

# CONTROL NOTES

- I. RTU-1, RTU-2, & RTU-0A WILL SHUT-DOWN UPON ACTIVATION OF FIRE SUPPRESSION SYSTEM.
- 2. RTU-1, RTU-2, & RTU-0A WILL SHUT-DOWN ON ACTIVATION OF ANY DUCT DETECTOR.
- 3. OCCUPIED MODE: FANS IN RTU-1 & RTU-2, EXHAUST FANS PRV-2, 3, & 4 TO RUN CONTINUOUSLY. RESTROOM EXHAUST TO BE
- 4. UNOCCUPIED MODE: FANS IN RTU-1 & RTU-2 TO RUN ONLY WHEN COOLING OR HEATING IS CALLED FOR
- 5. RTU-0A SHALL BE INTERLOCKED WITH RTU-1 AND RTU-2 VIA LENNOX CONTROLS TO ASSURE SIMULTANEOUS OPERATION. COORDINATE
- ALL CONTROLS REQUIREMENTS WITH LENNOX PRIOR TO BID SUBMISSION.

### LENNOX SETTINGS FOR CULVERS

Parameter 3.01 HEAT DELAY NEEDS TO BE SET TO "DISABLED". CONTROL PARAMETER 3.01=0 Pg. 92 ECONOMIZER DIP SWITCHES A56 (EMI) NEED TO BE SET TO "GLOBAL" MODE. 1=ON 2=OFF (PG. 5 FIG. 8) ECONOMIZER MIN POSITION POTENTIOMETER NEEDS TO BE DETERMINED AND SET BY AIR BALANCER. (Pg. 52 FIG 33) BOTH THE THERMOSTAT AND THE HOOD FANS MUST BE TIED INTO TBI TERMINAL 849 FOR OCC/UNOCC CONTROL. FRESH AIR TEMPERING (HEATING) CONTROL PARAMETER 6.20=160 "-55F" (KITCHEN IS USUALLY IN COOLING MODE) (PARAMETER 6.20 Pg 99± x 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 A56 (EMI) NEED TO BE SET TO ECONOMIZER TYPE PURCHASED/INSTALLED. 1=? 2=? (Pg 5 FIGURE 8)

ECONOMIZER MIN POSITION POTENTIOMETER NEEDS TO BE DETERMINED AND SET BY AIR BALANCER. (Pg 52 FIGURE 33) THE THERMOSTAT MUST BE TIED INTO TBI TERMINAL 849 FOR OCC/UNOCC CONTROL FRESH AIR TEMPERING (HEATING) CONTROL PARAMETER 6.20=142 "68F" (ROOM NEUTRAL)

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.

(PARAMETER 6.20 PAGE 99± x CHARTS PAGE 109)

NOTE : VERIFY ALL COLORS WITH OWNER AND ARCHITECT

## NATIONAL ACCOUNT PROGRAM

LENNOX INDUSTRIES, INC. - ROOFTOP HVAC EQUIPMENT

National Account Technical Support: (800) 367-6285 Option #2 lennoxind.com

2. ACCRUREX/ GREENHECK FAN CORPORATION - KITCHEN HOODS, EXHAUST FANS,

ROOF CURBS, ANSUL SYSTEMS, AND ACCESSORIES

CONTACT Patrick Smith @ 1-612-670-2938 OR patrick.smith@accurex.com

CARNES COMPANY - DIFFUSERS AND GRILLES

National Accounts Rep: Brian Baker @ (608) 845-6411 bbaker@carnes.com National Accounts Sales: Chris Stratton @ (608) 845-6411 cstratton@carnes.com

> NOTE: THE INSTALLATION OF THIS STAND AND ALL COMPONENTS SHALL BE PER

THE PRODUCT APPROVAL RATING FOR

REFRIGERATION CONDENSER

THE STAND AND ASSEMBLY.

16 GAUGE BY 2

GALVANIZED STEEL

STRAP SECURED TO

UNIT FRAME WITH TWO 3/4

WITH TWO 11/2" SCREWS.

BETWEEN SCREWS AND

STRAPS, TWO PER SIDE,

PROVIDE WASHERS

TYPICAL.

SCREWS AND TO STAND

LENNOX LCH-156-H4B COMBINATION ELECTRIC HEATING AND ELECTRIC COOLING ROOFTOP UNIT w/HUMIDITROL AND FACTORY UNT MOUNT ELECTRIC 15.0 KW HEATER. UNIT FED 1000 CFM OF PRE-TREATED OUTSIDE AIR FROM RTU-OA. BALANCE RETURNS PER PLANS. 152,000 NET. COOLING CAPACITY, 12.0 EER. 208 / 230 VOLT, 3 PHASE, 70.0 AMPS & DRIVE KIT 1. UNIT WEIGHT IS 2,130lbs. BLOWER MOTOR SET FOR NOMINAL 5,200 CFM & FRESH AIR INTAKE DAMPER SET FOR MINIMUM 900 CFM. PROVIDE MANUFACTURES' 18" HIGH ROOF CURB, TWO STAGE CONTROL, DUCT DISCHARGE CONTROL, IN-DUCT SMOKE DETECTORS, BELT TENSIONER WITH SPARE BELT, MERV 4 FILTERS, LOOSE SHIPPED CONDENSATE TRAP AND HONEYWELL OR EQUAL T7350 NIGHT SET BACK THERMOSTAT AND DISCONNECT SWITCH. MOTORIZED OUTSIDE AIR INTAKE DAMPER. NO ECONOMIZER.

LENNOX LCH-156-H4B COMBINATION ELECTRIC HEATING AND ELECTRIC COOLING ROOFTOP UNIT w/HUMIDITROL AND FACTORY UNT MOUNT ELECTRIC 15.0 KW HEATER. UNIT FED 1000 CFM OF PRE-TREATED OUTSIDE AIR FROM RTU-OA. BALANCE RETURNS PER PLANS. 152,000 NET COOLING CAPACITY, 12.0 EER. 208 / 230 VOLT, 3 PHASE, 70.0 AMPS & DRIVE KIT 1. UNIT WEIGHT IS 2,130lbs. BLOWER MOTOR SET FOR

NOMINAL 5,000 CFM & FRESH AIR INTAKE DAMPER SET FOR MINIMUM 950 CFM. PROVIDE MANUFACTURES' 18" HIGH ROOF CURB, TWO STAGE CONTROL, DUCT DISCHARGE CONTROL, IN-DUCT SMOKE DETECTORS, BELT TENSIONER WITH SPARE BELT, MERV 4 FILTERS, LOOSE SHIPPED CONDENSATE TRAP AND HONEYWELL OR EQUAL T7350 NIGHT SET BACK THERMOSTAT AND DISCONNECT SWITCH. MOTORIZED OUTSIDE AIR INTAKE DAMPER. NO ECONOMIZER. NO SUBSTITUTIONS.

LENNOX LCH-156-H4B COMBINATION ELECTRIC HEATING AND ELECTRIC COOLING ROOFTOP UNIT w/HUMIDITROL AND FACTORY UNT MOUNT ELECTRIC

152,000 NET COOLING CAPACITY, 12.0 EER. 208 / 230 VOLT, 3 PHASE, 90.0 AMPS & DRIVE KIT 1. UNIT WEIGHT IS 2,130lbs. BLOWER MOTOR SET FOR SUPPLY FAN TOTAL FLOW 3250 CFM. 1250 CFM BALANCE BYPASS TO BLEND WITH 2000 CFM OUTSIDE AIR. 2000 CFM THEN DELIVERED TO RTU'S. NOMINAL 2,000 CFM 100% OA UNIT, PROVIDE MANUFACTURES' 18" HIGH ROOF CURB, RUSKIN MODEL #50-307-52 BYPASS MIXING BOX. PROVIDE MIXING BOX SUPPORT. CONTROL, DUCT DISCHARGE CONTROL, IN-DUCT SMOKE DETECTORS, BELT TENSIONER WITH SPARE BELT, MERV 4 FILTERS, LOOSE SHIPPED PROVIDE FRESH AIR TEMPERING. MOTORIZED OUTSIDE AIR INTAKE DAMPER.

