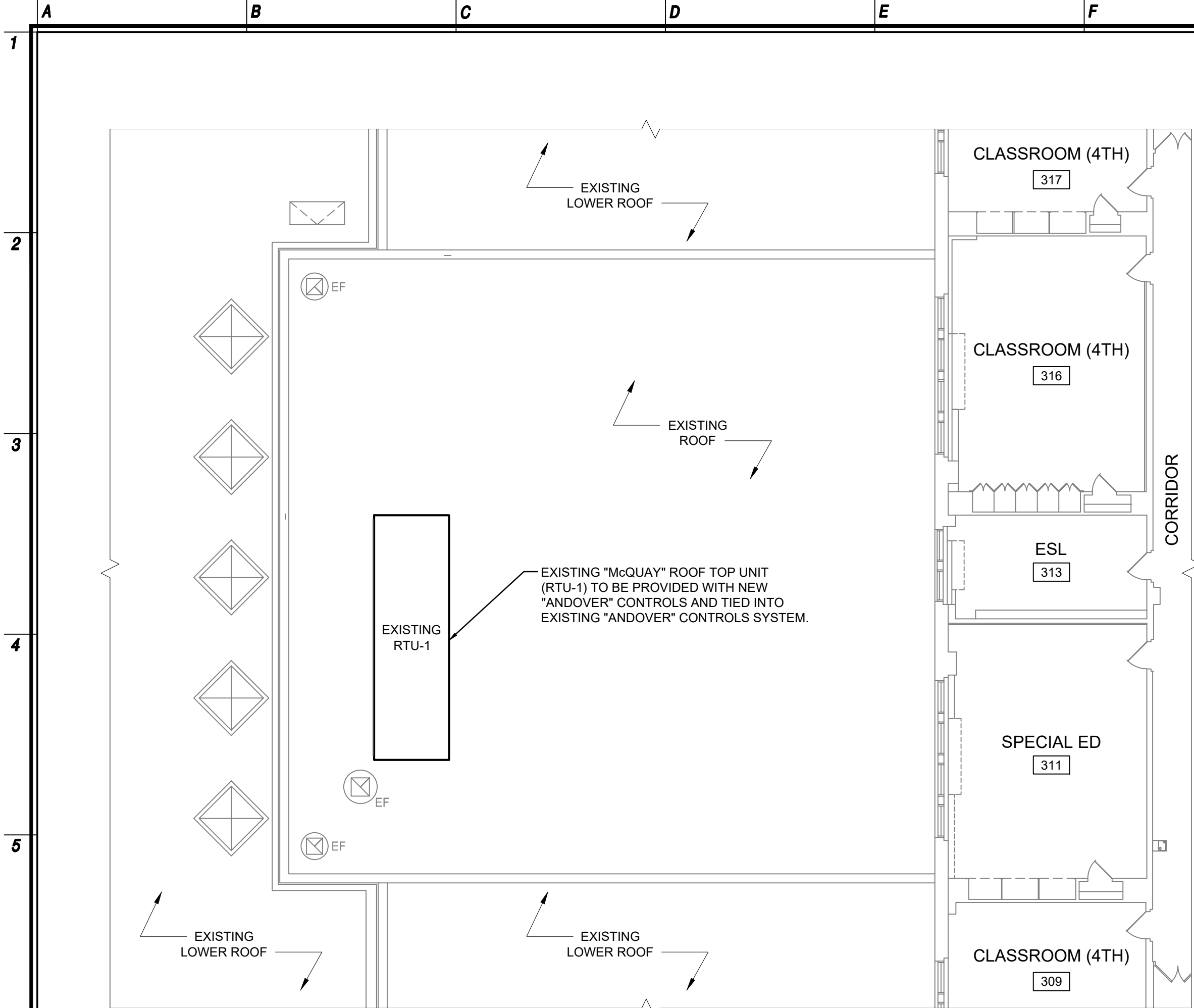
