PACKAGED ROOFTOP DEDICATED OUTSIDE AIR SYSTEM WITH GAS-FIRED HEATING & DX COOLING SCHEDULE

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					MIN	SI	JPPLY FAN	I DATA			DX	COOLING					GAS HEA	TING				ENEF	RGY RECO	VERY WH	HEEL		СО	MPRESSOR	CONDENS	SER FANS	POWER E	XHAUST	FAN	ELECT	RICAL DAT	·A	EFFICIENCY	LINIT			
TAG NO.	AREA SERVED	MFGR.	MODEL No.	SUPPLY (CFM)	OUTDOOR	EXT SP	RHD N	WHD //	/FD CO	OLING CO	OOLING F	EADB EA	WB LAD	B LAWB	INPUT	OUTPUT (MBH)	EAT	Ι ΔΤ (°F)	MIN GAS PRESSURE	С	OOLING		HEATING	}	RECOVERED COOLING	RECOVERED HEATING (MBH)	D NO	RLA	NO	AMPS	NO. N	1HD	VED	\//DH/H7	MCA	MOP	EER	UNIT DIMENSIONS (L x W x H) (IN)	APPROX. UNIT WEIGHT (LBS)	REFRIGERANT TYPE	REMARKS
				, ,	AIR (CFM)	(IN)	DIII IV	VII II V	(TI	MBH) (SMBH)	(°F) (°	°F) (°F	(1)	(MBH)	(IVIDIT)	(°F) '	LAI (I)	TINESSORE	EADB EA	WB LADB	LAWB EADB	EAWB LADE	B LAWB	(TMBH)	(MBH)	110.	INLA	NO.	AIVII 3	NO.		VID	V/I I I/I IZ			LLIX	(L X VV X H) (IIN)	, ,		
DOAS-N	ALMC	TRANE	OAGD180A4	3,900	3,900	1.5 ((2) 4.10	6 E	ECM 1	76.9	122.7	81 67	7.2 52.	5 52.3	500	400	38.7	133.7	7" - 14" W.C.	91.0 73	81.0	67.1 0	-2 38.7	36.3	81.79	241.17	2	12.2 / 12.6	2	2.1	1	6	ECM	460/3/60	54.6	60	12.6	208 x 74 x 67	4,378	R410A	SEE NOTES
DOAS-S	ALMC	TRANE	OAGD180A4	3,900	3,900	1.5 ((2) 4.10	6 E	ECM 1	76.9	122.7	81 67	7.2 52.	5 52.3	500	400	38.7	133.7	7" - 14" W.C.	91.0 73	81.0	67.1 0	-2 38.7	36.3	81.79	241.17	2	12.2 / 12.6	2	2.1	1	6	ECM	460/3/60	54.6	60	12.6	208 x 74 x 67	4,378	R410A	SEE NOTES

ALL UNITS SHALL BE PROVIDED WITH MODULATING GAS HEAT CONTROL. TURN DOWN RATIO 10:1.

ALL MOTORS SHALL BE PREMIUM EFFICIENCY TYPE. PROVIDE W/ CONDENSER FAN COIL GUARDS, NON-FUSED DISCONNECT SWITCH, & GFI CONVENIENCE OUTLET FOR EACH UNIT. ALL UNIT SHALL BE PROVIDED W/ A MIN OF 24" HIGH SPRING VIBRATION ISOLATION ROOF CURBS.

ALL UNITS SHALL BE PROVIDED WITH MIN TWO STAGED COOLING WITH DIGITAL SCROLL COMPRESSOR ON THE LEAD CIRCUIT.

ALL UNITS SHALL BE PROVIDED W/ DUAL ENTHALPY FULLY MODULATING POWER EXHAUST ECONOMIZER CONTROLS W/ STATI-TRAC BUILDING PRESSURIZATION, OUTDOOR AIR HOOD, EXHAUST DISCHARGE DAMPERS & HOOD.

INTERNAL AUTOMATIC TEMPERATURE CONTROLS SHALL BE PROVIDED BY ATC CONTRACTOR. THE ATC CONTRACTOR SHALL SHIP THE DDC CONTROLS FOR ALL UNITS SHALL BE TIED INTO NEW BUILDING MANAGEMENT SYSTEM (BMS). REFER TO ATC DIAGRAMS AND SPECIFICATIONS.

ALL SHALL BE PROVIDED W/ FULLY MODULATING POWER EXHAUST ECONOMIZER FAN, ECONOMIZER HOOD & DAMPERS.

ALL UNITS SHALL BE PROVIDED W/ 4" MERV 13 FILTERS & TWO (2) SETS OF SPARE FILTERS OF ALL TYPES.

ELECTRICAL SUBCONTRACTOR TO PROVIDE DUCT SMOKE DETECTOR IN RETURN AIR DUCT MAIN FOR EACH UNIT. INTERLOCK RTUs WITH FIRE ALARM SYSTEM. RTUs SHALL BE SHUT DOWN UPON ACTIVATION OF FIRE ALARM SYSTEM. PROVIDE ONE-YEARS PART & LABOR WARRANTY FROM THE MANUFACTURER.

