MECHANICAL CODE VENTILATION REQUIREMENTS

THE HVAC SYSTEM IN THIS BUILDING IS DESIGNED TO COMPLY WITH THE VENTILATION REQUIREMENTS OF 2023 FLMC CHAPTER 4, AND WITH THE DEMAND CONTROL VENTILATION REQUIREMENTS (DCV) OF 2023 FLECC 403.2.5. DEMAND CONTROL VENTILATION (DCV) - CO2 SENSOR'S SHALL BE IMPLEMENTED TO CONTROL THE VENTILATION REQUIREMENTS OF ZONES VENTILATED VIA RTU05 THROUGH RTU17.

THE MINIMUM REQUIRED OUTSIDE AIR (ZONE AREA x OA CFM PER SQFT) SHALL BE ADJUSTED USING CO2 SENSORS (SEE AIR BALANCE SCHEDULE). THE AMBIENT CO2 LEVELS ARE ASSUMED TO BE 400-PPM AND THE DCV SETPOINT IS 600-PPM. THIS PROVIDES A 200-PPM SAFETY MARGIN.

AIR BALANCE SCHEDULE

	OUTDOOR AIR (DCV - CO2 SENSOR)				ECONOMIZER	EXHAUST AND RELIEF AIR			ECONOMIZER
MARK	MIN OA CFM	DESIGN OA CFM	DESIGN SA CFM	DESIGN %OA	MAX OA CFM	MARK	MIN EA CFM	DESIGN EA CFM	MAX EA CFM
RTU01	0	0	1,200	N/A	N/A	RTU01	N/A	N/A	N/A
RTU02	90	90	1,600	5.6%	N/A	RTU02 BR	N/A	N/A	N/A
RTU03	85	385	2,400	16.0%	2,400	RTU03	75	345	2,160
RTU04	50	265	2,000	13.3%	2,000	RTU04	35	205	1,700
RTU05	1,120	1,550	5,200	29.8%	5,200	RTU05 BR	740	1,195	4,420
RTU06	1,120	1,550	5,200	29.8%	5,200	RTU06 BR	740	1,195	4,420
RTU07	1,120	1,550	5,200	29.8%	5,200	RTU07 BR	740	1,195	4,420
RTU08	1,120	1,550	5,200	29.8%	5,200	RTU08 BR	740	1,195	4,420
RTU09	1,120	1,550	5,200	29.8%	5,200	RTU09 BR	740	1,195	4,420
RTU10	860	1,190	4,000	29.8%	4,000	RTU10 BR	570	915	3,400
RTU11	860	1,190	4,000	29.8%	4,000	RTU11 BR	570	915	3,400
RTU12	1,120	1,550	5,200	29.8%	5,200	RTU12 BR	740	1,195	4,420
RTU13	1,120	1,550	5,200	29.8%	5,200	RTU13 BR	740	1,195	4,420
RTU14	1,120	1,550	5,200	29.8%	5,200	RTU14 BR	740	1,195	4,420
RTU15	1,120	1,545	5,200	29.7%	5,200	RTU15 BR	740	1,190	4,420
RTU16	1,120	1,545	5,200	29.7%	5,200	RTU16 BR	740	1,190	4,420
RTU17	330	770	4,000	19.3%	4,000	RTU17 BR	220	595	3,400
						EF01	1,025	1,025	1,025
						EF02	285	285	285
						EF03	1,955	1,955	1,955
TOTAL	13,475	19,370	71,200	27.2%	72,400	TOTAL	9,895	15,940	59,285
NET AIR FLOW	3,580	3,430			13,115	DESIGN CFM (+)	36.2%	21.5%	22.1%

NOTE: 1. FOR INTERLOCKING, SEE SCHEDULE NOTES. 2. DCV - DEMAND CONTROL VENTILATION. 3. AIRFLOWS SHOWN SHALL BE DURING OCCUPIED MODE. 4. FANS EF02 & EF03 (INTERMITTENT OPERATION FOR THERMOSTATIC HEAT CONTROL IN ELECTRICAL ROOMS) NOT INCLUDED IN TOTAL BUILDING PRESSURIZATION. 5. BAROMETRIC RELIEF (BR) VIA SPECIFIED RTU'S ALLOW FOR RELIEF AIR.

