LENNOX HEAT PUMP CONDENSING UNIT SCHEDULE

EQUIPMENT FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR REFER TO SPECIFICATIONS.

MARK	MODEL	INDOOR UNIT	REFR TYPE	COOLING CAPACITY (BTU/H)	HEATING CAPACITY (BTU/H)	COOLING SEER	HEATING COP	ELECTRICAL DATA			WEIGHT (LB)	NOTES
								MCA	MOCP	V/PH/HZ		
CU 1	MLA012S4S	FCU 1	R-410A	18000	17800	19	3.67	9.0	15	208/1/60	94	A - D

GENERAL INFORMATION:
1. FURNISHED WITH MANUFACTURER'S REFRIGERANT LINESET.

NOTES:
A. FURNISHED WITH COMPRESOR HARD START KIT.
B. FURNISHED WITH WITH LOW AMBIENT KIT, CRANKCASE HEATER, AND FREEZESTAT.
C. DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR.
D. COORDINATE SIZE OF CONDUCTOR TERMINATION LUGS WITH CONDUCTOR SIZES SHOWN ON ELECTRICAL DRAWINGS.

LENNOX FAN COIL UNIT (DUCTLESS MINI-SPLIT) SCHEDULE

ALL PRODUCTS ON THIS SCHEDULE ARE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. REFER TO SPECIFICATIONS.

MARK	MODEL	OUTDOOR UNIT	SUPPLY AIR CFM (HIGH/MEDIUM/LOW)	COOLING CAPACITY (BTU/H)	HEATING CAPACITY (BTU/H)	ELECTRICAL DATA			WEIGHT (LBS)
						MCA	V/PH/HZ		
FCU 1	MZ2A012S4	CU 1	360/310/260	12000	14000	1 A	208/1/60		41

GENERAL INFORMATION:
1. FURNISH WITH MANUFACTURER'S WIRED CONTROLLER.
2. FURNISH WITH MANUFACTURER'S REFRIGERANT LINESET.
3. FURNISH WITH MANUFACTURER'S STANDARD CLEANABLE AIR FILTER.
4. DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR.
5. FURNISH WITH MANUFACTURER INTEGRAL CONDENSATE PUMP PART#Y7949

FAN SCHEDULE

MARK	AREA SERVED	MANUFACTURER	MODEL	CFM	E.S.P. (IN.)	MOUNTING FAN TYPE	VOLTS	PH	HP	DRIVE	CONTROL METHOD	NOTES
EF13	FAMILY TOILET	GREENHECK	VEDK05J2 PRN080 DX10R G-080-D	0.375		ROOFTOP CENTRIFUGAL	120	1	0.125	DIRECT	CONTINUOUS	A, B, C, D, E

GENERAL INFORMATION:
1. FANS MUST AMCA CERTIFIED AS WELL AS UL OR ETL LISTED.
2. SCHEDULED FAN HORSEPOWERS ARE MINIMUM AND MAY VARY BETWEEN MANUFACTURERS.

NOTES:
A. FURNISH WITH FACTORY MOUNTED DISCONNECT.
B. FURNISH WITH GRAVITY BACKDRAFT DAMPER AND BIRDSCREEN.
C. ROOF CURB PROVIDED BY GENERAL CONTRACTOR. REFER TO SPECIFICATIONS.
D. FURNISH WITH FACTORY PROVIDED FAN SPEED CONTROLLER.
E. FASTEN THE BASE OF EQUIPMENT TO ROOF CURB WITH (8) #10 SCREWS WITH BONDED NEOPRENE WASHERS (2 PER SIDE).
F. PROVIDE SAIL SWITCH (HONEYWELL #S688A).
G. REF ELECTRICAL DRAWINGS FOR INFORMATION REGARDING FAN INTERLOCK.
H. REF ELECTRICAL DRAWINGS FOR INFORMATION REGARDING FAN CONTROL.
I. PROVIDE WITH MANUFACTURER'S CEILING GRILLE.
J. PROVIDE 8" CURB EXTENSION.
K. FURNISH WITH MANUFACTUTRER'S HINGE KIT AND INSTALL KIT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS FOR NFPA 96 CLEANING ACCESS.

