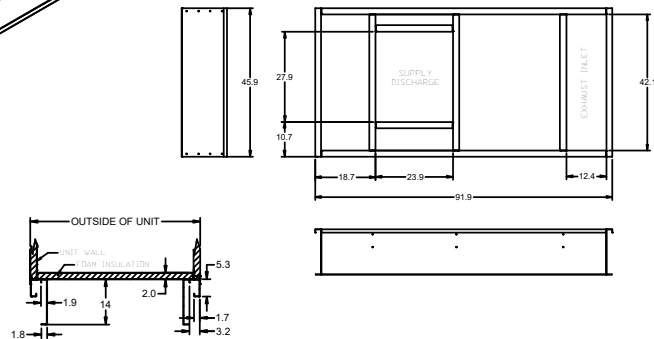


Curb Installation Instructions

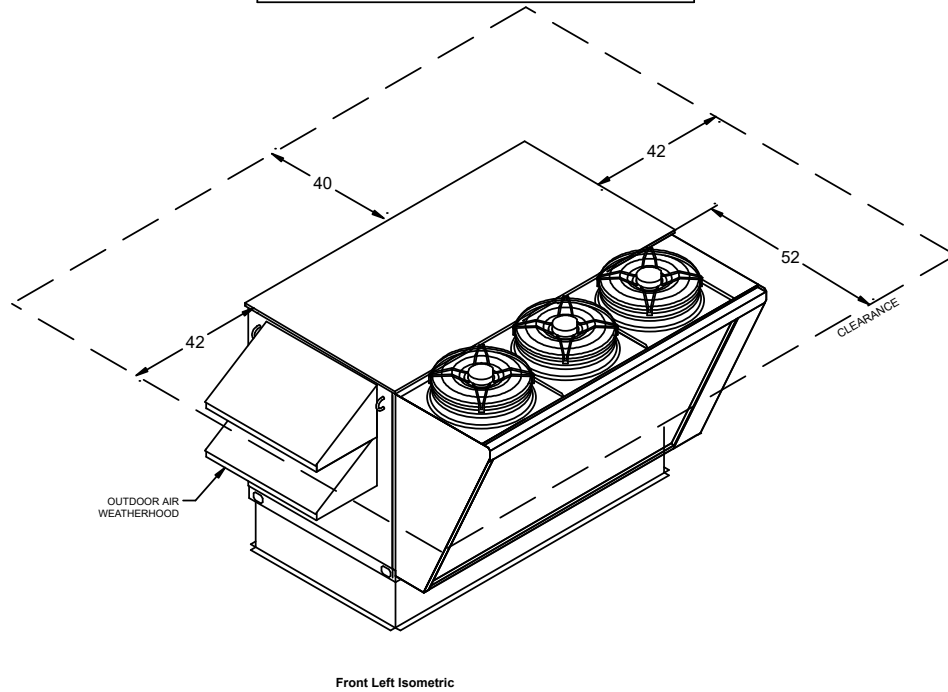
1. Factory supplied roof curbs. Roof curbs are model GKD which ship in a knockdown kit (includes duct adapters) and require field assembly (by others) on all units except XRV-110 which are shipped assembled. Assembly instructions are included with the curb kit.
2. Install curb. Locate curb over roof opening and fasten in place. Check that the diagonal dimensions are within ± 1/8 inch of each other and adjust as necessary. For proper coil drainage and unit operation, it is important that the installation be level. Shim the curb as required to level. Install gasketing on top surface of curb (provided by others).
3. Install ductwork. Installation of all ducts should be done in accordance with SMACNA and AMCA guidelines. Duct adapters are provided to support ducts prior to setting the unit.
4. Set the unit. Lift unit to a point directly above the curb and duct openings. Guide unit while lowering to align with duct openings. Roof curbs fit inside the unit base. Make sure the unit is properly seated on the curb and level.
5. Fasten the unit. Fasten the unit to the curb/equipment support(s) using the appropriate methods. The installer is responsible for determining appropriate support and fastening methods to ensure compliance with all applicable codes.
6. Install vestibule. If unit was ordered with a vestibule and it has not yet been attached to the unit, caulk and attach the vestibule at this time.



