

Reviewed for Code Compliance Florida Building Code

RTU-1 CAPTIVAIRE CASRTU3E-452-24-20T-DOAS COMBINATION GAS HEATING AND ELECTRIC COOLING ROOFTOP UNIT / HUMIDITROL 284,000 NET. COOLING CAPACITY, 18.2 EER, 208 / 230 VOLT, 3 PHASE, 87.9A MCA & 100A MOCP, 244039 BTU INPUT FOR GAS HEAT. UNIT WEIGHT IS 2,130lbs. BLOWER MOTOR SET FOR NOMINAL 5,000 CFM & FRESH AIR INTAKE DAMPER SET FOR MINIMUM 2,000 CFM. PROVIDE MANUFACTURER'S 18" HIGH ROOF CURB, TWO STAGE CONTROL DUCT DISCHARGE CONTROL, IN-DUCT SMOKE DETECTORS, 3 BELT TENSIONER WITH SPARE BELT, MERV 4 FILTERS, LOOSE SHIPPED CONDENSATE TRAP AND HONEYWELL OR EQUAL 17350 NITE SET BACK THERMOSTAT AND DISCONNECT SWITCH. MOTORIZED OUTSIDE AIR INTAKE DAMPER, NO ECONOMIZER. NO SUBSTITUTIONS. PROVIDE BOTTOM TAP FOR GAS CONNECTION.

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RTU-2 CAPTIVAIRE CASRTU3E-452-24-20T-DOAS COMBINATION GAS HEATING AND ELECTRIC COOLING ROOFTOP UNIT / HUMIDITROL 284,000 NET. COOLING CAPACITY, 18.2 EER, 208 / 230 VOLT, 3 PHASE, 87.9A MCA & 100A MOCP, 244039 BTU INPUT FOR GAS HEAT. UNIT WEIGHT IS 2,130lbs. BLOWER MOTOR SET FOR NOMINAL 5,000 CFM & FRESH AIR INTAKE DAMPER SET FOR MINIMUM 2,000 CFM. PROVIDE MANUFACTURER'S 18" HIGH ROOF CURB, TWO STAGE CONTROL DUCT DISCHARGE CONTROL, IN-DUCT SMOKE DETECTORS, 3 BELT TENSIONER WITH SPARE BELT, MERV 4 FILTERS, LOOSE SHIPPED CONDENSATE TRAP AND HONEYWELL OR EQUAL 17350 NITE SET BACK THERMOSTAT AND DISCONNECT SWITCH. MOTORIZED OUTSIDE AIR INTAKE DAMPER, NO ECONOMIZER. NO SUBSTITUTIONS. PROVIDE BOTTOM TAP FOR GAS CONNECTION.



CONTROL NOTES

- RTU-1 & RTU-2 SHALL SHUT-DOWN ON ACTIVATION OF FIRE SUPPRESSION SYSTEMS.
- RTU-1 & RTU-2 SHALL SHUT-DOWN ON ACTIVATION OF ANY DUCT DETECTOR.
- OCCUPIED MODE: FANS IN RTU-1 & RTU-2 EXHAUST FANS PER 3.3, 4 TO RUN CONTINUOUSLY. RESTROOM EXHAUST TO BE INTERLOCKED WITH R/F CURB.
- UNOCCUPIED MODE: FANS IN RTU-1 & RTU-2 TO RUN ONLY WHEN COOLING OR HEATING IS CALLED FOR.
- RTU-2A SHALL BE INTERLOCKED WITH RTU-1 & RTU-2 VIA DRAIN CONTROL TO ASSURE SIMULTANEOUS OPERATION, COORDINATE ALL CONTROLS REQUIREMENTS WITH LENOX FROM TO BID PREPARATION.

LENOX SETTINGS FOR CLUVERS

Kitchen Unit
Parameter 3.01 HEAT DELAY NEEDS TO BE SET TO "DISABLED". CONTROL PARAMETER 3.01+0 Pg. 92
ECONOMIZER DIP SWITCHES AS6 (EPU) NEED TO BE SET TO "GLOBAL" MODE. 1 ON 1-OFF (Pg. 5 FIG. 8)
ECONOMIZER MIN POSITION POTENTIOMETER NEEDS TO BE DETERMINED AND SET BY AIR BALANCER. (Pg. 92 FIG. 33)
BOTH THE THERMOSTAT AND THE HOOD FANS MUST BE TIED INTO TBI TERMINAL #49 FOR OCCASION CONTROL.
FRESH AIR TEMPERING (HEATING) CONTROL PARAMETER 6.20+160 "55P" (KITCHEN IS USUALLY IN COOLING MODE)
(PARAMETER 6.20 PAGE 92+1 CHARTS Pg. 109)

Dining Room Unit
PARAMETER 3.01 HEAT DELAY NEEDS TO BE SET TO "DISABLED". CONTROL PARAMETER 3.01+0 Pg. 92
ECONOMIZER DIP SWITCHES AS6 (EPU) NEED TO BE SET TO ECONOMIZER TYPE PURCHASED/INSTALLED. 1+1 2+1 (Pg. 5 FIGURE 8)
ECONOMIZER MIN POSITION POTENTIOMETER NEEDS TO BE DETERMINED AND SET BY AIR BALANCER. (Pg. 92 FIGURE 33)
THE THERMOSTAT MUST BE TIED INTO TBI TERMINAL #49 FOR OCCASION CONTROL.
FRESH AIR TEMPERING (HEATING) CONTROL PARAMETER 6.20+142 "68P" (CONTROL NEUTRAL)
(PARAMETER 6.20 PAGE 92+1 CHARTS PAGE 109)

OTHER PARAMETERS THAT WE DIDN'T SET, BUT ARE PART OF START-UP:
ROOM SET POINT
REMOTE SENSOR OPERATION
TEMP DEADBANDS

CHECK FOR CORRECT OPERATION AND WIRING OF ALL SENSORS.