CONDENSATE TRAP & HONEYWELL OR EQUAL DISCHARGE TEMP CONTROLLER AND DISCONNECT SWITCH. INTERLOCK WITH RTU-1 AND RTU-2. NO SUBSTITUTIONS.

<u>Greenheck model **FGR**</u> 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.

30.0 KW HEATER. UNIT FEEDS 1000 CFM OF PRE-TREATER OUTSIDE TO RTU-1 AND RTU-2.

PRV - 2 ACCUREX MODEL XRUB-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, (ITEM #49) THREE PHASE FAN TO RUN CONTINUOUSLY DURING OCCUPIED MODE. NO SUBSTITUTIONS.

PRV - 3 ACCUREX MODEL XRUB-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, (ITEM #59) THREE PHASE FAN TO RUN CONTINUOUSLY DURING OCCUPIED MODE. NO SUBSTITUTIONS.

<u>accurex model **XRED-090-D**</u> condensate downblast exhaust fan with roof curb and backdraft 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 (ITEM #25) IS COMPLETE. NO SUBSTITUTIONS.

EF - 1 ACCUREX MODEL XCR-A200 CEILING EXHAUST FAN, BACK DRAFT DAMPER. EXTEND EXHAUST DUCT TO GRAVITY RELIEF VENTILATOR. 220 CFM AT .125" SP, 115 VOLT, SINGLE PHASE. FAN TO BE INTERLOCKED WITH RESTROOM LIGHTS. NO SUBSTITUTIONS.

ACCUREX MODEL XCR-B50 CEILING EXHAUST FAN, BACK DRAFT DAMPER. EXTEND EXHAUST DUCT TO GRAVITY RELIEF VENTILATOR, WALL CAP FOR MOP BASIN FAN. EF - 2 50 CFM AT .125" SP, 115 VOLT, SINGLE PHASE. INDEPENDENT SWITCH FOR FAN OVER MOP BASIN. NO SUBSTITUTIONS.

ACCUREX MODEL XCR-B70 CEILING EXHAUST FAN, BACK DRAFT DAMPER. EXTEND EXHAUST DUCT TO GRAVITY RELIEF VENTILATOR.

70 CFM AT .100" SP, 115 VOLT, SINGLE PHASE. FAN TO BE INTERLOCKED WITH RESTROOM LIGHTS. NO SUBSTITUTIONS.

EF - 4 ACCUREX MODEL XRED-065 CENTRIFUGAL EXHAUST FAN WITH ROOF CURB AND BACKDRAFT DAMPER.

200 CFM AT .125" SP, 1/100 HP MOTOR, 115 VOLTS, SINGLE PHASE. FAN TO RUN CONTINUOUSLY. NO SUBSTITUTIONS. 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.

NO SUBSTITUTIONS.

FRYER EXHAUST HOOD - ACCUREX MODEL XXEP-FB-6.92-S 83" 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

NO SUBSTITUTIONS.

(HOOD 1)

ITEM #25A

(HOOD 3)

DISHWASHER CONDENSATE HOOD - ACCUREX MODEL XD3-3.5-S CONDENSATE HOOD w/BAFFLE, 42" X 42" X 24" HIGH, STAINLESS STEEL WHERE EXPOSED. 350 CFM AT .127 SP, 7 x 7 DUCT COLLAR. COLLAR. APPROVALS SHALL 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

MECHANICAL EQUIPMENT SPECIFICATIONS

LOCAL CODE REQUIREMENTS. NO SUBSTITUTIONS.

-PACKAGED AIR

CONDITIONER.

- ROOF CURB

SECURE RTU

TO CURB WITH #14

PER SHORT SIDE.

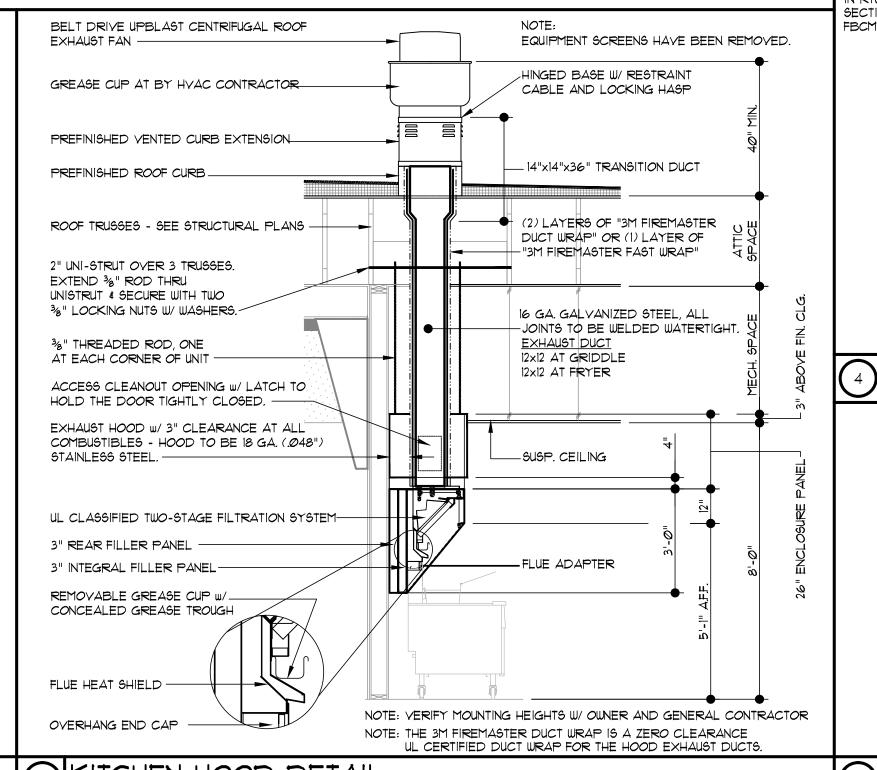
WOOD TRUSSES

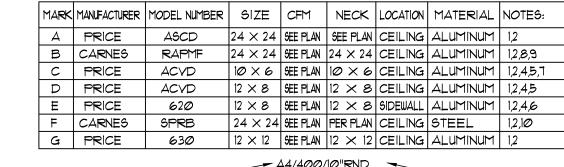
ROOF DECK.

SCREWS WITH WASHERS.

PROVIDE THREE PER

LONG SIDE AND TWO



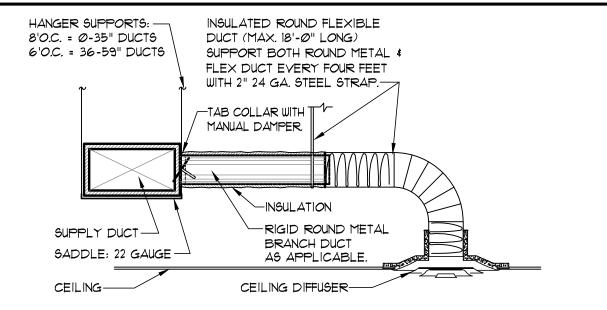


SIZE THROW—CFM—NECK/FLEX CONNECTION SIZE—

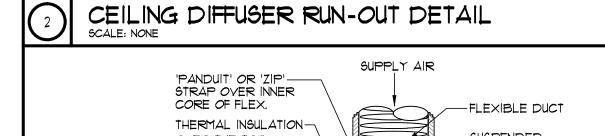
I. PROVIDE MANUAL VOLUME DAMPER AT MAIN TRUNK FOR BALANCING. 2. GRILLE FACE FINISH SHALL BE OFF-WHITE. 3. GRILLE FACE SHALL BE FIXED BLADE ON  $^34$ " SPACING WITH FILTER BACK 4. PROVIDE PRE-FAB R-6 INSULATED GRILLE BOX WITH TAB COLLAR. 5. GRILLE FACE SHALL BE ADJUSTABLE CURVED BLADE. NO STAMPED GRILLES ACCEPTED 6. GRILLE FACE SHALL BE DOUBLE DEFLECTION TYPE. NO STAMPED GRILLES ACCEPTED. 1. PROVIDE SURFACE MOUNT FRAME AND INSTALL IN GYP CEILING.

