												G <i>A</i>	AS F	IRED	BOILE	R SCH	HEDU	LE																
					FUE	<u> </u>		NOR	RMINAL CA	PACITY	AC	TUAL CAF	PACITY	WATER T	EMPERATURE						MAXIMUN	ı	COMBU	STION AIR	FLUE EX	HAUST	ELEC	CTRICAL	PHYS	ICAL SIZE				
						INLET PF	RESSURE									EQUIPMENT	TURNDOV	٧N	WATER	R FLOW	/ WORKING	PRESSURE	E FLOW		FLOW									
TAG	LOCATION	SERVES	DESCRIPTION	TYPE	CONNECTION	MINIMUM	MAXIMUM	INPUT	OUTPUI	Γ BOILEF	R INPUT	OUTPUT	T BOILER	ENTERING	LEAVING	EFFICIENCY	' RATIO	FLUID	VOLUM	IE RATE	PRESSUR	E DROP	RATE	SIZE	RATE	SIZE	VOLT P	H HZ FLA	SHIPPING	OPERATING	MANUFACTURER	MODEL	STATUS	REMARKS
					SIZE	W.C.	W.C.	МВН	МВН	HP	MBH	МВН	HP	DEG F	DEG F	%			GALS	GPM	PSI	FT. W.C.	CFM	INCES	CFM	INCES			LBS	LBS				
B-1	EAST MER 142	HEATING	WATER TUBE BOILER	NATURAL GAS	5 1	4	14	500	485	14.5	500	485	14.5	160	180	97	10:1	30% PG	4.9	50	160	15		4		4	120 1	60 3.1			LOCHINVAR	KNIGHT XL	NEW	NOTES 1
B-2	EAST MER 142	HEATING	WATER TUBE BOILER	NATURAL GAS	3 1	4	14	500	485	14.5	500	485	14.5	160	180	97	10:1	30% PG	4.9	50	160	15		4		4	120 1	60 3.1			LOCHINVAR	KNIGHT XL	NEW	NOTES 1

				PRI	ESS	URE	FILL ST	ATI	ION	S	CHED	JLE									
				PERFORMANCE			PUMP				ELECTRICAL				PHYSICA	L SIZE					
					FLOW	FILL	ROTATION MOTO	R					UNIT	TANK	TANK	SHIPPING	OPERATING				
TAG	LOCATION	SERVES	FLUID	PURPOSE	RATE	PRESSURE	SPEED SIZE	: vo	DLT PH	HZ	CONTROLLER	UPS	HEIGHT	DIA	VOLUME	WEIGHT	WEIGHT	MANUFACTURER	MODEL	STATUS	REMARK
					GPM	PSI	RPM HP				TYPE	POWERED	INCHES	INCHES	GAL	LBS	LBS				
GF-1	EASTMER	HOT HATER HEATING SYSTEM	30% PG	FLUID MAKEUP	1.5	100	1/2	12	20 1	60	INTERGAL	NO			50			NEPTUNE	G-50-1A	NEW	NOTES 1,2,3

NOTES:

- 1. PACKAGED AND ASSEMBLED MAKE-UP ASSEMBLY INCLUDING 55 GALLON TANK , PUMP, PRV VALVE, CHECK VALVE, AND CONTROL PANEL WITH ALARM OUTPUTS.
- 2. TANK FILLED FROM THE TOP WITH PREMIXED 30% PROPYLENE GLYCOL (PG) SOLUTION.
- 3. PROVIDE UNIT WITH LOW LEVEL ALARM CONTACT.

													A	AIR H	IANI	DLIN	NG UN	IT S	CHEE	ULE														
						OUTSIDE A	AIR SETTING	SUPPL	Y FAN CAPA	ACITY	SUF	PPLY FAN	MOTOR				SUPPLY FAN			F	PRE-FILTER	<u> </u>	FII	NAL FILTER	?	PHYSIC	CAL SIZE		DISCHA	RGE SOUND DA	TA			\top
						MINIMUM	MAXIMUM	FLOW	PRESSUR	RE DROP	SIZE									FILTRATION	PRESSU	JRE DROP	FILTRATION	PRESSU	JRE DROP	SHIPPING	OPERATING	3						
TAG LOCATION	SERVE	COOLING	HEATING	HUMIDIFIER	HUMIDIFIER	FLOWRATE	FLOWRATE	RATE	E.S.P.	T.S.P.		VOL-	T PH	HZ RP	M TYPE	CLASS	CONTROLLE	R DUAL	UPS	EFFICIENCY	CLEAN	DIRTY	EFFICIENCY	CLEAN	DIRTY	WEIGHT	WEIGHT	63 12	25 250	500 1000 2000	4000 8000 MANUFACTURE	R MODEL	STATU	JS REMARKS
		COIL	COIL			CFM	CFM	CFM	IN. WC.	IN. WC.	внр н	IP					TYPE	FEED	POWERED	MERV	IN. WC.	IN. WC.	MERV	IN. WC.	IN. WC.	LBS.	LBS.	HZ H	ız Hz	HZ HZ HZ	HZ HZ			
AHU-1 DUTSIDE WEST WING	WEST WING	CC-1	HC-1	H-1	CC-1	600	4,000	4,000	1.5	3.5	3.8	5 308	3	60 18	00 IND	PREM	VFD	NO	NO	8	65	1.00	11.00	0.65	1.00	2254	2534				TRANE	CSAA008	B NEW	NOTES 1-6
AHU-2 OUTSIDE EAST WING	EAST WING	CC-2	HC-2	H-2	CC-2	600	3,500	3,500	1.5	3.5	3.3	5 308	1	60 18	00 IND	PREM	VFD	NO	NO	8	0.65	1.00	11.00	0.65	1.00	2254	2534				TRANE	CSAA008	3 NEW	V NOTES 1-6
AHU-3 TELCOM RM 140	RM 140	NOTE 7	NOTE 7	-	-	-	-	-	-	-	-	- -	-		-	-	-	-	-	-	-	-	-	-	-						SAMSUNG	RNS09YE	T NEW	V NOTE 7
AHU-4 ELEC/UPS RM 125	RM 125	NOTE 7	NOTE 7	-	-	-	-	-	-	-	-	- -	- 1	- -	-	-	-	-	-	-	-	-	-	-	-						SAMSUNG	RNS09YB	T NEW	V NOTE 7