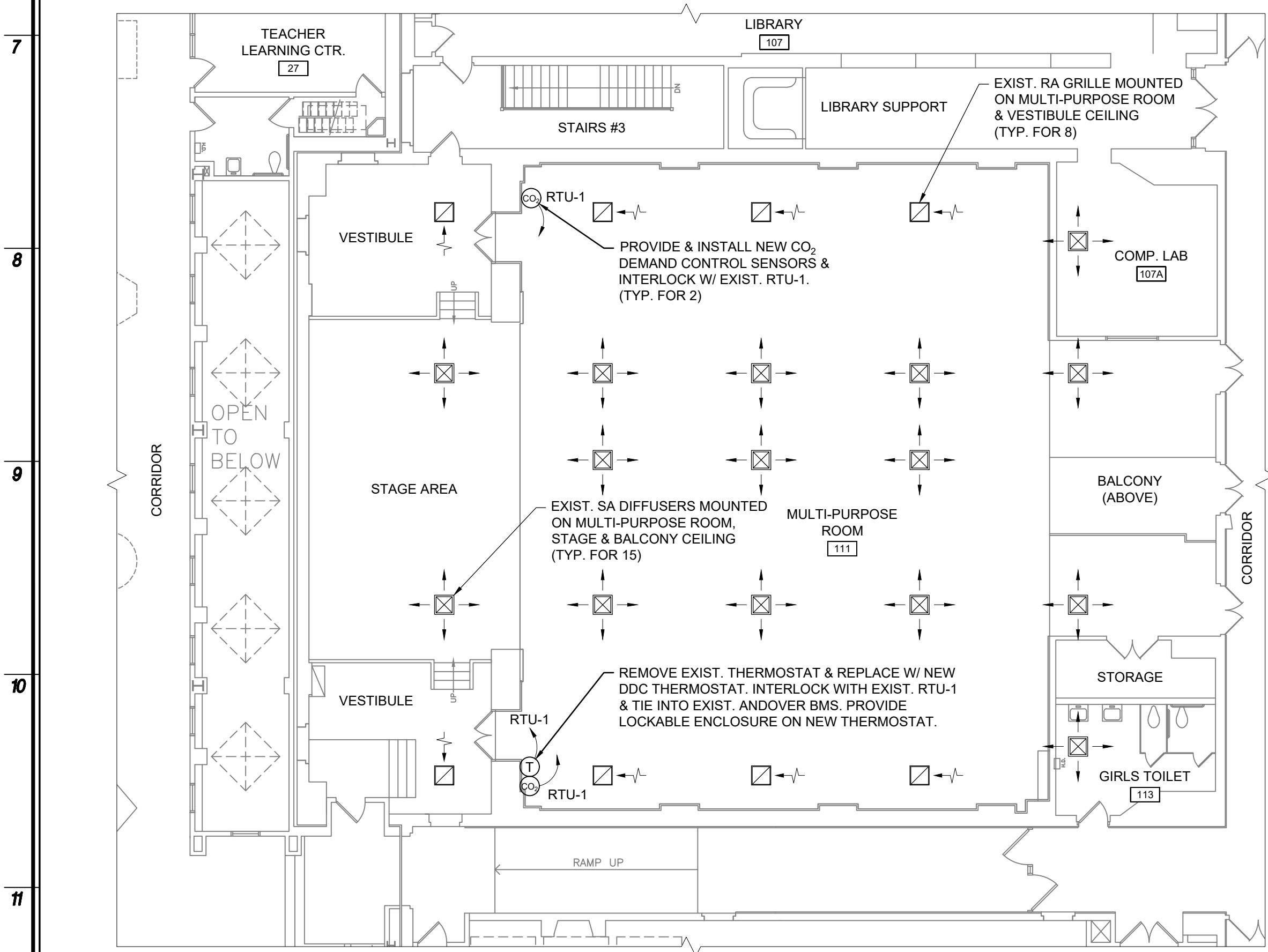