2023 FLORIDA INTERNATIONAL MECHANICAL CODE VENTILATION REQUIREMENTS - SECTION 403

UNIT MARK	ROOM NAME	VENTILATION TABLE OCCUPANCY CLASS	AREA SQ FT	PERSONS/ 1000 SQ FT	NUMBER PERSONS	OA CFM/ PERSON	OA CFM/ SQ FT	EXHST CFM/ SQ FT	NUMBER WC/UR/SH	EXHAUST CFM	TRANSFER AIR CFM	ZONE EFFECT	PRELIM OA CFM	FINAL OA *** CFM
RTU01	TELEPHONE	NOT REQUIRED	169										0 **	0 **
TELEPHONE UNIT														
												MINIMUM ZONE OUTDOOR AIR TOTAL	0	0
RTU02	MAIN ENTRY VESTIBULE	CORRIDORS	1,153				0.06					0.8	85	55
	MAIN EXIT VESTIBULE & ALCOVE 2	CORRIDORS	410				0.06					0.8	30	35
VESTIBULES UNIT														
												MINIMUM ZONE OUTDOOR AIR TOTAL	115	90
RTU03	MANAGER	OFFICE SPACES	99	5	1	5.0	0.06					0.8	15	20
	ASSISTANT MANAGER	OFFICE SPACES	71	5	1	5.0	0.06					0.8	10	20
	DM OFFICE	OFFICE SPACES	77	5	1	5.0	0.06					0.8	10	20
	CORRIDOR	CORRIDORS	103				0.06					0.8	10	20
	MONEY	OFFICE SPACES	86	5	1	5.0	0.06					0.8	15	20
	AP OFFICE	OFFICE SPACES	90	5	1	5.0	0.06					0.8	15	20
	TRAINING ROOM	CONFERENCE ROOMS	724	50	36	5.0	0.06					0.8	280	225
	LOWE'S UNIVERSITY	OFFICE SPACES	104	5	2	5.0	0.06					0.8	20	20
	PICK UP	STORAGE ROOMS	45				0.12					0.8	5	20
TRAINING/OFFICES UNIT														
												MINIMUM ZONE OUTDOOR AIR TOTAL	380	385
RTU04, EF01	BREAK ROOM	CONFERENCE ROOMS	752	50	38	5.0	0.06					0.8	295	185
	JANITOR'S CLOSET	NOT REQUIRED	46										0 **	0 **
	UNISEX	TOILET ROOMS - PUBLIC	59						1	70	70			
	MEN'S	TOILET ROOMS - PUBLIC	278						6	450	450			40
	WOMEN'S	TOILET ROOMS - PUBLIC	307						6	450	450			40
BREAK ROOM UNIT														
NOTE: EXHAUST FAN FOR EXHAUST AIR REMOVAL.												MINIMUM ZONE OUTDOOR AIR TOTAL	295	265
RTU05-16	SALES	SALES	94,270	15	402	7.5	0.12					0.8	17,910	17,870
SALES FLOOR UNITS														
NOTE: ACTUAL NUMBER OF PERSONS DETERMINED PER LOWE'S CORPORATE SALES DATA; CLC VESTIBULE AND ALCOVE OPEN TO SALES.												MINIMUM ZONE OUTDOOR AIR TOTAL	17,910	17,870
RTU17	RECEIVING	SHIPPING AND RECEIVING	5,439	2	2	10	0.12					0.8	840	750
	RECEIVING/DELIVERY OFFICE	OFFICE SPACES	106	5	1	5.0	0.06					0.8	15	20
RECEIVING AREA UNITS														
NOTE: RECEIVING/DELIVERY OFFICE IS OPEN VIA ITS CEILING TO THE RECEIVING AREA.												MINIMUM ZONE OUTDOOR AIR TOTAL	855	770
-	SPRINKLER	NOT REQUIRED	391										0 **	0 **
NOTE: BASEBOARD HEATER FOR FREEZE PROTECTION.												MINIMUM ZONE OUTDOOR AIR TOTAL	0	0
EF02	ELECTRICAL ROOM 2	NOT REQUIRED	66										0 **	0 **
NOTE: EXHAUST FAN FOR HEAT REMOVAL.												MINIMUM ZONE OUTDOOR AIR TOTAL	0	0
EF03	ELECTRICAL ROOM 1	NOT REQUIRED	554										0 **	0 **
NOTE: EXHAUST FAN FOR HEAT REMOVAL.												MINIMUM ZONE OUTDOOR AIR TOTAL	0	0
* NATURAL VENTILATION: OPENABLE OUTSIDE OPENING (DOOR/WINDOW) AREA GREATER THAN OR EQUAL TO 4 PERCENT FLOOR AREA - 2023 IMC SECTIONS 402.1 & 402.2.														
** 2023 IMC TABLE 403.3.1.1 DOES NOT CLASSIFY THIS TYPE OF SPACE.												MINIMUM OUTDOOR AIR TOTAL		19,380
*** FINAL OA CALCULATED VIA 2023 IMC SECTION 403.3.1.1.2.3 "MULTIPLE ZONE RECIRCULATING SYSTEMS.														

