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REVISIONS:

NO.	DESCRIPTION	DATE
1	ISSUED FOR BID & PERMIT	12-11-18
2	BID SET	01-30-19

ISSUE DATE:

NO.	DESCRIPTION	DATE
1	ISSUED FOR BID & PERMIT	12-11-18
2	BID SET	01-30-19

DRAWN BY: SJM

PANDA PROJECT #: S8-19-D6573

ARCH PROJECT #: P7336

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**A Full Service A & E Firm**



**PANDA EXPRESS**  
 WARM & WELCOME 2200  
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 JACKSONVILLE, FL 32225

**M-000**

MECHANICAL NOTES  
 SPECIFICATIONS & SCHEDULES

**MECHANICAL SPECIFICATIONS**

- WORK INCLUDES INSTALLATION OF HVAC SYSTEMS, INCLUDING GREASE EXHAUST FANS AND MAKE-UP AIR UNIT FOR KITCHEN HOODS, SPACE HEATING/AIR CONDITIONING SYSTEMS, SUPPLY, RETURN, EXHAUST, AND GREASE EXHAUST DUCTWORK, GRILLES, REGISTERS, DIFFUSERS, COMPLETE CONTROLS SYSTEM, INTERLOCK WIRING FOR OPERATION OF KITCHEN HOODS, EXHAUST FANS, AND MAKE-UP AIR UNIT, DUCT INSULATION, AND RELATED ITEMS NECESSARY FOR A COMPLETE FUNCTIONING SYSTEM AS INDICATED ON THE PLANS. FURNISH ALL NEW MATERIALS AND EQUIPMENT UNLESS NOTED OTHERWISE (J.N.C.).
- DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT AND REQUIRED EQUIPMENT. DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. AS REQUIRED, REFER TO ARCHITECTURAL AND MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. FURNISH AND INSTALL ALL DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE SYSTEMS FUNCTIONING AS INDICATED BY THE DESIGN AND EQUIPMENT SHOWN ON PLANS.
- CODE COMPLIANCE: ALL WORK COVERED BY THIS SECTION SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
- COORDINATE WORK WITH OTHER TRADES. EQUIPMENT FURNISHED BY OTHERS AND OWNER REQUIREMENTS. PREPARE DUCT RISES AND DOWN DRAWS REQUIRED FOR INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK. WORK SHALL BE PERFORMED BY EXPERIENCED TRADESMEN AND THEIR WORK SHALL BE OF HIGH STANDARD ACCEPTABLE TO THE OWNER.
- DUCTWORK: DUCT SYSTEM SHALL BE CONSTRUCTED, INSTALLED, SEALED AND INSULATED AS PROVIDED IN THE FLORIDA MECHANICAL CODES. SHEET METAL SHALL BE IN ACCORDANCE WITH ASHRAE AND SMACNA STANDARDS. SHEET METAL SHALL BE GALVANIZED OF LOCK-FORMING QUALITY, ASTM A-525 UNLESS OTHERWISE NOTED. DUCT DIMENSIONS ON DRAWINGS ARE NET INSIDE CLEAR DIMENSIONS ON UNLINED DUCTS OR SHEET METAL DIMENSIONS ON UNLINED DUCTS. MIN. ANGLE IRON USED FOR SUPPORT SHALL BE GALVANIZED. ROUND RIGID DUCTWORK SHALL CONFORM TO SMACNA TABLE 3-2.
- INSTALL DUCT HIGH AS POSSIBLE WITHIN JOIST SPACE. CONSULT ARCHITECT AND ENGINEER FOR ALTERNATE ROUTING IF CONFLICT OCCURS.
- SEAL ALL TRANSVERSE AND LONGITUDINAL DUCT SEAMS AIR-TIGHT. PROVIDE TURNING VANES AT ALL ELBOWS OR OFFSETS EXCEEDING 30 DEGREES.
- GREASE EXHAUST SYSTEM: ALL GREASE EXHAUST DUCTS SHALL BE FABRICATED BY WELDED JOINT CONSTRUCTION OF 16 GAUGE WELDED STEEL OR 18 GAUGE STAINLESS STEEL. PROVIDE RATED ACCESS DOORS AT ALL ELBOWS AND OFFSETS NECESSARY FOR COMPLETE CLEANING OF GREASE DUCT. PROVIDE MINIMUM 30"x30" UNOBSTRUCTED ACCESS OR ROUTE FROM THE CEILING TO EACH ACCESS DOOR. DO NOT BLOCK ACCESS WITH PLUMBING, ELECTRICAL OR HVAC OBSTRUCTIONS. ALL ELBOWS SHALL BE LONG RADIUS. GREASE DUCT SHALL BE INSTALLED EITHER IN A RATED ENCLOSURE PROVIDED BY THE GENERAL CONTRACTOR OR WRAPPED WITH FIREMASTER GREASE DUCT WRAP.
