			TOTAL	TOTAL												WHEEL			) SCHED	OLL						AIR-CO					ΔΤΔ		HOT GAS	SREHEAT
UNIT TAG	LOCATION	SERVICE	SUPPLY CFM (DESIGN/	EXHAUST CFM (DESIGN/	E.A		RETU	IMER RN AIR		λ. <b>Τ</b> .		SENSIBLE	WINTER E.A.T.	WIN1 RETUR	TER N AIR	WIN L.A	TER A.T.		TIVENESS SENSIBLE	HP F	FLA		MAX P.I	~ /	ТМВН	SMBH		E.A (DEC	.T. G F)	L.A. (DEG	T. 3 F)	EER @	ТМВН	L.A.T.
899-DOAS-R-01	ROOF	VENTILATION/ SPILL AIR	PEAK) 2,900/ 3,700	PEAK) 2,100/ 2,900	(DB/ 95	WB) 78	(DB 78	/WB) 62	(DB) 86.1	WB) 71.5	65%	72%	(DB) 0	(DBA 72	/VB) 55	(DB/ 38.8	WB) 34.4	74%	74%	0.17	0.4	DEPTH (IN.) 6	0.12	0.06	171.6	104.5	14.3	(DBA 86.1	,	(DB/V 53.2	53.2	AHRI 11.0	53	70
899-DOAS-R-02	ROOF	VENTILATION/ SPILL AIR	3,100/ 3,900	2,100 2,900	95	78	78	62	86.7	72	65%	72%	0	72	55	36.4	32.6	74%	75%	0.17	0.4	6	0.14	0.06	176.4	108.6	14.7	86.7	72	55	54.6	11.0	51.6	70
	2). ONE ELECTR 3). UNIT MOUNT 4). R410A VARIA 5). MODULATINO 6). ENLARGE O 7). FULLY MOD 8). BACNET COI	OORPLANS FOR ICAL POINT OF C ED OUTSIDE AIR / BLE CAPACITY S HOT GAS REHE/ UTSIDE AIR CONN JLATING SCR ELE MMUNICATION CA PRIMARY HEAT S	ONNECTION AND SPILL A CROLL COM AT ECTION TO CTRIC HEAT RD, AS REQ	For the 480 Ir damper Pressor Prevent SNC Control. Uired by BM	V OPER/ DW BEIN PROVID S. REFE	ATION O IG PULLE E VFD C R TO SF	ed IN; 7) Controi Pecifica	CUSTO _ OF WH	M SOUNI EEL. ND CONT	D ATTEN ROL DRA	UATED CU AWING M-1	IRB BY KINETI 705.	CS NOISE C	ONTROL,	OR API	PROVED	EQUAL,	AND SUPPI	.IED BY AHU N	MANUFACT			OO COLD.											

						DEDICAT		UTSIDE A	IR SYST	EM (DOA	S) SC	HEDUL	E (CONTINUE	D)														"DAIKIN" AS STD.
	AIR-C	COOLD HEA	T PUMP HE	ATING DATA	AUXILLARY HEAT			SUPPL	Y FAN						EXHAU	ST FAN				PRE	FINAL	PRE		ELECTRIC	AL INFO			
UNIT TAG	ТМВН	EAT	LAT	COP Ø	KW (0 DEG F -		1															FILTERS				WEIGHT (LBS)	MODEL NO.	NOTES
		(DEG F)	(DEG F)	47 DEG_F	60 DEG F)	TYPE	CFM	E.S.P. (IN. W.C.)	T.S.P. (IN. W.C.)	RPM BHI	PHP	FLA/ MOTOR	TYPE	CFM	E.S.P. (IN. W.C.)	T.S.P. (IN. W.C.)	) RPM	BHP HP	FLA/ MOTOR	SUPPLY ONLY	ONLY	RETURN ONLY	FLA I	MCA MOF	V/PH/HZ			
899-DOAS-R-01	164.2	45.0	97.2	3.64	72	SWSI AF, ECM DIRECT DRIVE	2,900/ 3,700	2.5	3.9	1,550 3.3	8	6.1	SWSI AF, ECM DIRECT DRIVE	2,100/ 2,900	2.5	3.8	2,050	1.67 4	4	2" MERV 8	4" MERV 14	2" MERV 8	119	122 125	460/3/60	2,800	DPS015A	1 TO 10
899-DOAS-R-02	165.5	45.00	94.2	3.64	72	SWSI AF, ECM DIRECT DRIVE	3,100/ 3,900	2.5	4	1,600 3.5	8	6.1	SWSI AF, ECM DIRECT DRIVE	2,100 2,900	2.5	3.8	2,100	1.7 4	4	2" MERV 8	4" MERV 14	2" MERV 8	119	122 125	460/3/60	2,800	DPS015A	1 TO 10