AIR CURTAIN SCHEDULE

MARK	AREA SERVED	MANUFACTURER	MODEL	WEIGHT (LBS)	FAN MOTORS			ELECTRICAL DATA			NOTES
					HP	VOLTS	PH	FLA	MCA	MOCP	
AC 1	OGP	BERNER POWERED AIRE	CHD10-1040A ETA 1-49	104	0.75	120	1	8.0	10.0	15	A, H, I, K, M

GENERAL INFORMATION (ALL DEVICES):
1. AIR CURTAINS FURNISHED AND INSTALLED BY CONTRACTOR.
2. INSTALL BOTTOM OF WALL MOUNTED AIR CURTAIN AT ELEVATION INDICATED ON DRAWINGS UNLESS NOTED OTHERWISE.
3. PROVIDE A DEDICATED ELECTRICAL CIRCUIT FOR EACH AIR CURTAIN WHEN MULTIPLE AIR CURTAINS ARE INSTALLED AT A SINGLE OPENING.

NOTES:
A. FURNISH WITH FACTORY MOUNTED NON-FUSED TOGGLE DISCONNECT SWITCH LOCATED ON TOP OF AIR CURTAIN.
B. FURNISH WITH MANUFACTURER'S 120V PHOTOELECTRIC SENSOR SWITCH, SENSOR REFLECTOR, AND REQUIRED ACCESSORIES TO ENERGIZE ALL AIR CURTAINS AT EACH DOOR ON HIGH SPEED WHEN DOOR OPENS AND DE-ENERGIZE AIR CURTAINS WHEN DOOR CLOSES.
C. UNIT SHALL BE TOP MOUNTED. FOR CURTAIN INSTALLATIONS NOT DETAILED ON ARCHITECTURAL DRAWINGS, SUSPEND CURTAINS FROM UNISTRUT INSTALLED BELOW DOOR TRACK AND SPANNING ENTIRE DOOR OPENING AS REQUIRED. SUPPORT UNISTRUT FROM STRUCTURE.
D. AS REQUIRED, ALL OPENINGS WITH TWO AIR CURTAINS TO BE FURNISHED WITH A FIELD MOUNTED AND WIRED RELAY TO ALLOW FOR ONE SWITCH TO ACTIVATE TWO AIR CURTAINS.
E. BERNER UNIT SHALL BE FURNISHED WITH FACTORY INSTALLED SINGLE PHASE CONTROL PANEL, LEFT END.
F. BERNER UNIT SHALL BE FURNISHED WITH TANDEM PERFORMANCE KITS.
G. BERNER UNIT SHALL BE FURNISHED WITH FACTORY INSTALLED INTELLISWITCH DIGITAL CONTROLLER.
H. FURNISH WITH A FIELD MOUNTED AND WIRED 24V MAGNETIC LIMIT DOOR SWITCH AND TIME DELAY TO ENERGIZE AIR CURTAIN WHEN DOOR OPENS AND CONTINUE OPERATION FOR 60 SECONDS AFTER DOOR CLOSES.
I. FURNISH WITH WALL MOUNT L BRACKETS. INSTALL BOTTOM OF AIR CURTAIN, PER MANUFACTURER'S INSTALLATION INSTRUCTIONS, AT 2" INCHES ABOVE CLEAR DOOR OPENING AND 1" OFF DOOR FACE TO ACCOUNT FOR DOOR HARDWARE, ACCESSORIES, OBSTRUCTIONS ABOVE DOOR OPENING, AND WALL THICKNESS.
J. INSTALL BOTTOM OF AIR CURTAIN NO HIGHER THAN 8'-0" AFF. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
K. AIR CURTAIN SHALL BE TESTED IN ACCORDANCE WITH ANSI/AMCA 220.
L. UNITS SHALL BE BLACK IN COLOR.
M. BERNER FURNISHED WITH FACTORY INSTALLED FAN SPEED CONTROL WITH TAMPER PROOF COVER.

