RCNY 5000 - TABLE 1 -RESIDENTIAL BUILDINGS						
		IB	MECHANICAL AND SERVICE WATER HEATING INSPECTIONS			
YES	NO	II	INSPECTION/TEST	FREQUENCY/MINIMUM	REFERENCE STANDARD (SEE ECC CHAPTER 6) OR OTHER CRITERIA	ECC OR OTHER CITATION
	X	IB1	**FIREPLACES:** PROVISION OF COMBUSTION AIR AND TIGHT-FITTING FIREPLACE DOORS MUST BE VERIFIED BY VISUAL INSPECTION.	PRIOR TO FINAL CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS; UL 127	C402.2.8; BC 2111; MC CHAPTERS 7, 8, 9; FGC CHAPTER 6
X		IB2	**VENTILATION AND AIR DISTRIBUTION SYSTEM:** VENTILATION SYSTEM MUST BE VERIFIED TO COMPLY WITH THE ERV/HRV REQUIREMENTS OR BALANCED VENTILATION SYSTEM. WHOLE-HOUSE VENTILATION FAN EFFICACY MUST BE VERIFIED BY VISUAL INSPECTION. NOT LESS THAN 20% OF INSTALLED AUTOMATIC OR GRAVITY DAMPERS, AND A MINIMUM OF ONE OF EACH TYPE, MUST BE VISUALLY INSPECTED AND PHYSICALLY TESTED FOR PROPER OPERATION	PRIOR TO FINAL CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS; HVI STANDARD 916; ANSI/ACCA 9QLVP2016	R403.6, R403.8, C403, C404
X		IB3	**HVAC AND SERVICE WATER HEATING EQUIPMENT:** HEATING AND COOLUNG EQUIPMENT MUST BE VERIFIED BY VISUAL INSPECTION FOR PROPER SIZING. POOL HEATERS AND COVERS SHALL BE VERIFIED BY VISUAL INSPECTION.	PRIOR TO FINAL PLUMBING AND CONSTRUCTION INSPECTION	ACCA MANUAL J AND S,APPROVED CONSTRUCTION DOCUMENTS	R403.7, R403.8, R403.10, R403.11, R403.12, C403, C404
X		IB4	**SERVICE WATER HEATING SYSTEM CONTROLS:** SYSTEM CONTROLS MUST BE INSPECTED TO VERIFY THAT EACH DWELLING IS PROVIDED WITH AT LEAST ONE INDIVIDUAL PROGRAMMABLE THERMOSTAT WITH CAPABILITIES AS DESCRIBED IN ECC R403.1.1, AND THAT SUCH CONTROLS ARE SET AND OPERATE AS SPECIFIED IN ECC R403.1.1. CONTROLS FOR SUPPLEMENTARY ELECTRIC RESISTANCE HEAT PUMPS MUST BE INSPECTED TO VERIFY THAT SUCH CONTROLS PREVENT SUPPLEMENTAL HEAT OPERATION WHEN THE HEAT PUMP COMPRESSOR CAN MEET THE HEATING LOAD. CONTROLS FOR WHOLE-HOUSE MECHANICAL VENTILATION (BALANCED VENTILATION OPTION) SHALL ENABLE MANUAL OVERRIDE. CONTROLS FOR SNOW- AND ICE-MELTING SYSTEMS AND POOLS MUST BE INSPECTED FOR PROPER OPERATION. NOT LESS THAN 20% OR ONE OF EACH CONTROL TYPE, WHICHEVER IS MORE, MUST BE INSPECTED. CONTROLS FOR TURNING OFF CIRCULATING HOT WATER PUMPS WHEN NOT IN USE MUST BE INSPECTED FOR AN AUTOMATIC OR MANUAL SWITCH.	PRIOR TO FINAL PLUMBING AND CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS, INCLUDING CONTROL SYSTEM NARRATIVES	R403.1, R403.2, R403.5, C403, C404
X		IB5	**HVAC AND SERVICE WATER PIPING DESIGN AND INSULATION:** INSTALLED PIPING INSULATION MUST BE VISUALLY INSPECTED TO VERIFY CORRECT INSULATION PLACEMENT AND VALUES. SERVICE HOT WATER DISTRIBUTION SYSTEMS MUST BE INSPECTED TO VERIFY THE SUPPLY OF HEATED WATER.	PRIOR TO CLOSING CEILING AND WALLS AND PRIOR TO FINAL CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS; NYC MECHANICAL CODE	R403.4, R403.5, R403.8, C403, C404; MC 1204
X		IB6	**DUCT LEAKAGE TESTING, INSULATION AND DESIGN:** FOR ALL DUCTWORK AND AIR HANDLERS MUST BE INSPECTED TO VERIFY THAT THE SYSTEM IS ENTIRELY WITHIN CONDITIONED SPACE. DUCTS MUST BE VERIFIED BY VISUAL INSPECTION FOR PROPER SIZING. DUCTS, AIR HANDLERS, FILTER BOXES AND BUILDING CAVITIES USED AS DUCTS MUST BE VISUALLY INSPECTED FOR PROPER SEALING. FOR ALTERATIONS, WHERE THE AIR HANDLER AND/OR SOME DUCTWORK IS IN UNCONDITIONED SPACE, DUCT-LEAKAGE TESTING MUST BE PERFORMED EITHER AFTER ROUGH-IN OR POST CONSTRUCTION TO ENSURE COMPLIANCE WITH ECC R403.3.3 AND R403.3.4. NOT	PRIOR TO CLOSING CEILING AND WALLS AND PRIOR TO FINAL CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS; ASHRAE 193; ASHRAE MANUAL D	R403.3, C403; MC603.9
		ID	**OTHER**			
X		ID1	**MAINTENANCE INFORMATION:** MAINTENANCE MANUALS FOR MECHANICAL, SERVICE HOT WATER AND ELECTRICAL EQUIPMENT AND SYSTEMS REQUIRING PREVENTIVE MAINTENANCE MUST BE REVIEWED FOR APPLICABILITY TO INSTALLED EQUIPMENT AND SYSTEMS BEFORE SUCH MANUALS ARE PROVIDED TO THE OWNER. LABELS REQUIRED FOR SUCH EQUIPMENT OR SYSTEMS MUSTL BE INSPECTED FOR ACCURACY AND COMPLETENESS.	PRIOR TO SIGN-OFF OR ISSUANCE OF FINAL CERTIFICATE OF OCCUPANCY	APPROVED CONSTRUCTION DOCUMENTS	R303.3