Curb Detail

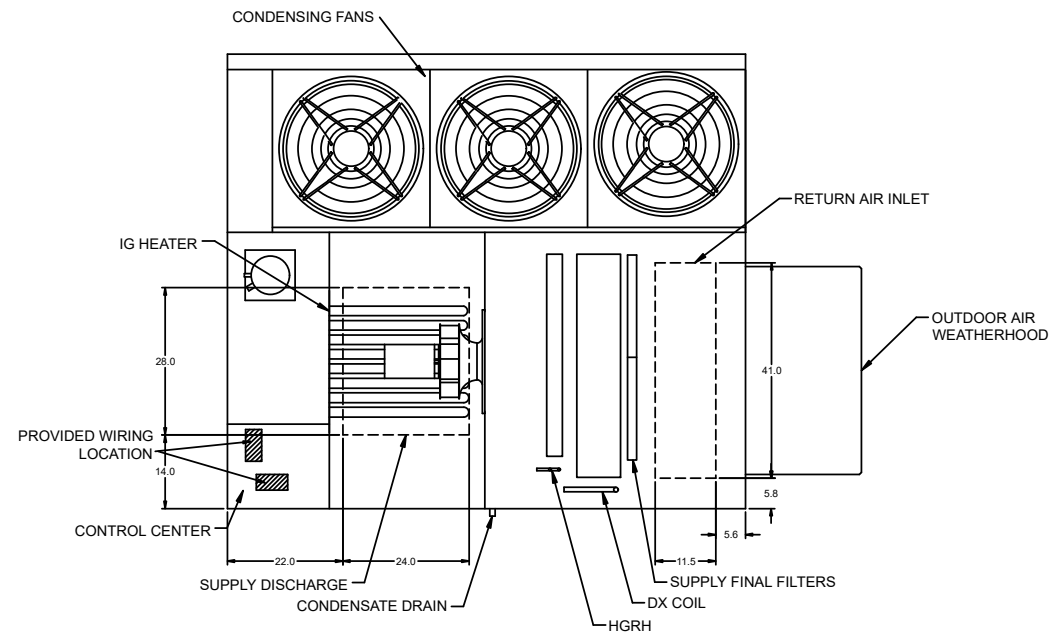


Service Clearances

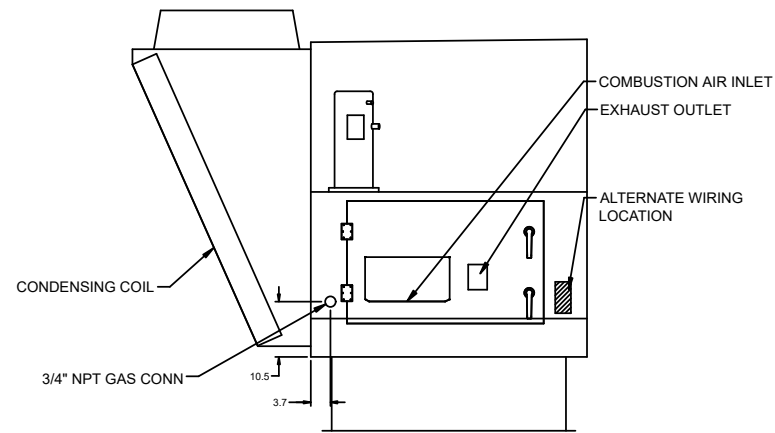
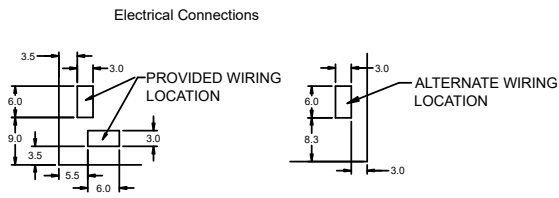


Curb Specifications						
Height (in)	Length (in)	Width (in)	Material	Finish Type	Duct Adapter	Weight (lb)
14	91.9	45.9	Galvanized	Galvanized	Yes	223

