

SPLIT COOLING COIL SCHEDULE															
INDOOR EVAPORATOR SECTION					OUTDOOR CONDENSER SECTION							NOMINAL COOLING CAPACITY	MANUFACTURER	EER	SEER
CC DESIGN.	SERVICE	LOCATION	MODEL NUMBER	PHYSICAL DIMENSIONS LxWxH	ACCU DESIGN.	MODEL NUMBER	ELECTRICAL (VOLT/HZ/PHASE)	MCA	MOP	PHYSICAL DIMENSIONS LxWxH	WEIGHT (LBS.)				
CC-1	EAST VERNI	MECH CL. 155	4FXACU48	21-1/8"x19-3/4"x24-1/8"	ACCU-1	4TTA4048	208/60/3	18	30	31-1/4"x34-1/4"x29-1/8"	189	4 TONS	TRANE	12.5	15.0
CC-2	NORTH VERNI	MECH RM 162	4FXACU48	21-1/8"x19-3/4"x24-1/8"	ACCU-8	4TTA4048	208/60/3	18	30	31-1/4"x34-1/4"x29-1/8"	189	4 TONS	TRANE	12.5	15.0
CC-3	SOUTH VERNI	MECH RM 162	4FXCCU60	21"x21-1/2"x30-11/16"	ACCU-9	4TTA3060	208/60/3	21	35	31-1/4"x34-1/4"x31-1/4"	226	5 TONS	TRANE	11.5	13.5

CONDENSING FURNACE SCHEDULE														
FURNACE DESIGN.	SERVICE	LOCATION	MANUFACTURER	MODEL NUMBER	STAGE 1 HEATING INPUT/OUTPUT (MBH)	STAGE 2 HEATING INPUT/OUTPUT (MBH)	AIRUE	HEATING TEMP RISE	CFM	MOTOR HP	ELECTRICAL (VOLT/HZ/PHASE)	MOP	WEIGHT (LBS.)	PHYSICAL DIMENSIONS LxWxH
FURN-1	EAST VERNI	MECH CL. 155	TRANE	80X2B080	52/416	80/64	80%	50.15°F	1600	3/4	120/60/1	15 A	129	29"x18"x34"
FURN-2	NORTH VERNI	MECH RM 162	TRANE	80X2B080	52/416	80/64	80%	50.15°F	1600	3/4	120/60/1	15 A	129	29"x18"x34"
FURN-3	SOUTH VERNI	MECH RM 162	TRANE	80X2B080	52/416	80/64	80%	50.15°F	2000	3/4	120/60/1	15 A	129	29"x18"x34"

ENERGY RECOVERY UNIT																							
UNIT NO.	SERVICE	LOCATION	FRESH AIR FLOW (CFM)	FRESH AIR FLOW ESP (IN WC)	SPACE EXHAUST AIR FLOW (CFM)	SPACE EXHAUST FLOW ESP (IN WC)	WINTER OPERATION			SUMMER OPERATION			UNIT ELECTRICAL CHAR.				PHYSICAL SIZE				MANUFACT.	MODEL*	FITRATION
							ROOM AIR (°F)	TOTAL EFFECTIVENESS	OUTSIDE AIR (°F)	ROOM AIR (°F)	TOTAL EFFECTIVENESS	OUTSIDE AIR (°F)	VOLTS-PHASE	HP	MCA	MOCF	LENGTH	WIDTH	HEIGHT	MAX WEIGHT (LBS)			
ERV-1	1ST FLR	ROOF	1500	10	1533	10	70	66.0%	13.9	75	50.3%	92.4	208/3/60	2 @ 15	10.8	15	81.5"	43.4"	43.9"	689	RENEWAIRE	HE-2XJRTV-835UJ	FRESH AIR = MERV 8 EXHAUST AIR = MERV 8
ERV-2	2ND FLR	ROOF	1500	0.75	1524	0.5	70	66.0%	13.9	75	50.3%	92.4	208/3/60	2 @ 15	10.8	15	81.5"	43.4"	43.9"	689	RENEWAIRE	HE-2XJRTV-835UJ	FRESH AIR = MERV 8 EXHAUST AIR = MERV 8