Roof/Third Floor DDC Replacement Plan

2
M2.03
3/32" = 1'-0"



Multipurpose Room DDC Replacement Plan

1
M2.03
3/32" = 1'-0"

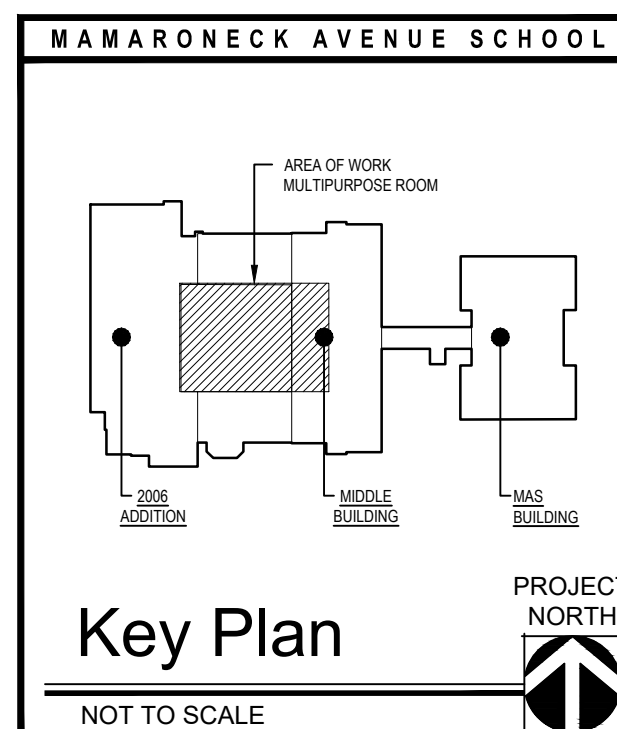
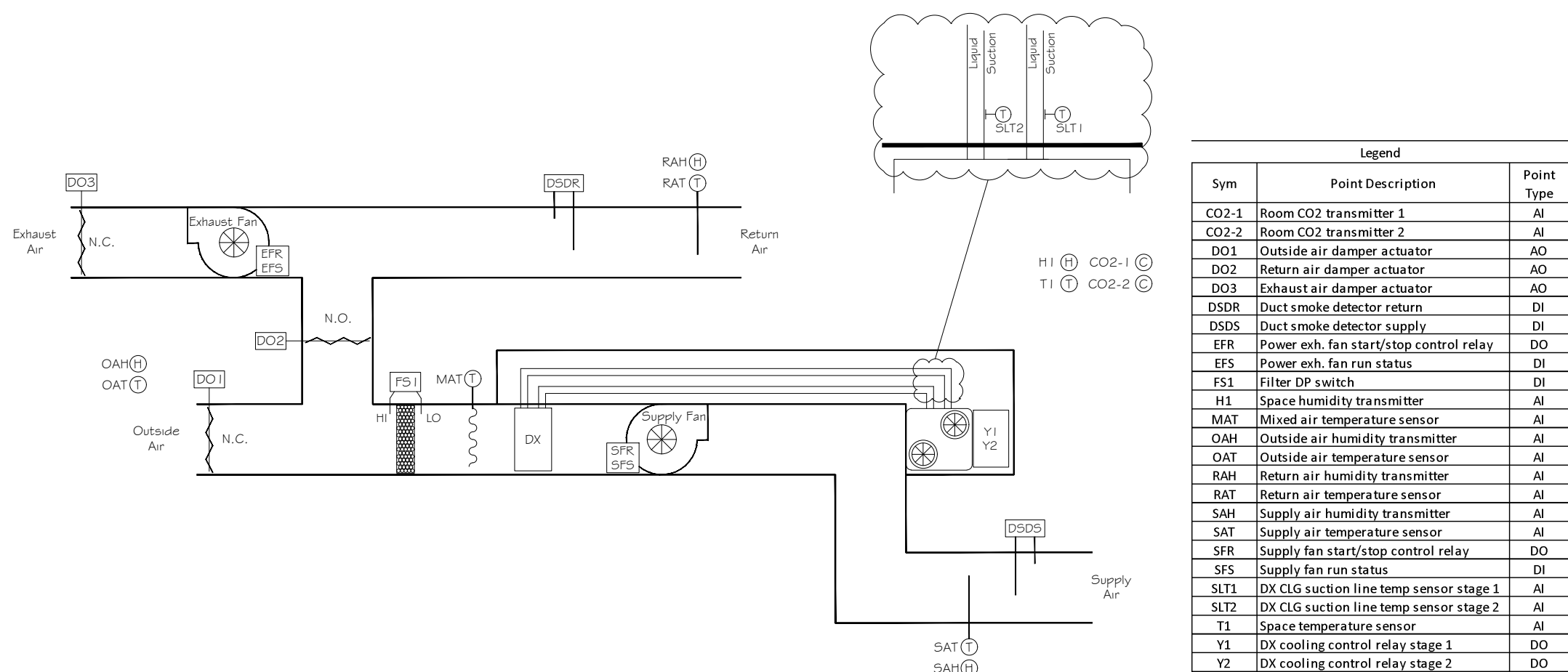


