

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION	FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KX-1 (K114)	1	GREASE BOX.			1	HEATED DRAIN KIT FOR RTU. REQUIRED FOR WINTER DESIGN TEMP OF 0 DEGREES F AND LOWER.
		1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS.			1	COMMERCIAL SMOKE DETECTOR/ALARM INTERLOCK (SUPPLIED BY OTHERS).
		1	LOAD REACTOR MOUNTED IN FAN.			1	OCCUPIED SCHEDULING.
		1	2 YEAR PARTS WARRANTY.			1	RTU SIZE 2 SIDE DISCHARGE.
2	KX-2A (K141)	1	GREASE BOX.			1	SIZE 2 RTU CURB DUCT HANGER.
		1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS.			1	10 TON MODULATING COOLING OPTION WITH HEAT PUMP, 460/480V. R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FAN(S).
		1	LOAD REACTOR MOUNTED IN FAN.			1	10 TON MODULATING REHEAT OPTION WITH HEAT PUMP. DISCHARGE DEWPOINT CONTROL.
		1	2 YEAR PARTS WARRANTY.			1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED.
3	KX-2B (K157.1)	1	1 19-BDD DAMPER.			1	VFD FACTORY MOUNTED AND WIRED IN COMMERCIAL CONTROL VESTIBULE FOR RTU.
		1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECPMO3 PREWIRE (TELCO MOTOR), CCW ROTATION.			1	VAV PACKAGE W/ 0-10VDC INPUT CONTROL (571 VFD INCLUDED).
		1	2 YEAR PARTS WARRANTY.			1	LOAD REACTOR MOUNTED IN FAN.
4	KX-3 (K191)	1	GREASE BOX.			1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS).
		1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS.			1	INLET PRESSURE GAUGE, 0-35".
		1	LOAD REACTOR MOUNTED IN FAN.			1	MANIFOLD PRESSURE GAUGE, -5 TO 15" WC.
		1	2 YEAR PARTS WARRANTY.			1	LOW FIRE START.
5	KX-4 (P134)	1	GREASE BOX.	9	KMUA-4 (P134)	1	MOTORIZED BACKDRAFT DAMPER FOR A1-D HOUSING. MEETS AMCA CLASS 1A RATING.
		1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS.			1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED.
		1	LOAD REACTOR MOUNTED IN FAN.			1	3 TON SINGLE CIRCUIT MODULAR PACKAGED COOLING OPTION FOR SIZE 1 DF/EH MUA (1,100 TO 1,800 CFM), 460V, 3 PHASE. COOLING THERMOSTAT OR PROGRAMMABLE STAT REQUIRED FOR PROPER OPERATION.
		1	2 YEAR PARTS WARRANTY.			1	DOWNTURN PLENUM FOR SIZE 1 DX COIL MODULE.
6	KMUA-1 (K114)	1	SIZE 2 DIRECT FIRED HEATER LOW CFM PROFILE PACKAGE. USED ON HEATERS UNDER 2500 CFM.			1	SEPARATE 120V WIRING PACKAGE (REQUIRED AND USED ONLY FOR DCV OR PREWIRE WITH VFD) - THREE PHASE ONLY.
		1	INLET PRESSURE GAUGE, 0-35".			1	LOAD REACTOR MOUNTED IN FAN.
		1	MANIFOLD PRESSURE GAUGE, -5 TO 15" WC.			1	2 YEAR PARTS WARRANTY.
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED.			1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE.
		1	MOTORIZED BACKDRAFT DAMPER FOR A2-D HOUSING. MEETS AMCA CLASS 1A RATING.			1	INLET PRESSURE GAUGE, 0-35".
		1	TOTAL CFM MONITORING FOR MUA UNITS.			1	TOTAL CFM MONITORING FOR DOAS.
		1	5 TON SINGLE CIRCUIT MODULAR PACKAGED COOLING OPTION FOR SIZE 2 DF/EH MUA (2,000 TO 3,000 CFM), 460V, 3 PHASE. COOLING THERMOSTAT OR PROGRAMMABLE STAT REQUIRED FOR PROPER OPERATION.			1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. QNTY 1 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" OPTION PREWIRE MUST BE SELECTED. DO NOT PROVIDE SUPPLY STARTER IN PREWIRE.
		1	SEPARATE 120V WIRING PACKAGE (REQUIRED AND USED ONLY FOR DCV OR PREWIRE WITH VFD) - THREE PHASE ONLY.			1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED.
		1	LOAD REACTOR MOUNTED IN FAN.			1	OVERHEAT STAT.
		1	2 YEAR PARTS WARRANTY.			1	VFD FACTORY MOUNTED AND WIRED IN COMMERCIAL CONTROL VESTIBULE FOR RTU.
7	KMUA-2 (K141/157.1)	1	INLET PRESSURE GAUGE, 0-35".			1	30 TON MODULATING COOLING OPTION, 460/480V. R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FAN(S).
		1	MANIFOLD PRESSURE GAUGE, -5 TO 15" WC.			1	DDC IP BACNET REMOTE UNIT MONITORING. ALLOWS FOR REMOTE DDC OCCUPIED OVERRIDE AND SET POINT CHANGES.
		1	LOW FIRE START.			1	CONTROL PANEL ENCLOSURE HEATER. RECOMMENDED FOR WINTER DESIGN TEMPERATURE LESS THAN 0°F. PCB CONTROLS.
		1	MOTORIZED BACKDRAFT DAMPER FOR A4-D HOUSING. MEETS AMCA CLASS 1A RATING.			1	HEATED DRAIN KIT FOR RTU. REQUIRED FOR WINTER DESIGN TEMP OF 0 DEGREES F AND LOWER.
		1	10 TON 2 CIRCUIT (5/5) MODULAR PACKAGED COOLING OPTION FOR SIZE 4 DF/EH MUA (6,000 TO 9,000 CFM), 460V, 3 PHASE. COOLING THERMOSTAT OR PROGRAMMABLE STAT REQUIRED FOR PROPER OPERATION.			1	4" MERV 15 FILTERS FOR SIZE 4 RTU. QTY 12.
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED.			1	RTU ANALOG 0-10V BAS INTAKE/RETURN DAMPER CONTROL TO ACTUATOR.
		1	SEPARATE 120V WIRING PACKAGE (REQUIRED AND USED ONLY FOR DCV OR PREWIRE WITH VFD) - THREE PHASE ONLY.			1	CLOGGED FILTER SWITCH WITH NOTIFICATION ON HMI.
		1	LOAD REACTOR MOUNTED IN FAN.			1	SIZE 4 RTU CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J BOX.
		1	2 YEAR PARTS WARRANTY.			1	RTU SIZE 4 SIDE RETURN.
		1	INLET PRESSURE GAUGE, 0-35".			1	RTU SIZE 4 SIDE DISCHARGE.
8	KMUA-3 (K191)	1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE.			1	SIZE 4 RTU CURB DUCT HANGER.
		1	TOTAL CFM MONITORING FOR DOAS.			1	COMMERCIAL SMOKE DETECTOR/ALARM INTERLOCK (SUPPLIED BY OTHERS).
		1	OVERHEAT STAT.			1	OCCUPIED SCHEDULING.
		1	RTU FIXED 100% OA INTAKE CONTROL.			1	30 TON MODULATING REHEAT OPTION. DISCHARGE DEWPOINT CONTROL.
		1	RTU SIZE 2 NO RETURN.			1	VAV PACKAGE W/ BUILDING STATIC PRESSURE CONTROL- MUA -0.25" TO +0.25" OF WC. (571 VFD INCLUDED).
		1	CLOGGED FILTER SWITCH WITH NOTIFICATION ON HMI.			1	LOAD REACTOR MOUNTED IN FAN.
		1	4" MERV 15 FILTERS SIZE 2 RTU. QTY 4.			1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS).
		1	CONTROL PANEL ENCLOSURE HEATER. RECOMMENDED FOR WINTER DESIGN TEMPERATURE LESS THAN 0°F. PCB CONTROLS.				