PROVIDE MODULATING HOT GAS REHEAT FOR ALL RTUS. PROVIDE W/ A S.S. FLUE VENT EXTENSION FOR EACH UNIT.

		Ol	JTDOO	R /	AIR-C	COC	LED	HEA	ΓF	PUI	MF	C	ONDENSI	NG l	JNIT S	CHE	OULE (<u>MITSUBISHI</u> AS STANDA
T.	AG	LOCATION	UNITS SERVED	QTY.	COOLING (TMBH)	AMBIENT TEMP (°F)	SUCTION TEMP (°F)	ELECTRICAL DATA V - Ph - Hz	MCA	МОР	SEER	EER	DIMENSIONS (H x W x D) (In.)	APPROX. WEIGHT (Lbs)	MODEL	MFR.	NOTES
C	U-1	ROOF	HP-1	68	10.8	-4 / 115	80 / 67	208 - 1 - 60	9.1	15	19.3	14.1	34 5/8" x 33 1/16" x 13"	148	SUZ-KA12NHAZ	MITUSBISHI	SEE NOTES BELOW
C	U-2	ROOF	HP-2	6	18.0	-4 / 115	80 / 67	208 - 1 - 60	16.5	25	16.7	13.0	37 1/8" x 37 1/2" x 14 1/4"	82	SUZ-KA24NHAZ	MITUSBISHI	SEE NOTES BELOW

NOTES: PROVIDE WITH LOW AMBIENT CONTROL TO 0°F, PATE EQUIPMENT ROOF SUPPORT, INTERLOCK WITH RESPECTIVE INDOOR UNIT.

		S	PLIT I	NDC	OOR	AIR	-CO	NDITIO	ONING	G /	HE	EAT PUMP (TINL	SCHE		TSUBISHI AS STANDARD)
TAG	LOCATION	QTY.	TYPE	SERVED BY	COOLING (TMBH)	HEATING (TMBH)	ESP INCH W.G.	ELECTRICAL DATA V - Ph - Hz	CFM HIGH / LOW	MCA	МОР	DIMENSIONS (H x W x D) (In.)	APPROX. WEIGHT (Lbs)	MODEL	MFR.	NOTES
HP-1	ALL AL & MC UNITS	68	CEILING CONCEALED	CU-1	10.8	13.6	0.6	208 - 1 - 60	490 / 320	1.45	15	9 7/8" x 35 1/2" x 28 7/8"	64	PEAD-A12AA7	MITSUBISHI	SEE NOTES BELOW
HP-2	ASSISTED LIVING COMMONS AREA	6	CEILING CONCEALED	CU-2	18.0	20.0	0.8	208 - 1 - 60	635 / 529	1.6	15	9 7/8" x 35 1/2" x 28 7/8"	80	PEAD-A24AA7	MITSUBISHI	SEE NOTES BELOW

NOTES:
PROVIDE REMOTE CONTROLLER, PROPER REFRIGERANT CHARGE. INTERLOCK WITH RESPECTIVE CONDENSING UNIT. PROVIDE WITH MINI CONDENSATE PUMP. PROVIDE WITH CONDENSATE DRAIN WATER-LEVEL DETECTOR SWITCH TO PREVENT ANY DAMAGE TO ANY BUILDING COMPONENT AS A RESULT OF OVERFLOW FROM THE EQUIPMENT PRIMARY DRAIN.

