VENTILATION INDEX

ROOM NAME & NUMBER	UNIT SERVED	FLOOR AREA (Sq Ft)	MAX OCCUPANTS	REQUIRED OA CFM/SqFt	REQUIRED OA for SPACE	REQUIRED OA per PERSON	OA For OCCUPANTS	MIN OA REQUIRED	DESIGN OA (CFM)	REMARKS
GUEST SUITE A	DOAS-E/W	304	2	0.06	19	5	10	29	50	TYPICAL FOR ALL GUEST SUITES
UNIT A	ERV-1	640	2	0.06	39	5	10	49	130	TYPICAL FOR ALL UNIT A APARTMENTS
UNIT C	ERV-1	829	2	0.06	50	5	10	60	130	TYPICAL FOR ALL UNIT C APARTMENTS
UNIT C-2	ERV-1	829	2	0.06	50	5	10	60	130	TYPICAL FOR ALL UNIT C-2 APARTMENTS
UNIT D	ERV-1	964	2	0.06	58	5	10	68	130	TYPICAL FOR ALL UNIT D APARTMENTS
UNIT E	ERV-1	1,050	3	0.06	63	5	15	78	130	TYPICAL FOR ALL UNIT E APARTMENTS
UNIT F	ERV-1	1,116	3	0.06	67	5	15	82	130	TYPICAL FOR ALL UNIT F APARTMENTS
UNIT G	ERV-1	1,260	3	0.06	76	5	15	91	130	TYPICAL FOR ALL UNIT G APARTMENTS
UNIT H	ERV-1	1,277	3	0.06	77	5	15	92	130	TYPICAL FOR ALL UNIT H APARTMENTS
UNIT I	ERV-1	1,329	3	0.06	80	5	15	95	130	TYPICAL FOR ALL UNIT I APARTMENTS
UNIT J	ERV-1	1,591	3	0.06	96	5	15	111	130	TYPICAL FOR ALL UNIT J APARTMENTS
UNIT K	ERV-1	1,875	3	0.06	113	5	15	128	260	TYPICAL FOR ALL UNIT K APARTMENTS
RESIDENT STORAGE	DOAS-E/W	777	-	0.12	93	-	-	93	100	TYPICAL FOR ALL RESIDENT STORAGE AREAS
CORRIDOR	DOAS-E/W	3662	-	0.06	220	-	-	220	1550	TYPICAL FOR ALL CORRIDORS

APARTMENTS ELECTRIC CABINET HEATER UNIT SCHEDULE

(COM-PAK AS STANDARD)

TAG	LOCATION	TYPE	QTY.	HEATING (BTUH)	ELECTRICAL DATA		DIMENSIONS (WxDxH) (In.)	APPROX WEIGHT (Lbs)	MODEL	MANUFACTERER	NOTES
					KW	V / Ph / Hz					
ECH-A	REFER TO PLANS	WALL RECESSED	421	3,415	1	208 / 1 / 60	9" x 4" x 12"	7	CS102TW-C	COM-PAK	SEE NOTES BELOW

NOTES: WALL-RECESSED ELECTRIC CABINET HEATER. PROVIDE WITH UNIT MOUNTED TAMPER PROOF THERMOSTAT, & DISCONNECT SWITCH. TIE INTO NEW CAMPUS WIDE BMS.

FIRE PLACE POWER VENT SCHEDULE

(HEART & HOME AS STANDARD)

UNIT No.	LOCATION	QTY	UNIT SERVED	ELECTRICAL DATA V-PH-Hz	DIMENSIONS (LxHxD) (In.)	WEIGHT (LBS)	MANUFACTURER	MODEL	REMARKS
PV-1	UNITS F, & H	56	FP-1	120/1/60	15.5 x 14 x 19.625	25	HEART & HOME	PVLP-SLP	SEE NOTES
PV-2	UNITS I, K, AND LOUNGE	22	FP-1 & 2	120/1/60	14"ø x 13.625	25	HEART & HOME	PVV-SLP	SEE NOTES

NOTES:
1. MODEL PVLP-SLP IS A LOW PROFILE SIDE WALL POWER VENT. INTERLOCK WITH ASSOCIATED FIREPLACE CONTROL PANEL. POWER VENT SHALL BE DUCTED/WIRED PER ALL MFR. GUIDELINES. PROVIDE WALL COLLAR, VENT CAP, & ALL REQUIRED OPTIONS/ACCESSORIES FOR A FULLY OPERABLE SYSTEM.
2. MODEL PVV-SLP IS A VERTICAL ROOFTOP POWER VENT. INTERLOCK WITH ASSOCIATED FIREPLACE CONTROL PANEL. POWER VENT SHALL BE DUCTED/WIRED PER ALL MFR. GUIDELINES. PROVIDE VENT TERMINATION CAP, STORM COLLAR, & ALL REQUIRED OPTIONS/ACCESSORIES FOR A FULLY OPERABLE SYSTEM.