8. FLAT BLACK FINISH 9. GRILLE FACE SHALL BE 1/2" x 1/2" ALUMINUM CUBE CORE. 10. GRILLE SHALL BE PERFORATED FACE LAY-IN TYPE, NON-DIRECTIONAL.

AIR DISTRIBUTION SCHEDULE



- HANGER SUPPORTS SHALL BE AS NOTED ABOVE FOR DUCT WIDTHS UP TO 24" AND WITH TRAPEZE HANGERS FOR DUCTS 25" AND ABOVE.

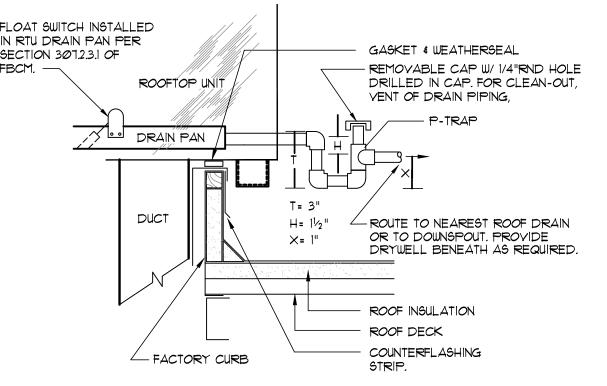


SUSPENDED-OVER THE TOP CEILING OF THE DIFFUSER. (AS APPLICABLE) CEILING DIFFUSER -

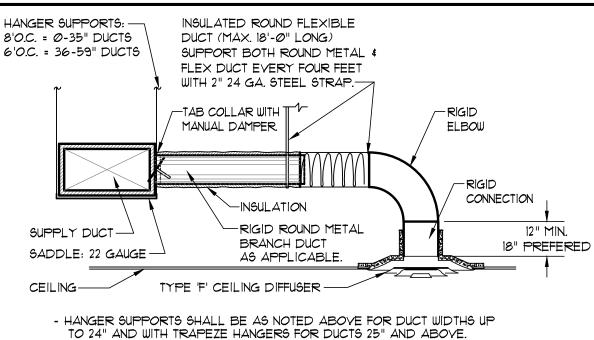
- TAPE INNER COIL OF FLEX TO THE DIFFUSER

AN AIR TIGHT SEAL OR USE 'ZIP' STRAP AROUND INNER CORE OF FLEX. USE METAL BAND CLAMP WHERE REQUIRED BY LOCAL AUTHORITY - PULL FLEX INSULATION AND OUTER COVER DOWN OVER GRILLE COLLAR AND SECURE TO GRILLE WITH TAPE ONLY, DO NOT USE STRAP OR OTHER METHOD WHICH WILL COMPRESS INSULATION. - STRETCH FLEX TIGHT BETWEEN DUCT AND DIFFUSER TO AVOID KINKS. SUPPORT EVERY FOUR FEET WITH 2" STEEL STRAP OR OTHER APPROVED HANGER.

CEILING DIFFUSER DETAIL SCALE: NONE







TYPE 'F' CEILING DIFFUSER RUN-OUT DETAIL

Date: 04. 13. 22 Scale: AS NOTED Project Mgr: DG Drawn: BMD BMD

Sheet

REFRIGERATION CONDENSER TIE-DOWN DETAIL

- COORDINATE WITH THE STRUCTURE AND THE

- THIS DETAIL IS PROVIDED FOR FLORIDA

INSTALLATION OF STANDS.

GENERAL CONTRACTOR PRIOR TO ORDER OR

HURRICANE 146 MPH TIE-DOWN COMPLIANCE.

(8) RTU TIE-DOWN DETAIL

- SET PACKAGED AIR CONDITIONER ON CURB AND

SCREWS PER LONG SIDE OF UNIT AND TWO

THIS DETAIL IS PROVIDED FOR FLORIDA

HURRICANE 146 MPH TIE-DOWN COMPLIANCE. PROVIDE WASHERS BETWEEN SCREWS/BOLTS

SECURE AS INDICATED ABOVE WITH AT LEAST THREE

18" HIGH SO RTU IS AT LEAST 8" ABOVE FINISHED ROOF

· ALL STRUCTURAL ELEMENTS BY GENERAL CONTRACTOR.

SECURING OF CURB TO STRUCTURE SHALL BE BY

SURFACE WITH NO ROOFING BENEATH CURB PER FBC 1509.7.

PER SHORT SIDE OF UNIT. CURB SHALL BE MINIMUM

SECURE ROOF CURB

UNISTRUT AT TRUSS

WITH 3/ THREADED

ROD WITH WASHERS

AND LOCKING NUTS.

MEMBERS UNDER UNIT.

CORNER AND CENTER

AND STRAPS, TYPICAL.

GENERAL CONTRACTOR.

SPAN ALL TRUSS

SECURE CURB TO

OF EACH SIDE. —

4" UNISTRUT

UNISTRUT AT EACH

PREFABRICATED ALUMINUM CONDENSER

STAND BY MIAMI TECH, INC. MIAMI DADE

NOA HAVE BEEN PROVIDED.

SECURE STAND TO DECK

BLOCKING WITH (4) 5/8" + X

EACH STAND LEG LOCATION

WOOD ROOF JOISTS - SEE

STRUCTURAL DRAWINGS

NOTE: THE PRODUCT APPROVAL

INFORMATION LISTS ALLOWABLE DESIGN

PRESSURES. THIS ENGINEER IS CERTIFYING

BY SIGNATURE AND SEAL ON THIS PLAN

THAT THE COMPLETED INSTALLATION

WHEN INSTALLED PER THE PRODUCT

APPROVAL COMPLIES WITH FLORIDA

HURRICANE 146 MPH WIND FORCE TIE-

DOWN REQUIREMENTS.

2 X 6 WOOD STUD BLOCKING - AT

3 1/2" LONG LAG SCREWS

EACH MOUNTING LEG.