NOTES:

- 1. FAN TOTAL STATIC PRESSURE DROP SHALL BE BASED ON DIRTY FILTER RATING OF 1.0 IN.W.G.
- 2. PROVIDE LEFT HAND SIDE ACCESS DOORS AND RIGHT HAND SIDE COIL CONNECTIONS. COIL REMOVAL FROM THE RIGHT HAND SIDE.
- 3. PROVIDE PREMIUM HIGH EFFICIENCY DIRECT DRIVE FAN MOTOR COMPATIBLE WITH VFD
- 4. PROVIDE TWO SPARE SETS OF AIR FILTERS
- 5. VFD SHALL BE PROVIDED BY MECHANICAL CONTRACTOR AND SHALL COMPLY WITH SPECIFICATION 232923- VARIABLE FREQUENCY MOTOR CONTROLLERS
- 6. PROVIDE AIR HANDLING UNIT SECTIONS IN THE FOLLOWING ORDER: OA (BACK) AND RA (BOTTOM) MIXING SECTION, FILTER SECTION, HUMIDIFIER SECTION, ACCESS SECTION, COOLING COIL SECTION, VFD/CONTROL PANEL SECTION AND FRONT TOP DISCHARGE FAN SECTION
- 7. AHU-3 AND AHU-4 ARE THE FAN COIL SIDE OF TWO MINI SPLIT SYSTEMS. REFER TO SPLIT SYSTEM AIR COOLED CONDENSING UNIT SCHEDULE FOR ADDITIONAL REQUIREMENTS.

		AIR SE	EPAI	RATOR	SC	HEDU	LE				
			(CAPACITY		PHYSICAL S	SIZE				
			FLOW	CONNECTION			OPERATING				
TAG	LOCATION	SERVES	RATE	SIZES	HEIGHT	DIAMETER	WEIGHT	MANUFACTURER	MODEL	STATUS	REMARKS
			GPM	INCHES	INCHES	INCHES	LBS				
AS-1	EAST MER	HEATING HOT WATER SYSTEM	60	3	27	11	188	BELL & GOSSETT	R-3F	NEW	NOTES 1,2
	-										

NOTE

- 1. FIELD FABRICATE FLOOR STAND CAPABLE OF SUPPORTING THE AIR SEPARATOR AND ACCESSORIES.
- 2. AIR SEPARATOR AND CONNECTING PIPING SHALL BE BOTH SUPPORTED THRU MINIMIZE THE SHEAR STRESS AT THE CONNECTION LOCATION.
- 3. FLUID IS 30% PROPYLENE GLYCOL SOLUTION.

						AIR SIDE					WATER SID	E (30% F	PROPYLE	NE GLYC	OL SC	LUTION	۷)				
		CAPACITY	FLOW	PRESSURE		ENTERING	AIR TEMP	LEAVING .	AIR TEMP	FLOW	PRESSURE				NO.	NO.	FIN				
TAG	UNIT	TOTAL	RATE	DROP	VELOCITY	DB	WB	DB	WB	RATE	DROP	EWT	LWT	FLUID	OF	OF	DENSITY	MANUFACTURER	MODEL	STATUS	REMARKS
		МВН	CFM	IN W.C.	FT/MIN	DEG F	DEG F	DEG F	DEG F	GPM	FT	DEG F	DEG F		COIL	ROW	FPI				
HC-1	AHU-1	186	4,000	0.15	547	7		50		19.5	1.5	180	160	30% PG	1	1	9.8	AHU MANUFACTURER	5W	NEW	NOTES 1
HC-2	AHU-2	178	3,500	0.15	478	7		50		17	1.3	180	160	30% pg	1	1	9.8	AHU MANUFACTURER	5W	NEW	NOTES 1

NOTES

1. REFER TO AIR HANDLING UNIT DETAIL DRAWING FOR COIL PULL SIDE AND ACCESS.

2. .





SCALE: NONE	P.M.:			
DATE: MAY 18, 2022	CHECKED:			_
DRAWN: VS	SUBMITTED:			_
DESIGNED: SW	APPROVED:			_
RE	REVISIONS			
# DESCRIPTION		DATE	ВУ	
				Ι
				_

ION/ UPGRADE OF ION 2 (BLDG 1203) ISON WEST POINT, NY

SCHEDULES

HVAC

RENOVATION/ UPGR. FIRE STATION 2 (BI

> SHEET NUMBER:

M601