ROOF MOUNTED STEAM GENERATOR AND DUCT MOUNTED HUMIDIFIER SCHEDULE

(CONDAIR AS STANDARD)

TAG	LOCATION	UNIT SERVED	CFM	EAT (°F)	EA RH (%)	LA RH (%)	HUMIDIFIER CAPACITY (LB/HR)	GAS DATA			ELECTRICAL DATA			DUCT DIMENSIONS (LxW) (In.)	DISPERSION MODEL NO.	DIMENSIONS (LxWxH) (In.)	APPROX WEIGHT (Lbs)	MODEL	MANUFACTERER	REMARKS
								INPUT (CFH)	VENT Ø (IN.)	MIN-MAX PRESSURE (IN.W.C.)	AMPS	POWER (KW)	V / Ph / Hz							
SG-IL-E1	IL EAST BLDG. ROOF	RTU-E-1	3,600	72	3.13	40	100	140	3"	4.5-9	---	---	120 / 1 / 60	52"x26"	SAM-e 48"	49.7 x 21.5 x 54.3	556	GSTC-100	CONDAIR	GAS FIRED STEAM GENERATOR, SEE NOTES BELOW.
SG-IL-E2	IL EAST BLDG. ROOF	RTU-E-2	3,600	72	3.13	40	100	140	3"	4.5-9	---	---	120 / 1 / 60	52"x26"	SAM-e 48"	49.7 x 21.5 x 54.3	556	GSTC-100	CONDAIR	GAS FIRED STEAM GENERATOR, SEE NOTES BELOW.
SG-IL-W1	IL WEST BLDG. ROOF	RTU-W-1	3,600	72	3.13	40	100	140	3"	4.5-9	---	---	120 / 1 / 60	52"x26"	SAM-e 48"	49.7 x 21.5 x 54.3	556	GSTC-100	CONDAIR	GAS FIRED STEAM GENERATOR, SEE NOTES BELOW.
SG-IL-W2	IL WEST BLDG. ROOF	RTU-W-2	3,600	72	3.13	40	100	140	3"	4.5-9	---	---	120 / 1 / 60	52"x26"	SAM-e 48"	49.7 x 21.5 x 54.3	556	GSTC-100	CONDAIR	GAS FIRED STEAM GENERATOR, SEE NOTES BELOW.

NOTES:
PROVIDE AIR PRESSURE SWITCH, DUCT MOUNTED ON/OFF HIGH LIMIT HUMIDSTAT, 2" COPPER STEAM PIPE WITH LONG RADIUS ELBOWS AND MIN. 2" MINERAL FIBER INSULATION WITH FACTORY APPLIED ASJ, WALL MOUNTED MODULATING HUMIDITY CONTROLLER WITH ELECTRONIC DISPLAY AND ADJUSTABLE BUTTONS, ADJUSTABLE RANGE FROM 10-90% RH, SELECTABLE OUTPUT SIGNALS, 2%-10% PROPORTIONAL BAND AND DRY CONTACT OUTPUT, MULTISTEAM, INTERNAL DRAIN COOLER, DUCT MOUNTED HUMIDITY SENSOR AND BACnet INTERFACE TO NEW BUILDING MANAGEMENT SYSTEM.

GAS FIRED UNIT HEATER SCHEDULE

(MODINE AS STANDARD)

TAG	LOCATION	QTY.	CFM	HEAT THROW (FT.)	GAS HEATING					HP	ELECTRIC DATA Volt-Ph-Hz	DIMENSIONS (W x H x D) (In.)	APPROX WEIGHT (Lbs)	MODEL	MANUFACTERER	NOTES
					INPUT (MBH)	OUTPUT (MBH)	TEMP RISE (°F)	VENT PIPE ø (IN.)	MIN-MAX PRESSURE (IN.W.C.)							
UH-A-E	GARAGE EG-100	3	5,280	65	350	287	50	6"	7-14"	1/2	115 - 1 -60	42.5 x 35 x 39.5	310	PTP-350	MODINE	SEE NOTES BELOW
UH-A-W	GARAGE WG-100	3	5,280	65	350	287	50	6"	7-14"	1/2	115 - 1 -60	42.5 x 35 x 39.5	310	PTP-350	MODINE	SEE NOTES BELOW

NOTES:
CEILING HUNG UNIT HEATER. PROVIDE ALL REQUIRED HANGERS, SUPPORTS. PROVIDE MIN. TWO STAGE HEATING, DIRECT SPARK IGNITION, 100% SHUT-OFF WITH CONTINOUS RETRY. INTERLOCK WITH SMOKE DETECTION SYSTEM, AND BMS.