		TR1 Special Inspections	
YES	NO	INSPECTION	NYC BC 2022
X		MECHANICAL SYSTEMS	BC 1705.21
X		MECHANICAL DEMOLITION	BC 1705.25.5
X		HEATING SYSTEMS	BC 1705.31
	X	CHIMNEYS	BC 1705.32
X		FIRE RESISTANT PRENETRATION AND JOINTS	BC 1705.17
X		POST INSTALLED ANCHORS	BC 1705.37
X		FINAL	AC 28-116.2.4.2, BC 110.5

SYSTEM REQUIRING COMMISSIONING							
SYSTEM	SUB-SYSTEM	QUANTITY	CAPACITY (MBH) COOLING	CAPACITY (MBH) HEATING	TOTAL CAPACITY (MBH) COOLING	TOTAL CAPACITY (MBH) HEATING	REQUIRED COMMISSIONING
WATER HEATING	WH-1	1	-	100.0	-	100.0	HEATING (>600MBH) - YES COOLING (>480MBH) - NO **COMMISSIONING IS REQUIRED.**
COOLING AND HEATING	HP-1(N)	1	52.2	34.5	52.2	34.5	
	HP-2(N) & HP-3(N)	2	45.5	31.0	91.0	62.0	
	HP-4(N)	1	30.0	26.6	30.0	26.6	
	EWH-1(N)	4	-	16.4	-	65.6	
	EWH-2(N)	2	-	8.5	-	17.0	
	EWH-3(N)	2	-	3.4	-	6.8	
	BBH-1(N)	16	-	8.5	-	136.0	
	BBH-2(N)	9	-	6.8	-	61.2	
	BBH-3(N)	10	-	5.1	-	51.2	
	BBH-4(N)	7	-	3.4	-	23.9	
	EDH-1(N)	1	-	102.4	-	102.4	
				TOTAL	173	687	

