SCHEDULES

	PACKAGED GAS-FIRED ROOF TOP UNIT SCHEDULE												RTU X														
	GENERAL DATA SUPPLY FAN									COOLING (EVAPORATOR COIL) NATURAL GAS BURNER ELECTRICAL DATA								WEIGHT									
PLAN NO.	MANUFACTURER MODEL	AREA SERVED	TOTAL AIR CFM	EXT STATIC PRESS IN. WC	FAN SPEED RPM	FAN HP	MIN OA CFM	EXH FAN CFM	NOM TONS	EER	TOTAL MBH	SENS MBH	EAT DB °F	EAT WB °F	LAT DB °F	LAT WB °F	INPUT MBH	OUTPUT MBH	AFUE %	STAGES	EAT DB °F	LAT DB °F	VOLTS/Ø	MCA	МОР	LBS W/CURB & ACCESS.	REMARKS
RTU-3	CARRIER 48LCEA05A-5-0E2C0	FIRST FLOOR TENANT	1600	1.5	1379	2.9 BHP	240	240	4	12.6	44.2	25.9	78	67	63.2	60.8	82/115	66/93	81	TWO	57	95.8	208/3	32	-	777	SEE NOTES

20. PROVIDE PROGRAMMABLE THERMOSTAT.

NOTES:

- 1. UNIT SHALL BE SUPPORTED BY EXISTING RAILS. PROVIDE SUPPLEMENTAL SUPPORT AS
- NECESSARY FOR PROPER MOUNTING. 2. PROVIDE DRAIN PAN WITH UL #508 APPROVED WATER DETECTION SENSOR FOR UNIT
- SHUTDOWN. WIRE CONTROL CIRCUIT THROUGH NC CONTACT. 3. PROVIDE UNIT WITH VAV OPERATION. 4. PROVIDE WITH COMPARATIVE ENTHALPY ECONOMIZER WITH FAULT DETECTION MONITORING.
- PROVIDE WITH POWER EXHAUST.
- 6. PROVIDE THRU BASE ELECTRIC.
- 7. PROVIDE UNIT MOUNTED NON-FUSED DISCONNECT SWITCH. 8. PROVIDE FACTORY POWERED 120V CONVENIENCE RECEPTACLE (ALWAYS HOT) WITH CIRCUIT
- PROTECTION BY EC.
- 10. PROVIDE HAIL GUARDS. 11. PROVIDE MERV 13 FILTERS.

12. PROVIDE BACNET INTERFACE.

9. PROVIDE HINGED ACCESS DOORS.

- 13. PROVIDE RETURN AIR SMOKE DETECTOR WIRED TO SHUT DOWN UNIT WITH ACCESSORY REMOTE KEY OPERATED TEST STATION. LOCATE TEST STATION NEAR THERMOSTAT.
- 14. PROVIDE 2-STAGE COOLING WITH HUMIDI-MIZER (HOT GAS REHEAT COIL). 15. PROVIDE MINIMUM 2" THICK R-8 RIGID INSULATION AFFIXED TO ENTIRE BOTTOM OF UNIT WITH
- ADHESIVE AND MECHANICAL FASTENERS. COVER INSULATION WITH VENTURE TAPE MODEL 1577CW OR EQUAL EXTERIOR MEMBRANE WRAP INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
- 16. PROVIDE MODULATING OUTDOOR AND RETURN AIR DAMPERS FOR ECONOMIZER WITH FAULT DETECTION AS PER ASHRAE 90.1 LATEST EDITION.
- 17. PROVIDE UNIT WITH MODULATING CONTROL WITH VARIABLE SPEED COMPRESSORS. 18. AFTER COMPLETING SYSTEM INSTALLATION AND TESTING, ADJUSTING, AND BALANCING RTU
- AND AIR-DISTRIBUTION SYSTEMS, CLEAN FILTER HOUSINGS AND PROVIDE NEW FILTERS.
- 19. PROVIDE BI-POLAR IONIZATION GENERATOR SERVING RTU-3. BASIS OF DESIGN: GLOBAL PLASMA SOLUTIONS MODEL #GPS-FC24-AC - 120 VAC. PROVIDE 120V POWER.