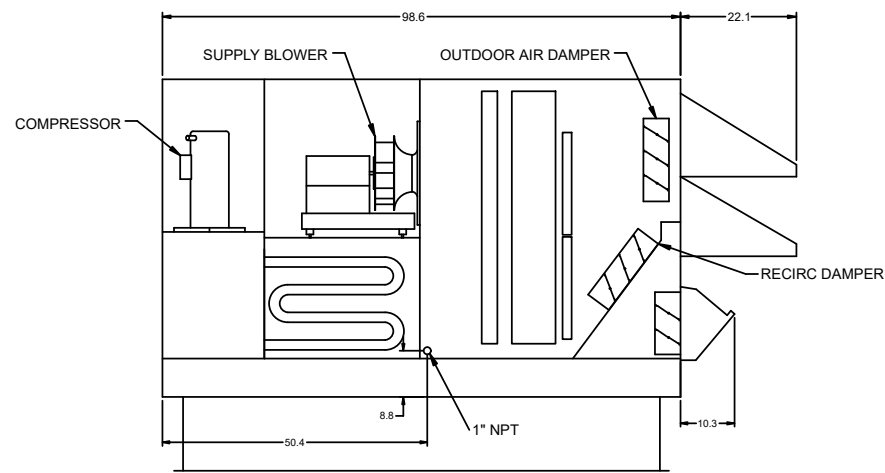
Dimensional Overview



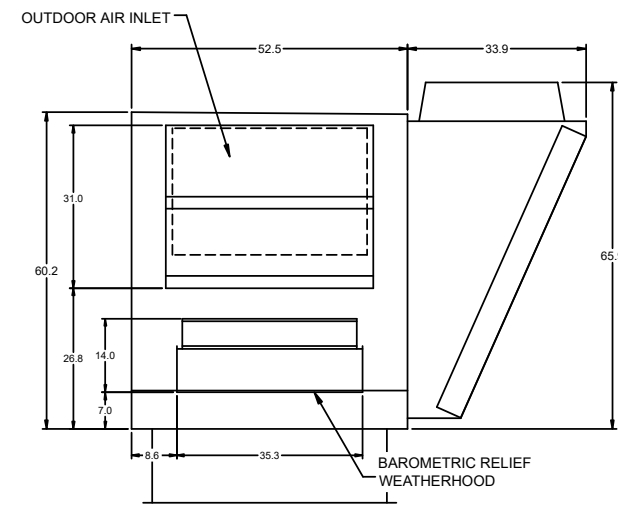
Plan



Left End



Elevation



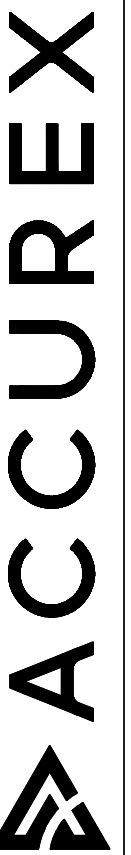
Right End



CULVERS TILTON IL (DOAS)

PROJECT: 7/17/2025

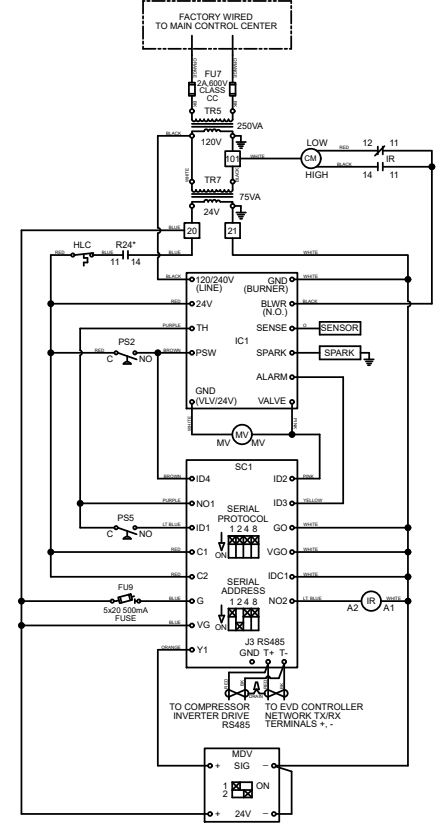
ACCUREX W/IA
PHILLIP KRAFT
PHILLIP.KRAFT@ACCUREX.COM
(262)227-7865



RTU-1 (DOAS DINING)

MARK

**INDIRECT GAS WIRING DIAGRAM
FURNACE 1 - 4:1 MODULATING**



Wiring Diagram Code:
A4K51P1RX0052GS23

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

NOTES
USE COPPER CONDUCTORS ONLY
S² C FOR TERMINALS RATED LESS THAN 100 AMPS
F² C FOR TERMINALS RATED 100 AMPS OR MORE.
FIELD CONTROL WIRING RESISTANCE SHOULD
NOT EXCEED 0.75 OHM.
FIELD WIRED - - - - -
FACTORY SUPPLIED AND WIRED - - - - -

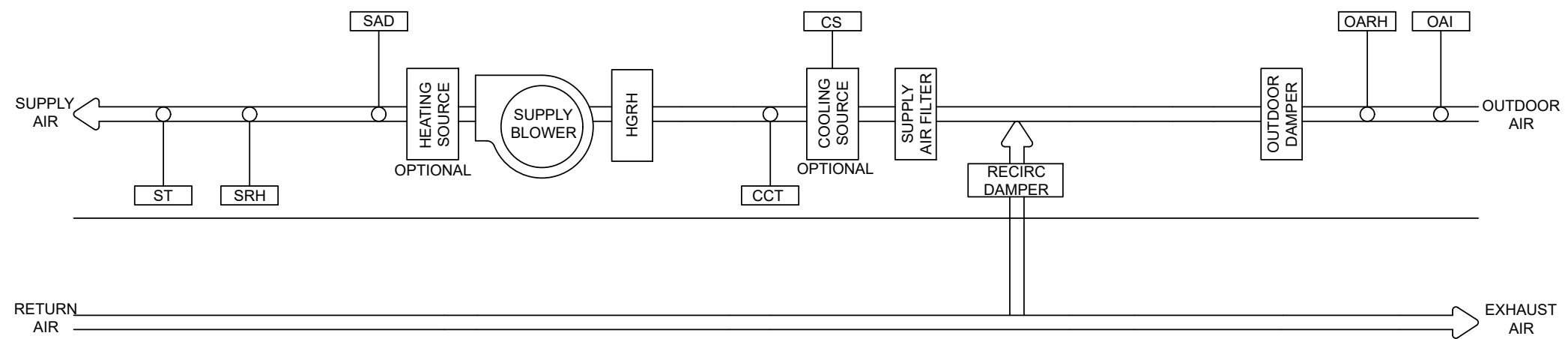
NOTE 1
MODBUS COMMUNICATION WIRING. DAISSY CHAIN TO
ALL MODBUS DEVICES.