MECHANICAL SCHEDULES

LENNOX PACKAGED ROOFTOP UNIT SCHEDULE (DX COOLING AND ELECTRIC HEATING)

MARK	PRIMARY SERVICE AREA (SALES FLOOR P - PERIMETER; SALES FLOOR I - INTERIOR)	NOVAR CONTROL RTU NAME	TONS	PROVIDE WITH DROP DIFFUSER	PROVIDE WITH COIL COAT	HUMIDITROL	PROVIDE WITH HEAT	PROVIDE WITH MULTI-STAGE AIR VOLUME	OA CFM SETTING	DESIGN CONDITIONS				AIRFLOW			COOLING MBH @ 95 OAT			HEATING					ELECTRICAL		LENNOX	
										SUMMER OUTDOOR	SUMMER INDOOR	WNTER OUTDOOR	WNTER INDOOR	SUPPLY CFM	MOTOR HP	ESP IN	SENS 80/67	TOTAL 80/67	EFFICIENCY EER (SEER) / IEER	FUEL	HEAT KW	OUTPUT MBH	EAT °F	LAT °F	VOLT/ PHASE	MIN CIR AMP	MOCP	MODEL #	TONS
RTU01	TELEPHONE	TCMP-01	3	NO	YES	NO	NO	YES	0	91.9 DB/78.0 WB	75 DB/50% RH	-	70 DB	1,200	1.5	0.75	29.2	36.0	(21.2) / N/A	N/A	N/A	N/A	N/A	N/A	460/3	11	15	LCM 036 U5E NxG	3
RTU02	VESTIBULES	VEST-02	4	NO	YES	NO	NO	YES	90	91.9 DB/78.0 WB	75 DB/50% RH	45.0 DB	70 DB	1,600	1.5	1.0	40.1	50.2	(19.9) / N/A	ELEC	15.0	51.2	67.2	98.8	460/3	26	30	LCM 048 U5E ExG	4
RTU03	OFFICES/PICK UP	OFC-PPU-03	6	NO	YES	YES	YES	YES	385	91.9 DB/78.0 WB	75 DB/50% RH	45.0 DB	70 DB	2,400	1.5	1.0	58.3	72.0	12.2 / 23.1	ELEC	22.5	76.8	64.4	94.0	460/3	37	40	LCM 074 U5E GxG	6
RTU04	BREAK ROOM	OFC-BRK-04	5	NO	YES	YES	YES	YES	265	91.9 DB/78.0 WB	75 DB/50% RH	45.0 DB	70 DB	2,000	1.5	1.0	50.9	62.9	(19.5) / N/A	ELEC	22.5	76.8	65.0	100.6	460/3	37	40	LCM 060 U5E GxG	5
RTU05	SALES FLOOR - P	SFP-LBRF-05	13	YES	YES	NO	NO	YES	1550	91.9 DB/78.0 WB	75 DB/50% RH	45.0 DB	70 DB	5,200	3.0	0.52	118.7	160.4	12.2 / 19.0	ELEC	45.0	153.6	61.7	89.1	460/3	74	80	LCM 156 U5M KxG	13
RTU06	SALES FLOOR - P	SFP-POS-06	13	YES	YES	NO	NO	YES	1550	91.9 DB/78.0 WB	75 DB/50% RH	45.0 DB	70 DB	5,200	3.0	0.52	118.7	160.4	12.2 / 19.0	ELEC	45.0	153.6	61.7	89.1	460/3	74	80	LCM 156 U5M KxG	13
RTU07	SALES FLOOR - P	SFP-POS-07	13	YES	YES	NO	NO	YES	1550	91.9 DB/78.0 WB	75 DB/50% RH	45.0 DB	70 DB	5,200	3.0	0.52	118.7	160.4	12.2 / 19.0	ELEC	45.0	153.6	61.7	89.1	460/3	74	80	LCM 156 U5M KxG	13