					F	AN SCHE	EDULE									"GREENH	IECK" AS STANDARD
				STATIC		OUTLET					ΜΟΤΟΡ	२		VIBRATI	ON ISOLATION	ECM/	
FAN TAG	LOCATION	SERVICE	CFM	PRESS. (IN.W.G.)	RPM	VELOC. (FPM)	TYPE	DRIVE	MODEL NO.	BHP (AMPS)	HP (WATTS)	VOLT/PH/HZ	WEIGHT (LBS.)	SPEC. TYPE	DEFLECTION (IN.)	EMERGENCY POWER	NOTES
899-TXF-R-01	ROOF	TOILET ROOM EXHAUST	400	0.6	1,450	600	UTILITY - UNIVERSAL SINGLE WIDTH FAN	ECM	USF-06	0.09	0.25	208/1/60	100	S	EE SPECS	YES/ NO	1,2
899-TXF-R-02	ROOF	TOILET ROOM EXHAUST	650	1.0	1,750	1,000	UTILITY - UNIVERSAL SINGLE WIDTH FAN	ECM	USF-08	0.19	0.50	208/1/60	100	S	EE SPECS	YES/ NO	1,2
899-GXF-R-01	ROOF	WARMING KITCHEN	225	0.4	1,225	350	UTILITY - UNIVERSAL SINGLE WIDTH FAN	ECM	USF-04	0.04	0.25	208/1/60	100	S	EE SPECS	YES/ NO	1,2
899-TF-1-01	ELECTRICAL CLOSET	CLOSET HEAT TRANSFER	225	0.10	875	-	CEILING EXHAUST FAN	ECM	SP-A390-VG	(.8)	(100)	277/1/60	25	S	EE SPECS	YES/ YES	1,3
899-TF-1-02	IDF ROOM	BACK-UP HEAT TRANSFER	225	0.10	875	-	CEILING EXHAUST FAN	ECM	SP-A390-VG	(.8)	(100)	277/1/60	25	S	EE SPECS	YES/ YES	1,3
899-TF-1-03	ELECTRICAL ROOM	BACK-UP HEAT TRANSFER	675	0.20	1,025		INLINE CABINET	ECM	CSP-A700-VG	(4.1)	(104)	120/1/60	40	S	EE SPECS	YES/ YES	1,3
	1) VARI-GREEN EC	MOUNTED DISCONNECT. MOTOR. MOTORIZED EXHAUST DAME						·									

2) PROVIDE WITH MOTORIZED EXHAUST DAMPER TO BE INTERLOCKED WITH FAN OPERATION.