WIRE COLOR CODE

BK	BLACK	BL	BLUE	BR	BROWN
GY	GRAY	LT BL	LIGHT BLUE	OR	ORANGE
PK	PINK	PR	PURPLE	R	RED
W	WHITE	Y	YELLOW		

LEGEND

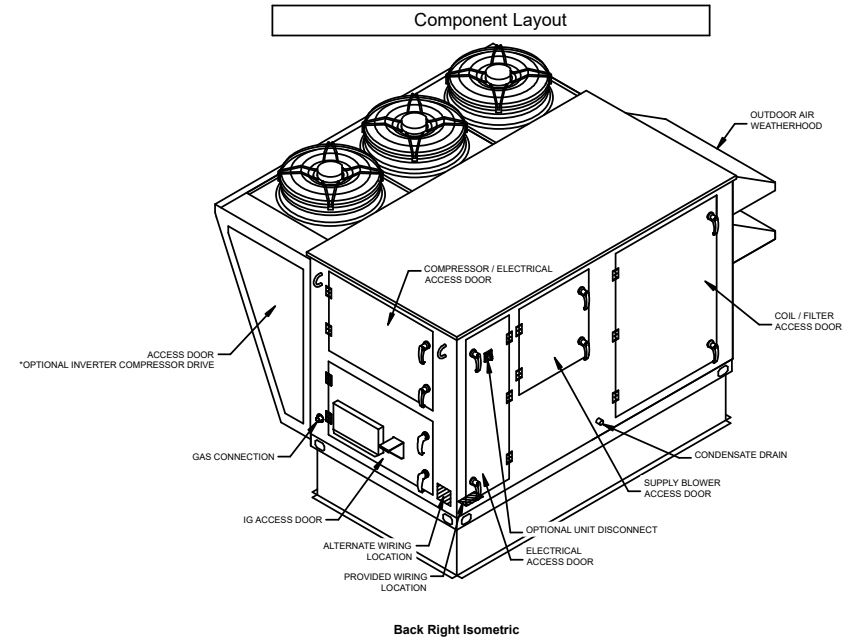
GM	COMBUSTION BLOWER MOTOR
F1-F8	FUSES
HLC	HIGH TEMPERATURE LIMIT CONTROL
IC1	IGNITION CONTROL
IR	INDUCTION RELAY
IMV	MODULATING VALVE
MV	MAN GAS VALVE
PS2	COMBUSTION AIR PROOVING SWITCH
PS5	HIGH SPEED PRESSURE SWITCH
RS4	AIR ALARM LOCKOUT RELAY
SC1	REFERENCE MAIN UNIT CONTROL CENTER DIAGRAM FOR RELAY COIL WIRING
SC1	STAGE CONTROLLER
TR5	TRANSFORMER(S)



SENSORS	
SAD:	Supply air discharge temperature
OAI:	Outdoor air intake temperature
CS:	Condensate overflow switch
CCT:	Cooling coil temperature
OARH:	Outdoor air intake relative humidity
ST:	Space temperature
SRH:	Space relative humidity