RTU08	SALES FLOOR - P	SFP-GCF-08	13	YES	YES	NO	NO	YES	1550	91.9 DB/78.0 WB	75 DB/50% RH	45.0 DB	70 DB	5,200	3.0	0.52	118.7	160.4	12.2 / 19.0	ELEC	45.0	153.6	61.7	89.1	460/3	74	80	LCM 156 U5M KxG	13
RTU09	SALES FLOOR - P	SFP-GCR-09	13	YES	YES	NO	NO	YES	1550	91.9 DB/78.0 WB	75 DB/50% RH	45.0 DB	70 DB	5,200	3.0	0.52	118.7	160.4	12.2 / 19.0	ELEC	45.0	153.6	61.7	89.1	460/3	74	80	LCM 156 U5M KxG	13
RTU10	SALES FLOOR - I	SFI-10	10	YES	YES	NO	NO	YES	1190	91.9 DB/78.0 WB	75 DB/50% RH	45.0 DB	70 DB	4,000	3.75	0.60	75.1	115.5	12.2 / 20.7	ELEC	45.0	153.6	61.7	97.3	460/3	73	80	LCM 120 U5E KxG	10
RTU11	SALES FLOOR - I	SFI-11	10	YES	YES	NO	NO	YES	1190	91.9 DB/78.0 WB	75 DB/50% RH	45.0 DB	70 DB	4,000	3.75	0.60	75.1	115.5	12.2 / 20.7	ELEC	45.0	153.6	61.7	97.3	460/3	73	80	LCM 120 U5E KxG	10
RTU12	SALES FLOOR - I	SFI-12	13	YES	YES	NO	NO	YES	1550	91.9 DB/78.0 WB	75 DB/50% RH	45.0 DB	70 DB	5,200	3.0	0.52	118.7	160.4	12.2 / 19.0	ELEC	45.0	153.6	61.7	89.1	460/3	74	80	LCM 156 U5M KxG	13
RTU13	SALES FLOOR - P	SFP-LBRR-13	13	YES	YES	NO	NO	YES	1550	91.9 DB/78.0 WB	75 DB/50% RH	45.0 DB	70 DB	5,200	3.0	0.52	118.7	160.4	12.2 / 19.0	ELEC	45.0	153.6	61.7	89.1	460/3	74	80	LCM 156 U5M KxG	13
RTU14	SALES FLOOR - P	SFP-14	13	YES	YES	NO	NO	YES	1550	91.9 DB/78.0 WB	75 DB/50% RH	45.0 DB	70 DB	5,200	3.0	0.52	118.7	160.4	12.2 / 19.0	ELEC	45.0	153.6	61.7	89.1	460/3	74	80	LCM 156 U5M KxG	13
RTU15	SALES FLOOR - P	SFP-15	13	YES	YES	NO	NO	YES	1545	91.9 DB/78.0 WB	75 DB/50% RH	45.0 DB	70 DB	5,200	3.0	0.52	118.7	160.4	12.2 / 19.0	ELEC	45.0	153.6	61.7	89.1	460/3	74	80	LCM 156 U5M KxG	13
RTU16	SALES FLOOR - P	SFP-16	13	YES	YES	NO	NO	YES	1545	91.9 DB/78.0 WB	75 DB/50% RH	45.0 DB	70 DB	5,200	3.0	0.52	118.7	160.4	12.2 / 19.0	ELEC	45.0	153.6	61.7	89.1	460/3	74	80	LCM 156 U5M KxG	13
RTU17	RECEIVING AREA	REC-17	10	YES	YES	NO	NO	YES	770	91.9 DB/78.0 WB	75 DB/50% RH	45.0 DB	70 DB	4,000	3.75	0.60	75.1	115.5	12.2 / 20.7	ELEC	45.0	153.6	61.7	97.3	460/3	74	80	LCM 120 U5E KxG	10