* SELECTION BASED ON 'RENEW AIRE' MANUFACTURER CONTACT DANIEL BREIT - HIGHMARK - 646-849-6441
* STANDARD FEATURES: NON-FUSED DISCONNECT, 24 VAC TRANSFORMER/RELAY PACKAGE
* PROVIDE TWO (2) ADDITIONAL MERV 8 FILTERS

* PROVIDE BACKDRAFT DAMPER
* PROVIDE PAINTABLE 6" LOUVERED WALL VENT
* PROVIDE TEMPERATURE SENSOR - DUCT MOUNT (DS-600)

* PROVIDE DIGITAL TIME CLOCK (TC1D)

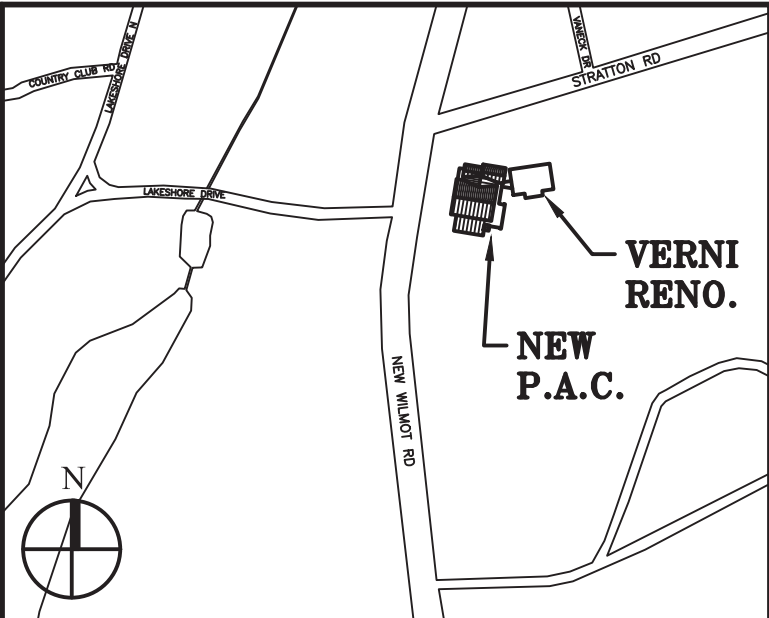
CONDENSING BOILER SCHEDULE																	OPERATING SUPPLY WATER TEMPERATURE: 160°F	
UNIT NO.	LOCATION	BOILER INPUT (BTUH) MAX/MIN	THERMAL EFFICIENCY AFUE	BOILER OUTPUT (BTUH) MAX	MANUFACTURER	MODEL NO.	OPERATING WEIGHT (LBS)	DIMENSIONS (W x D x H)	VENT DIAMETER	PIPE CONNECTION SIZING			GAS CONNECTION SIZE	COMBUSTION AIR SIZE	FLOW MIN/MAX (GPM)	HEX WATER VOLUME (GAL)	RELIEF VALVE PRESSURE RATING	MAX WORKING PRESSURE
										HUB&R	BOILER DRAIN	CONDENSATE CONNECTION						
B-1	MECH RM	500,000/ 50,000	91.1%	489,000	LOCHINVAR	FTX500N	460	26¼"x21½"x53½"	4" DIA	2" DIA	1" DIA	1" DIA	1" DIA	4" DIA	10/105	3.5	50 PSi	160 PSi
B-2	MECH RM	500,000/ 50,000	91.1%	489,000	LOCHINVAR	FTX500N	460	26¼"x21½"x53½"	4" DIA	2" DIA	1" DIA	1" DIA	1" DIA	4" DIA	10/105	3.5	50 PSi	160 PSi

PROVIDE ALL NECESSARY CONTROLS FOR BOILER OPERATION INCLUDING RESET CONTROLS, ALL SAFETIES, PUMP CONTROLS, ETC.