AND 2 × 6 WOOD STUD

TO STRUCTURE WITH 4"

TIKITCHEN HOOD DETAIL

REVISIONS

DZZ OLIVERI A
INFORMATION
THIS DRAWIN
SOLE PROPER
OLIVERI ARCHI

PE 14475

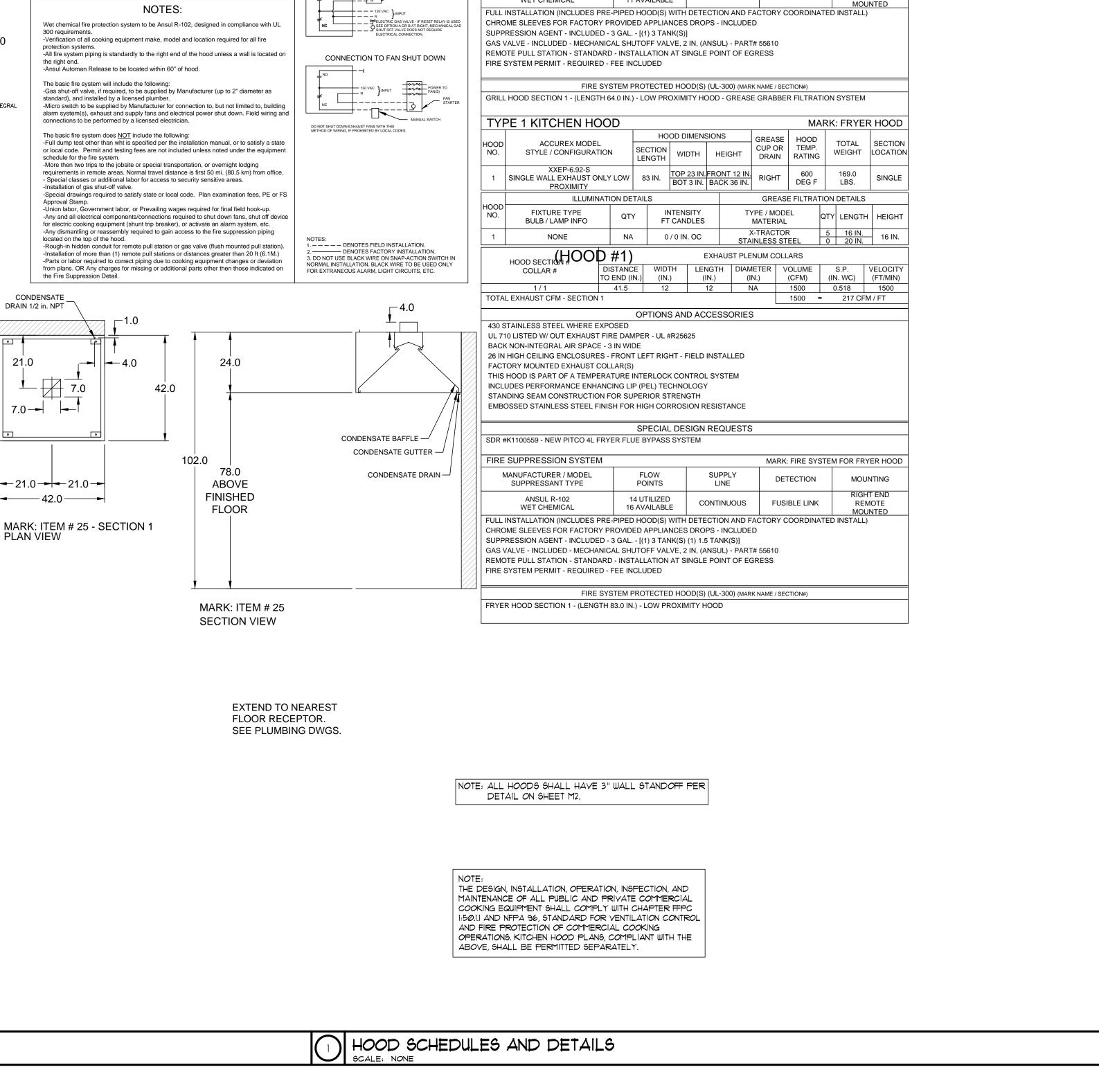
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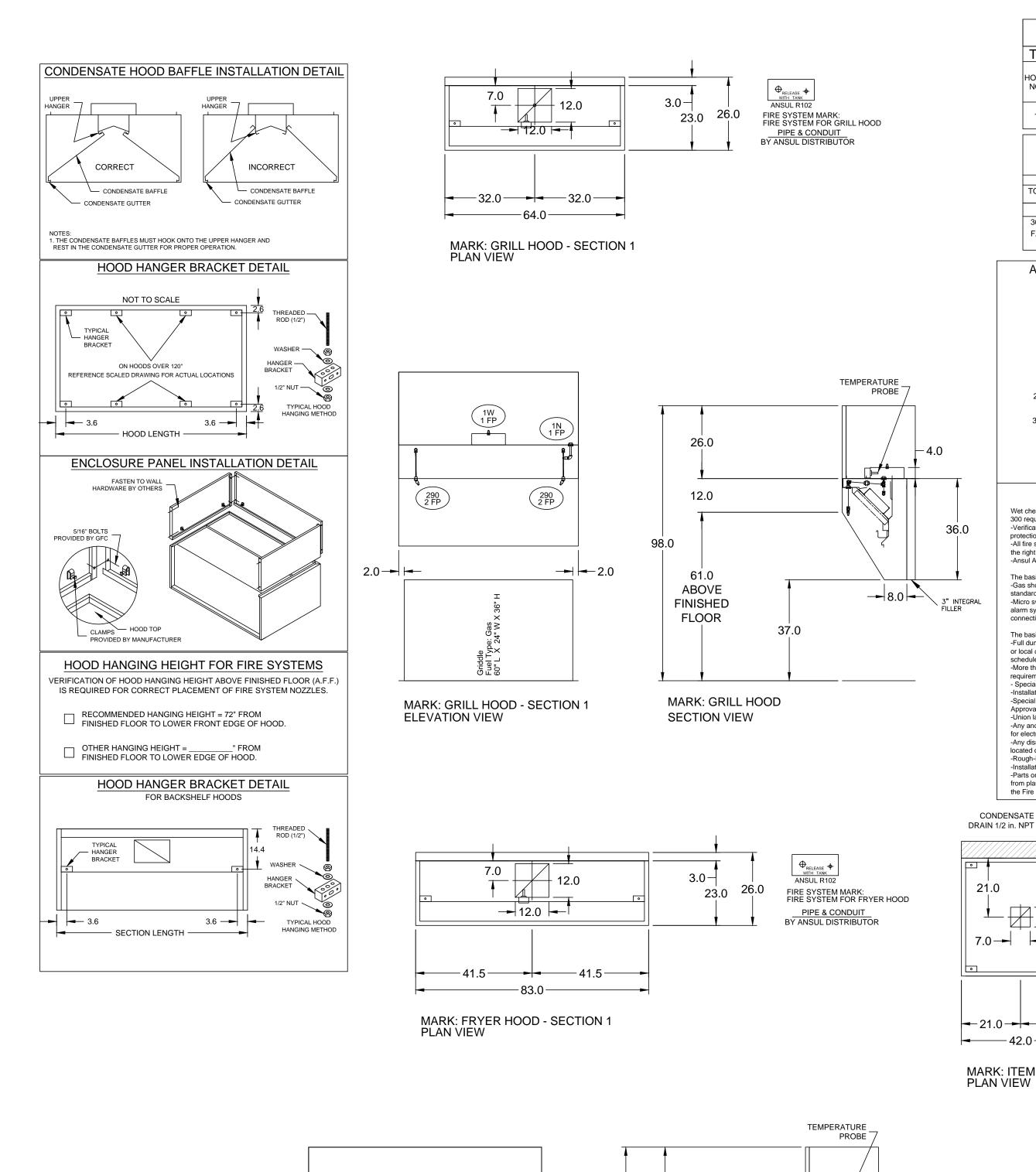
CORIDA.