EXISTING PACKAGED ROOFTOP AIR CONDITIONING UNIT SCHEDULE																							FOR INFORMATION ONLY					
TAG No.	AREA SERVED	MFG'R	MODEL No.	SUPPLY (CFM)	MIN. O.A. (CFM)	MAX. O.A. (CFM)	SUPPLY FAN DATA				RETURN/SPILL FAN DATA				COOLING COIL						ELECTRICAL DATA			EFFICIENCY		UNIT WT. (LBS)	REMARKS	
							ESP. (IN)	RPM	BHP	HP	CFM	ESP. (IN)	RPM	BHP	HP	COOLING (TMBH)	COOLING (SMBH)	EADB (°F)	EAWB (°F)	LADB (°F)	LAWB (°F)	MCA	MOP	VOLT/PH/HZ	PRE-FILTER			FINE-FILTER
RTU-1	MULTIPURPOSE ROOM	McQUAY	RPS050C	15,000	1,250	6,200	1.25	638	10.7	15	14,000	0.75	525	3.0	3.0	642.7	470.6	83	68	54.3	54.0	249.4	250	208/3/60	30%	95%	10,800	WITH THERMOSTAT, CONVENIENCE OUTLET, DISCONNECT SWITCH, DUAL ENTHALPY AIR SIDE ECONOMIZER, CO2 DEMAND CONTROLLED VENTILATION, SMOKE DETECTOR AND SHUTDOWN.

VENTILATION INDEX																		
UNIT SERVED	ROOM NAME & NUMBER	OCCUPANCY CLASSIFICATION	FLOOR AREA (SQ. FT.)	REQUIRED O.A. PER SQ. FT.	REQUIRED O.A. FOR SPACE	OCCUPANCY DENSITY PER 1,000 FT²	OCCUPANCY BASED ON DENSITY	VENTILATION OCCUPANCY	REQUIRED O.A. PER PERSON	REQUIRED O.A. FOR OCCUPANCY	TOTAL REQUIRED O.A. (CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS	ZONE MIN. O.A. REQUIRED (CFM)	ACTUAL O.A. (CFM)	EXHAUST AIR (CFM)	REMARKS		
EXIST. RTU-1	MULTI-PURPOSE ROOM 111 & STAGE	MULTIUSE ASSEMBLY	4,972	0.06	298	100	497	497	7.5	3,728	4,026	0.8	5,032	5,050				
EXIST. RTU-1	BALCONY	AUDITORIUMS	1,034	0.06	62	150	155	160	5	800	862	0.8	1,078	1,100		SEE NOTE #1.		
EXIST. RTU-1	VESTIBULES	CORRIDORS	564	0.06	34	-	-	-	-	-	34	0.8	42	50		SEE NOTE #2.		
													TOTAL	6,152	6,200			
NOTES: 1. VENTILATION OCCUPANCY IS BASED ON TOTAL SEATING. 2. MAKEUP AIR TO VESTIBULES FROM STAGE THROUGH OPEN SPACE.																		

Existing Rooftop Unit (RTU-1) Flow Diagram

3
M2.03
NOT TO SCALE



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Revisions:
1. 11/23/20

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NYSED PROJECT # 66-07-01-03-0-004-030

MECHANICAL PROPOSED PLANS

2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
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Job No. 4.1092.72.2
File No. 10927202M201

M2.03