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Building #17
Campus Expansion Child
Day-care Center

777 Old Saw Mill River Road
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

Architect
GenSLER
1700 Broadway, Suite 400
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MEP / IT / Security Engineer

Cosentini Associates
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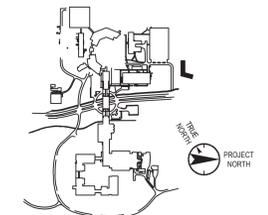
Civil Engineer

JMC
120 Bedford Road
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Landscape Architect

Langan
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Key Plan



No. Date Description

0 05 20 2022 ISSUED FOR PERMIT

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Professional Seal and Signature

Vendor Name:
Vendor Project No.:
Discipline: Drawn By:

MECHANICAL EQUIPMENT SCHEDULE
SHEET #2
Scale: NTS Floor:

M-601

UNIT TAG	CONNECTED WITH	LOCATION	AMBIENT AIR TEMP. (°F) DB	NOMINAL TONNAGE	DESCRIPTION	COOLING CAP. (MBH)	AMBIENT AIR TEMP. (°F) DB	HEATING CAP. (MBH)	CONNECTION RATIO (%)	ELECTRICAL DATA				REFRIGERANT CHARGE				OPERATING WEIGHT (LBS)	MODEL #	VIBRATION ISOLATION		SYSTEM COMPLIANCE CHECK W/INYS MC 1102.1				REMARKS			
										V/ø/HZ	MCA	MOP	RLA	EER	IEER	COP (47 F)	COP (17 F)			SCHE	FACTORY CHARGE (LBS)	ADDITIONAL CHARGE (LBS)	TYPE	DEFLECTION (IN.)	REFRIG. TYPE		REFRIG. CLASS	ALLOW. REFR. (LBS/1000) (CU.FT.)	MINIMUM ALLOWABLE VOLUME OF SPACE (CU.FT.)
899-CUR-01	899-AC-1-01A TO 899-AC-1-01G	ROOF	95	10	AIR COOLED HEAT RECOVERY	100.5	0	81.1	100%	460/3/60	21.1	25	12.8	13.2	25.5	3.81	2.54	26	25.8	19.7	750	REYQ120XAYDA	SEE SPECS	R410A	A1	26/2 = 13	3,500		
899-CUR-02	899-AC-1-02A TO 899-AC-1-02G	ROOF	95	10	AIR COOLED HEAT RECOVERY	100.1	0	81.1	93%	460/3/60	21.1	25	12.8	13.2	25.5	3.81	2.54	26	25.8	19.7	750	REYQ120XAYDA	SEE SPECS	R410A	A1	26/2 = 13	3,500		
899-CUR-03	899-AC-1-03A TO 899-AC-1-03E	ROOF	95	10	AIR COOLED HEAT RECOVERY	100.1	0	81.1	95%	460/3/60	21.1	25	12.8	13.2	25.5	3.81	2.54	26	25.8	19.7	750	REYQ120XAYDA	SEE SPECS	R410A	A1	26/2 = 13	3,500		
899-CUR-04	899-AC-1-04A TO 899-AC-1-04G	ROOF	95	10	AIR COOLED HEAT RECOVERY	109.7	0	81.1	110%	460/3/60	21.1	25	12.8	13.2	25.5	3.81	2.54	26	25.8	19.7	750	REYQ120XAYDA	SEE SPECS	R410A	A1	26/2 = 13	3,500		
899-CUR-05	899-AC-1-05A TO 899-AC-1-05F	ROOF	95	8	AIR COOLED HEAT RECOVERY	80.1	0	76.3	100%	460/3/60	21.1	25	10.5	14.6	27.8	4.23	2.63	26.4	25.8	19.7	750	REYQ96XAYDA	SEE SPECS	R410A	A1	26/2 = 13	3,500		