				P/	ACKA	GE	D RC	OF	TOF	P UN	IT S	CHE	DULE									RTU X
	GENERAL DATA SUPPLY FAN								COOLING (EVAPORATOR COIL) ELECTRICAL DATA													
PLAN NO.	MANUFACTURER MODEL	AREA SERVED	TOTAL AIR CFM	EXT STATIC PRESS IN. WC	FAN SPEED RPM	FAN BHP	MIN FAN OA CFM	NOM TONS	SEER	EER	TOTAL MBH	SENS MBH	EAT DB °F	EAT WB °F	LAT DB °F	LAT WB °F	VOLTS/Ø	MCA	МОР	WEIGHT LBS W/ ACCESS.	REMARKS	
RTU-1	CARRIER 50GC-N05B2A3-0F6C0	SECOND FLOOR TENANT	1600	1.5	2323	1.35	240	-	4.0	16	12.2	40	23.6	78	67	64.5	62.3	208/1	38	50	749	SEE NOTES
RTU-2	CARRIER 50GC-N06B2A3-0F6C0	SECOND FLOOR TENANT	1950	1.5	259	1.38	293	-	5.0	16	12.5	56.1	33.7	78	67	61.4	60.6	208/1	41	60	807	SEE NOTES

- 1. MOUNT AND SECURE UNIT ON EXISTING DUNNAGE. PROVIDE SUPPLEMENTAL STEEL
- SUPPORTS AS REQUIRED. 2. PROVIDE DRAIN PAN WITH UL #508 APPROVED WATER DETECTION SENSOR FOR UNIT
- SHUTDOWN. WIRE CONTROL CIRCUIT THROUGH NC CONTACT.
- 3. PROVIDE UNIT WITH SINGLE ZONE OPERATION. 4. PROVIDE WITH COMPARATIVE ENTHALPY ECONOMIZER AND ENTHALPY SENSOR. INCLUDE
- FAULT DETECTION AND DIAGNOSTIC AS PER 2016 NYCECC SECTION C403.2.4.7. 5. PROVIDE OUTSIDE AIR INTAKE HOOD.
- 6. PROVIDE WITH BAROMETRIC RELIEF.
- 7. PROVIDE THRU BASE ELECTRIC. 8. CFC BASED REFRIGERANTS ARE NOT PERMITTED. 9. FURNISH DISCONNECT FOR INSTALLATION BY ELECTRICAL CONTRACTOR.
- 10. PROVIDE FACTORY INSTALLED CONVIENCE OUTLET.
- 11. PROVIDE HINGED ACCESS DOORS. 12. PROVIDE MOTORIZED OUTSIDE AIR DAMPER AND LOW AMBIENT CONTROL.
- PROVIDE HAIL GUARDS. 14. PROVIDE PROGRAMMABLE THERMOSTAT.
- 15. PROVIDE RETURN AIR SMOKE DETECTOR WIRED TO SHUT DOWN UNIT WITH ACCESSORY
- REMOTE KEY OPERATED TEST STATION. LOCATE TEST STATION NEAR THERMOSTAT. 16. PROVIDE BI-POLAR IONIZATION GENERATOR SERVING RTU-1 & 2. BASIS OF DESIGN: GLOBAL
- PLASMA SOLUTIONS MODEL #GPS-FC24-AC 120 VAC. PROVIDE 120V POWER. 17. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE HIGH STATIC DRIVE.
- 18. PROVIDE MERV 13 FILTERS. 19. PROVIDE BACNET INTERFACE.