NOTES:
1. LENNOX SHALL BE PROPRIETARY FOR ALL SCHEDULED DATA, UNIT TYPE, CONSTRUCTION AND NOTED OPTIONS & ACCESSORIES; ANY SUBSTITUTIONS SHALL BE PERMITTED ONLY UPON WRITTEN AUTHORIZATION OF LOWE'S ENGINEERING DEPARTMENT; EXCEPTION: HEATING CAPACITY CHANGES SHALL BE DIRECTLY BY THE ENGINEER OF RECORD; ALSO SEE SHEET M1.00 FOR ADDITIONAL NOTES.
2. PROVIDE W/ MANUFACTURER'S STANDARD FEATURES (PROPRIETARY), OPTIONS IN MODEL NUMBER, OPTIONS IN SCHEDULE, SUPPLY AIR DUCT SMOKE DETECTORS (UNITS OVER 2,000 SUPPLY AIR CFM ONLY, SEE DETAIL 01-M4.00), STRUCTURAL CURB (16", INSULATED, FURNISHED BY AES INDUSTRIES, INC., SEE DETAILS ON SHEETS M4.00 & M4.01), ECONOMIZER WITH BAROMETRIC RELIEF (ALL UNITS OVER 4 TONS; ALL UNITS 4 TONS OR LESS SHALL HAVE MOTORIZED OA DAMPER WITH 0-30% OA UNLESS ZERO OA), HAIL GUARDS, DISCONNECT SWITCH, LOWE'S STANDARD WARRANTY ON PARTS AND COMPRESSORS AND AHRI CERTIFICATION.
3. EXTERNAL STATIC PRESSURE SHOWN ON SCHEDULE ACCOUNTS ONLY FOR THE DUCTWORK AND GRILLES; ALL OTHER COMPONENTS INCLUDING UNIT CABINET, FILTERS, ECONOMIZER, WET COIL, AND HEATING SECTIONS SHALL BE INCLUDED BY THE MANUFACTURER FOR SELECTING EVAPORATOR FAN HORSEPOWER WITH TOTAL STATIC PRESSURE.
4. THE LENNOX REPRESENTATIVE, UPON SYSTEM START-UP, SHALL PROGRAM THE RTU IDENTIFICATION NUMBERS IN THE PRODIGY AND BACNET BOARDS.
5. MOTORIZED CONTROL DAMPERS (OUTDOOR AIR) SHALL OPEN TO BALANCED POSITION AND MODULATE, WHERE REQUIRED, DURING OCCUPIED MODE AND FULLY CLOSE DURING UNOCCUPIED MODE: MOTORIZED CONTROL DAMPERS (RETURN AIR) SHALL OPEN TO BALANCED POSITION AND MODULATE, WHERE REQUIRED, DURING OCCUPIED MODE AND FULLY OPEN DURING UNOCCUPIED MODE: ECONOMIZER CYCLE (100% OA), WHERE REQUIRED, SHALL ENERGIZE AT +25 BTU/LB ENTHALPY (ADJ); THERMOSTATS AND/OR TEMPERATURE SENSORS SHALL BE SET TO 75°F/85°F (ADJ) COOLING (OCCUPIED/UNOCCUPIED) AND 70°F/60°F (ADJ) HEATING (OCCUPIED/UNOCCUPIED); HUMIDITY SENSORS SHALL BE SET TO 50% RELATIVE HUMIDITY (ADJ); UPON THE DETECTION OF PRODUCTS OF COMBUSTION, THE UNIT'S SUPPLY AIR SMOKE DUCT DETECTOR, WHERE REQUIRED, SHALL DE-ENERGIZE THE UNIT (RELAY FROM DETECTOR SHALL BE SIGNALED TO FIRE ALARM SYSTEM (BY OTHERS) & BUILDING AUTOMATION SYSTEM); COORDINATE WITH OWNER FOR SCHEDULE AND NOVAR FOR OTHER LOWE'S BAS MONITORING & CONTROL DDC INPUTS/OUTPUTS.
6. UNIT SHALL BE TESTED, ADJUSTED AND BALANCED AND SHALL OPERATE PER MANUFACTURER'S WRITTEN SEQUENCE OF OPERATIONS FOR ALL ACCESSORIES AND OPTIONS.
7. HVAC CONTRACTOR TO SUBMIT EFFICIENCY VERIFICATION FOR ALL EQUIPMENT TO BE INSTALLED TO THE DESIGNER OF RECORD BEFORE INSTALLATION. AFTER REVIEW AND APPROVAL, THE DESIGNER OF RECORD TO SUBMIT EFFICIENCY VERIFICATION FOR ALL EQUIPMENT TO BE INSTALLED TO THE BUILDING DEPARTMENT FOR APPROVAL BEFORE INSTALLATION.