GARLAND PATTERSON, F

FL Lic. No.: 14175 <u>APR</u>. 13, 2022

Job: 21-244





26.0

12.0

61.0 **ABOVE** 

**FINISHED FLOOR** 

MARK: FRYER HOOD

SECTION VIEW

98.0

MARK: FRYER HOOD - SECTION 1

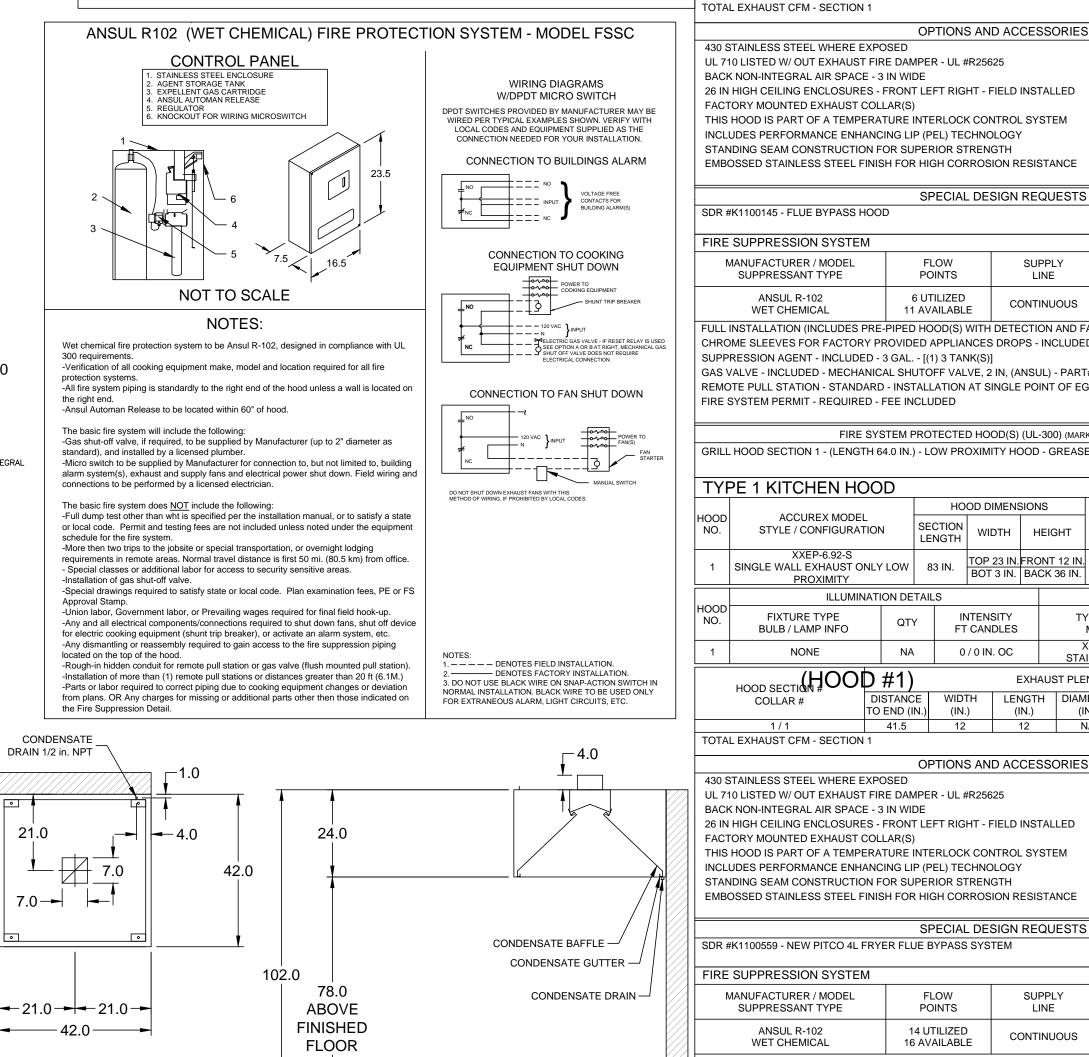
**ELEVATION VIEW** 

NOTE: COOKING EQUIPMENT SHALL BE INSTALLED AND

VENTED IN ACCORDANCE WITH FBCM & NFPA 96.

36.0

3.0



MARK: ITEM # 25 | TYPE

TOTAL | SECTION HOOD

WEIGHT LOCATION NO.

LBS.

(IN.) (CFM) (IN. WC) (FT/MIN)

350.0 ≈ 100.0 CFM / FT

NA

GREASE HOOD

CUP OR TEMP.

DRAIN RATING

(IN.) (IN.) (CFM) (IN. WC) (F 7 NA 350 0.127

RIGHT

EXHAUST PLENUM COLLARS

DISTANCE WIDTH LENGTH DIAMETER VOLUME S.P. VELOCITY

**EQUIPMENT SCHEDULE** 

OPTIONS AND ACCESSORIES

LENGTH

(IN.)

CONDENSATE HOOD - DOUBLE | 42.0 IN. | 42 IN. | 24 IN.

TO END (IN.)

WIDTH HEIGHT

TYPE 2 KITCHEN HOOD

**HOOD SECTION #** 

COLLAR #

TOTAL EXHAUST CFM - SECTION 1

NO.

ACCUREX MODEL

STYLE / CONFIGURATION

BAFFLE

300 SERIES STAINLESS STEEL 100% CONSTRUCTION

FACTORY MOUNTED EXHAUST COLLAR(S)

		EQ	UIPN	/IEN	T S	CHE	DUL	E.					
1 KITCHEN HOOD MARK: GRILL HOOD													
ACCUREX MODEL STYLE / CONFIGURATION			HOOD DI			IMENSIONS		GREA	SE	E HOOD		TOTAL	OFOTION
			ECTION ENGTH	WID.	тн	HEIGHT		CUP OR DRAIN		TEMP. RATING	TOTAL WEIGHT		SECTION
XGEP-5.33-S IGLE WALL EXHAUST ONLY LOW PROXIMITY			64 IN. TOP BOT		_	FRONT BACK		RIGH	IT	600 DEG F		136.0 LBS.	SINGLE
ILLUMINATION DETAILS							GREASE FILTRATION DETAILS						
FIXTURE TYPE BULB / LAMP INFO	Q	I ()IY I		TENSITY CANDLES			TYPE / MODE MATERIAL		iL .	QTY	LENGT	H HEIGHT	
NONE	١	NA 0 / 0 IN. OC				GREASE GRABBER STAINLESS STEEL				4 0	16 IN. 20 IN.	16 IN.	
OD SECTION #	EXHAUST PLENUM COLLAR								ARS				
COLLAR #	DISTANCE WIDTO END (IN.)			LENGTH (IN.)			DIAMETER (IN.)		OLUME (CFM)		S.P. I. WC)	VELOCITY (FT/MIN)	
1/1	32		12		12		N	NA		1500	1.918		1500
HAUST CFM - SECTION 1 1500 ≈ 281 CFM / FT									M / FT				

