EXHAUST FAN INFORMATION - JOB#4862854

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	KX-1 (K114)	1	DU180HFA	CAPTIVEAIRE	3033	1.750	1380	EXPLOSIONPROOF	3.000	1.8490	3	460	3.8	700 FPM	225	20
2	KX-2A (K141)	1	DU300HFA	CAPTIVEAIRE	7150	1.600	785	TEFC,PREMIUM	5.000	3.4370	3	460	7.6	1114 FPM	646	17.2
3	KX-2B (K157.1)	1	DU85HFA	CAPTIVEAIRE	1050	1.150	1271	TEAO-ECM	0.750	0.3680	1	115	8.9	332 FPM	86	11
4	KX-3 (K191)	1	DU180HFA	CAPTIVEAIRE	1983	1.750	1260	ODP,PREMIUM	3.000	1.2690	3	460	4.3	458 FPM	186	16.4
5	KX-4 (P134)	1	DU180HFA	CAPTIVEAIRE	1700	1.400	1123	ODP,PREMIUM	1.500	0.8830	3	460	3.0	393 FPM	179	13.6

CONDENSER DETAILS

FAN UNIT NO	TAG	FAN UNIT MODEL #	CONDENSER NO	TONNAGE	VOLTAGE	PHASE	FREQUENCY	MCA	RLA	MAX FUSE SIZE	MIN WIRE SIZE	SEER
6	KMUA-1 (K114)	A2-D.500-20D-MPU	1	5	460	3 PHASE	60 HZ	10.5 AMPS	8.5 AMPS	15 AMPS	14 AWG	14
7	KMUA-2 (K141/157.1)	A4-D.1500-30D-MPU	1	5	460	3 PHASE	60 HZ	10.5 AMPS	8.5 AMPS	15 AMPS	14 AWG	14
			2	5	460	3 PHASE	60 HZ	10.5 AMPS	8.5 AMPS	15 AMPS	14 AWG	14
9	KMUA-4 (P134)	A1-D.500-15D-MPU	1	3	460	3 PHASE	60 HZ	7.7 AMPS	6.3 AMPS	15 AMPS	14 AWG	14

MUA FAN INFORMATION - JOB#4862854

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MOCP	WEIGHT (LBS)	SONES
6	KMUA-1 (K114)	1	A2-D.500-20D-MPU	20MF-2-MOD	A2-D.500	2000	2426	1.250	1380	ODP,PREMIUM	3.000	1.3890	3	460	4.3	5.4A	15A	1262	12.9
7	KMUA-2 (K141/157.1)	1	A4-D.1500-30D-MPU	30MF-4-MOD	A4-D.1500	6000	6560	1.500	1037	ODP,PREMIUM	5.000	3.4160	3	460	7.2	9A	15A	2410	16.4
9	KMUA-4 (P134)	1	A1-D.500-15D-MPU	15MF-1-MOD	A1-D.500	1100	1360	1.000	1935	ODP,PREMIUM	3.000	1.0760	3	460	3.9	4.9A	15A	1026	19.1

COILS - JOB#4862854

FAN UNIT NO	TAG	COIL TYPE	DESIGN CFM	COOLING											HEATING									
				ENTERING DB TEMP	ENTERING WB TEMP	LEAVING DB TEMP	LEAVING WB TEMP	ENTERING FLUID TEMP	LEAVING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYCOL	TOTAL CAPACITY	SENSIBLE CAPACITY	LATENT CAPACITY	ENTERING DB TEMP	LEAVING DB TEMP	ENTERING FLUID TEMP	LEAVING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYCOL	STEAM PRESSURE	TOTAL CAPACITY	SENSIBLE CAPACITY
6	KMUA-1 (K114)	DX	2426	87.0°F	72.0°F	75.0°F	66.7°F	---	---	---	---	45.2 MBH	30.6 MBH	14.6 MBH	---	---	---	---	---	---	---	---	---
7	KMUA-2 (K141/157.1)	DX	6560	87.0°F	72.0°F	76.6°F	67.8°F	---	---	---	---	98.1 MBH	71.5 MBH	26.6 MBH	---	---	---	---	---	---	---	---	---
9	KMUA-4 (P134)	DX	1360	87.0°F	72.0°F	74.1°F	66.4°F	---	---	---	---	26.7 MBH	18.4 MBH	8.3 MBH	---	---	---	---	---	---	---	---	---

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO	TAG	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
6	KMUA-1 (K114)	220491	202852	80°F	7 IN. W.C. - 14 IN. W.C.	NATURAL	92
7	KMUA-2 (K141/157.1)	596218	548521	80°F	7 IN. W.C. - 14 IN. W.C.	NATURAL	92
9	KMUA-4 (P134)	123607	113718	80°F	7 IN. W.C. - 14 IN. W.C.	NATURAL	92

DOAS/RTU FAN SCHEDULE - JOB#4862854

FAN UNIT NO	TAG	QTY	DOAS/RTU MODEL #	MANUFACTURER	BLOWER	RETURN AIR CFM	MAX OUTSIDE AIR CFM	TOTAL CFM	ESP	HP	BHP	PHASE	VOLT	MCA	MOCP	WEIGHT (LBS)
8	KMUA-3 (K191)	1	CASRTU2-I.250-15-10T-DOAS	CAPTIVEAIRE	15P-2	0	1990	1990	1.000	2.000	1.3460	3	460	28.1A	30A	1897
10	DOAS-K	1	CASRTU4-I.600-30-30T-DOAS	CAPTIVEAIRE	30P-4	0	5250	5250	2.000	10.000	5.2120	3	460	81.6A	90A	4877