- NOTES:
- PROVIDE VIBRATION ISOLATORS.
 - PROVIDE DISCONNECT SWITCHES.
 - PROVIDE LOW AMBIENT BAFFLE KIT - ZLABP04A
 - MANUFACTURER MUST BE CERTIFIED, LISTED, AND LABELED PER AHR 1230
 - SYSTEM RATING DATA BASED ON DESIGN AMBIENT CONDITIONS FOR COOLING AND FOR HEATING.
 - SUBMITTED PERFORMANCE DATA MUST BE FULLY DE-RATED FOR ALL COMPONENTS AND ACCESSORIES, INCLUDING BUT NOT LIMITED TO, LINE LENGTH, VERTICAL SEPARATION, CONNECTION RATIO, DESIGN CONDITIONS, CONDENSER COIL COATING.
 - CONDENSING UNITS MUST HAVE FULLY MODULATING INVERTER COMPRESSORS.
 - CONDENSING UNITS MUST HAVE AUTO CHANGEOVER FUNCTIONS.
 - DEMAND LIMITING RELAY CONTACT MUST BE PROVIDED.
 - EEV ACTUATORS MUST BE REMOVABLE FROM VALVE BODY WITHOUT DISTURBING THE REFRIGERANT SYSTEM.
 - AC THERMOSTATS MUST PROVIDE +/- 1 DEGREE DEAD-BAND SET-POINT AND CONTROL CAPABILITY.
 - SYSTEM SHALL BE PROVIDED WITH TOUCH MANAGER CONTROLLER WITH WEB BASED SOFTWARE FOR DISPLAYING UP TO 8 DILNET SYSTEMS WITH 128 INDOOR UNITS PER SYSTEM PC BY OTHERS.
 - MANUFACTURERS SUBMITTAL MUST INCLUDE REFRIGERANT PIPING DIAGRAM WITH PIPE DIAMETERS, LEAKTIGHTS, AND REFRIGERANT VOLUME.
 - SUBSTITUTE MANUFACTURER SHALL BE RESPONSIBLE FOR ADDITIONAL PIPING AND REFRIGERANT.
 - CONTRACTOR TO VERIFY PIPING DIMENSIONS.
 - INSTALLING CONTRACTOR MUST HAVE SUCCESSFULLY COMPLETED MANUFACTURERS CERTIFIED INSTALLATION CLASS WITHIN PAST 36 MONTHS.
 - CONTRACTOR TO FURNISH AND INSTALL INSULATION ON REFRIGERANT PIPING.
 - MANUFACTURERS REPRESENTATIVE MUST HAVE LOCAL STOCK OF PARTS AND FACTORY CERTIFIED TECHNICIAN ON STAFF.
 - MANUFACTURERS REPRESENTATIVE SHALL PROVIDE PROOF OF ONGOING INSTALLATION TRAINING AT THEIR LOCAL FACILITY FOR AT LEAST THE PAST 5 YEARS.
 - MANUFACTURERS REPRESENTATIVE SHALL PROVIDE PROOF OF CONTINUOUS SALES AND SUPPORT OF THEIR PRODUCTS FOR AT LEAST 15 YEARS.
 - MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIRECT COSTS AND OPERATING COSTS INCREASES FOR 20 YEARS ASSOCIATED WITH ANY DEVIATIONS RESULTING FROM CHANGES IN DESIGN.
 - MANUFACTURERS MUST PROVIDE 10 YEAR PARTS WARRANTY ON ALL ACS, CONDENSING UNITS, AND MODE CHANGEOVER DEVICES. WARRANTY CONDITIONS MUST BE CLARIFIED DURING SUBMITTAL PHASE.
 - 3-PHASE AIR COOLED CONDENSING UNITS MUST HAVE PUBLISHED PERFORMANCE DATA WITH 200W INDOOR CONNECTED CAPACITY.
 - CONDENSING UNITS MUST BE FURNISHED WITH PROTECTIVE COIL COATING TO WITHSTAND ASTM B117 SALT SPRAY TEST FOR A MINIMUM OF 1000 HOURS PERFORMANCE OF SYSTEM MUST BE DE-RATED FOR COIL COATING.
 - MANUFACTURER MUST CERTIFY AND SUBMIT SYSTEM PERFORMANCE AT EXTREME CONDITIONS OF 122 DEGREES FDB AMBIENT IN COOLING MODE AND -13 DEGREES FDB IN HEATING MODE.
 - INSTALLING CONTRACTOR MUST HAVE SUCCESSFULLY COMPLETED MANUFACTURERS CERTIFIED INSTALLATION CLASS WITHIN PAST 36 MONTHS.

