

NEW PACKAGED ROOFTOP UNIT WITH ENERGY RECOVERY SCHEDULE																				
TAG	MFG	MODEL NO.	AIR FLOW (CFM)		MOTOR HP	ESP (IN. WC)	COOLING							OUTSIDE AIR TEMP	SUPPLY AIR TEMP (DB/WB)	VOLTAGE/PH	MCA	MOCP	WEIGHT (LBS)	NOTES
			TOTAL	OUTDOOR			TOTAL (MBH)	SENSIBLE (MBH)	ENT DB	AIR WB	LEAV. DB	AIR WB	EER							
RTU-1	TRANE	THH180G3R0D	6065	2995	3.0	1.5	182.62	148.32	79.4	66.3	59.96	57.95	12.1	95.0	62.06/58.75	208/3	73.0	100.0	3141	1,2,3,4,5,6
NOTES: 1. UNIT SHALL BE EQUIPPED WITH ENERGY RECOVERY WHEEL. 2. PROVIDE WALL MOUNT CO2 SENSOR FOR DEMAND CONTROL VENTILATION. 3. REFER TO RTU MOUNTING DETAIL FOR ADDITIONAL INFORMATION. 4. UNIT SHALL BE FURNISHED WITH FACTORY BACNET CARD. COORDINATE WITH ATC VENDOR PRIOR TO ORDERING. 5. MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCE ON ALL SIDES. 6. UNIT SHALL BE FURNISHED WITH FACTORY GFI RECEPTACLE FOR SERVICE.																				

STEAM HEATING COIL SCHEDULE											
TAG	MFG	MODEL	TYPE	CFM	P.D. (IN. WC)	CAPACITY (MBH)	EAT DB	LAT DB	STEAM PRESS. (PSI)	AIR VELOCITY (FPM)	ROWS
SC-1	CAPITOL COIL	M8-3024-14A-HCA-R	HORIZONTAL	6000	0.69	233.2	50.6	86.5	2.0	1200	1 14
NOTES: 1. REFER TO STEAM COIL DETAIL FOR ADDITIONAL INFORMATION. 2. PROVIDE MOTORIZED MODULATING CONTROL VALVE AS MANUFACTURED BY BELIMO.											

EXHAUST FAN SCHEDULE										
TAG	SERVICE	LOCATION	MFG	MODEL	AIR FLOW (CFM)	STATIC PRESS. (IN. H2O)	RPM	HP	VOLTAGE	FLA
EF-1	CAFETERIA	CEILING	COOK	100SQN17DEC	700	0.40	1725	1/4	115-1-60	5.8
NOTES: 1. PROVIDE FACTORY BACKDRAFT DAMPER. 2. PROVIDE VARIABLE SPEED ECM MOTOR WITH SPEED CONTROL. 3. FAN SHALL BE TIED TO BAS AND SCHEDULED TO RUN ONLY DURING SERVING TIMES (IE. 11:30A-1P).										

EXTERIOR LOUVER SCHEDULE	
TAG	EL-1
PRODUCT TYPE	DRAINABLE LOUVER
MANUFACTURER	AIROLITE
MODEL	K6744
AREA (IN. X IN.)	18 X 18
DEPTH (IN.)	4
FREE AREA (%)	56
NOTES: 1. LOUVER SHALL BE FURNISHED WITH INSECT SCREEN. 2. PROVIDE KYNAR FINISH & REFER TO ARCHITECTURAL PLANS FOR COLOR.	

VENTILATION AIR REQUIREMENTS									
Project:	Greenville Elementary Cafeteria Renovation			State:	New York	Relevant Code:	IMC 2020		
HVAC ZONE	AREA SERVED	OCCUPANCY CLASSIFICATION	OCCUPANT DENSITY (#/1000 SQFT)	OCCUPANT LOAD Pz (Az)	REQUIRED VENTILATION Rp / Ra	ZONE AIR DIST. EFFECTIVENESS (Ez)	O./E.A. REQUIRED (CFM) Vbz	O./E.A. DESIGN (CFM)	REMARKS
Zone 1	[129] CAFETERIA	Cafeteria	-	161 (2547.94 SF)	7.5 CFM/PERSON 0.18 CFM/SF	0.8	2083	2085	1
	[C13.3] KITCHEN GALLEY	Kitchens	20	2 (71.18 SF)	7.5 CFM/PERSON 0.12 CFM/SF	0.8	29	30	
	CALCULATED OUTSIDE/MAKEUP AIR FOR SYSTEM TOTAL						2112	2115	
REMARKS:									
1. OCCUPANCY DETERMINED BY EXPECTED NUMBER OF SEATS IN THE SPACE									

AIR OUTLET SCHEDULE					
TAG	MFG	MODEL	AIRFLOW (CFM)	SIZE	NOTES
SR-1	TITUS	DL	SEE DWGS	20X12	
CD-1	TITUS	OMNI	SEE DWGS	24X24	
RAG-1	TITUS	MLR-39	SEE DWGS	5FT LONG (3) 1" SLOTS	
EG-1	TITUS	350RL	SEE DWGS	24X12	
NOTES: 1. ALL AIR OUTLETS SHALL BE WHITE UNLESS OTHERWISE NOTED ON PLANS.					

BRANCH DUCT SCHEDULE	
AIR FLOW (CFM)	ROUND DUCT SIZE (IN.)
0 -105	6
106-160	7
161-230	8
231-320	9
321-420	10
421-685	12
686-1025	14
1026-1450	16
1451-2000	18
NOTES: 1. WHETHER OR NOT INDICATED ON PLANS, CONTRACTOR SHALL FURNISH AND INSTALL MANUAL VOLUME DAMPERS IN ALL SUPPLY AND RETURN BRANCH DUCTS.	

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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
 GREENVILLE ELEMENTARY SCHOOL
 66-04-06-03-0-008-021

PROJECT: EDGEMONT SCHOOL DISTRICT GREENVILLE ELEMENTARY SCHOOL CAFETERIA RENOVATION	DRAWING TITLE: MECHANICAL SCHEDULES
01-31-2025	BID
01-10-2022	SED SUBMISSION
DATE	ISSUED TO
SHEET SIZE: 30"x42"	DRAWING NO. GVES M300
SCALE: AS NOTED	FILE NO. 24529.01
DRAWN BY: LFG	