							AIR I	HANE	DLING	G UN	IIT SC	CHE	DULI	Ξ									AHU X
						SUPPI	_Y FAN				COOL	ING CO	IL			FILTER	RS	ELEC	CTRICAL	-			
PLAN NO.	MANUFACTURER MODEL	LOCATION	AREA SERVED	MIN OA CFM	AIRFLOW CFM	ESP IN. H20	MOTOR HP	MOTOR RPM	TOTAL MBH	SENS MBH	REFRIG	EAT DB °F	EAT WB °F	LAT DB °F	LAT WB °F	TYPE	MIN MERV RATING	VOLTS/Ø	HP	FLA	MATCH CU-X UNIT	WEIGHT LBS	REMARKS
AHU-1	AMERICAN STANDARD TEM4A0C48S41SA	ROOM 203	CHIROPRACT OR SUITE	240	1600	0.7	1-1/2	1075	48	30	R-410A	75.3	65.4	55.5	54.3	PLEATED	8	208/1	1-3/4	6.3	CU-1	138	SEE NOTES
NOTE	٥.																						

- 1. PROVIDE DRAIN PAN WITH UL #508 APPROVED WATER DETECTION SENSOR FOR UNIT
- SHUTDOWN. WIRE CONTROL CIRCUIT THROUGH NC CONTACT. 2. PROVIDE UNIT MOUNTED NON-FUSED DISCONNECT SWITCH.
- 3. PROVIDE POWERED CONVENIENCE RECEPTACLE (ALWAYS HOT) WITH CIRCUIT PROTECTION.
- 4. PROVIDE HINGED ACCESS DOORS. 5. PROVIDE PROGRAMMABLE THERMOSTAT. 6. PROVIDE 4" FILTER RACK FOR MERV 13 FILTERS.
- 7. PROVIDE BI-POLAR IONIZATION GENERATOR SERVING AHU-1. BASIS OF DESIGN: GLOBAL PLASMA SOLUTIONS MODEL #GPS-FC24-AC - 120 VAC. PROVIDE 120V POWER.

1. MOUNT FAN ON MINIMUM 12" HIGH SEISMIC/WIND-RATED ROOF CURB.

5. PROVIDE VARI-GREEN ELECTRONICALLY COMMUTATED (EC) MOTOR. 6. PROVIDE UNIT-MOUNTED SPEED CONTROLLER FOR BALANCING.

3. PROVIDE CONTROLS FROM WALL SWITCH.

4. UL 705 LISTED.

2. PROVIDE NEMA-1 TOGGLE DISCONNECT SWITCH, BIRDSCREEN, & BACKDRAFT DAMPER.

				ŀ	EXHAUST	FAI	N SC	HED	ULE								EF X
						FAN P	FAN PERFORMAN		NCE		RICAL DATA	1		DUCT	ROOF		
PLAN NO	MANUFACTURER MODEL	LOCATION	AREA SERVED	FAN TYPE	SYSTEM TYPE	CFM	TOTAL SP	FAN RPM	HP	RPM	VOLTS/Ø	DRIVE	dBA	CONN (INCHES)	OPENING (INCHES)	WEIGHT LBS	REMARKS
EF-1	GREENHECK G-060-VG	ROOF	LAVATORY 202	DOME CENTRIF	GEN EXH	75	0.25	1382	1/15	1725	115/1	DIRECT	41	8x8	10.5x10.5	32	SEE NOTES
EF-2	GREENHECK G-060-VG	ROOF	LAVATORY 210	DOME CENTRIF	GEN EXH	75	0.25	1382	1/15	1725	115/1	DIRECT	41	8x8	10.5x10.5	32	SEE NOTES
EF-3	GREENHECK G-060-VG	ROOF	LAVATORY 218	DOME CENTRIF	GEN EXH	75	0.25	1382	1/15	1725	115/1	DIRECT	41	8x8	10.5x10.5	32	SEE NOTES
EF-4	GREENHECK G-060-VG	ROOF	LAVATORY 227	DOME CENTRIF	GEN EXH	75	0.25	1382	1/15	1725	115/1	DIRECT	41	8x8	10.5x10.5	32	SEE NOTES
EF-5	GREENHECK G-060-VG	ROOF	LAVATORY 213	DOME CENTRIF	GEN EXH	75	0.25	1382	1/15	1725	115/1	DIRECT	41	8x8	10.5x10.5	32	SEE NOTES
NOTE	S:																