			ſ	MANUFAC	TURER "	TITUS"						
				SIZE IN INCHES			TOTAL	VELOCITY			MODEL	
TAG	SERVICE	SPEC. TYPE	FACE	NECK/ NOM. DUCT SIZE	BLADE SPACING	MAX CFM	PRESSURE (IN. W.C.)	PRESSURE (IN. W.C.)	THROW	MAX NC	NUMBER	NOTES
CD-1	SUPPLY AIR	SQUARE CEILING DIFFUSER	12x12	4" Ø	-	75	0.134	0.040	2-3-6	21	OMNI	
CD-2	SUPPLY AIR	SQUARE CEILING DIFFUSER	12x12	6" Ø	-	157	0.194	0.040	4-6-12	21	OMNI	
CD-3	SUPPLY AIR	SQUARE CEILING DIFFUSER	12x12	8" Ø	-	244	0.213	0.031	5-8-16	17	OMNI	
CD-4	SUPPLY AIR	SQUARE CEILING DIFFUSER	24x24	6" Ø	-	160	0.044	0.040	2-4-7	13	OMNI	
CD-5	SUPPLY AIR	SQUARE CEILING DIFFUSER	24x24	8" Ø	-	280	0.072	0.040	4-6-12	17	OMNI	
CD-6	SUPPLY AIR	SQUARE CEILING DIFFUSER	24x24	10" Ø	-	450	0.107	0.040	5-8-14	20	OMNI	
CR-1	EXHAUST/RETURN AIR	CEILING REGISTER (SQUARE PANEL)	12x12	-	-	350					OMNI	
CR-2	EXHAUST/RETURN AIR	CEILING REGISTER (SQUARE PANEL)	24x24	-	-	800					OMNI	
SG-1	SUPPLY AIR	SUPPLY GRILLE	8x8	6x6	3/4"	150	0.131	0.040	10-12-18	24	301RL	
SG-2	SUPPLY AIR	SUPPLY GRILLE	10x10	8x8	3/4"	300	0.131	0.040	14-17-25	27	301RL	
SG-3	SUPPLY AIR	SUPPLY GRILLE	12x12	10x10	3/4"	450	0.131	0.040	18-22-31	29	301RL	
EG-1	EXHAUST AIR	EXHAUST GRILLE	8x8	6x6	3/4"	150	-	0.040	-	25	350RL	
EG-2	EXHAUST AIR	EXHAUST GRILLE	14x12	12x10	3/4"	360	0.051	0.016	-	11	350RL	
EG-3	EXHAUST AIR	EXHAUST GRILLE	20x14	18x12	3/4"	675	0.051	0.016	-	13	350RL	

COMMON NOTES:

A. DATA OBTAINED FROM TESTS CONDUCTED IN ACCORDANCE WITH ANSI/ASHRAE STANDARD 70-1991. B. THROW VALUES ARE GIVEN FOR TERMINAL VELOCITIES OF 150, 100 AND 50 FPM AND FOR ISOTHERMAL CONDITIONS. C. NC VALUES BASED ON OCTAVE BAND 2 TO 7 SOUND POWER LEVELS MINUS A ROOM ABSORPTION OF 10 DB. D. EACH NC VALUE REPRESENTS THE NOISE CRITERIA CURVE WHICH WILL NOT BE EXCEEDED BY THE SOUND PRESSURE IN ANY OF THE OCTAVE BANDS, 2 THROUGH 7, WITH A ROOM ABSORPTION OF 10 DB, RE 10^-12 WATTS. E. DATA UNDER TOTAL PRESSURE FOR RETURN GRILLES IS NEGATIVE STATIC PRESSURE. F. COORDINATE BORDER TYPE WITH ARCHITECTURAL REFLECTED CEILING PLANS. OFFICE BATHROOMS TO HAVE BORDER TYPE 3. G. PROVIDE CABLE OPERATED DAMPER THRU DIFFUSER IN UN-ACCESSIBLE CEILING (SEE DETAIL). H. PROVIDE LIGHT SHEILD FOR RETURN GRILLES

NOTES: 1.) THROW AND PRESSURE DROP INFO PROVIDED FOR 45 DEG DEFLECTION ANGLE

3.) PROVIDE WITH REMOTE CABLE OPERATED DAMPER; FOR AIR OUTLETS NEAR INACCESSIBLE CEILINGS. 4.) THROW AND PRESSURE DROP INFO PROVIDED FOR 22.5DEG DEFLECTION ANGLE