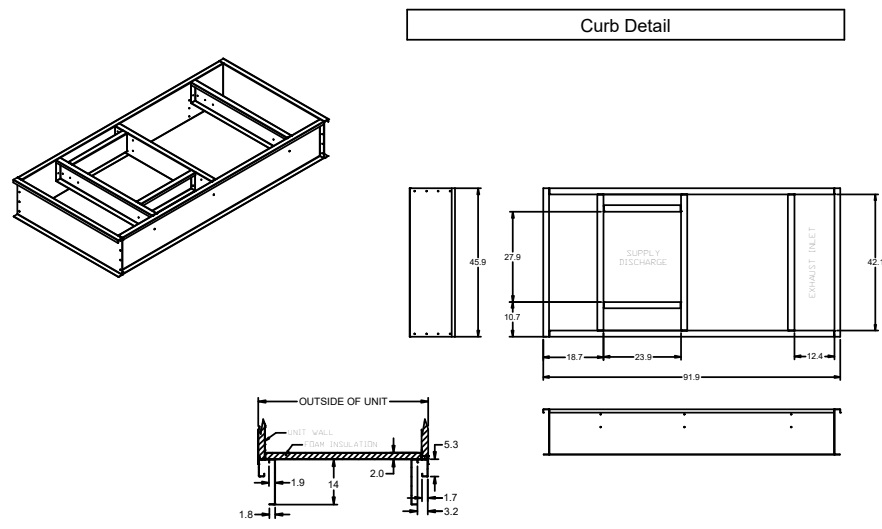
EQUIPMENT SCHEDULE

Packaged Ventilator														
Mark Name	Qty	Model	Mounting Location	Weight	Outdoor Air Volume	Recirc Air Volume	Economizer Outdoor Air Volume	Economizer Exhaust Air Volume						
RTU-2 (DOAS Kitchen)	1	XRV-25-15J-G-G2	Outdoor	2,426 lb	1,700 CFM	4450	NA	NA						
Supply Fan				Electrical										
Supply Air Volume	Supply ESP	Supply TSP	FRPM	Supply BHP	Supply Motor	Voltage	Frequency	Phase	Unit MCA	Unit MOP				
6,150 CFM	0.5 in. wg	3.641 in. wg	2706 RPM	6.7 hp	(1) 7 1/2 hp	208	60	3	102.3 A	150.0 A				
Cooling Section														
Coil Entering DB	Coil Entering WB	Coil Leaving DB	Coil Leaving WB	Nominal Tonnage	Total Capacity	Sensible Capacity	Coil Face Velocity	Coil Pressure Drop	Rows Deep	Fins per Inch	Compressor Type	Compressor Qty	AHRI 340/360 EER	AHRI 340/360 IEER
79.1 F	66.9 F	56.1 F	56.1 F	15	203.2 MBH	144.6 MBH MBH	463 ft/min	0.676 in. wg	6	14	Inverter Scroll	1	10.8	19.9
Heating Section						Hot Gas Reheat								
Gas Type	Input	Output	EAT	LAT	Furnace Control	Temp Rise	Hot Gas Reheat Capacity	LAT						
Natural	200.0 MBH	162.0 MBH	47.7 F F	72.0 F	4:1 Modulating	24.4 F	128.0 MBH	76.0 F						
NOTES														
Painted exterior with 2500 hr. salt spray rating. Double wall 2" R13 injected foam insulated cabinet. Single condenser fan shall not exceed a sound power level of 75 LWA. Compressors mounted on a shelf behind an insulated door for minimized radiated and transmitted sound. Direct-drive fans with factory mounted VFDs. Controller must have simplified access via a laptop to view and change unit operation, set points, alarm history & 1 week of trending data. EC motors on all condenser fans. Modulating gas furnace with 4Modulating turndown and a 25 year HX warranty.							OPTIONS AND ACCESSORIES Weatherhood: Downturned Hood Supply Filters - 2" Pleated MERV 13, 2-20x20x2, 2-20x24x2 Outdoor Air Dampers - Motorized Low Leakage Recirc Dampers - Motorized Low Leakage Barometric Damper Painted Exterior - RAL7023 Microprocessor Controls Supply Fan VFD Control - Single Zone VAV OAR/A Damper Controls - Constant Position-Adj, Setpoint Economizer Mode - Temp./Enthalpy OA RH Sensor Space Temp and RH - 1 Temp and RH Only Remote Display w/150' Cord Phase and Brown Out Protection SCOR - 5A Branch Circuit Fusing 120v NEMA 3R Outlet (ships loose power by others) Unit Disconnect - Mounted By Factory Hall Guards Shipped Loose Smoke Detectors - Exhaust Condensate Overflow Switch Unit Warranty: 18 Months Standard Extended Compressor Warranty: 5 Yrs							

