AIR FLOW MEASURING STATION SCHEDULE

TAG	LOCATION	SERVICE	LOCATION	AIRFLOW CFM	MANUFACTURER	MODEL	STATUS	REMARKS
AFM-SA-1	NEAR AHU-1	AHU-1	DUCTWORK	4,000	AIR MONITOR	FAN E/VELTRON II	NEW	NOTES 1
AFM-RA-1	NEAR RF-1	AHU-1	DUCTWORK	4,000	AIR MONITOR	FAN E/VELTRON II	NEW	NOTES 1
AFM-OA-1	NEAR AHU-1	AHU-1	DUCTWORK	4,000	AIR MONITOR	FAN E/VELTRON II	NEW	NOTES 1
AFM-SA-2	NEAR AHU-2	AHU-2	DUCTWORK	3,500	AIR MONITOR	FAN E/VELTRON II	NEW	NOTES 1
AFM-RA-2	NEAR RF-1	AHU-2	DUCTWORK	3,500	AIR MONITOR	FAN E/VELTRON II	NEW	NOTES 1
AFM-OA-2	NEAR AHU-2	AHU-2	DUCTWORK	3,500	AIR MONITOR	FAN E/VELTRON II	NEW	NOTES 1

NOTES:

1. PROVIDE FACTORY ASSEMBLED UNIT WITH FLOW CONDITIONER, DUCT SLEEVE AND AIR FLOW MEASURING STATION.

PUMP SCHEDULE

TAG	LOCATION	TYPE	SERVICE	CAPACITY			MOTOR					ELECTRICAL DATA			PHYSICAL DATA		MANUFACTURER	MODEL	REMARKS
				FLUID	FLOW RATE GPM	TDH FT	ROTATION SPEED RPM	MOTOR SIZE DESIGNED BHP	MOTOR SIZE RATED HP	CONTROLLER TYPE	UPS POWERED	VOLT	PH	HZ	SUCTION INCHES	DISCHARGE INCHES			
HWP-1	EAST MER	CENTRIFUGAL	HEATING HOT WATER	30% PROPLYLENE GYLCOL	60	50	1,800	1.4	2.0	VFD	NO	208	3	60	1.5	1.5	BELL & GOSSETT	E60	NOTES 1,2
HWP-2	EAST MER	CENTRIFUGAL	HEATING HOT WATER	30% PROPLYLENE GYLCOL	60	50	1,800	1.4	2.0	VFD	NO	208	3	60	1.5	1.5	BELL & GOSSETT	E60	NOTES 1,2

REMARKS:

1. VFD SHALL BE PROVIDED BY MECHANICAL CONTRACTOR AND SHALL COMPLY WITH SPECIFICATION 232923- VARIABLE FREQUENCY MOTOR CONTROLLERS
2. PUMP DISCONNECT SHALL HAVE INDIVIDUAL, PERMANENT, LOCK OUT / TAG OUT FUNCTION IN COMPLIANCE WITH NEC 70E, ARTICLE 430.102, EXCEPTION A.

FAN SCHEDULE

TAG	LOCATION	SERVICE	FLOWRATE	TOTAL STATIC PRESSURE	TYPE	MOUNTING	FAN SPEED	RADIATED	ROOF / WALL OPENING	ROOF CURB	MOTOR								DRIVE	WEIGHT	MANUFACTURER	MODEL	REMARKS
											BHP	HP	VOLT	PH	HZ	TYPE	DISCONNECT SWITCH	UPS					
RF-1	ROOF	RETURN	3,500	1.0	IN-LINE CENTRIFUGAL	HUNG			NA	NA		2	208	3	60	ODP	VFD	NO	DIRECT		PENN		1,2
RF-2	ROOF	RETURN	3,500	1.0	IN-LINE CENTRIFUGAL	HUNG			NA	NA		2	208	3	60	ODP	VFD	NO	DIRECT		PENN		1,2
EF-1	ROOF	EXERSIZE RM AND TOI LET	350	0.375	ROOF EXHAUST - CENTRIF	ROOF			NA	EXISTING		1/4	115	1	60	ODP	YES	NO	BELT		PENN		1,2,3
EF-2	ROOF	KITCHEN HOOD	2,000	0.5	ROOF EXHAUST - CENTRIF	ROOF			NA	EXISTING		2	208	3	60	ODP	YES	NO	BELT		PENN		1,2,3
EF-3	ROOF	EXTINGUSIER RM AND	425	0.25	ROOF EXHAUST - CENTRIF	ROOF			NA	EXISTING		1/2	208	1	60	ODP	YES	NO	BELT		PENN		1,2,3
EF-4	ROOF	BREATHING APARATUS RM	500	0.25	ROOF EXHAUST - CENTRIF	ROOF			NA	EXISTING		1/2	208	1	60	ODP	YES	NO	BELT		PENN		1,2,3
EF-5	ROOF	KITCHEN Rm 38	75	0.25	ROOF EXHAUST - CENTRIF	ROOF			NA	EXISTING		1/4	115	1	60	ODP	YES	NO	BELT		PENN		1,2,3
EF-6	ROOF	MECH RM 143	250	0.25	ROOF EXHAUST - CENTRIF	ROOF			NA	EXISTING		1/4	115	1	60	ODP	YES	NO	BELT		PENN		1,2,3
EF-7	ROOF	ELECTRICAL RM 141	250	0.25	ROOF EXHAUST - CENTRIF	ROOF			NA	EXISTING		1/4	115	1	60	ODP	YES	NO	BELT		PENN		1,2,3
TX-1	ROOF	MEN AND WOMENS	400	0.375	ROOF EXHAUST - CENTRIF	ROOF			NA	EXISTING		1/2	208	1	60	ODP	YES	NO	BELT		PENN		1,2,3
TX-2	ROOF	EMS AND HCP TOILETS	225	0.375	ROOF EXHAUST - CENTRIF	ROOF			NA	EXISTING		1/4	115	1	60	ODP	YES	NO	BELT		PENN		1,2,3
TX-3	CEILING	JANITOR CLOSET	50	0.1	IN-LINE	HUNG			NA	WALL		1/6	115	1	60	ODP	YES	NO	BELT		PENN		1,2