ELECTRIC UNIT HEATER SCHEDULE

(QMARK AS STANDARD)

TAG	LOCATION	THERMOSTAT	QUANTITY	ELECTRICAL DATA			DIMENSIONS (LxWxH) (In.)	APPROX WEIGHT (Lbs)	MODEL	MANUFACTERER	NOTES
				AMPS	WATTS	V / Ph / Hz					
EUH-A	GARAGE	WALL MOUNTED	8	14.5	3000	208 / 1 / 60	14 x 7-1/2 x 16	24	MUH0381	QMARK	SEE NOTE(S) BELOW

NOTES: CEILING HUNG UNIT HEATER. PROVIDE HANGING SUPPORTS, DISCONNECT SWITCH, DOUBLE POLE LINE BREAK THERMOSTAT W/ OFF OPTION. COORDINATE WITH G.C.

ELECTRIC CABINET HEATER UNIT SCHEDULE

(BERKO AS STANDARD)

TAG	LOCATION	TYPE	QTY.	HEATING (BTUH)	ELECTRICAL DATA		DIMENSIONS (WxDxH) (In.)	APPROX WEIGHT (Lbs)	MODEL	MANUFACTERER	NOTES
					KW	V / Ph / Hz					
ECH-B	REFER TO PLANS	WALL RECESSED	4	6,142	1.8	120 / 1 / 60	15.75 " x 4" x 19.25"	25	FRC1812F	BERKO	SEE NOTES BELOW
ECH-S	ALL STAIRS	WALL RECESSED	24	10,235 / 5,120	3 / 1.5	208 / 1 / 60	15.75 " x 4" x 19.25"	25	FRC4024F	BERKO	SEE NOTES BELOW

NOTES: WALL-RECESSED ELECTRIC CABINET HEATER. PROVIDE WITH UNIT MOUNTED TAMPER PROOF THERMOSTAT, & DISCONNECT SWITCH. TIE INTO NEW CAMPUS WIDE BMS.

AIR PURIFICATION UNIT SCHEDULE

(PLASMA AIR AS STANDARD)

TAG	LOCATION	QTY	MAKE	MODEL	QTY OF IONIZERS ON BAR	MAX RATED CFM	AMPS (mA)	DIMENSIONS (LxWxH) (IN)	NOTES
AP-1	ALL DOAS UNITS	4	PLASMA AIR	PB-018	3	3,750	90	18 x 0.5 x 3.5	SEE NOTES BELOW

NOTES:
1. BASIS OF DESIGN: PLASMA AIR.
2. AP SHALL BE FIELD INSTALLED AND WIRED TO THE EXISTING EQUIPMENT ON THE AIR INLET SIDE OF COOLING COIL. (A SEPARATE POWER FEED IS NOT NEEDED.)
3. IF CONTRACTOR SUBSTITUTES BASIS OF DESIGN WITH ANOTHER MANUFACTURER, CONTRACTOR SHALL COORDINATE ALL ELECTRICAL & MECHANICAL CHANGES.
4. BI-POLAR IONIZATION SYSTEMS REQUIRING PERISHABLE GLASS TUBES ARE NOT ACCEPTABLE.
5. ALL MANUFACTURERS MUST PASS UL-867-2007 OZONE CHAMBER TESTING BY EITHER UL OR ETL.
6. IONIZATION SYSTEM SHALL HAVE BEEN TESTED AND CERTIFIED BY UL 2998 AS AN OZONE FREE DEVICE.
7. UNIT LENGTH SHALL BE SIZED TO MATCH COIL WIDTH (VIF).
8. ALL UNITS SHALL BE FACTORY MOUNTED ON ASSOCIATED RTUS. ACTUAL BARS NOT SHOWN ON PLANS.

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BROADVIEW
SENIOR LIVING
AT PURCHASE COLLEGE

BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - IL BUILDINGS

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
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INTERIOR DESIGN

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Scale
1/8" = 1'-0"
Drawing
MECHANICAL SCHEDULES

M6.02

PERMIT / GMP SET

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