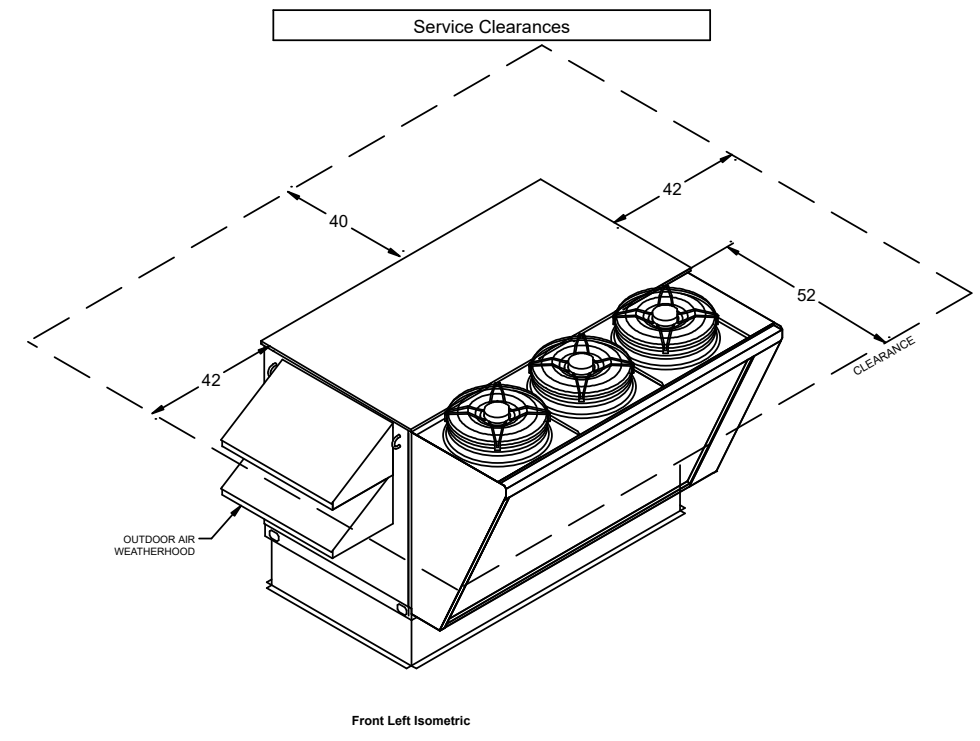


Curb Installation Instructions

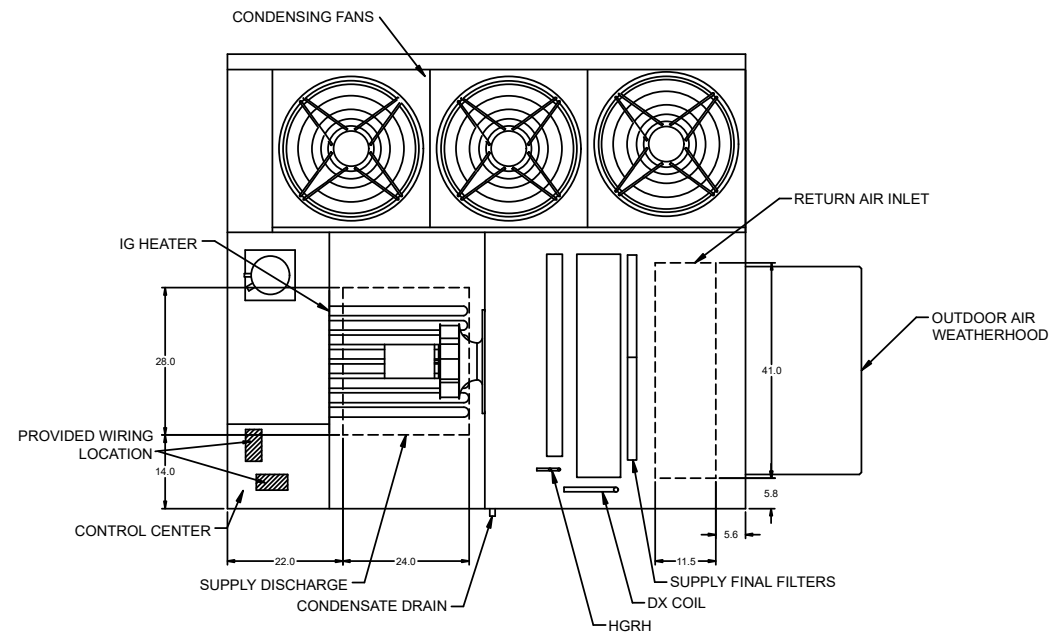
1. Factory supplied roof curbs. Roof curbs are model GKD which ship in a knockdown kit (includes duct adapters) and require field assembly (by others) on all units except XRV-110 which are shipped assembled. Assembly instructions are included with the curb kit.
2. Install curb. Locate curb over roof opening and fasten in place. Check that the diagonal dimensions are within ± 1/8 inch of each other and adjust as necessary. For proper coil drainage and unit operation, it is important that the installation be level. Shim the curb as required to level. Install gasketing on top surface of curb (provided by others).
3. Install ductwork. Installation of all ducts should be done in accordance with SMACNA and AMCA guidelines. Duct adapters are provided to support ducts prior to setting the unit.
4. Set the unit. Lift unit to a point directly above the curb and duct openings. Guide unit while lowering to align with duct openings. Roof curbs fit inside the unit base. Make sure the unit is properly seated on the curb and level.
5. Fasten the unit. Fasten the unit to the curb/equipment support(s) using the appropriate methods. The installer is responsible for determining appropriate support and fastening methods to ensure compliance with all applicable codes.
6. Install vestibule. If unit was ordered with a vestibule and it has not yet been attached to the unit, caulk and attach the vestibule at this time.