- DUCT INSULATION: PROVIDE DUCT WRAP FOR ALL DUCTS ABOVE CEILING, INCLUDING VERTICAL, HORIZONTAL, RIGID AND FLEXIBLE DUCTS, EXCLUDING PREFABRICATED PREINSULATED DUCTS AND GREASE DUCTS. DUCT WRAP SHALL BE JOHNS MANVILLE MICROLITE OR EQUAL WITH FOLIOSCRIM/KRAFT, 1 IN THICKNESS, 1.5 POUNDS/FT<sup>3</sup> DENSITY. DUCT WRAP SHALL BE BONDED GLASS FIBERS IN THERMOSETTING RESIN MEETING NFPA 90A, WITH K VALUE NOT TO EXCEED 0.23 AT 75 DEGREES F. FLAME SPREAD AND SMOKE DEVELOPED RATINGS SHALL NOT EXCEED 25/50. APPLY 100% ADHESIVE COVERAGE TO SHEET METAL DUCTWORK. PROVIDE ADDITIONAL MECHANICAL FASTENERS ON DUCTS OVER 12" WIDE OR 16" HIGH. MECHANICAL FASTENERS SHALL BE "GRIPNAIL" OR WELDED PIN AND SPEED CLIPS SPACED PER SMACNA STANDARDS.
- FLEX DUCT: PROVIDE FACTORY ASSEMBLED CLASS 1 AIR DUCT (UL 181) WITH FIBERGLASS INSULATION AND REINFORCED OUTER PROTECTIVE COVER/VAPOR BARRIER. FLEX DUCT SHALL MEET NFPA 90A WITH FLAME SPREAD UNDER 25, SMOKE DEVELOPED UNDER 50 AND SHALL BE RATED FOR 2" W.C. PRESSURE AND 0 TO 250 DEGREE TEMPERATURE. FLEX DUCT MAXIMUM ALLOWED LENGTH TO BE PER LOCAL CODE.
- PROVIDE INSULATION APPLIED TO COMPLETE BACKPAN OF AIR DEVICES.
- ACCESS DOOR: PROVIDE HINGED ACCESS PANELS IN DUCTWORK WHERE SHOWN AND AS REQUIRED FOR ACCESS TO DAMPERS OR EQUIPMENT. PROVIDE INSULATED ACCESS DOORS IN INSULATED DUCTWORK.
- AUTOMATIC TEMPERATURE CONTROL: CONTRACTOR TO PROVIDE AND INSTALL 247 PROGRAMMABLE THERMOSTATS AND REMOTE SENSORS AT 48" AFF.
- KITCHEN HOOD EQUIPMENT INTERLOCK: PROVIDE ALL INTERLOCK AND CONTROL WIRING FOR KITCHEN HOOD SYSTEMS, WHICH INCLUDES EF1, EF2, MAU1 AND ANSUL SYSTEM SHUT DOWN INTERLOCK TO MAKE-UP AIR FAN. UPON ACTIVATION OF ANSUL SYSTEM, MAKE-UP AIR FAN SHALL BE DEACTIVATED. PROVIDE ALL NECESSARY CONTROLS AND WIRING FOR A COMPLETE AND OPERABLE SYSTEM. INTERLOCK GREASE EXHAUST FANS AND MAKE-UP AIR UNIT TO START SIMULTANEOUSLY FROM SWITCH PROVIDED AT HOOD.
- TEST AND ADJUST EACH PIECE OF EQUIPMENT AND EACH SYSTEM AS REQUIRED TO ASSURE PROPER AIR BALANCE AND OPERATION. PROVIDE A CERTIFIED AIR BALANCE REPORT TO OWNER SHOWING DESIGN AND MEASURED AIR VOLUMES, STATIC PRESSURES, FAN RPM'S, ETC. AIR BALANCE CONTRACTOR SHALL ADJUST SYSTEMS TO MINIMIZE NOISE AND VIBRATION, AND TO ASSURE PROPER FUNCTION OF CONTROLS, MAINTENANCE OF TEMPERATURE AND OPERATION. GENERAL CONTRACTOR TO OBTAIN ALL INSPECTIONS REQUIRED BY LOCAL CODE AND GUARANTEE WORK AND INSTALLATION FOR ONE YEAR AFTER ACCEPTANCE BY OWNER. GENERAL CONTRACTOR TO FURNISH OWNER WITH TWO COMPLETE SETS OF AS-BUILT DRAWINGS INDICATING ALL INSTALLED WORK, INCLUDING ALL CONTROL WIRING DIAGRAMS AND INTERLOCK FOR SYSTEM OPERATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF ECONOMIZERS INCLUDING INSTALLATION OF ALL NECESSARY SENSORS AND CONNECTIONS TO THERMOSTAT. PROVIDE SUPPORT OF ECONOMIZERS PER MANUFACTURER'S REQUIREMENTS AND TEST FOR PROPER OPERATION PRIOR TO FINAL TEST AND BALANCE.