MARK: FIRE SYSTEM FOR GRILL HOOD

FUSIBLE LINK

MOUNTING

RIGHT END

REMOTE

REVISIONS

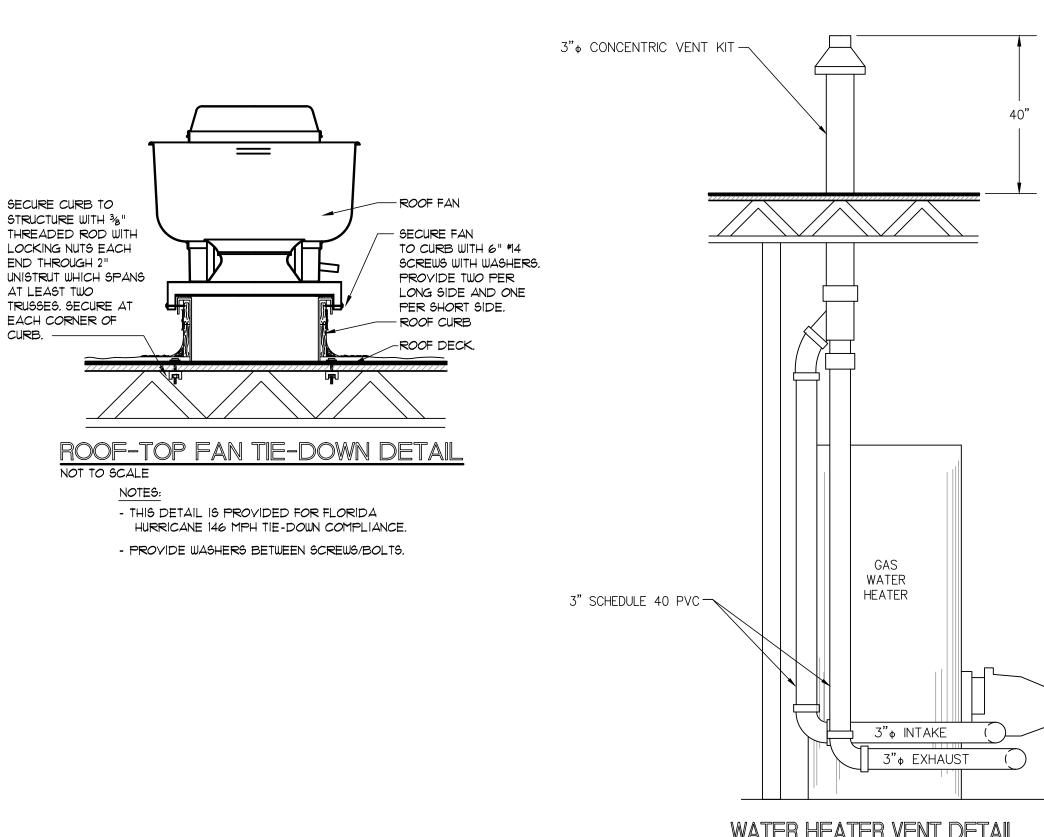
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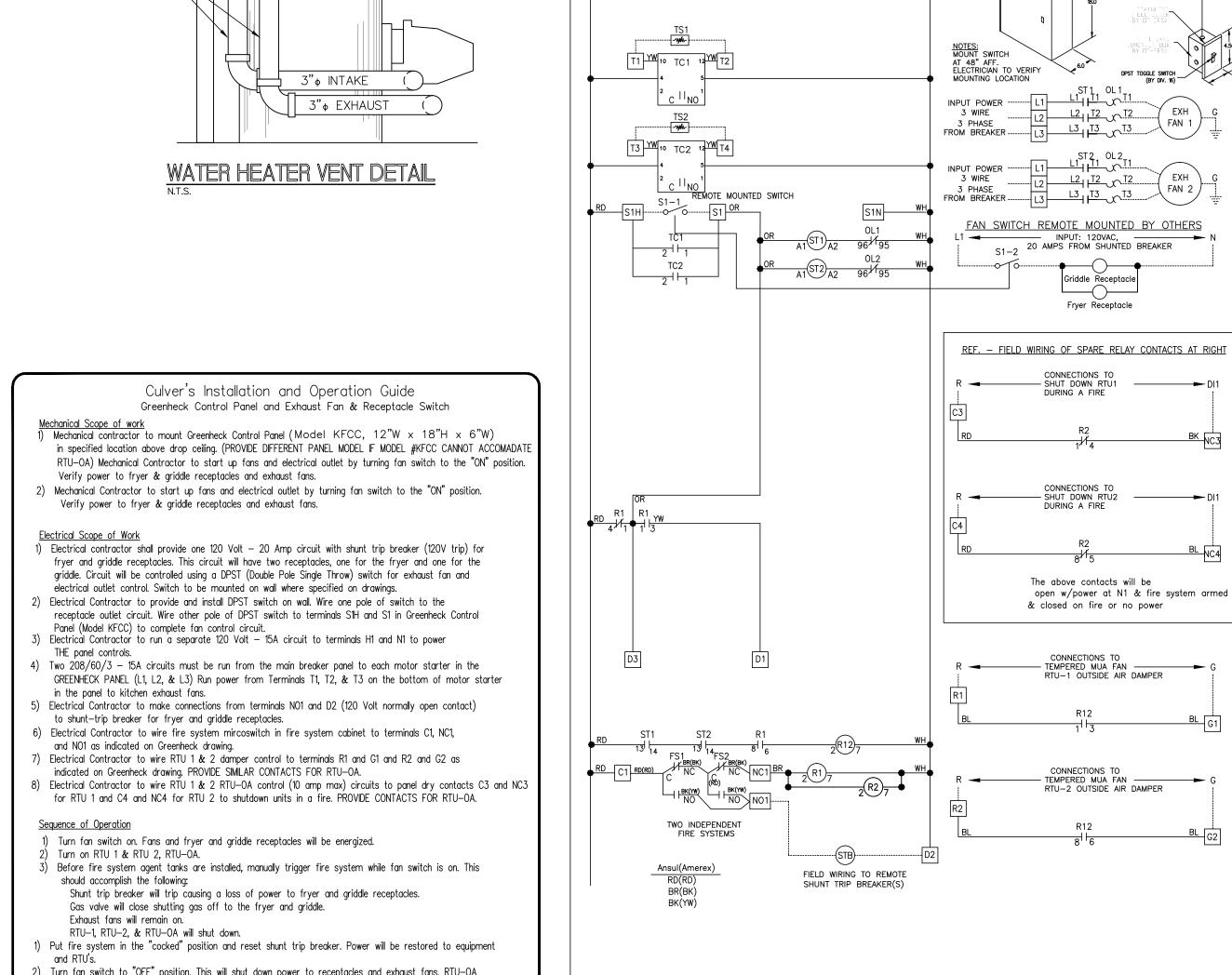
FL Lic. No.: 14175 APR. 13, 2022

Date: 04. 13. 22 Scale: AS NOTED Project Mgr: DG

BMD Drawn: Job: 21-244

Sheet





THE DESIGN, INSTALLATION, OPERATION, INSPECTION, AND MAINTENANCE OF ALL PUBLIC AND PRIVATE COMMERCIAL COOKING EQUIPMENT SHALL COMPLY WITH CHAPTER FFPC 1:50.1.1 AND NFPA 96, STANDARD FOR VENTILATION CONTROL

OPERATIONS. KITCHEN HOOD PLANS, COMPLIANT WITH THE

MARK: PRV-4

**TOP VIEW** 

21.8 Dia. →

FRONT VIEW

XFCC WIRE DIAGRAM so 6481680/310

CULVER'S , NEW MASTER 10-14USTICE\_D

Hinged Kit w/Cables -

PRV-2 Griddle Fan

**TOP VIEW** 

28.9 Dia. →

FRONT VIEW

CONTROL PANEL

Max.Exhaust Duct Size -

Roof Opening

Flat Roof Curb —

ZZ905336

Table SQ

19.4

Standard Duct 16 SQ

NOTE: Overall height may be

Panel Mark: | CONTROLS

1 Qty. Fan Switches (0-3) 0 Qty. Light Switches (0-3)

Outry. Light Switches (0-3)
Ogty. Temp. Switches (0-1)
One Switch for L & F
One Breaker Con. L & F
Heat Switch
Cool Switch
AD Switch
Tempering SW

Remote Switches
Pushbutton Switches
Evap Cooler Switch

Spare Fire Switch Contact

(dry contacts for building alarm)

NC2 BR(BK) NC FS2
NO2 BK(YW) NO | C FS2

greater depending on motor

Max.Exhaust Duct Size -

Roof Opening

Hinged Base —

Flat Roof Curb —

Lights Out in Fire

Extra Fire Relay (#2

DPDT Relay w/SF DPDT Relay w/EF
Off Delay Relay

SF Failure Light
EF Failure Light

Audible Alarm

Gas Resett Gas Off w/Fans
Power for Gas Solenoid
Power for Shunt Trip

Aux. Supply Contact
Tie in WWCP

C2 RD(RD) Ansul(Amerex)
RD(RD)
RD(RD)
RD(RD)
RD(RD)
RD(RD)
RD(RD)
RR(BK)

Spare Relay Contacts (activated by FS1)

(can be used for shunt trip, alarms, etc.)