EXHAUST FAN SCHEDULE

MARK	LOCATION	AREA OF SERVICE	CFM	EXT SP (IN H_2O)	FAN TYPE	WHEEL TYPE	WHEEL DIA (IN)	FRPM	DRIVE	MOTOR HP (WATTS)	MOTOR VOLTS/HZ/PH	MOTOR TYPE	MOTOR RPM	WEIGHT (LBS)	REMARKS
EF01	ROOF	TOILETS, JAN CLOSET	1,025	0.528	DN BLAST	BI	13.7	1,185	DIRECT	1/2	115/60/1	ODP	1,725	51	GREENHECK G-120-VG
EF02	ROOF	ELECTRICAL ROOM	285	0.345	DN BLAST	BI	10.9	1,411	DIRECT	1/10	115/60/1	ODP	1,725	50	GREENHECK G-080-VG
EF03	ROOF	ELECTRICAL	1,955	0.337	DN BLAST	BI	14.6	1,199	DIRECT	1/2	115/60/1	ODP	1,200	100	GREENHECK G-143-VG

NOTES:
1. GREENHECK IS BASIS-OF-DESIGN FOR ALL SCHEDULED DATA, UNIT TYPE, CONSTRUCTION AND NOTED OPTIONS & ACCESSORIES; ANY SUBSTITUTIONS SHALL BE REVIEWED & COMPARED DIRECTLY FOR APPROVAL WITH MODEL LISTED; ALTERNATIVE MANUFACTURERS: LOREN COOK AND AMERICAN COOLAIR.
2. UP BLAST AND DN BLAST FANS: PROVIDE W/ MANUFACTURER'S STANDARD FEATURES (BASIS-OF-DESIGN), EC MOTOR, DISCONNECT SWITCH, JUNCTION BOX MOUNTED & WIRED, ALUMINUM BIRD SCREEN, SPEED CONTROLLER (EF01 REMOTE DIAL, ALL OTHERS ON FAN), 24V TRANSFORMER (EF01 ONLY, MOUNTED & WIRED), GRAVITY BACKDRAFT DAMPER (ALUMINUM BLADES), ALUMINUM ROOF CURB (16 INCHES, 1.5" INSULATION, DAMPER TRAY), HINGED CURB CAP KIT W/ CABLES, CURB SEAL, STANDARD 1 YEAR WARRANTY, UL LISTING AND AMCA CERTIFICATION.
3. FOR HIGH WIND ZONES (INCLUDING HURRICAN ZONES): PROVIDE W/ MANUFACTURER'S TIE-DOWN POINTS (SET OF 4) AND HIGH WIND (HURRICANE) RATED ASSEMBLIES.
4. FOR SEISMIC ZONES: PROVIDE W/ MANUFACTURER'S SEISMIC RATED ASSEMBLIES (OSHPD CERTIFIED).
5. FAN EF01 SHALL BE INTERLOCKED WITH RTU04; FANS EF02 & EF03 SHALL EACH BE CONTROLLED BY THEIR RESPECTIVE SPACE THERMOSTAT (SETPOINT 80° F, ADJ)
6. UNIT SHALL BE TESTED, ADJUSTED AND BALANCED AND SHALL OPERATE PER MANUFACTURER'S WRITTEN SEQUENCE OF OPERATIONS FOR ALL ACCESSORIES AND OPTIONS.

GRILLES, REGISTERS AND DIFFUSERS SCHEDULE