CIRCULATOR PUMP SCHEDULE											
PUMP NO.	LOCATION	DUTY	MODEL	MFR	TYPE	WATER TEMP. (°F)	GPM	HEAD (FT.H ₂ O)	RPM	MOTOR HP	ELEC.CHAR (VOLTS-PHASE)
BP-1	MECH. RM.	BOILER CIRCULATOR	ECOCIRC XL 20-140	B4G	CIRCULATOR	140	100 (MAX)	10	-	1/2	208/1/60
BP-2	MECH. RM.	BOILER CIRCULATOR	ECOCIRC XL 20-140	B4G	CIRCULATOR	140	100 (MAX)	10	-	1/2	208/1/60
CP-1	MECH. RM.	AIR HANDLER HEATING LOOP	ECOCIRC XL 65-130	B4G	CIRCULATOR	140	55	25	-	1	208/1/60
CP-2	MECH. RM.	RADIATOR HEATING LOOP	ECOCIRC XL 65-130	B4G	CIRCULATOR	140	40	35	-	1	208/1/60

RADIATOR SCHEDULE								
DESIGNATION	BTUH	SECTIONS	WATER TEMP	WIDTH	HEIGHT	LENGTH	MANUFACTURER	TYPE
RAD-A	550/FT	SEE PLANS	160°F	3 1/8"	10 3/4"	SEE PLANS	VULCAN	LC-209
RAD-B	5209	19	160°F	5 3/8"	8"	63"	JAGA	MINI FREESTANDING (TYPE II)
RAD-C	8865	6	160°F	5 3/8"	8"	94 1/2"	JAGA	MINI FREESTANDING (TYPE II)

EXPANSION TANK SCHEDULE											
UNIT DES.	SERVICE	FLUID	TOTAL SYSTEM VOLUME (GAL.)	TANK TOTAL VOL. (GAL.)	TANK ACCEPTANCE (GAL.)	DIMENSIONS		WATER LOGGED WEIGHT (LBS.)	MODEL	MANUFACTURER	REMARKS
						HEIGHT (IN)	DIA (IN)				
ET-1	HOT WATER HEATING SYSTEM	WATER	70	10.9	2.4	26-1/2"	12"	136	D-20V	BELL & GOSSETT	DIAPHRAGM-TYPE TYPICAL FOR 1



Key Plan (not to scale)

11.	6/23/2021	BID ADDENDUM 5
10.	6/18/2021	ISSUED FOR BUILDING PERMIT
9.	6/09/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
8.	6/09/2021	BID ADDENDUM 1
7.	6/01/2021	ISSUED FOR BID
6.	6/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	8/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE
No.	Date	Revision/Submittal
STRUCTURAL & SITE CIVIL ENGINEER DOMINICK R. PILLA ASSOCIATES, P.C. 143 MAIN STREET NYACK, NY 10960 845-727-7793		
MEP ENGINEER JMY CONSULTING ENGINEERING, P.C. 37 W. 59 STREET, STE 703 NEW YORK, NY 10019 212-662-9855		
ROOFING CONSULTANT WATSKY ASSOCIATES 20 MADISON AVENUE VALHALLA, NY 10986 914-945-3450		

Stamp

Project Title
IONA PREPARATORY SCHOOL
ADDITION AND ALTERATION TO THE
PAUL VERNI FINE ARTS CENTER

Project Address
IONA PREPARATORY SCHOOL
255 Wilmot Road
New Rochelle, NY 10804

Drawing Title
MECHANICAL SCHEDULES II

Scale	Job No.	Date	Drawing No.
NTS	20-2723	04/03/2019	M-602
Drawn			

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