AIR DEVICE SCHEDULE

MARK	SERVICE	MANUFACTURER	MODEL	STYLE	FRAME TYPE	FACE SIZE	NOTES
CD	SUPPLY AIR	TUTTLE & BAILEY E.H.PRICE CARNES	S1200 SCD SFTB	ROUND NECK CEILING DIFFUSER	LAY-IN	24"x24"	B, D, E
CD1	SUPPLY AIR	TUTTLE & BAILEY E.H.PRICE CARNES	M SMD SKFA	ROUND NECK CEILING DIFFUSER	SURFACE MOUNT	REFER TO DRAWINGS	B, E, I, L, M, N
EAG1	EXHAUST AIR	TUTTLE & BAILEY E.H.PRICE CARNES	CRE500 80F RAPAF	1/2"x1/2"x1/2" EGGCRATE CEILING GRILLE	SURFACE MOUNT	REFER TO DRAWINGS	C, E, I, M, N
RAG	RETURN AIR	TUTTLE & BAILEY E.H.PRICE CARNES	CRE500 80TB RAPAH	1/2"x1/2"x1/2" EGGCRATE CEILING GRILLE	LAY-IN	24"x24"	C, D, E, F
SAW	SUPPLY AIR	TUTTLE & BAILEY E.H.PRICE CARNES	T64 520DS RTDBV	LOUVERED FACE REGISTER	SURFACE MOUNT	REFER TO DRAWINGS	B, E, F, I
TG	TRANSFER AIR	TUTTLE & BAILEY E.H.PRICE CARNES	CRE500 80TB RAPAH	1/2"x1/2"x1/2" EGGCRATE CEILING GRILLE	LAY-IN	24"x24"	C, D, E, M
TG1	TRANSFER AIR	TUTTLE & BAILEY E.H.PRICE CARNES	CRE500 80F RAPAF	1/2"x1/2"x1/2" EGGCRATE CEILING GRILLE	SURFACE MOUNT	REFER TO DRAWINGS	C, E

VOLUME / BALANCE DAMPER SCHEDULE

TYPE	MANUFACTURER / MODEL
ROUND	AES / WMVCD RUSKIN / WMRS25
RECTANGULAR	AES / AMD4 RUSKIN / WMD25

GENERAL INFORMATION (ALL DEVICES):
1. INSTALL BOTTOM OF WALL MOUNTED AIR DEVICES AT ELEVATION INDICATED ON DRAWINGS UNLESS NOTED OTHERWISE.
2. BALANCE DAMPER CONTACTS:
   AES - (800) 796-0402
   RUSKIN - (816) 761-7476

NOTES:
A. 4-WAY (DB1-DB3) OR 4-WAY (DB4-DB8) THROW UNLESS SHOWN OTHERWISE WITH FLOW ARROWS ON PLAN.
B. ALL STEEL CONSTRUCTION.
C. ALL ALUMINUM CONSTRUCTION.
D. BRANCH DUCT SIZE SHALL BE SAME AS NOTED DIFFUSER NECK SIZE UNLESS NOTED OTHERWISE.
E. STANDARD WHITE FINISH.
F. PROVIDE NECK FOR DUCT CONNECTION.
G. DROP BOX DIFFUSERS FURNISHED BY OWNER INSTALLED BY CONTRACTOR. REFERENCE SPECIFICATIONS.
H. PROVIDE INTEGRAL OPPOSED BLADE DAMPERS ON ALL DRUM LOUVERS ON DROP BOXES WITH BRANCH DUCTWORK ATTACHED TO THE SUPPLY PLENUM.
I. PROVIDE MANUFACTURER'S OPPOSED BLADE DAMPER ACCESSIBLE THROUGH FACE UNLESS NOTED OTHERWISE.
J. PROVIDE WITH FASTENERS FOR COMPLETE (NON-HINGED) REMOVABILITY OF GRILLE. DO NOT PROVIDE FILTER UNLESS NOTED OTHERWISE.
K. TWO 2" SLOTS WITH MANUFACTURER'S INSULATED PLENUM (TUTTLE & BAILEY LP, PRICE JSPI, CARNES CXPC.)
L. REFER TO PLANS FOR DIRECTIONAL ARROWS INDICATING CFM THROWS FOR PROPER GRILLE SELECTION. NO DIRECTIONAL ARROWS INDICATES 4-WAY THROW.
M. PROVIDE ROUND NECK ADAPTER
N. PROVIDE CEILING TRANSITION REGISTER BOX WITH 16" OR 24" PLATE FOR ROUGH-IN.

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03/30/2021

MECHANICAL SCHEDULES

SHEET: M3

DUSTIN R. PADGET