ARCHITECT
HCM Design, Inc.
 700 E. Pratt St, Suite 1200, Baltimore, MD 21202
 p. 410. 837. 7311

STRUCTURAL ENGINEER
Morabito Consultants
 952 Ridgeway Road, Suite 1700, Sparks MD 21152
 p. 410.467.2377

FOOD SERVICE
 Scope Hospitality Group
 300 West Chestnut Street, Suite 201, Ephrata, PA 17522
 p. 717.733.5810

INTERIOR DESIGNER
 Merlino Design Partnership, Inc.
 2200 Renaissance Blvd, Suite 300, Gulph Mills, PA 19406
 p. 610.313.9550

MEPP ENGINEER
 LAN Associates
 Engineering, Planning, Architecture Surveying, LLP
 252 Main Street, Goshen, NY 10924
 p. 201.447.6400



BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - COMMONS BUILDING

hord | coplan | macht

ARCHITECTURE
 LANDSCAPE ARCHITECTURE
 PLANNING
 INTERIOR DESIGN



LAN ASSOCIATES
 Engineering, Planning, Architecture, Surveying, LLP
 LAN 208 #130821
 PROFESSIONAL CERTIFICATION I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF NEW YORK.
 LICENSE NUMBER: 090385
 EXPIRATION DATE: 10/31/23

no.	date	revision

Project Name
 BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - COMMONS BUILDING
 Project Number
 1308.01
 Date
 4/30/2021
 Scale
 1/8" = 1'-0"
 Drawing
 MECHANICAL KITCHEN EQUIPMENT

M6.04

PERMIT / GMP SET