**HVAC CONTROL SETTINGS**

EACH HVAC UNIT SHALL BE PROVIDED WITH CONTROLS AS FOLLOWS:

THERMOSTAT: CARRIER COMMERCIAL PROGRAMMABLE THERMOSTAT WITH REMOTE TEMPERATURE SENSOR. SEE SHEET M-100 FOR THERMOSTAT AND SENSOR LOCATIONS.

ALL THERMOSTATS SHALL HAVE MANUAL OVERRIDE.

EACH UNIT CONTROL SHALL BE SET UP INITIALLY AS FOLLOWS:

CONTRACTOR SHALL DETERMINE OCCUPIED PERIOD FROM OWNER.

FAN OPERATION SHALL BE CONTINUOUS DURING OCCUPIED PERIOD AND CYCLE WITH COOLING/HEATING DURING UNOCCUPIED PERIOD.

PROGRAMMED SETPOINTS (FOR EACH THERMOSTAT):

COOLING OCCUPIED: 75°F.  
 COOLING UNOCCUPIED: 85°F.  
 HEATING OCCUPIED: 68°F.  
 HEATING UNOCCUPIED: 50°F.

NOTE: DEVIATIONS FROM THE ABOVE MAY RESULT IN UNACCEPTABLE AIR QUALITY, COMFORT AND/OR ENERGY CONSUMPTION.

**AIR CURTAIN SCHEDULE**

EQUIP.	MFR/MODEL	DESCRIPTION
(MBA)	MARS STD242-1U-OB	UNHEATED AIR CURTAIN (SERVICE DOOR). 115V/160 WEIGHT 65 LBS. PROVIDED BY PANDA EXPRESS
(M9A)	QUICK-SERV CF-25	AIR CURTAIN (WINDOW NON-HEATED). 120V/160, 20 AMP WEIGHT 30 LBS. REFERENCE ARCHITECTURAL WINDOW SCHEDULE FOR HEATED OR NON-HEATED UNIT. PROVIDED BY GC.

NOTES:  
 INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

**MECHANICAL LEGEND**

SYMBOL	ABBREVIATION	DESCRIPTION
AB	AB	ABOVE FINISHED FLOOR
CLG	CLG	CEILING
DN	DN	DOWN
EAD	EAD	EXHAUST AIR DUCT
[Symbol]	[Symbol]	DUCT SECTIONS (SUPPLY, EXHAUST, RETURN)
[Symbol]	[Symbol]	FLEXIBLE DUCT
[Symbol]	MVD	MANUAL VOLUME DAMPER
[Symbol]	OB	OPPOSED BLADE DAMPER
[Symbol]	MA	MAKE-UP AIR
[Symbol]	MFR	MANUFACTURER
[Symbol]	MIN	MINIMUM
[Symbol]	OSA	OUTSIDE AIR
[Symbol]	[Symbol]	ROUND RIGID DUCTWORK
[Symbol]	TSP	TOTAL STATIC PRESSURE
[Symbol]	VTR	VENT THRU ROOF
[Symbol]	[Symbol]	TURNING VANES
[Symbol]	[Symbol]	CONSTRUCTION NOTES
[Symbol]	[Symbol]	MECHANICAL EQUIPMENT DESIGNATION
[Symbol]	[Symbol]	SMOKE DETECTOR
[Symbol]	[Symbol]	THERMOSTAT / UNIT
[Symbol]	[Symbol]	REMOTE SENSOR / UNIT

**MA CONTROL SETTINGS**

EACH UNIT CONTROL SHALL BE SET UP INITIALLY AS FOLLOWS:

FAN OPERATION SHALL BE CONTINUOUS DURING COOKING OPERATION INTERLOCK WITH KITCHEN EXHAUST FANS. REFER TO HOOD DRAWINGS.