GRILLES, REGISTERS, AND DIFFUSERS SCHEDULE MARK MAKE MODEL CFM RANGE NECK SIZE REMARKS DESCRIPTION EGGCRATE RETURN AIR GRILLE - CORE OF 1/2"x1/2"x1" ALUMINUM SEE NOTES 6"x6" GRID. PROVIDE SQUARE TO ROUND TRANSITION AS NEEDED.

NOTES:

- 1. MAXIMUM NOISE CRITERION < 30.
- 2. FINISH WITH STANDARD WHITE BAKED ENAMEL FINISH (#26 WHITE), UNO. 3. FURNISH "RAPID-MOUNT" FRAMES FOR S-1 & R-1 DEVICES LOCATED IN DRYWALL CEILINGS.

6. PROVIDE REMOTE CABLE OPERATED VOLUME DAMPERS LOCATED IN INACCESSIBLE CONSTRUCTION.

4. COORDINATE MOUNTING FRAME WITH CEILING/WALL CONSTRUCTION TYPE. 5. PROVIDE DIRECTIONAL BLOW CLIPS WHERE REQUIRED.

A	AIR COOLE	D C	OND	ENS	ING U	NIT	SCH	IEDUI	$-E$ $\stackrel{CU}{\underbrace{x}}$	
PLAN	MANUFACTURER		COO CAPA	LING ACITY	ELECTF	RICAL D	ATA	WEIGHT		
NO	MODEL	EER	NOM TONS	TOTAL MBH	VOLTS/Ø	MCA	МОР	LBS	REMARKS	
CU-1	TRANE 4TTA4048A3000A	13.0	4	48	208/3	18	30	203	SEE NOTES	
CU-2	CARRIER 25CHE424AP03	14.5	2	-	208/3	14.2	25	175	SEE NOTES	
CU-3	CARRIER 38AUZ016	12.5	15	183.7	208/3	60.8	80	731	SEE NOTES	

- 1. MOUNT OUTDOOR UNIT ON MINIMUM 18" HIGH NONISOLATED WIND RESTRAINT RAILS. BASIS OF DESIGN: THE VMC GROUP MODEL #R-7000.
- 2. PROVIDE UNIT MOUNTED DISCONNECT SWITCH, LOW AMBIENT CONTROL AND HAIL GUARDS. 3. PROVIDE EXPANSION VALVE KIT FROM THE UNIT MANUFACTURER AND ELECTRICAL DISCONNECT.
- 4. PROVIDE FREEZESTAT WITH REFRIGERANT LINE KIT FROM THE UNIT MANUFACTURER WITH INSULATION ON BOTH LINES.
- 5. SWITCH FROM THE UNIT MANUFACTURER. 6. PROVIDE CONTROL WIRING DISTRIBUTION INTERLOCKED WITH EQUIPMENT SERVED.

Bankof America >>>

YONKERS

MEDIUM SCOPE RENOVATION

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<u> </u>	Issue	Date & Issue Description	Ву	Check
	01	10/09/20	CTH	JDS
		ISSUED FOR BID		
	02	02/03/2021		
		ISSUE FOR PERMIT & PRICING II		
	03	07/15/2021		
		ISSUE FOR PERMIT & PRICING VI		

Project Name
YONKERS - MEDIUM RENOVATION
Prototype Layout
CAD File Name
Description
MECHANICAL SCHEDULES
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Scale
AS SHOWN