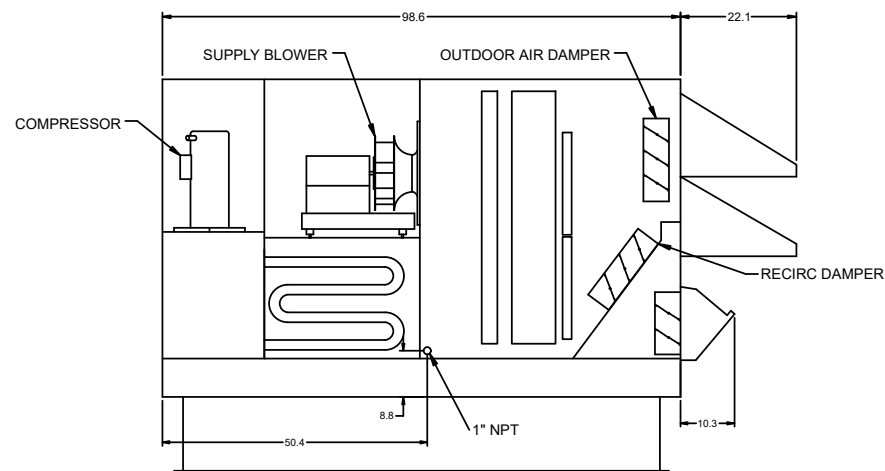
Curb Specifications						
Height (in)	Length (in)	Width (in)	Material	Finish Type	Duct Adapter	Weight (lb)
14	91.9	45.9	Galvanized	Galvanized	Yes	223



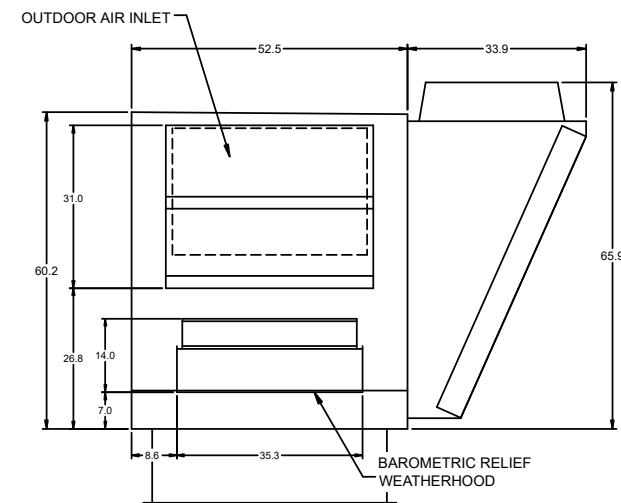
Dimensional Overview



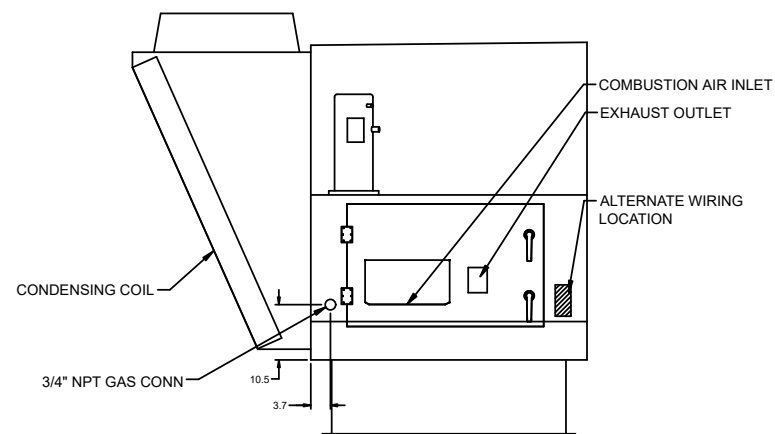
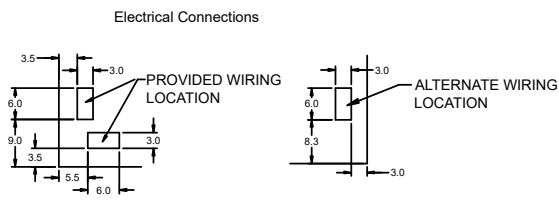
Plan