REMARKS:

1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
2. REFER TO DIVISION 23 SPECIFICATION SECTIONS FOR ADDITIONAL REQUIREMENTS.
3. INSTALL CURB ADAPTER TO SUPPORT NEW FAN ON THE EXISTING CURB.

SPLIT SYSTEM AIR COOLED CONDENSING UNIT (CU) SCHEDULE

TAG	LOCATION	SERVICE	ELEVATION FT	PERFORMANCE						COMPRESSOR				CONDENSER			ELECTRICAL DATA						PHYSCIAL SIZE					NOISE RATING dBA	MANUFACTURER	MODEL	NOTES
				NOMINAL CAPACITY TONS	EER RATING COP	IEER RATING COP	COOLING CAPACITY MBH	HEATING CAPACITY MBH	CONNECTION RATIO %	TYPE	REFRIGERANT	NO. OF CIRCUIT	CHARGE LBS	TOTAL AIR FLOW CFM	FAN ESP INCHES	DESIGN AMBIENT DEG F	MIN. CIRCUIT AMPS	VOLT	PH	HZ	SAFETY DISCONNECT SWITCH	UPS POWERED	LENGTH INCHES	WIDTH INCHES	HEIGHT INCHES	DRY WEIGHT LBS	OPERATING WEIGHT LBS				
ACCU-1	GRADE	AHU-1	CC-1																												1 THRU 3
		CC-1	4 FT ABOVE	10			120.00	0.00																					AHU UNIT MANUFACTURER		1 THRU 3
			ACCU-1							INVERTER	R410A			STD	STD	105	41.0	208	3	60	BY MECH	NO									1 THRU 3
ACCU-2	GRADE	AHU-2	CC-2																												1 THRU 3
		CC-2	4 FT ABOVE	10			120.00	0.00																					AHU UNIT MANUFACTURER		1 THRU 3
			ACCU-2							INVERTER	R410A			STD	STD	105	41.0	208	3	60	BY MECH	NO									1 THRU 3
ACCU-3	GRADE	AHU-3	AHU-3																											RNS09YBT	1 THRU 3
		AHU-3	7 FT ABOVE	0.75			9.00	11.00																					SAMSUNG		1 THRU 3
			ACCU-3							INVERTER	R410A	-		STD	STD	105	12.0	208	1	60	BY MECH	NO								RXS09YBT	1 THRU 3
ACCU-4	GRADE	AHU-4	CC-2																											RNS09YBT	1 THRU 3
		AHU-4	7 FT ABOVE	0.75			9.00	11.00																					SAMSUNG		1 THRU 3
			ACCU-4							INVERTER	R410A	-		STD	STD	105	12.0	208	1	60	BY MECH	NO								RXS09YBT	1 THRU 3

NOTES:

1. PROVIDE MANUFACTURER'S HAIL GUARD PROTECTION KIT, MULTI-UNIT PIPING CONNECTION KIT, DIGITIAL INPUT / OUTPUT UNITS, CENTRAL REMOTE CONTROLLER AND BMS (LON) INTERFACE GATEWAY.
2. UNIT TO BE MOUNTED ON GRADE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. MAINTAIN MINIMUM MANUFACTURER REQUIRED CLEARANCE BETWEEN THE UNITS.
3. MANUFACTURER FOR THE AIR HANDLING UNIT AND THE AIR COOLED CONDENSING UNIT SHALL BE THE SAME.

STATE OF NEW YORK
SCOTT A. WILSON
077777
LICENSED PROFESSIONAL ENGINEER

DPW Directorate of Public Works
500 SUMMIT LAKE DRIVE, SUITE 500
VALHALLA, NEW YORK 10595-1352
EYP

SCALE: NONE
DATE: MAY 18, 2022
DRAWN: VS
DESIGNED: SW
P.M.:
CHECKED:
SUBMITTED:
APPROVED:

REVISIONS

#	DESCRIPTION	DATE	BY

RENOVATION/ UPGRADE OF
FIRE STATION 2 (BLDG 1203)
US ARMY GARRISON WEST POINT, NY

HVAC SCHEDULES

SHEET NUMBER:
M602