UNIT TAG	CONNECTED WITH		LOCATION	SERVICE	TYPE	NOMINAL TONS	NOMINAL CAPACITY		CORRECTED CAPACITY			ENTERING (RETURN) AIR TEMPERATURE			OUTSIDE AIR (CFM)	FAN AIRFLOW (CFM DESIGN/ (CFM HHVHL)	MAX STATIC PRESS. (IN.W.G.)	POWER					OPERATING WEIGHT (LBS)	DIMENSION (WxHxD')	MODEL	VIBRATION ISOLATION		REMARKS
							TOTAL COOLING (MBH)	HEATING (MBH)	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)	HEATING (MBH)	COOLING DB	COOLING WB	HEATING DB				VOLTS	PHASE	HZ	MCA	MOP				TYPE	DEFLECTION (IN.)	
							ACC	BSB																				
899-AC-1-01A			1ST FLOOR (SOUTH)	INFANT (ROOM #4)	HORIZONTAL	1.5	18.0	20.0	15.5	13.2	20	75	63	70	275	600 635/580/530	0.8	208	1	60	1.6	15	79.4	39.4 x 11.8 x 27.6	FXMQ18PBVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-01B			1ST FLOOR (SOUTH)	INFANT (ROOM #3)	HORIZONTAL	1.5	18.0	20.0	15.5	13.2	20	75	63	70	275	600 635/580/530	0.8	208	1	60	1.6	15	79.4	39.4 x 11.8 x 27.6	FXMQ18PBVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-01C			1ST FLOOR (SOUTH)	TODDLER (ROOM #3)	HORIZONTAL	2	24.0	27.0	20.6	16.0	27.0	75	63	70	275	675 690/620/565	0.8	208	1	60	1.8	15	79.4	39.4 x 11.8 x 27.6	FXMQ24PBVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-01D	899-CUR-01	899-BSB-1-01	1ST FLOOR (SOUTH)	TODDLER (ROOM #4)	HORIZONTAL	2	24.0	27.0	20.6	16.0	27.0	75	63	70	275	675 690/620/565	0.8	208	1	60	1.8	15	79.4	39.4 x 11.8 x 27.6	FXMQ24PBVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-01E			1ST FLOOR (SOUTH)	LAUNDRY	HORIZONTAL	0.75	9.5	10.5	8.5	6.1	10.6	75	63	70	50	315 315/265/230	0.6	208	1	60	0.8	15	55.0	21.7 x 9.6 x 31.5	FXSQ09TAVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-01F			1ST FLOOR (SOUTH)	WARMING KITCHEN	HORIZONTAL	1.25	15.0	17.0	12.9	10.2	16.5	75	63	70	110	550 560/530/500	0.8	208	1	60	1.5	15	79.4	39.4 x 11.8 x 27.6	FXMQ15PBVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-01G			1ST FLOOR (SOUTH)	INTERIOR CORRIDOR (NORTH)	HORIZONTAL	1	12.0	13.5	10.5	8.4	13.6	75	63	70	175	335 335/280/250	0.6	208	1	60	0.8	15	55.0	21.7 x 9.6 x 31.5	FXSQ12TAVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-02A			1ST FLOOR (SOUTH)	INFANT (ROOM #2)	HORIZONTAL	1.5	18.0	20.0	15.5	13.2	20	75	63	70	275	600 635/580/530	0.8	208	1	60	1.6	15	79.4	39.4 x 11.8 x 27.6	FXMQ18PBVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-02B			1ST FLOOR (SOUTH)	INFANT (ROOM #1)	HORIZONTAL	1.5	18.0	20.0	15.5	13.2	20	75	63	70	275	600 635/580/530	0.8	208	1	60	1.6	15	79.4	39.4 x 11.8 x 27.6	FXMQ18PBVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-02C			1ST FLOOR (SOUTH)	TODDLER (ROOM #2)	HORIZONTAL	2	24.0	27.0	20.6	16.0	27.0	75	63	70	275	675 690/620/565	0.8	208	1	60	1.8	15	79.4	39.4 x 11.8 x 27.6	FXMQ24PBVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-02D	899-CUR-02	899-BSB-1-02	1ST FLOOR (SOUTH)	TODDLER (ROOM #1)	HORIZONTAL	2	24.0	27.0	20.6	16.0	27.0	75	63	70	275	675 690/620/565	0.8	208	1	60	1.8	15	79.4	39.4 x 11.8 