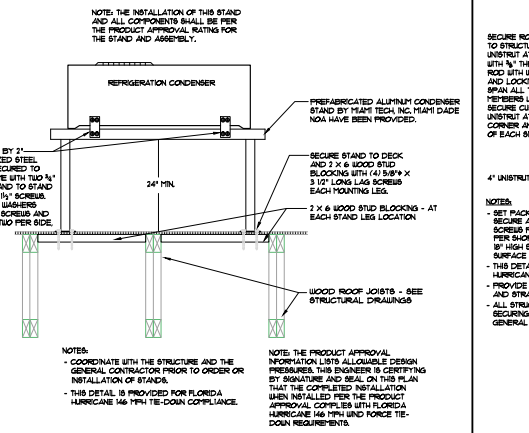
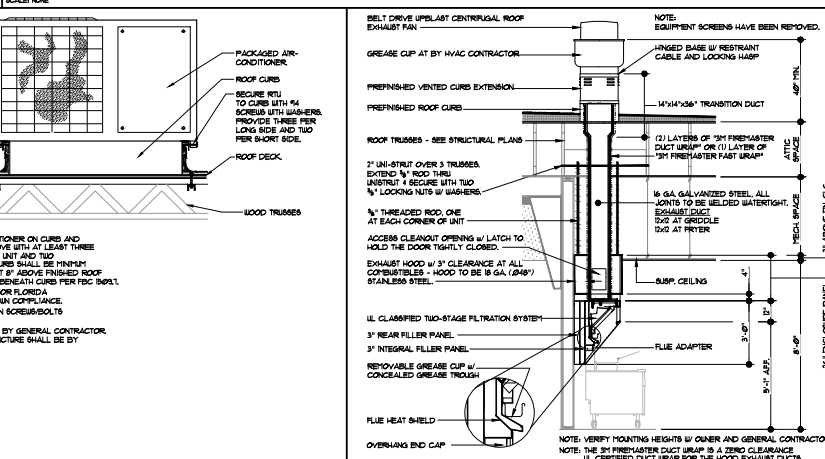
NOTE: VERIFY ALL COLORS WITH OWNER AND ARCHITECT

NATIONAL ACCOUNT PROGRAM

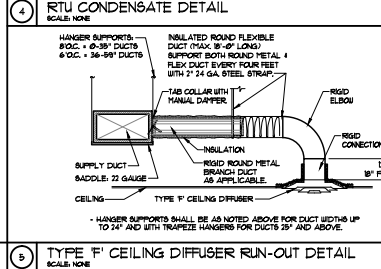
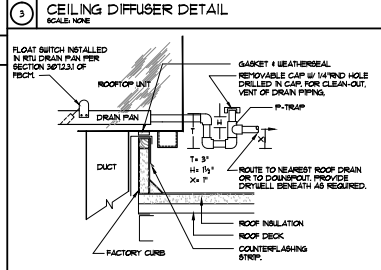
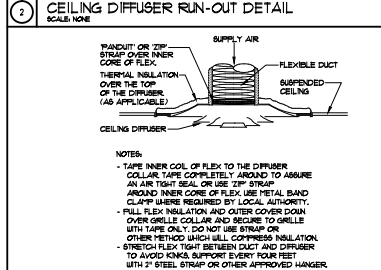
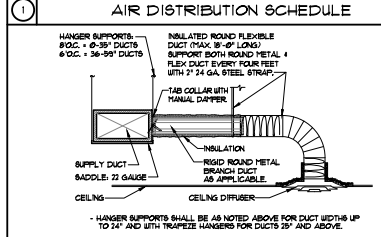
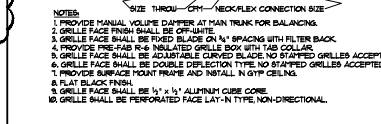
- LENOX INDUSTRIES, INC. - ROOFTOP HVAC EQUIPMENT**
National Accounts Sales: (800) 367-6285 Option #1 lennox.com
National Account Technical Support: (800) 367-6285 Option #2 lennox.com
- ACCUREX/ GREENHECK FAN CORPORATION - KITCHEN HOODS, EXHAUST FANS, ROOF CURBS, ANSUL SYSTEMS, AND ACCESSORIES**
CONTACT Patrick Smith @ (612)-670-2838 DR patrick.smith@accurex.com
- CARNES COMPANY - DIFFUSERS AND GRILLES**
National Accounts Rep: Brian Baker @ (608) 845-6411 bbaker@cornes.com
National Accounts Sales: Chris Stratton @ (608) 845-6411 cstratton@cornes.com