PROGRAMMED SETPOINTS:

COOLING: 85°F.  
 HEATING: 58°F.

**EXHAUST FAN SCHEDULE**

FAN NO.	EF1	EF2	EF3
LOCATION	ROOF	ROOF	ROOF
AREA SERVED	KITCHEN GREASE EXHAUST HOOD #1	KITCHEN GREASE EXHAUST HOOD #2	RESTROOMS
FAN DUTY	AIR EXHAUST	AIR EXHAUST	AIR EXHAUST
FAN TYPE	CENTRIFUGAL BELT-DRIVEN	CENTRIFUGAL BELT-DRIVEN	CENTRIFUGAL BELT-DRIVEN
FAN ARRANGEMENT	UPBLAST	UPBLAST	DOWNBLAST
MIN. WHEEL DIAMETER	-	-	-
PERFORMANCE	C.F.M.	3,450	3,450
	T.S.P.	1.25"	1.25"
	B.H.P.	1.39	1.39
MOTOR	FAN R.P.M.	1223	1223
	MOTOR H.P.	2.0	2.0
	ELEC. CHARACTERISTICS	208V/3PH/60HZ	208V/3PH/60HZ
MOTOR SPECIAL FEATURES	OPEN DRIP-PROOF	OPEN DRIP-PROOF	OPEN DRIP-PROOF
ACCESSORIES	1. VENTED ROOF CURB	1. VENTED ROOF CURB	1. ROOF CURB
	2. HINGED AND CHAINED FAN INSTALLATION FOR DUCT ACCESS	2. HINGED AND CHAINED FAN INSTALLATION FOR DUCT ACCESS	2. BACKDRAFT DAMPER
MANUFACTURER	CAPTIVEAIRE MODEL: NCA16FA WT. 197 LBS	CAPTIVEAIRE MODEL: NCA16FA WT. 197 LBS	CAPTIVEAIRE MODEL: D77FA WT. 113 LBS

NOTES:  
 1. KITCHEN EXHAUST FANS SHALL BE ELECTRICALLY INTERLOCKED WITH MAKE-UP AIR UNIT AND ROOFTOP UNITS.  
 2. FOR WIRING DIAGRAM SEE 5M-501

**PACKAGED ROOF TOP UNIT SCHEDULE**

(CARRIER MODELS TO BE SPECIFIED)  
 (LO NoX in California)

UNIT SYMBOL	RTU1 (NEW)	RTU2 (NEW)	RTU3 (NEW)
LOCATION	ROOF	ROOF	ROOF
BLOWER	SA CFM (TONS)/OA CFM	2,000 (5-TON)/500	4,000 (10-TON)/750
	TSP (IN W.G.)	0.58"	0.7"
COOLING	TOTAL (BTU/HR)	61,700	119,738
	SENSIBLE (BTU/HR)	51,088	95,491
AMBIENT (F)	100	100	
COIL ENTERING	67 WB/82 DB	66 WB/80 DB	66 WB/80 DB
HEATING (NATURAL GAS BTU/HR)	STAGE (1) 65,000	STAGE (1) 84,500 STAGE (2) 130,000	STAGE (1) 84,500 STAGE (2) 130,000
ELECTRICAL	POWER SUPPLY	208V/3PH/60HZ	208V/3PH/60HZ
	COMPRESSOR (RLA)	17.6	(2) 27.0
	CONDENSER MOTOR (FLA)	(1) 4.1	(1) 4.8
	EVAPORATOR MOTOR (FLA)	7.4	10.6
	MIN. CIRCUIT AMPCACITY	33, HACR = 45	46, HACR = 50