ENERGY CONSERVATION CODE OF NEW YORK CITY COMPLIANCE

TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND JUDGEMENT, THESE PLANS AND SPECIFICATION ARE IN COMPLIANCE WITH THE ENERGY CONSERVATION CODE OF NEW YORK CITY 2020

2020 NYCECC Tabular Analysis Residential Building

NYCECC Citation	Provision	Item Description	Code Prescriptive Value (ECC)	Proposed Design Value	Supporting Documentation
R403.1.1	**Programmable thermostat**	Thermostats	The thermostat controlling the primary heating or cooling system of the dwelling unit shall be capable of controlling the heating and cooling system on a daily schedule to maintain different temperature set points at different times of the day. Thermostat shall have ability to setback temperatures down to 55°F (13°C), or up to 85°F (29°C). Initial set point to be no higher than 70°F (21°C) in heating and 78°F (26°C) in cooling.	Programmable thermostat provided which have an ability to setback temperatures down to 55°F (13°C), or up to 85°F (29°C). Initial set point to be no higher than 70°F (21°C) in heating and 78°F (26°C) in cooling.	Refer to thermostatic controls on mechanical sheet M-002.00
R403.1.2	**Heat pump supplementary heat (Mandatory)**	Multi Split heat pump system, HP-1(N), HP-2(N), HP-3(N) & HP-4(N)	Except during defrost, supplementary electric heat to be prevented from coming on when heat pump compressor can meet load.	No supplementary electric heat has been provided	N/A
R403.3.2 & R403.3.3	**Sealing & Testing (Mandatory)**	Duct sealing & testing	Ducts, air handlers and filter boxes shall be sealed. Joints and seams shall comply with the NYC Mechanical Codes.	Sealing & testing requirements per code requirements, see notes.	Refer to note# 20 under building department notes on mechanical sheet M-001.00
R403.3.5	**Building cavities (Mandatory)**	Prohibition on use of framing cavities as supply ducts	Building framing cavities shall not be used as ducts or plenums.	Requirements will be met.	Refer to mechanical specification sheet M-100.00, M-101.00 & M-102.00
R403.3.8	**Duct system sizing (Mandatory)**	Duct sizing	Ducts shall be sized in accordance with ACCA Manual D.	Ducts sized in accordance with ACCA Manual D.	Refer to mechanical specification sheet M-100.00, M-101.00 & M-102.00
R403.4	**Mechanical system piping insulation (Mandatory)**	mini-split refrigerant insulation	Piping carrying fluids above 105 degree F shall be insulated to a minimum of R-3.	All piping carrying fluids above 105 degree F & below 55 degree F shall be insulated to a minimum of R-3.	Refer to piping insulation notes on mechanical sheet M-002.00
R403.6	**Mechanical ventilation (Mandatory)**	Gravity dampers	Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not in operation.	Requirements will be met.	Refer to mechanical specification sheet M-100.00, M-101.00 & M-102.00
R403.6.1 and Table R403.6.1	**Whole-house mechanical ventilation system fan efficacy**	Whole-house mechanical ventilation system fan efficacy	Bathroom fans(50 cfm) > 1.4 cfm/watt	Requirements will be met.	Refer to efficacy under fan schedule on mechanical sheet M-601.00
R403.6.2	**Balanced ventilation and HRV/ERV systems (Mandatory)**	Not required , outside air provided through natural ventilation	N/A	N/A	N/A
R403.7	**Equipment sizing and efficiency rating (Mandatory)**	Multi Split heat pump system, HP-1(N), HP-2(N), HP-3(N) & HP-4(N)	Heating and cooling equipment shall be sized in accordance with ACCA Manual S based on building loads calculated in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies. New or replacement heating and cooling equipment shall have an efficiency rating equal to or greater than the minimum required by federal law for the geographic location where the equipment is installed.	Requirements will be met.	Refer to note# 16 & 19 under building department notes on mechanical sheet M-001.00
R403.8	**Systems serving multiple dwelling units (Mandatory)**	System serving single dwelling unit	Systems serving 3 or more dwelling units shall comply with Sections C403 and C404 of this code in lieu of section R403.	Dwelling unit has a dedicated system	Refer to mechanical specification sheet M-100.00, M-101.00 & M-102.00
R403.10.1	**Pools and Permanent Spa Energy Consumption (Mandatory) R403.10.1 - Heaters**	Heater controls	N/A	N/A	N/A