- GVN-1** GREENHECK MODEL FGR GRAVITY RELIEF VENTILATOR WITH INTEGRAL FACTORY BIRDSCREEN. PROVIDE FACTORY CURB, MINIMUM 12" HIGH, 12"x12" THROAT WITH 12x12 PLENUM DUCT DOWN FOR EXHAUST DUCT CONNECTION. NO SUBSTITUTIONS.
- PNV-2** ACCUREX MODEL XRBUB-161XP-15 KITCHEN FAN UPBLAST EXHAUST FAN W/CLEAN-OUT PORT, MOUNTED HINGE BASE, & AUTO BELT TENSIONER, SPARE BELT, & ROOF CURB W/VENTED CURB EXTENSION. 1500 CFM AT 2.33" SP, 1.5 HP MOTOR, 208 VOLTS, THREE PHASE FAN TO RUN CONTINUOUSLY DURING OCCUPIED MODE. NO SUBSTITUTIONS.
- PNV-3** ACCUREX MODEL XRBUB-141-7 KITCHEN FAN UPBLAST EXHAUST FAN W/CLEAN-OUT PORT, MOUNTED HINGE BASE, & AUTO BELT TENSIONER, SPARE BELT, & ROOF CURB W/VENTED CURB EXTENSION. 1500 CFM AT 1.00" SP, .75 HP MOTOR, 208 VOLTS, THREE PHASE FAN TO RUN CONTINUOUSLY DURING OCCUPIED MODE. NO SUBSTITUTIONS.
- PNV-4** ACCUREX MODEL XRBED-990-D CONDENSATE DOWNBLAST EXHAUST FAN WITH ROOF CURB AND BACKRAFT DAMPER. 350 CFM AT .6" SP, .0667 HP MOTOR, 115 VOLTS, SINGLE PHASE. FAN TO RUN W/STARTING OF DISHWASHER & FOR ONE MINUTE AFTER THE CYCLE IS COMPLETE. NO SUBSTITUTIONS.
- EF-1** ACCUREX MODEL XCBED-800 CEILING EXHAUST FAN, BACK DRAFT DAMPER, EXTEND EXHAUST DUCT TO GRAVITY RELIEF VENTILATOR. 220 CFM AT 1.25" SP, 115 VOLT, SINGLE PHASE. FAN TO BE INTERLOCKED WITH RESTROOM LIGHTS. NO SUBSTITUTIONS.
- EF-2** ACCUREX MODEL XCRB-850 CEILING EXHAUST FAN, BACK DRAFT DAMPER, EXTEND EXHAUST DUCT TO GRAVITY RELIEF VENTILATOR, WALL CAP FOR MOP BASIN FAN. 90 CFM AT 1.25" SP, 115 VOLT, SINGLE PHASE. FAN TO RUN OVER MOP BASIN. NO SUBSTITUTIONS.
- EF-3** ACCUREX MODEL XCRB-870 CEILING EXHAUST FAN, BACK DRAFT DAMPER, EXTEND EXHAUST DUCT TO GRAVITY RELIEF VENTILATOR. 70 CFM AT 1.00" SP, 115 VOLT, SINGLE PHASE. FAN TO BE INTERLOCKED WITH RESTROOM LIGHTS. NO SUBSTITUTIONS.
- EF-4** ACCUREX MODEL XCBED-865 CENTRAL EXHAUST FAN WITH ROOF CURB AND BACKRAFT DAMPER. 200 CFM AT 1.25" SP, 1100 HP MOTOR, 115 VOLTS, SINGLE PHASE. FAN TO RUN CONTINUOUSLY. NO SUBSTITUTIONS.
- ITEM #49 HOOD 2** GRIDDLE EXHAUST HOOD - ACCUREX MODEL XGEP-5-33S 64" x 26" x 36" HIGH, LOW PROXIMITY W/FLUE BYPASS. 1500 CFM AT 1.918" SP, 12" x 12" DUCT COLLAR, INCLUDES THE 3" INTEGRAL AIR SPACE ON BACK OF HOOD & AN ADDITIONAL 3" REAR FILLER PANEL. STAINLESS STEEL WHERE EXPOSED, W/ GREASE GRABBER TWO-STAGE FILTRATION SYSTEM. 26" HIGH ENCLOSURE PANELS, FRONT, LEFT AND RIGHT SIDES. GREASE TROUGH SHALL BE PITCHED TO THE LEFT END OF THE HOOD. APPROVALS SHALL INCLUDE UL LISTING AND THE NSF SEAL. THE VENTILATOR SHALL CONFORM TO THE REQUIREMENTS OF NFPA-96 & TO ALL PREVAILING LOCAL CODE REQUIREMENTS. NO SUBSTITUTIONS.
- ITEM #59 HOOD 1** FRYER EXHAUST HOOD - ACCUREX MODEL XXPB-FB-5-92-S 63" x 26" x 36" HIGH, LOW PROXIMITY W/FLUE BYPASS. 1500 CFM AT .518" SP, 12" x 12" DUCT COLLAR, INCLUDES THE 3" INTEGRAL AIR SPACE ON BACK OF HOOD & AN ADDITIONAL 3" REAR FILLER PANEL. STAINLESS STEEL WHERE EXPOSED, W/ X-TRACTOR STAINLESS STEEL FILTERS TWO-STAGE FILTRATION SYSTEM. 26" HIGH ENCLOSURE PANELS, FRONT, LEFT AND RIGHT SIDES. GREASE TROUGH SHALL BE PITCHED TO THE LEFT END OF THE HOOD. APPROVALS SHALL INCLUDE UL LISTING AND THE NSF SEAL. THE VENTILATOR SHALL CONFORM TO THE REQUIREMENTS OF NFPA-96 & TO ALL PREVAILING LOCAL CODE REQUIREMENTS. NO SUBSTITUTIONS.
- ITEM #25A HOOD 3** DISHWASHER CONDENSATE HOOD - ACCUREX MODEL XDS-3-LS CONDENSATE HOOD W/BAFFLE, 42" x 42" x 24" HIGH, STAINLESS STEEL WHERE EXPOSED. 350 CFM AT 1.27 SP, 7" x 7" DUCT COLLAR. COLLAR INCLUDE THE NSF SEAL. (UL LABEL NOT REQUIRED FOR NON-GREASE APPLICATION). THE VENTILATOR SHALL CONFORM TO THE REQUIREMENTS OF NFPA-96 & TO ALL PREVAILING LOCAL CODE REQUIREMENTS. NO SUBSTITUTIONS.

MECHANICAL EQUIPMENT SPECIFICATIONS



MARK	QUANTITY	MODEL NUMBER	SUPP. CNY	NECK	LOCATION	MATERIAL	NOTES
A	PRICE	ASCD	24 X 24	BEULIN	BEULIN	CEILING ALUMINUM	12
B	CARNES	RAMPF	24 X 24	BEULIN	24 X 24	CEILING ALUMINUM	12x8
C	PRICE	ASCD	18 X 18	BEULIN	18 X 18	CEILING ALUMINUM	12x8
D	PRICE	ASCD	12 X 8	BEULIN	12 X 8	CEILING ALUMINUM	12x8
E	PRICE	ASCD	12 X 8	BEULIN	12 X 8	CEILING ALUMINUM	12x8
F	CARNES	PROSE	24 X 24	BEULIN	24 X 24	CEILING ALUMINUM	12x8
G	PRICE	ASCD	12 X 8	BEULIN	12 X 8	CEILING ALUMINUM	12



REVISIONS	BY
04.08.22	EPD

APPROVED
Municipal and County Professional Activities
Professional Seal
Professional No. 12220
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GARLAND STEINBOCK, P.E.
115 N. MILITARY AVE.
SUITE 100
MIAMI, FL 33130

NEW FLORIDA BUILDING CODE
2020
Florida Building Code
Residential Code
2020
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New Free Standing
2855 Cheney Highway
Titusville, Florida 32780
Brevard County