			LINEAR DI	FFUSER	SCHED	ULE					(TITUS AS	STANDARD)
TAG	LOCATION	MODEL NO.	MAX CFM PER FT OF ACTIVE LENGTH	ACTIVE LENGTH	NO. OF SLOTS	SLOT WIDTH (IN.)	MAXIMUM STATIC PRESSURE (IN. W.C.)	MAXIMUM DIFFUSER NC	PATTERN	THROW DIRECTION	SIZE OF DUCT CONNECTION TO PLENUM (IN.)	NOTES
LD-1	<b>REFER TO PLANS</b>	ML-39	25	SEE PLAN	1	1	0.05	20	ADJUSTABLE	VERTICAL &/OR HORIZONTAL	SEE PLANS	1,2,3,4,5
LD-2	REFER TO PLANS	ML-39	50	SEE PLAN	2	1	0.05	23	ADJUSTABLE	VERTICAL &/OR HORIZONTAL	SEE PLANS	1,2,3,4,5
LR-1	OFFICE SPACE	MLR-39	25 (50)	SEE PLAN	1	1		10 (25)	NA	SEE PLAN	N/A	1,2,3
LR-2	OFFICE SPACE	MLR-39	50 (100)	SEE PLAN	2	1		12 (28)	NA	SEE PLAN	N/A	1,2,3
NOTES:												

1). NC VALUE REPRESENTS THE NOISE CRITERA THAT WILL NOT BE EXCEEDED BY THE SOUND PRESSURE IN ANY OF THE OCTAVE BANDS, 2 THOUGH 7, WITH A ROOM ABSORPTION OF 10 DB, RE 10^-12 WATTS. 2). DATA OBTAINED FROM TESTS CONDUCTED IN ACCORDANCE WITH ASHRAE STANDARD 70-1991 "METHOD OF TESTING FOR RATING THE PERFORMANCE OF AIR OUTLETS AND INLETS." 3). COORDINATE BORDER TYPE WITH ARCHITECTURAL REFLECTED CEILING PLANS. 4). CONTRACTOR SHALL FIELD SET PATTERN DEFLECTORS AS REQUIRED,. 5). PROVIDE WITH REMOTE CABLE OPERATED DAMPER

											VARIAE	BLE REF	RIGERANT	VOLUME AI		ONING UNI	T SCHEDU	LE - CRITI	CAL SPAC	ES												
									OUTDOOR L	JNIT										11	NDOOR UNIT	e.				REFR	RIGERANT		P	PIPING		VIBRATION
INDOOR	OUTDOOR CONDENSING	SERVICE	TYPE	OPERATII	NG RANGE	ELE	CTRICAL			SOUND	WEIGHT			Region IV HSPF		TOTAL COOLING	SENSIBLE G COOLING			ELECTRIC	AL	FAN	SOUND	WEIGH	т		CHARGE	LIQUID	VAPOR	MAX PIPE		
UNIT TAG	UNIT TAG			COOLING DB		DB V/PH/I			MAX AIR FLOW RATE (CFM)	PRESSURE (DBA)	(LBS)	EER	SEER	RATING (HEATING)	MODEL NO.	CAPACITY (BTU/HR)	Y CAPACITY		THE PART OF A DAMAGE AND A DAMA	Z MOP	MCA	AIR FLOW (CFM) H/L	PRESSURE (DBA) H/L	(LBS)	MODEL NO.	TYPE	(LBS)	LINE (IN., OD)	LINE (IN., OD)	LENGTH (FT.)	ELEVATION (FT.)	N TYPE
899-AC-1-06	899-CU-R-06	ELECTRICAL ROOM	SINGLE ZONE EXTENDED PIPE	95	5	208 / 1 /	60 20 18.2	5 1	2,800	59	150	9.1	15.9	9.2	RX36NMVJU	34,400	22,800	15,740	208 / 1 / 60	0 64 WATTS	.37 FLA	915 / 575	54/40	40	FTX36NVJU	410A	3.96	1/4	5/8	98	65	SEE S
899-AC-1-07	899-CU-R-07	IT CLOSET	SINGLE ZONE EXTENDED PIPE	95	0	208 / 1 /	60 20 16.	5 1	2,900	58	175	10.2	17.6	8.4	FAQ24TAVJU	24,000	18,000	27,000	208 / 1 / 60	0 15	0.6	635 / 470	43 / 37	35	RZQ24TAVJUA	410A	6.44	3/8	5/8	25	-	SEE S
NOTES:	PROVIDE UNITS WITH a) PROVIDE TEMPERA b) PROVIDE CONDENS c) VIBRATION ISOLATC d) DISCONNECT SWIT	ATURE SENSOR ANI SATE PUMP TO BE F ORS.				OR PUMP																	1									