MARK	SERVICE AREA	TYPE	MAX CFM	INLET SIZE WxD OR DIA IN	MAX PD (IN H_2O)	REMARKS
A	OPEN	ALUMINUM SLANT FACE DROP DIFFUSER (17.5 - 20 TON)	8,000	30x30	0.50	AES ADB-1-20-4, ADJUSTABLE VANES, SEE DETAIL 4-M4.01
B	OPEN	ALUMINUM SLANT FACE DROP DIFFUSER (13 - 15 TON)	6,000	28x28	0.50	AES ADB-1-15-4, ADJUSTABLE VANES, SEE DETAIL 4-M4.01
C	OPEN	ALUMINUM SLANT FACE DROP DIFFUSER (12.5 TON)	5,000	24x24	0.50	AES ADB-1-12-4, ADJUSTABLE VANES, SEE DETAIL 4-M4.01
D	OPEN	ALUMINUM SLANT FACE DROP DIFFUSER (10 TON)	4,000	24x24	0.50	AES ADB-1-10-4, ADJUSTABLE VANES, SEE DETAIL 4-M4.01
E	OPEN	ALUMINUM SLANT FACE DROP DIFFUSER (6 - 7.5 TON)	3,000	19x19	0.50	AES ADB-1-7-4, ADJUSTABLE VANES, SEE DETAIL 4-M4.01
F	OPEN	ALUMINUM SLANT FACE DROP DIFFUSER (3 - 5 TON)	2,000	14x14	0.50	AES ADB-1-5-4, ADJUSTABLE VANES, SEE DETAIL 4-M4.01
1	OFFICE	ALUMINUM 4-WAY LOUVERED SUPPLY, 24"x24" LAY-IN, ROUND INLET	1,000	6ø, 8ø, 10ø, 12ø, 14ø, 16ø	0.10	PRICE AMD, SQUARE TO ROUND ADAPTER, BALANCING DAMPER, SEE DETAIL 6-M4.01
2	OFFICE	ALUMINUM EGG CRATE (1/2"x1/2"x1/2") RETURN OR TRANSFER, 24"x24" LAY-IN	1,680	6x6, 8x8, 10x10, 12x12, 14x14, 22x22	0.05	PRICE 80, BALANCING DAMPER
3	OFFICE	ALUMINUM EGG CRATE (1/2"x1/2"x1/2") EXHAUST, 24"x24" LAY-IN	1,680	6x6, 8x8, 10x10, 12x12, 14x14, 22x22	0.05	PRICE 80, BALANCING DAMPER
4	MONEY ROOM	ALUMINUM 4-WAY LOUVERED SUPPLY, SURFACE MOUNT, ROUND INLET	1,000	6ø, 8ø, 10ø, 12ø, 14ø, 16ø	0.10	PRICE AMD, SQUARE TO ROUND ADAPTER, BALANCING DAMPER, SEE DETAIL 6-M4.01
5	MONEY ROOM	ALUMINUM EGG CRATE (1/2"x1/2"x1/2") RETURN OR TRANSFER, SURFACE MOUNT	1,680	6x6, 8x8, 10x10, 12x12, 14x14, 22x22	0.05	PRICE 80, BALANCING DAMPER
6	TELEPHONE, MAINTENANCE	ALUMINUM SINGLE DEFLECTION SUPPLY, VERTICAL BLADES, SURFACE MOUNT	1,600	18x10, 24x14, 24x18	0.10	PRICE 610, BALANCING DAMPER, SEE DETAIL 6-M4.01
7	OFFICE	ALUMINUM ZERO DEFLECTION RETURN, HORIZONTAL FIXED BLADES, SURFACE MOUNT	1,600	24x16, 24x20	0.05	PRICE 610Z, BALANCING DAMPER