Date: 07.18.22
Scale: AS NOTED
Project Mgr: DG
Drawn: BMD
Job: 21-209
Sheet

Reviewed for Code Compliance
Florida Building Code
City of Titusville, FL

11/07/2022 12:58:31 PM

FOR QUESTIONS, CALL THE
Florida National Accounts
REGION 60
PHONE: (407) 682-3100
EMAIL: reg60@hvacdirect.com

DOAS/RTU FAN SCHEDULE - JOB#5522771

FAN UNIT NO	TAG	QTY	DOAS/RTU MODEL #	MANUFACTURER	BLOWER RETURN AIR CFM	MAX OUTSIDE AIR CFM	TOTAL CFM	WEIGHT (LBS)	ELECTRIC INFORMATION		COOLING INFORMATION										REHEAT INFORMATION				ELECTRIC HEAT INFORMATION			NOTES										
									ESP	HP	VOLT	MCA	MOOP	DB	WB	DB	WB	DB	WB	DP	TOTAL	SENS	EER	ESMR	DB	WB	DESRED		MAX	MOISTURE REMOVAL RATE	DSGN KWS	MAX VOLTS	AMPS	TEMP ROSE				
1	RTU-1	1	CASRTU3-E452-24-20T-DOAS	CAPTIVEARE	24MF-3-RTU	3200	2000	5200	2593	0.500	5.00	3	208	87.9A	100A	84.8 F	80.0 F	78.7 F	69.7 F	53.3 F	53.2 F	53.2 F	264.0 MBH	142.7 MBH	18.2	6.0	70.0 F	59.8 F	97.7 MBH	129.6 MBH	113.4 LBS/HR	35	45	208	108.3	21	F	12,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18
2	RTU-2	1	CASRTU3-E452-24-20T-DOAS	CAPTIVEARE	24MF-3-RTU	3000	2000	5000	2593	0.500	5.00	3	208	87.9A	100A	84.8 F	80.0 F	78.9 F	70.1 F	53.1 F	53.0 F	53.0 F	264.0 MBH	139.3 MBH	18.2	6.0	70.0 F	59.8 F	95.1 MBH	129.6 MBH	113.4 LBS/HR	34	45	208	108.3	21	F	12,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18

- NOTES:
- INVERTER SCROLL COMPRESSOR WITH INTEGRATED OIL SENSOR. DIGITAL OR STAGED SCROLL NOT AN APPROVED EQUAL
 - DIRECT DRIVE PLENUM BLOWER. BELT DRIVEN BLOWERS ARE NOT ACCEPTABLE
 - INTEGRATED MONITORING VIA CELLULAR CONNECTION BY MANUFACTURER
 - REFRIGERATION PRESSURE MONITORING ON HIGH AND LOW PRESSURE SIDE OF SYSTEM INCLUDED THROUGH DIGITAL INTERFACE
 - EC MOTOR CONDENSING FANS
 - ELECTRONIC EXPANSION VALVE. TXV NOT ACCEPTABLE
 - SUCTON LINE ACCUMULATOR
 - FACTORY COMMISSIONING WITH 5 YEAR PARTS WARRANTY
 - AVERAGING INTAKE, EVAP AND DISCHARGE TEMPERATURE SENSORS (DISCHARGE SENSOR TO BE FACTORY MOUNTED WITHIN UNIT)
 - 2" EXTERIOR DUAL-WALL CONSTRUCTION W/ R-13 INSULATION-MINIMUM 200A EXTERIOR W/ 16GA BASE
 - SUPPLY CFM MONITORING INTEGRAL TO UNIT WITH CFM MEASUREMENT INCLUDED THROUGH DIGITAL INTERFACE
 - FULLY MODULATING HOT GAS REHEAT
 - 15 DEGREE LOW AMBIENT OPERATION
 - MAIM DISE RATE
 - HAL GUARD FOR CONDENSING COIL
 - RTU ECONOMIZER WITH FIXED ENTHALPHY CONTROL
 - BAROMETRIC RELIEF DAMPER