x 27.6	FXMQ24PBVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-02E			1ST FLOOR (SOUTH)	INTERIOR CORRIDOR (SOUTH)	HORIZONTAL	1	12.0	13.5	10.5	8.4	13.6	75	63	70	175	335 335/280/250	0.6	208	1	60	0.8	15	55.0	21.7 x 9.6 x 31.5	FXSQ12TAVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-02F			1ST FLOOR (SOUTH)	HEALTH OFFICE/ STROLLER STORAGE	HORIZONTAL	0.5	5.8	6.5	5.2	4.3	6.5	75	63	70	35	275 280/265/230	0.6	208	1	60	0.8	15	55.0	21.7 x 9.6 x 31.5	FXSQ05TAVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-02G			1ST FLOOR (SOUTH)	WELLNESS/ CORRIDOR	HORIZONTAL	0.75	9.5	10.5	8.5	6.1	10.6	75	63	70	30	315 315/265/230	0.6	208	1	60	0.8	15	55.0	21.7 x 9.6 x 31.5	FXSQ09TAVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-03A			1ST FLOOR (CENTER)	LOBBY/RECEPTION	HORIZONTAL	4	48	54	41.3	30.5	54	75	63	70	300	1,375 1,375/1,165/990	0.8	208	1	60	3.4	15	101.4	55.1 x 11.8 x 27.6	FXMQ48PBVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-03B			1ST FLOOR (CENTER)	MOVEMENT MATTERS ZONE	HORIZONTAL	2	24.0	27.0	20.6	16.0	27.0	75	63	70	300	675 690/620/565	0.8	208	1	60	1.8	15	79.4	39.4 x 11.8 x 27.6	FXMQ24PBVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-03C	899-CUR-03	899-BSB-1-03	1ST FLOOR (CENTER)	DIRECTOR OFFICE/ LOBBY	HORIZONTAL	0.5	5.8	6.5	5.2	4.3	6.5	75	63	70	45	275 280/265/230	0.6	208	1	60	0.8	15	55.0	21.7 x 9.6 x 31.5	FXSQ05TAVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-03D			1ST FLOOR (CENTER)	CONFERENCE ROOM/ LOBBY	HORIZONTAL	2	24.0	27.0	20.6	16.0	27.0	75	63	70	75	675 690/620/565	0.8	208	1	60	1.8	15	79.4	39.4 x 11.8 x 27.6	FXMQ24PBVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-03E			1ST FLOOR (CENTER)	PERIMETER CORRIDOR (WEST)	HORIZONTAL	1	12.0	13.5	10.5	8.4	13.6	75	63	70	75	335 335/280/250	0.6	208	1	60	0.8	15	55.0	21.7 x 9.6 x 31.5	FXSQ12TAVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-04A			1ST FLOOR (SOUTH)	STEAM LAB	HORIZONTAL	1.5	18.0	20.0	15.5	13.2	20	75	63	70	325	600 635/580/530	0.8	208	1	60	1.6	15	79.4	39.4 x 11.8 x 27.6	FXMQ18PBVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-04B			1ST FLOOR (SOUTH)	STAFF LOUNGE/ COPY AREA / STORAGE	HORIZONTAL	2.5	30.0	34.0	25.8	20.1	34	75	63	70	215	1,075 1,095/950/810	0.8	208	1	60	2.8	15	101.4	55.1 x 11.8 x 27.6	FXMQ30PBVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-04C			1ST FLOOR (SOUTH)	PRESCHOOL #1	HORIZONTAL	2.5	30.0	34.0	25.8	20.1	34	75	63	70	375	1,075 1,095/950/810	0.8	208	1	60	2.8	15	101.4	55.1 x 11.8 x 27.6	FXMQ30PBVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1)	
899-AC-1-04D	899-CUR-04	899-BSB-1-04	1ST FLOOR (SOUTH)	PRESCHOOL #1	CASSETTE	0.5		5	4.3	6.5	75	63	70	0	300		208	1	60	0.3	15	35	22.6 x 10.2 x 22.6	FXZQ05TAVJU	PER SPECIFICATIONS	SEE NOTES BELOW, OPTIONS: BRC1E73 (1), BYF060C3W1W (1)		
899-AC-1-04E			1ST FLOOR (SOUTH)	PRESCHOOL #2	HORIZONTAL	2.5	30.0	34.0	25	20.1	34	75	63	70	375	1,075 1,095/950/810	0.8	208	1									