NOTES:
1. AES INDUSTRIES, INC. SHALL BE PROPRIETARY AND PRICE IS BASIS-OF-DESIGN FOR ALL SCHEDULED DATA, UNIT TYPE, CONSTRUCTION AND NOTED OPTIONS & ACCESSORIES; ANY SUBSTITUTIONS (PRICE ONLY) SHALL BE REVIEWED & COMPARED DIRECTLY FOR APPROVAL WITH MODEL LISTED; ALTERNATIVE MANUFACTURERS: TITUS, TUTTLE & BAILEY, KRUEGER AND METAL AIRE.
2. PROVIDE W/ MANUFACTURER'S STANDARD FEATURES (PROPRIETARY & BASIS-OF-DESIGN), BAKED WHITE FINISH, DUCT COLLARS (AS REQUIRED), FRAMES, ALL OPTIONS LISTED IN SCHEDULE AND STANDARD WARRANTY.
3. NECK SIZE OF SUPPLY DIFFUSER SHALL BE SAME SIZE AS DUCT SERVING SUPPLY DIFFUSER (SEE PLANS); SUPPORT DIFFUSERS, REGISTERS AND GRILLES FROM STRUCTURE.

FOR NATIONAL ACCOUNT PRICING INFORMATION CONTACT THE FOLLOWING:

LENNOX ROOFTOP UNITS:
FOR EQUIPMENT QUOTATIONS, CONTACT YOUR LOCAL LENNOX SALES OFFICE OR CONTACT 1-800-367-6285, ATTENTION: LOWE'S ACCOUNT SPECIALIST

FOR STRUCTURAL CURBS & DROP DIFFUSERS CONTACT:
AES INDUSTRIES, INC. 2171 HIGHWAY 229 PO BOX 781147 TALLASSEE, AL 36078 1-800-786-0402

FINAL	SECOND	ORIGINAL

REVISIONS
◇ PRE-BID SET ISSUE DATE △ POST BID SET ISSUE DATE

DATE		DESCRIPTION
10.06 2026	3	CRITERIA UPDATES

Ryan Crawford — Digitally signed by Ryan Crawford — DN: cn=Ryan Crawford, o=PAGE, ou=Civil, email=RCrawford@pagenet.com, c=US — Date: 2025.10.06 12:29:29 -04'00'
No. 89248 STATE OF FLORIDA PROFESSIONAL ENGINEER
10.06.2025

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MECHANICAL SCHEDULES

LOWE'S OF WESTLAKE
5683 SEMINOLE PRATT WHITNEY RD.
Westlake, Florida, 33470

PCN: 77-00-51-29-00-000.0010
PROJECT No: 24209 DRAWN BY: JBM CHECKED BY: RJC

CRITERIA ISSUE DATE: 02-2025
PERMIT SET ISSUE DATE: 08-22-2025
CONSTRUCTION SET ISSUE DATE: 04-14-2025
DRAWING NUMBER:
M1.01