NO3 BR A----- NO4 BR NC4 BK 5 8 R

closed on fire or no power

∼open on fire or no power

LABEL DESCRIPTION

NOTES:

Wiring Diagram #

Exhaust Fan

Supply Fan Supply Fan Starter OverLoad Contactor Ground Switch

Light Fire Switch

Relay
Air Flow Switch
Gas Solenoid
Shunt Trip Breaker
Damper
PushButton
Fyan Cooler

Drawing shown de-energized at L1 (term. #5),

(in normal operation, R1 & R2 are energized)

If wall mounted prewire, or field installed fire

system, the fire system microswitches must

100-2MXZ-320

\_open w/power at N1 & fire system armed

∠closed w/power at N1 & fire system armed

TERMINAL STRIPS = 18 IN/LB. use minimum GROUNDING BAR = 20 IN/LB. 60° Copper Wire

FIELD WIRING:

FACTORY WIRING
HOOD WIRING
FIELD WIRING

ALL WIRING 90°C 14 GA. UNLESS SPECIFIED

WIRE COLOR

BK - black

YW — yellow WT — white

FILE #E200616

bluebrown

– orange – purple – red

PRV-3 Fryer Fan

**TOP VIEW** 28.9 Dia. →

FRONT VIEW

29.8

AND FIRE PROTECTION OF COMMERCIAL COOKING

ABOVE, SHALL BE PERMITTED SEPARATELY.

Standard Duct | 16 SQ | **EQUIPMENT SCHEDULE** NOTE: Overall height may be greater depending on motor **ELECTRICAL CONTROL BOX** DESCRIPTION / ACCUREX MODEL SUPPLY **EXHAUST** MOUNTING LOCATION (CONTROL PANEL / SWITCHES) FAN QTY FAN QTY KITCHEN FAN CONTROL CENTER / XFCC SHIP LOOSE / SHIP LOOSE FOR REMOTE MOUNTING CONTROL PANEL ENCLOSURE - 16 GA 304 STAINLESS STEEL ENCLOSURE (NEMA-1) - DIMENSIONS 12 X 18 X 6 WIRING DIAGRAM #: T100- 2 - 20 STARTERS PROVIDED IN CONTROL PANEL - QTY 2 2 POSITION FAN SWITCH - QTY 1 INTEGRATED EXHAUST TEMPERATURE INTERLOCK SYSTEM -FACTORY MOUNTED EXHAUST TEMPERATURE SENSORS - QTY 2 -COMPLIES WITH FLORIDA BUILDING CODE - MECHANICAL 2010 SECTION 507.2.1.1 TURN ON EXHAUST IN FIRE THERMAL OVERLOADS IN CABINET 1 SPEED FAN(S) SPECIAL DESIGN REQUESTS

SDR #K0800240 - USE KIT # 852883, WIRING DIAG. # ZZ133721A Direct Drive Centrifugal Roof Exhaust Fan MARK: PRV-4 Operating | Weight | Volume | SP | FRPM | Operating | Vveignt | V/C/P | Encl: Motor RPM Windings FLA 0.072 0.0667 115/60/1 **OPTIONS AND ACCESSORIES** UL/cUL 705 Listed - "Power Ventilators"

Switch, NEMA-1, Toggle, Junction Box Mounted & Wired Hinged Curb Cap Kit w/Cables (PN 851018) (Shipped Loose) Curb Seal (Attached) Damper, WD-100-PB-10X10, Gravity Operated (Loose) Solid State Speed Control, Shipped Loose (PN 5WSSC) CURB GPI-17-G12

**EQUIPMENT SCHEDULE** Belt Drive Upblast Centrifugal Roof Exhaust Fan MARK: PRV-2 
 Volume (CFM)
 SP (in wg)
 FRPM
 Operating Power (hp)
 Weight (Lb.)
 Size (hp)
 V/C/P
 Encl:
 Motor Windings FLA Model XRUB-161XP-15 | 1500 | 2.337 | 2,411 | 1.29 | 171 1.5 208/60/3 **OPTIONS AND ACCESSORIES** 

UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances" Switch, NEMA-1, (PN:N1TSNO-3-30) Toggle, Shipped with unit Larger curb cap size - 26" Square Roof curb-Galv., GPF-26-G28, Under sized 1.5" Total Hinged Base (Attached)

High Temp Curb Seal Rated for Continuous duty at 2000F (Attached) Clean-out Port Grease Trap with Drain Connection (PN 475538)

Heat Baffle (Attached) Bearings with Grease Fittings, L10 life of 100,000 hrs (L50 avg. life 500,000 hrs)

	EQUIPMENT SCHEDULE												
Belt Drive Upblast Centrifugal Roof Exhaust Fan											MARK: PI	MARK: PRV-3	
Qty	Accurex Model	Volume (CFM)	SP (in wg)	FRPM	Operating Power (hp)	Weight (Lb.)							
							Size (hp)	V/C/P	Encl:	Motor RPM	Windings	FLA	
1	XRUB-141-7	1500	1	1377	0.5	160	0.75	208/60/3	ОР	1725	1	3.5	

OPTIONS AND ACCESSORIES

Switch, NEMA-1, Toggle, Shipped with unit Larger curb cap size - 26" square Roof curb-Galv., GPF-26-G28, Undersized 1.5" total Hinged Base (Attached)

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

Curb Seal (Attached) Clean-out Port Grease Trap with Drain Connection (PN 475538) Heat Baffle (Attached)

	EQUIPMENT SCHEDULE										
XCR MARK: EF-1, EF-2											
MODEL	VOLUME	SP.	FAN	WEIGHT		5					
NO.	(CFM)	SP (IN WC)	RPM	WEIGHT (LB)	AMPS	V/C/P	RPM				
SPA-110	100	0.10	700	9	.31	115/60/1					
UL/CUL-507 - 'ELECTRIC FANS'											
MOTOR W/ THERMAL OVERLOADS											
INTERLOCK WITH	RESTROO	M LIGHTS.									

CULVER'S ELECTRICAL FIELD CONNECTION INSTALLATION INSTRUCTIONS

Remote Mount DPST Switch Fryer & Griddle Receptacles, Kitchen Exhaust Fans | 120/1 20A from Main Breaker Panel (Black), Breaker | Pole | 120/1 - 20 A to Fryer & Griddle Receptacles (Black) | Shunted from Control Center Terminals NO1 & D2 | 1 | Receptacles in parallel

Greenheck Control Panel Connections

120/1 - 15 Amp

NEUTRAL

NOT USED

NOT USED NOT USED

NOT USED

NOT USED

Fire System N/O

Fire System N/C

Spare Fire Sys. Common

Spare Fire Sys. N/O

Spare Fire Sys. N/C

OPEN

RTU 2 Fire Shutdown

4 RTU 2 Fire Shutdown

OPEN

120/1 "Off in Fire"

D2 120/1- Shunt Trip Breaker I

S1 Fan Switch Connection

Model KFCC **Exhaust Fan Connections** in Greenheck Control Panel

To KFCC Terminal S1

Model KFCC

To RTU 1 Outside Air Damper annate will close when exhaust fans are running)
To RTU 1 Outside Air Damper
Nater will close when exhaust fans are running)
To RTU 2 Outside Air Damper
To RTU 3 Outside Air Damper
To RTU 4 Outside Air Damper
To RTU 5 Outside Air Damper
To RTU 6 Outside Air Damper
To RTU 7 Outside Air Damper
To RTU 8 Outside Air Damper
To RTU 9 Outside Air Damper Key ——Designates Field Connection To Griddle & Fryer Shunt Trip Breaker at Main Panel

) Turn fan switch to "OFF" position. This will shut down power to receptacles and exhaust fans. RTU-OA will shut down and outside air dampers will close. RTU's 1 & 2 will remain operational providing 100% return air only.