			ELECTRIC HE	ATER S	CHEDU	LE						
								HEAT	ING CAPA	ACITY	ELECTRICAL	
UNIT TAG	TYPE	LOCATION	MODEL NO.	CFM	EXT S.P. IN.W.G.	FAN SPEED	FLA	E.A.T.	L.A.T.	BTUH	DATA	NOTES/ REMARKS
							AMPS	(°F) DB	(°F) DB	TOTAL	VOLTS/PH/HZ	
899-EH-1-01	HORIZONTAL	LOBBY VESTIBULE	P-963U1T05U-DEU6L4	350 (170-950)	0.2	HIGH	8	30.0	75.0	5 KW	480/3/60	INDEECO MODEL WITH DUCT COLLAR.
899-EH-1-02	VERTICAL	PLUMBING ROOM	T33D052033B30D0F	250	0.2	HIGH	7.8	30.0	75.0	5 KW	480/3/60	REDD-I MODEL
NOTES	1) PROVIDE WIT	H INTEGRAL TH	ERMOSTAT IN RETURN A	IR PATHWA	Y OF UNIT A	ND DISCON	NECT SW	ITCH.				

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3) VARI-GREEN MOTOR TO INCLUDE MANUAL DIAL FOR BALANCING. CONTRACTOR TO PROVIDE NECESSARY CONTROLS FOR ON/OFF OPERATION VIA SPACE TEMPERATURE SENSOR.

2) BORDER TYPE 7. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS. GRILLE TO BE HEAVY DUTY CONSTRUCTION. DAMPER ACCESS IS THROUGH THE GRILLE. FINISH BY ARCHITECT.

F: 914.847.7991 www.regeneron.com Building #17 Campus Expansion Child Day-care Center 777 Old Saw Mill River Road Mount Pleasant, NY 10591 Project No. B17-DAYCARE Architect **Gensier** 1700 Broadway, Suite 400 New York, NY 10019 (212) 492-1400 Phone (212) 492-1472 Fax Structural Engineer Thornton Tomasetti 120 Broadway, 15th Floor New York, NY 10271 (917) 661-7800 Phone (917) 661-7801 Fax \_\_\_\_\_ MEP / IT / Security Engineer Cosentini Associates 498 Seventh Avenue New York, NY 10018 (212) 615-3600 Phone (212) 615-3700 Fax Civil Engineer JMC 120 Bedford Road Armonk, NY 10504 (914) 273-5225 Phone (914) 273-2102 Fax Landscape Architect Langan 21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001 (212) 479-5400 Phone (212) 479-5444 Fax Key Plan No. Date Description 0 05.20.2022 ISSUED FOR PERMIT ALL DRAWINGS AND WRITTEN MATERIALS REPRESENTED ON THIS SHEET CONSTITUTE THE COPYRIGHTED WORK AND ARE THE SOLE PROPERTY OF REGENERON PHARMACEUTICALS. THIS SHEET MAY NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, NOR MAY ANY OF THE DRAWINGS OR WRITTEN MATERIALS APPEARING WITHIN, BE INCORPORATED INTO ANOTHER WORK FOR ANY REASON WITHOUT THE WRITTEN CONSENT OF REGENERON PHARMACEUTICALS. THIS SHEET MUST BE RETURNED UPON THE REQUEST OF REGENERON PHARMACEUTICALS. IF REGENERON MAKES OR AUTHORIZES REUSE OF ANY SUCH DOCUMENTS OR INFORMATION PRODUCED BY DESIGN PROFESSIONAL OUTSIDE OF THE PROJECT WITHOUT THE EXPRESS WRITTEN CONSENT OF DESIGN PROFESSIONAL, REGENERON ASSUMES FULL RESPONSIBILITY FOR ANY AND ALL RISKS INVOLVED IN SUCH REUSE. Professional Seal and Signature Vendor Name: Vendor Project No.: Drawn By: Discipline: MECHANICAL EQUIPMENT SCHEDULE <u>SHEET 1</u> Scale: NTS Floor: Alterations or additions to this engineering document by an unlicensed person is a violation of Chapter 16, State Education Law.

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