FAN OPTIONS

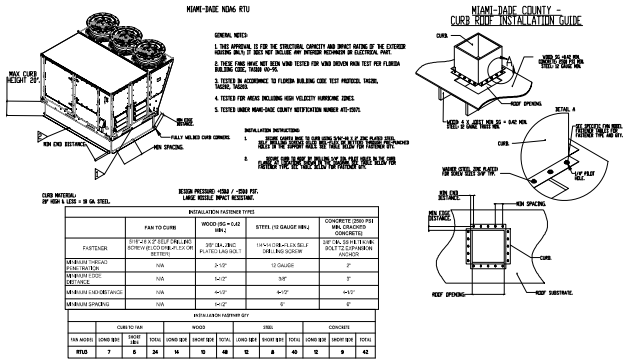
FAN UNIT NO	TAG	QTY	DESCRIPTION
1		1	RTU TOTAL CFM MONITORING
1		1	SEPARATE ELECTRIC HEAT CONNECTION - RTU 750VA TRANSFORMER USED FOR CONTROLS. TWO PRIMARY CONNECTIONS REQUIRED FOR RTU WITH ELECTRIC HEAT. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "NA", OR "EZ" PREWIRE OPTION MUST BE SELECTED. DO NOT PROVIDE SUPPLY STARTERS IN PREWIRE.
1		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
1		1	LOW AMBIENT COOLING OPERATION - DOWN TO 15F AMBIENT
1		1	2" MERV 13 FILTERS FOR RTUS (QTY. 4)
1		1	2" MERV 8 FILTERS FOR RTUS (QTY. 4)
1		1	OVERHEAT STAT
1		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
1		1	RTUS DOWN DISCHARGE ELECTRIC HEAT, 5-60KW
1		1	20 TON MODULATING COOLING OPTION, 208/230V. R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR. ECM CONDENSING FANS
1		1	20 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL
1		1	REMOTE TEMPERATURE AND HUMIDITY SPACE SENSOR
1		1	RTUS CURB DUCT HANGER
1		1	RTU RETURN MOUNTED SMOKE DETECTOR AND SAMPLING TUBE - FACTORY INSTALLED
1		1	RTUS MAIM DISE CERTIFICATION
1		1	OCCUPIED SCHEDULING
1		1	RTUS CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J-BOX
1		1	RTUS ECONOMIZER BAROMETRIC RELIEF
1		1	RTUS HAL GUARD
1		1	RTU ECONOMIZER - FIXED ENTHALPHY CONTROL
1		1	RTU INTAKE/RETURN DAMPER - MANUAL CONTROL VIA HIM
1		1	VAV PACKAGE W/ MANUAL/DOO CONTROL (571 VFD INCLUDED)
1		1	RTUS DOWN RETURN
1		1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEARE SERVICE CONTRACT
1		1	RTU TOTAL CFM MONITORING
1		1	SEPARATE ELECTRIC HEAT CONNECTION - RTU 750VA TRANSFORMER USED FOR CONTROLS. TWO PRIMARY CONNECTIONS REQUIRED FOR RTU WITH ELECTRIC HEAT. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "NA", OR "EZ" PREWIRE OPTION MUST BE SELECTED. DO NOT PROVIDE SUPPLY STARTERS IN PREWIRE.
1		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
1		1	LOW AMBIENT COOLING OPERATION - DOWN TO 15F AMBIENT
1		1	2" MERV 13 FILTERS FOR RTUS (QTY. 4)
1		1	2" MERV 8 FILTERS FOR RTUS (QTY. 4)
1		1	OVERHEAT STAT
1		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
1		1	RTUS DOWN DISCHARGE ELECTRIC HEAT, 5-60KW
1		1	20 TON MODULATING COOLING OPTION, 208/230V. R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR. ECM CONDENSING FANS
1		1	20 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL
1		1	REMOTE TEMPERATURE AND HUMIDITY SPACE SENSOR
1		1	RTUS CURB DUCT HANGER
1		1	RTU RETURN MOUNTED SMOKE DETECTOR AND SAMPLING TUBE - FACTORY INSTALLED
1		1	RTUS MAIM DISE CERTIFICATION
1		1	OCCUPIED SCHEDULING
1		1	RTUS CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J-BOX
1		1	RTUS ECONOMIZER BAROMETRIC RELIEF
1		1	RTUS HAL GUARD
1		1	RTU ECONOMIZER - FIXED ENTHALPHY CONTROL
1		1	RTU INTAKE/RETURN DAMPER - MANUAL CONTROL VIA HIM
1		1	VAV PACKAGE W/ MANUAL/DOO CONTROL (571 VFD INCLUDED)
1		1	RTUS DOWN RETURN
1		1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEARE SERVICE CONTRACT

SYSTEM DESIGN VERIFICATION (SDV)

IF ORDERED, CAS SERVICE WILL PERFORM A SYSTEM DESIGN VERIFICATION (SDV) ONCE ALL EQUIPMENT HAS HAD A COMPLETE START UP PER THE OPERATION AND INSTALLATION MANUAL. TYPICALLY, THE SDV WILL BE PERFORMED AFTER ALL INSPECTIONS ARE COMPLETE.

ANY FIELD RELATED DISCREPANCIES THAT ARE DISCOVERED DURING THE SDV WILL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CORRESPONDING TRADES ON SITE. THESE ISSUES WILL BE DOCUMENTED AND FORWARDED TO THE APPROPRIATE SALES OFFICE. IF CAS SERVICE HAS TO RESOLVE A DISCREPANCY THAT IS A FIELD ISSUE, THE GENERAL CONTRACTOR WILL BE NOTIFIED AND BILLED FOR THE WORK. SHOULD A RETURN TRIP BE REQUIRED DUE TO ANY FIELD RELATED DISCREPANCY THAT CANNOT BE RESOLVED DURING THE SDV, THERE WILL BE ADDITIONAL TRIP CHARGES.

DURING THE SDV, CAS SERVICE WILL ADDRESS ANY DISCREPANCY THAT IS THE FAULT OF THE MANUFACTURER. SHOULD A RETURN TRIP BE REQUIRED, THE GENERAL CONTRACTOR AND APPROPRIATE SALES OFFICE WILL BE NOTIFIED. THERE WILL BE NO ADDITIONAL CHARGES FOR MANUFACTURER DISCREPANCIES.



CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	RTU-1	78 LBS	CURB	59.500" W x 91.000" L x 14.000" H 0.250x0.2000 PITCH ALONG WIDTH, RIGHT INSULATED.
2	# 2	RTU-2	78 LBS	CURB	59.500" W x 91.000" L x 14.000" H 0.250x0.2000 PITCH ALONG WIDTH, RIGHT INSULATED.

REVISIONS	BY
04.18.22	BMD

MANUFACTURED BY
FLORIDA NATIONAL ACCOUNTS
REGION 60
1100 Highway 170, Titusville, FL 32781
Phone: (407) 682-3100
www.floridacooling.com



New Free Standing
2855 Cheney Highway
Titusville, Florida 32780
Brevard County

Date: 07.18.22
Scale: AS NOTED
Project Mgr: DG
Drawn: BMD
Job: 21-209


Reviewed for Code Compliance
Florida Building Code
City of Titusville, FL

11/07/2022 12:58:32 PM


FAN #1 CASRTU3-E-152-24MF-20T-DOAS - HEATER (RTU-1)

FAN #2 CASRTU3-E-152-24MF-20T-DOAS - HEATER (RTU-1)

NOTES:

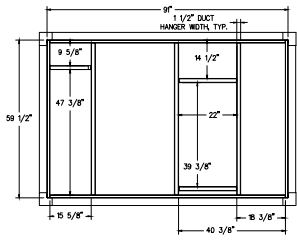
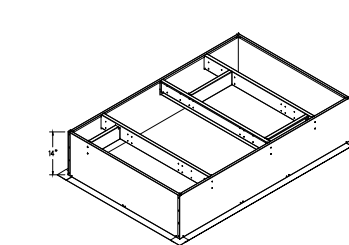
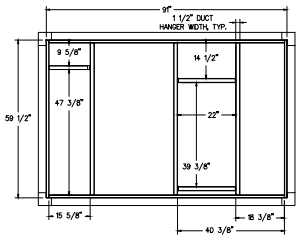
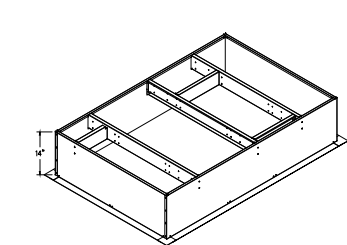
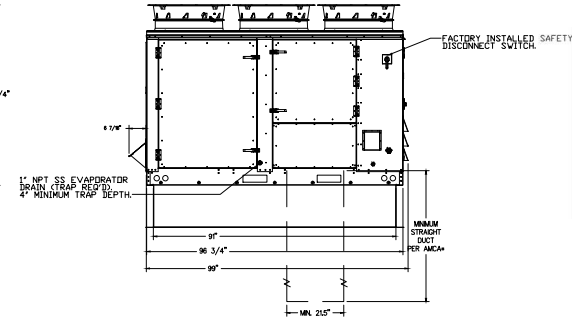
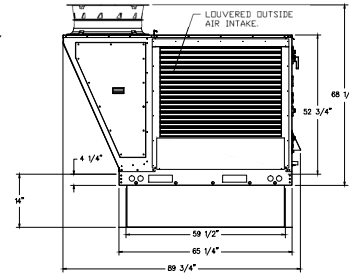
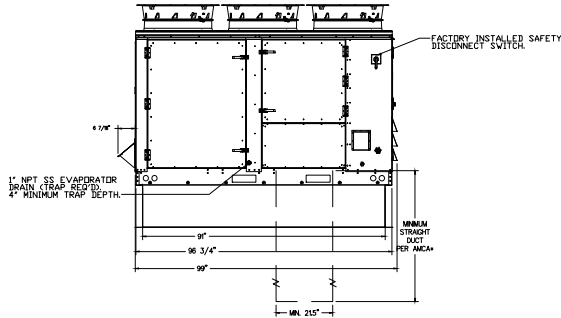
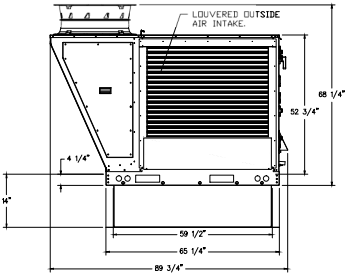
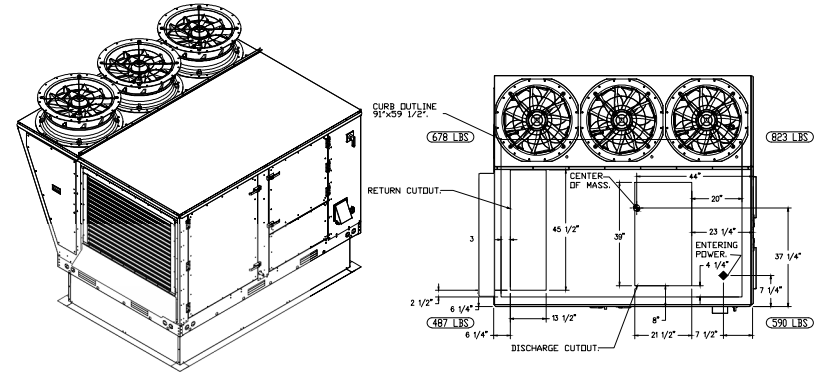
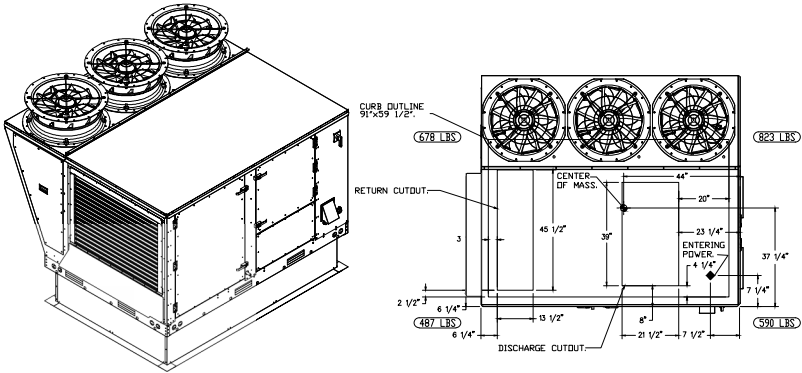
- DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
-  DENOTES CORNER WEIGHT.
- ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.

NOTES:

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-  DENOTES CORNER WEIGHT.
- ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.

*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201 WHEN USING RECTANGULAR DUCTWORK. ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT.
 SUGGESTED STRAIGHT DUCT SIZE IS 21 1/2" x 39".

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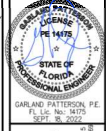


RTU DETAILS
 SCALE: NONE

REVISIONS	BY
04.18.22	BMD

APPROVED:
 [Signature]
 Manager of Building Department Activities
 110 Washington Blvd., Titusville, FL 32780
 Phone: 321.257.1200
 www.cityoftitusville.com

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MDI FLORIDA, INC.
 2855 Cheney Highway
 Titusville, Florida 32780
 Phone: 321.257.1200
 Fax: 321.257.1201