HOOD FAN SCHEDULES AND DETAILS

STATE OF

CORIDA

GARLAND PATTERSON, P.

REVISIONS

MARK: CONTROLS

POWER

FREQUENCY

60 CYCLE

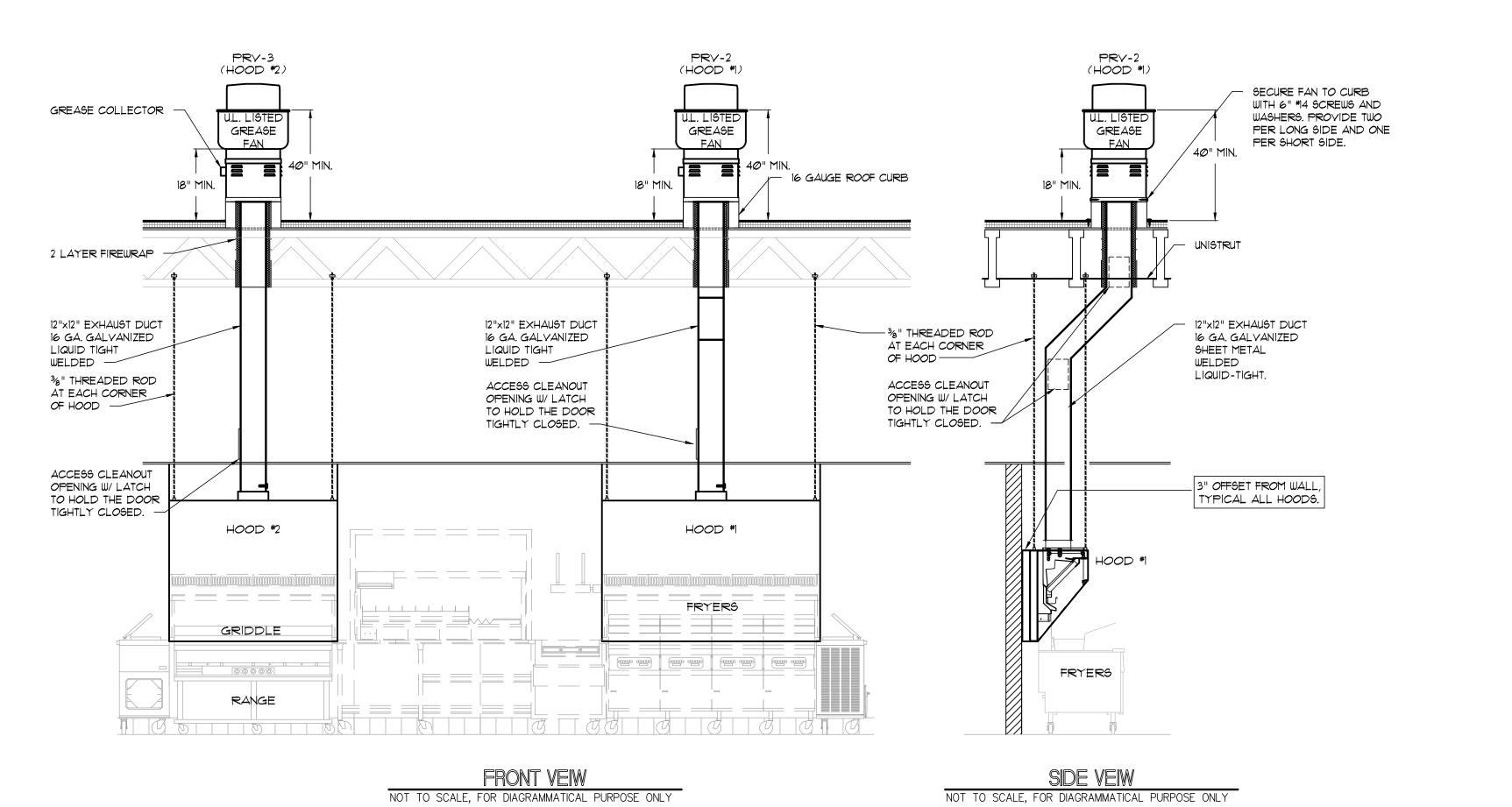
Date: 04. 13. 22 Scale: AS NOTED Project Mgr: DG

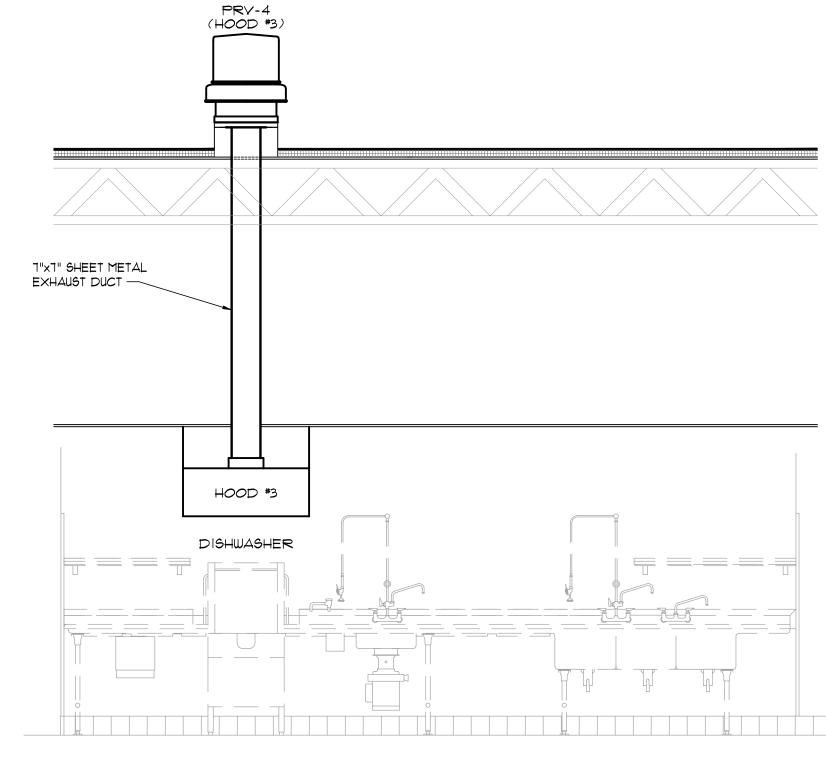
BMD Drawn: Job: 21-244

Sheet



NOTE: THE DESIGN, INSTALLATION, OPERATION, INSPECTION, AND MAINTENANCE OF ALL PUBLIC AND PRIVATE COMMERCIAL
COOKING EQUIPMENT SHALL COMPLY WITH CHAPTER FFPC
1:50.1.1 AND NFPA 96, STANDARD FOR VENTILATION CONTROL
AND FIRE PROTECTION OF COMMERCIAL COOKING OPERATIONS. KITCHEN HOOD PLANS, COMPLIANT WITH THE ABOVE, SHALL BE PERMITTED SEPARATELY.





FRONT VEIW

NOT TO SCALE, FOR DIAGRAMMATICAL PURPOSE ONLY

STATE OF

GARLAND PATTERSON, P.I

FL Lic. No.: 14175 APR. 13, 2022