Elevation



Right End



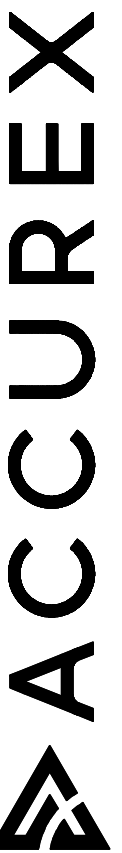
Left End

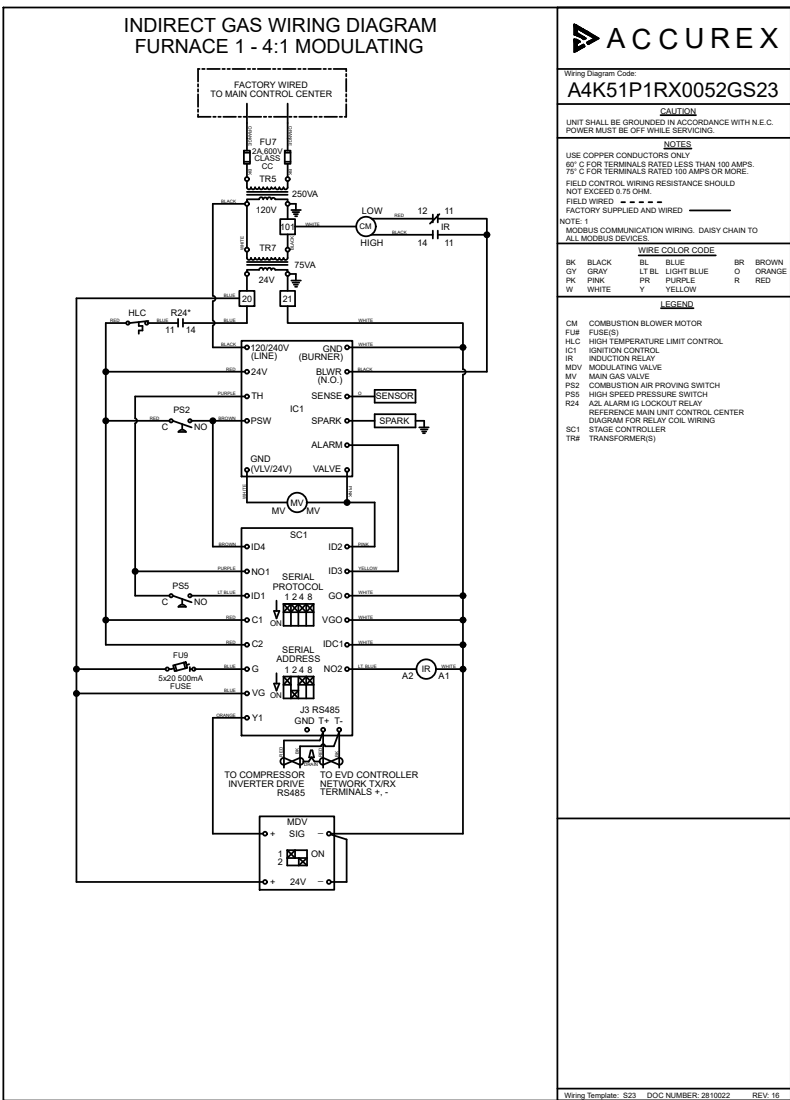


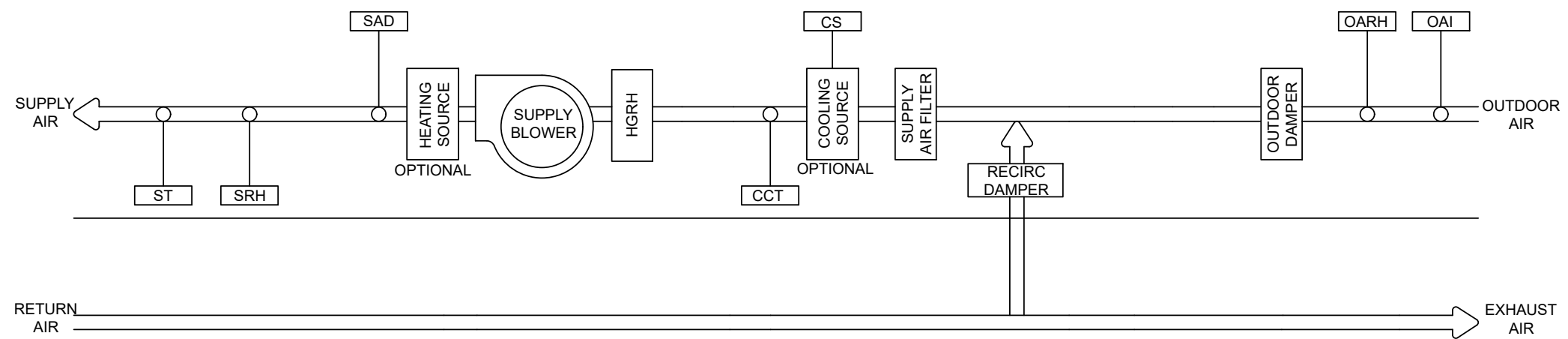
CULVERS TILTON IL (DOAS)

PROJECT
7/17/2025

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SENSORS
SAD: Supply air discharge temperature
OAI: Outdoor air intake temperature
CS: Condensate overflow switch
CCT: Cooling coil temperature
OARH: Outdoor air intake relative humidity
ST: Space temperature
SRH: Space relative humidity