PRICING ORDERING AND DELIVERY CONTACT: CODY JACKSON  
 PHONE: 801-735-6904  
 CELL: 801-350-1563  
 E-MAIL: cody.jackson@lennoxind.com  
 SUPPORT: 800-367-6285

BY LENNOX MODEL LGH120H4M DOWN DISCHARGE COMPLETE WITH 14" ROOF MOUNT CURB. ELECTRONIC PROGRAMMABLE THERMOSTAT, DIFFERENTIAL ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF, HUMIDTROL DEHUMIDIFICATION, BLOWER PROVING SWITCH, DIRTY FILTER SWITCH. OPER. WT. : 1,539 LBS APPROX. EER=12.0

- ALL ITEMS RELATED TO HVAC SYSTEM SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR. CONTACT CARRIER REPRESENTATIVE ABOVE.
- THERMOSTATS, REMOTE SENSOR TYPE, 24/7 PROGRAMMABLE AND CAPABLE OF OPERATING ROOFTOP UNITS AND ACCESSORIES 'CARRIER' COMFORT PRO 33CS PROVIDE REMOTE SENSOR FOR EACH THERMOSTAT
  - DUCT MOUNTED SMOKE DETECTORS: IONIZATION TYPE/INLET LISTED, CSFM CERTIFIED, 24 VAC, BY EDWARDS, DH HOUSING WITH 155F SENSOR
- NOTE:
- (5 TON) AND (7.5 AND 10 TON) ECONOMIZER INCLUDED IN ELECTRICAL TOTAL MCA PER MANUFACTURER'S LITERATURE.
  - UNIT WEIGHTS ABOVE INCLUDE ACCESSORIES AND CURB.
  - FACTORY OPTIONS SHALL INCLUDE E-COAT CONDENSER, EVAPORATOR AND HUMIDITROL COILS, AND PROVIDE HALL GUARD PROTECTION FOR ALL UNITS.
  - FACTORY OPTIONS SHALL INCLUDE FACTORY INSTALLED DISCONNECTS AND CONVENIENCE OUTLETS (FIELD POWERED REFER TO ELECTRICAL DRAWING).
  - PROVIDE THRU THE BASE ELECTRICAL CONNECTION KIT FOR ALL UNITS.
  - PROVIDE UNITS WITH HUMIDITROL DEHUMIDIFICATION OPTION.
  - PROVIDE WITH FACTORY INSTALLED SUPPLY AIR DUCT SMOKE MECHANICAL CONTRACTOR SHALL ADDITIONALLY PROVIDE AND INSTALL ALL REMOTE SENSORS, STROBES, AND ALARMS IF REQUIRED BY CODE & INSPECTOR.
  - PROVIDE WIND RATED CURBS AND HOLD DOWN BRACKETS.

**MAKE-UP AIR UNIT SCHEDULE**

MARK	MFR / MODEL	LOCATION	SERVICE AREA	GAS HEAT	TYPE	COOLING	CFM	ESP	MOTOR	REMARKS
MA-1	CAPTIVEAIRE A3-G18	ROOF-TOP	KITCHEN HOOD #1 & #2	407,000 BTUH	DX COOLED SUPPLY, DOWN DISCHARGE	DUAL CIRCUIT DX COIL	5,520	0.75"	5 HP 208V/3PH/60HZ	38ALUD 10 TON, DUAL CIRCUIT AIR COOLED CONDENSING UNIT. REFER TO SHEET M-404 FOR INFORMATION. 4-5 IN. LEAD TIME. SHIPPING INCLUDED IN PRICE. FROM TYLENOR SHIPS SEPARATE, FREIGHT INCLUDED. FACTORY OF ORIGIN SHALL INCLUDE NONCORROSIVE COATING AND HALL GUARD PROTECTION.