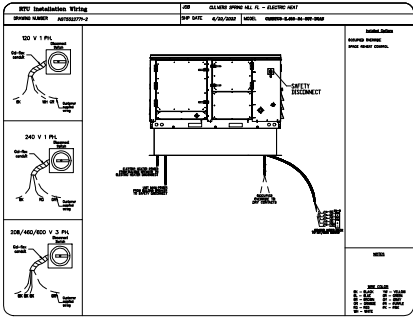
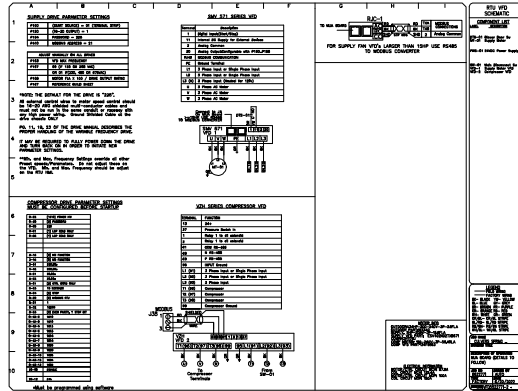
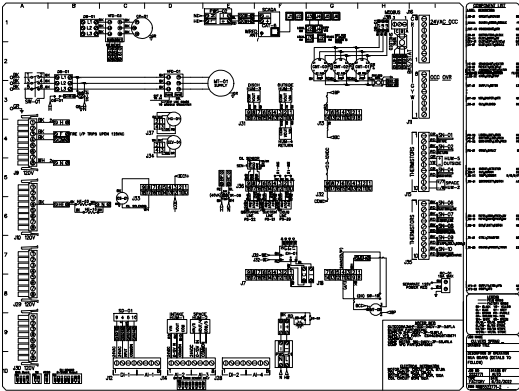
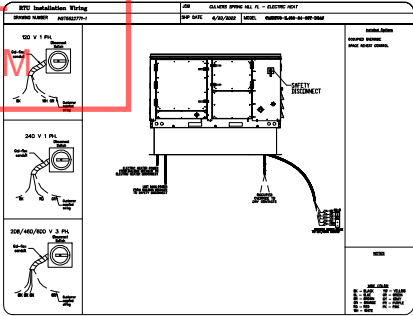
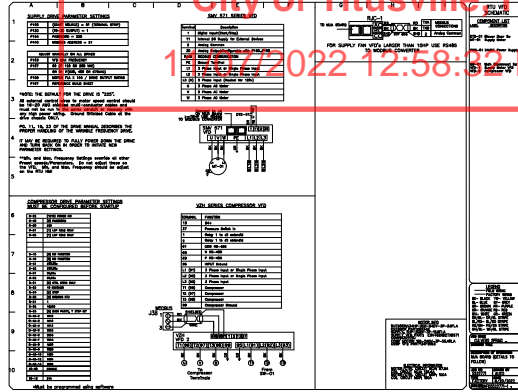
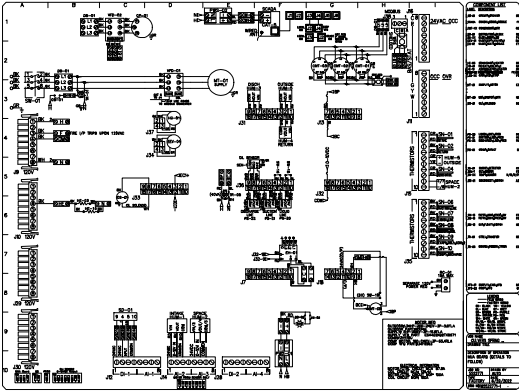
New Free Standing
Calvert's
 2855 Cheney Highway
 Titusville, Florida 32780
 Brevard County

Date: 07.18.22
 Scale: AS NOTED
 Project Mgr: DG
 Drawn: BMD
 Job: 21-209

Sheet
M7

Reviewed for Code Compliance
 Florida Building Code
 City of Titusville, FL

11/07/2022 12:58:32 PM



REVISIONS	BY
6-10-22	BMD

ALL INFORMATION CONTAINED
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GARY LEE PETERSON, P.E.
 1115 N.W. 14TH ST.
 SUITE 200
 MIAMI, FL 33136
 (305) 371-1111
 www.garylee.com



New Free Standing
Electric
 2855 Cheney Highway
 Titusville, Florida 32780
 Brevard County

Date: 07.18.22
 Scale: AS NOTED
 Project Mgr: DG
 Drawn: BMD
 Job: 21-209

Sheet
M8

RTU WIRING
 SCALE: NONE

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	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

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

HOOD NO.	MARK	LIGHTING DETAILS			GREASE FILTRATION DETAILS			UTILITY CABINET(S)								
		FIXTURE TYPE	BULB / LAMP INFO	QTY	FOOT CANDLES	TYPE / MODEL	MATERIAL	QTY	SIZE (IN.)		LOCATION	FIRE SYSTEM		CONTROLS		
									L	H		TYPE	SIZE	MODEL	INTERFACE	
1	GRIDDLE HOOD					GREASE GRABBER	4	16	16							
						STAINLESS STEEL	0	20	20							