		COM	IMO	NS GEI	NEF	RAL	E>	(HAL	JST F	AN SCI	HED	ULE	
(<u>GREENHECK</u> AS STANDARD)													
T No.	AREA SERVED	TYPE	CFM	SP LOSS (IN)		ELECTR	RICAL D	ATA	DIMENSIONS	WALL OPENING DIMENSIONS	UNIT WEIGHT	MANUFACTURER & MODEL	REMARKS
				. ,	BHP	AMPS	HP	V-PH-Hz	(∅ X H) (In.)	(LxH) (IN.)	(LBS)		
F-1	MC NORTH KITCHEN	INLINE	225	0.375	0.03	2.6	1/10	115/1/60	22 x 15	12.5x12.5	31	GREENHECK CUE-090-VG	SEE NOTES BELOW
F-2	MC SOUTH KITCHEN	INLINE	225	0.375	0.03	2.6	1/10	115/1/60	22 x 15	12.5x12.5	31	GREENHECK CUE-090-VG	SEE NOTES BELOW
F-3	FIRST FLOOR TOILETS	INLINE	200	0.375	0.04	2.6	1/10	115/1/60	22 x 15	12.5x12.5	31	GREENHECK CUE-090-VG	SEE NOTES BELOW
F-4	SALON	INLINE	300	0.375	0.04	2.6	1/10	115/1/60	22 x 15	12.5x12.5	31	GREENHECK CUE-090-VG	SEE NOTES BELOW
	IT No. F-1 F-2 F-3 F-4	F-1 MC NORTH KITCHEN F-2 MC SOUTH KITCHEN F-3 FIRST FLOOR TOILETS	F-1 MC NORTH KITCHEN INLINE F-2 MC SOUTH KITCHEN INLINE F-3 FIRST FLOOR INLINE	F-1 MC NORTH KITCHEN INLINE 225 F-2 MC SOUTH KITCHEN INLINE 225 F-3 FIRST FLOOR TOILETS INLINE 200	TYPE CFM SP LOSS (IN) F-1 MC NORTH KITCHEN INLINE 225 0.375 F-2 MC SOUTH KITCHEN INLINE 225 0.375 F-3 FIRST FLOOR TOILETS INLINE 200 0.375	TYPE CFM SP LOSS (IN) BHP F-1 MC NORTH KITCHEN INLINE 225 0.375 0.03 F-2 MC SOUTH KITCHEN INLINE 225 0.375 0.03 F-3 FIRST FLOOR TOILETS INLINE 200 0.375 0.04	TYPE CFM SP LOSS (IN) AREA SERVED TYPE CFM SP LOSS (IN) BHP AMPS	TYPE CFM SP LOSS (IN) ELECTRICAL D. BHP AMPS HP	TYPE CFM SP LOSS (IN) ELECTRICAL DATA BHP AMPS HP V-PH-Hz	TYPE CFM SP LOSS (IN) ELECTRICAL DATA DIMENSIONS (Ø x H) (In.)	TYPE CFM SP LOSS (IN) ELECTRICAL DATA DIMENSIONS (Ø x H) (In.) DIMENSIONS (Ø x H) (In.)	TYPE CFM SP LOSS (IN) ELECTRICAL DATA DIMENSIONS WALL OPENING DIMENSIONS (Ø x H) (In.) UNIT WEIGHT (LBS)	TYPE CFM SP LOSS (IN) ELECTRICAL DATA DIMENSIONS (Ø x H) (In.) DIMENSIONS (LxH) (IN.) WEIGHT (LBS) MANUFACTURER & MODEL

NOTES:
PROVIDE BACKDRAFT DAMPER, HANGING SUPPORTS WITH VIBRATION ISOLATORS, AND DISCONNECT SWITCH. PROVIDE SEPARATE WALL SWITCH IN SAME

	ENERGY RECOVERY VENTILATOR SCHEDULE													
						EVHALIOT	ENERGY RECC	VERY WHEEL	FAN	DATA	ADDDOV	LINUT	ELECTRICAL	
UNIT No.	QTY	AREAS SERVED	MFG'R.	MODEL No.	SA (CFM)	EXHAUST AIR (CFM)	SENSIBLE EFFICIENCY AT 32°F	TOTAL EFFICIENCY AT 90°F	EXT. S.P."		APPROX. UNIT WT. (LBS)	UNIT DIMENSIONS (LxWxH) (IN.)	V/PH/HZ	REMARKS
ERV-1	68	ALL AL & MC UNITS	LIFEBREATH	120ERV-ECM	130	130	73%	52%	0.4	74	67	20-3/4 x 19-3/8 x 9-3/4	120/1/60	SEE NOTES
NOTES:														

1. PROVIDE HINGED ACCESS DOORS, NON-FUSED DISCONNECT SWITCH, MOTORIZED DAMPERS. 2. ALL MOTORS SHALL BE PREMIUM EFFICIENCY TYPE.

3. THE UNIT SHALL HAVE HUMIDITY CONTROL.

4. THE UNIT SHALL HAVE A 99-DXPL02 WALL CONTROL. 5. THE UNIT SHALL HAVE A 99-EAG8 TECHGRILLE.

				TC	ILET E	EXHAU	JST FA	AN SCH	IEDU	JLE	(<u>BRAU</u>	N AS STANDARD)
UNIT No.	QTY	AREA SERVED	LOCATION	CFM S	G.P. LOSS (IN)	ELECTR AMPS	ICAL DATA V-PH-Hz	DIMENSIONS (LxWxH) (In.)	OUTLET DUCT	UNIT WEIGHT (LBS)	MANUFACTURER & MODEL	REMARKS
TX-A		REFER TO PLANS	CEILING MTD	80	0.10	1.6	120/1/60	8 x 8-1/4 x 5-3/4	4"	15	BRAUN 761BN	SEE NOTES
		E, CEILING MOUNTE OLATORS, AND DIS									PER, HANGING SUPPORTS	WITH

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SENIOR LIVING AT PURCHASE COLLEGE

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ARCHITECTURE

LANDSCAPE ARCHITECTURE PLANNING INTERIOR DESIGN



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1/8" = 1'-0"

MECHANICAL SCHEDULES

M6.01

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