DOAS/RTU COOLING SCHEDULE

FAN UNIT NO	TAG	COMPRESSOR			OUTDOOR FAN				INDOOR COIL		OUTSIDE AIR DB TEMP	OUTSIDE AIR WB TEMP	MIXED AIR DB TEMP	MIXED AIR WB TEMP	LEAVING DB TEMP	LEAVING WB TEMP	LEAVING DP TEMP	TOTAL CAPACITY	SENSIBLE CAPACITY	LATENT CAPACITY	REHEAT LEAVING DB TEMP	REHEAT LEAVING WB TEMP	DESIRED REHEAT CAPACITY	MAX REHEAT CAPACITY	REHEAT LEAVING RELATIVE HUMIDITY	MOISTURE REMOVAL RATE	IEER
		TONNAGE	VOLTAGE	PHASE	MOTOR VOLTAGE	MOTOR □	MOTOR FREQUENCY	MOTOR QTY	ROWS	FACE AREA																	
8	KMUA-3 (K191)	10	380-480	3	380-480	3	60	2	5	11.9 SQFT	79.8°F	75.2°F	79.8°F	75.2°F	53.2°F	53.1°F	53.1°F	144.0 MBH	56.6 MBH	87.4 MBH	70.0°F	59.7°F	37.2 MBH	96 MBH	55	78.9 LBS/HR	18.6
10	DOAS-K	30	380-480	3	380-480	3	60	3	6	25.3 SQFT	79.8°F	75.2°F	79.8°F	75.2°F	54.5°F	52.8°F	51.6°F	384.0 MBH	142.1 MBH	241.9 MBH	70.0°F	58.9°F	90.2 MBH	260 MBH	52	218.4 LBS/HR	17.8

DOAS/RTU HEATING SCHEDULE

FAN UNIT NO	TAG	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
8	KMUA-3 (K191)	244194	195355	80°F	7 IN. W.C. - 14 IN. W.C.	NATURAL	80
10	DOAS-K	595912	476730	74°F	7 IN. W.C. - 14 IN. W.C.	NATURAL	80

FAN UNIT NO	TAG	DOAS/RTU MODEL #	HEAT PUMP ENTERING DB TEMP	HEAT PUMP OUTSIDE AIR DB TEMP	HEAT PUMP MAX TEMP RISE	HEAT PUMP DISCHARGE DB TEMP	COP
8	KMUA-3 (K191)	CASRTU2-I.250-15-10T-DOAS	50.0°F	50.0°F	30.0°F	80.0°F	3.2

FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	KX-1 (K114)	YES						
2	KX-2A (K141)	YES						
3	KX-2B (K157.1)		YES					
4	KX-3 (K191)	YES						
5	KX-4 (P134)	YES						
6	KMUA-1 (K114)				YES		YES	
7	KMUA-2 (K141/157.1)				YES		YES	
9	KMUA-4 (P134)						YES	

CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KX-1 (K114)	41 LBS	CURB	26.500"W X 26.500"L X 20.000"H ALONG LENGTH, RIGHT VENTED HINGED.
2	# 2	KX-2A (K141)	58 LBS	CURB	38.500"W X 38.500"L X 20.000"H ALONG LENGTH, RIGHT VENTED HINGED.
3	# 3	KX-2B (K157.1)	32 LBS	CURB	23.000"W X 23.000"L X 20.000"H ALONG LENGTH, RIGHT VENTED.
4	# 4	KX-3 (K191)	41 LBS	CURB	26.500"W X 26.500"L X 20.000"H ALONG LENGTH, RIGHT VENTED HINGED.
5	# 5	KX-4 (P134)	41 LBS	CURB	26.500"W X 26.500"L X 20.000"H ALONG LENGTH, RIGHT VENTED HINGED.
6	# 6	KMUA-1 (K114)	107 LBS	CURB	31.000"W X 79.000"L X 20.000"H ALONG WIDTH, RIGHT INSULATED.
	# 6			RAIL	6.000"W X 31.000"L X 20.000"HRIGHT.
7	# 7	KMUA-2 (K141/157.1)	128 LBS	CURB	42.000"W X 42.000"L X 20.000"H ALONG LENGTH, RIGHT INSULATED.
	# 7			RAIL	6.000"W X 42.000"L X 20.000"HRIGHT.
	# 7			RAIL	6.000"W X 42.000"L X 20.000"HRIGHT.
8	# 8	KMUA-3 (K191)	77 LBS	CURB	49.500"W X 75.000"L X 20.000"H ALONG WIDTH, RIGHT INSULATED.
9	# 9	KMUA-4 (P134)	85 LBS	CURB	21.000"W X 71.000"L X 20.000"H ALONG WIDTH, RIGHT INSULATED.
	# 9			RAIL	6.000"W X 21.000"L X 20.000"HRIGHT.
10	# 10	DOAS-K	218 LBS	CURB	80.000"W X 111.000"L X 20.000"H ALONG WIDTH, RIGHT INSULATED 16 GAUGE.

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BROADVIEW
SENIOR LIVING
AT PURCHASE COLLEGE

BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - COMMONS BUILDING

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

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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

M6.03

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