**DIFFUSER & GRILLE SCHEDULE**

DESIGNATION	MANUFACTURER	MODEL NO	TYPE	COLOR	NOM NECK SIZE	NOM FACE SIZE	FRAME TYPE	NC MAX	REMARKS
A	PRICE	PDMC3-R6	PERFORATED MODULAR CORE	8-12 WHITE	14"Ø	24" x 24"	LAY-IN T-BAR	< 30	ROUND NECK BUTTERFLY VOLUME DAMPER
B	PRICE	PDMC3-AFI	PERFORATED MODULAR CORE	8-12 WHITE	10"Ø	16" x 16"	SURFACE	< 30	ROUND NECK BUTTERFLY VOLUME DAMPER
C	PRICE	PDMC3-AFI	PERFORATED MODULAR CORE	8-12 WHITE	6" x 6"	12" x 12"	SURFACE	< 30	ROUND NECK BUTTERFLY VOLUME DAMPER
D	PRICE	PDDR3	PERFORATED RETURN	8-12 WHITE	22" x 22"	24" x 24"	LAY-IN T-BAR	< 35	ROUND DUCT ADAPTER FOR DIA. AS SHOWN, OPPOSED BLADE DAMPER
E	PRICE	PDDR3-AFI	PERFORATED RETURN	8-12 WHITE	6" x 6"	12" x 12"	SURFACE	< 30	ROUND NECK BUTTERFLY VOLUME DAMPER
F	PRICE	PDDR3	PERFORATED RETURN	8-12 WHITE PA-28 BRONZE	22"X22"	24" x 24"	LAY-IN T-BAR	< 35	ROUND DUCT ADAPTER FOR DIA. AS SHOWN
G	NOT USED								
H	PRICE	PDMC3-R6	PERFORATED MODULAR CORE	8-12 WHITE PA-28 BRONZE	14" x 14"	24" x 24"	LAY-IN T-BAR	< 30	ROUND DUCT ADAPTER FOR DIA. AS SHOWN
J	PRICE	PDMC3-AFI	PERFORATED MODULAR CORE	8-12 WHITE	6"Ø	24" x 24"	LAY-IN T-BAR	< 30	OPPOSED BLADE DAMPER

NOTE: PROVIDE FACTORY INSTALLED BACK PAN INSULATION ON AIR DEVICES.  
 HVAC CONTRACTOR IS TO PURCHASE ALL AIR DEVICES FROM PANDA APPROVED NATIONAL ACCOUNT VENDOR/THERMALS SYSTEMS. PLEASE CONTACT RON CAMPBELL AT 802-705-5010 OR EMAIL ronc@thermalsystems.com

**AIR BALANCE SCHEDULE**

ITEM	SUPPLY AIR	RETURN AIR	MAKE-UP AIR	EXHAUST
MAU1	0	0	+5	0
EF-1	0	0	0	-3,450
EF-2	0	0	0	-3,450
RTU-1	+2,000	-500	0	0
RTU-2	+4,000	-750	0	0
RTU-3	+4,000	-3,250	0	0
EF-3	0	0	0	-450
TOTAL	+10,000	-4,250	+7,520	-7,350

BUILDING PRESSURE = +170 CFM

TOLERANCES FOLLOW:  
 KITCHEN EXHAUST HOODS: 0% TO +10%  
 OUTDOOR AIR: 0% TO +10%  
 SUPPLY & RETURN DIFFUSERS: ±10%  
 TOILET EXHAUST: ±10%  
 BALANCE RTU SUPPLY AND RETURN PRIOR TO TURNING ON EXHAUST FANS.  
 KITCHEN EXHAUST FANS SHALL BE BALANCED WITH VELOCITY MATRIX OR A 4" ANEMOMETER

**OSA VENTILATION CALCULATION-FMC**

AREA TYPE	TOTAL AREA (FT <sup>2</sup> )	OCCUPANCY DENSITY (PEOPLE/FT <sup>2</sup> )	TOTAL OCCUPANTS	OSA REQ'D PER SQ.FT. (CFM)	OSA REQ'D PER PERSON (CFM)	ZONE EFF.	OSA REQ'D FOR THIS OCCUPANCY CLASSIFICATION (CFM)
HALLWAYS	41	-	-	0.06	-	0.80	4
STORAGE	14	-	-	0.12	-	0.80	3
KITCHEN	925	-	-	-	-	0.80	0
DINING ROOM	823	70/1,000	58	0.18	7.5	0.80	729
<b>TOTAL OSA REQUIRED (CFM)</b>							<b>736</b>
<b>TOTAL OSA PROVIDED (CFM)</b>							<b>2000</b>

VENTILATION SHALL BE BALANCED BY AN APPROVED METHOD. A BALANCE REPORT SHALL VERIFY THAT THE VENTILATION SYSTEM IS CAPABLE OF SUPPLYING THE AIRFLOW RATES REQUIRED BY SECTION 403. SAID REPORT MUST BE PRESENTED TO THE ADMINISTRATIVE AUTHORITY.