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

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

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

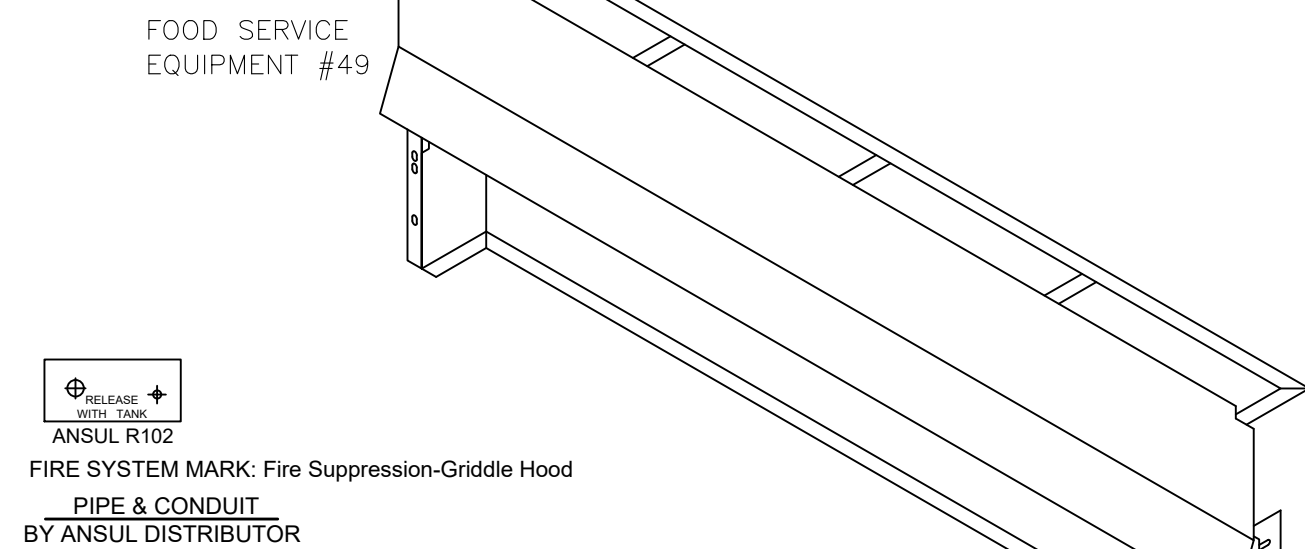
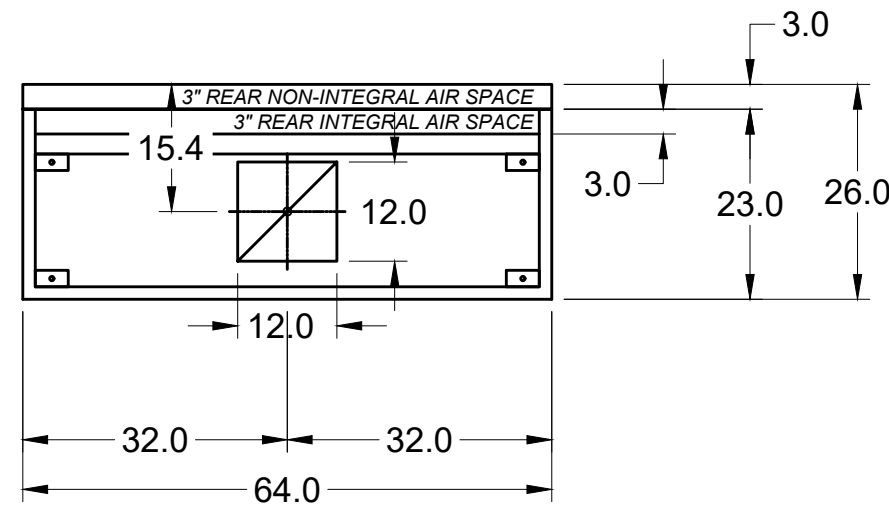
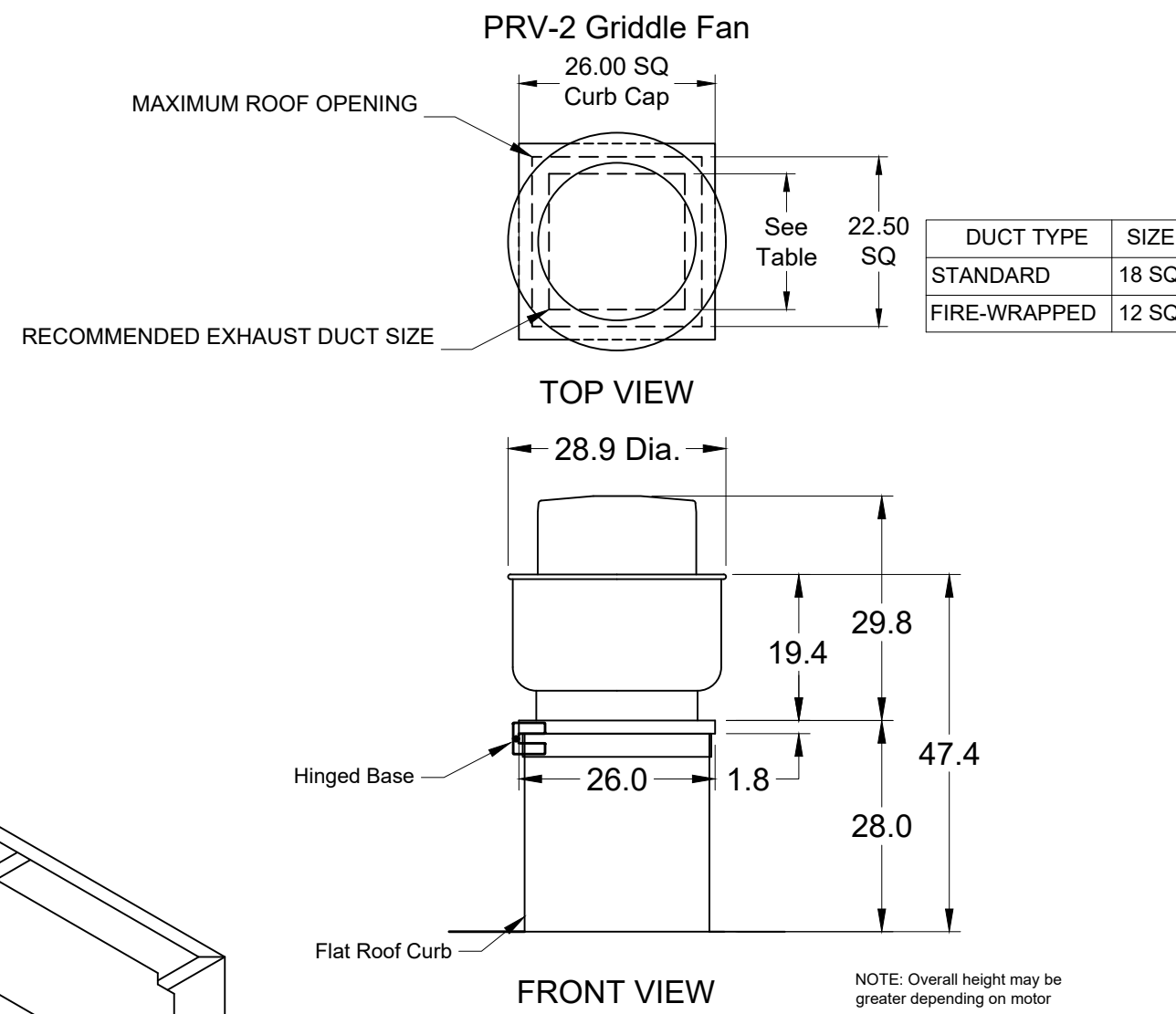
SDR #K1800144 - CULVERS 4VAT 2FIRE PROCESS - GRIDDLE HOOD

MARK 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	1,705	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



MUST USE WITH MAGIKITCH'N MODEL MKG-C-60

60" MAGIKITCH'N GRIDDLE FLUE ADAPTER

VERIFY MAGIKITCHEN OR ANETS GRILL

