													A	AIR-C	OOLE	D CHIL	LER SCHE	DULE																		
DESIGNATION	LOCATION	SERVICE	CONFIGURATION	DESIGN	NOMINAL	COOLING	TOTAL	LEED (COOLING	LEED		REF	RIGERAT	TION SYSTI	EM DATA			WATERSIE	E DATA	Α				DIMENSIO	NS	OPERATING	3		EL'	ECTRICAL D	DATA		Ţ	MANUF. I	MODEL	REMARKS
				AMBIENT	COOLING	CAPACITY	POWER	EER	EER	IPLV.IP	REFRIG.	COMPR.	NO. OF	NO. OF	CAPACITY	NO. OF	FLUID	MAX FL	OW E.V	W.T. L.V	N.T. EVAP	STR.	HEIGH	r width	LENGTH	WEIGHT	VOLTS F	PH Hz		DISCO	NNECT		EMER.	1		
				TEMP.	CAPACITY	AT DESIGN	(KW)	(BTU /	(BTU /	(BTU /	TYPE	TYPE	COMPR.	. REFRIG.	CONTROL	. CONDENS.	TYPE	WORKING (GF	PM) ((M	(°F) (°	°F) W.P.D	W.P.D.	(IN)	(IN)	(IN)	(LBS)			BY E.C LC	OCATION	TYPE	ENCL.	PWR.			
				DB (°F)	(TONS)	CONDITIONS		W*H)	W*H)	W*H)				CKTS.		FANS		PRESSURE			(FT)	(FT)							OR							
						(TONS)												(PSIG)											MANUF.							
CH-AH-1	ROOF	CHILLED WATER FOR	OUTDOOR	05	160	135.1	165.05	10.373	9.885	17 000	D_//5//R	SCROLL	1	2	4-STAGE	Q	35% PROPYLENE	150 20	20 5	54 4	12 10.4	5.5	08	88	220	7,897	208	3 60	E.C. UN	INIT MTD.	NON-FUSED	NEMA 3D	NO	TDANE	۸۲۹	SEE NOTES
CII-AII- I	ROOF	ELEMENTARY SCHOOL	AIR-COOLED	35	100	133.1	103.03	10.573	3.003	17.009	IX-434D	JOROLL	"		4-51AGE		GLYCOL	130 23	טיפ טיפ	J4 4	10.4	3.5	90	00	223	1,091	200	3 30	L.G. 01	AIT WITE.	MOIN-I USED	INLIVIA 3N		INAME	ACS	BELOW

1. PROVIDE THE FOLLOWING MANUFACTURER FEATURES AND OPTIONS:

1.1. MICROPROCESSOR CONTROLS. 1.2. BACNET OR BACNET IP COMMUNICATIONS ACCESSORY, OPTION PROVIDED TO BE COORDINATED WITH BMS VENDOR DURING SUBMITTALS.

1.3. TRANE FACTORY SUPPLIED "SUPERIOR" NOISE REDUCTION PACKAGE, OR EQUIVALENT PERFORMANCE.

2. PROVIDE THE FOLLOWING FIELD ACCESSORIES: 2.1. TIE-IN TO EXISTING BASE-BUILDING BMS.

															PUN	IP SCH	HEDU	LE															
DESIGNATION	LOCATION	SERVICE	STAGING	FLOW			CONS	TUCTION	DATA			FLUID I	DATA			MOTOR	DATA				E	LECTRIC	CAL DATA	1				DIN	IENSIONS	WEIG	HT MANUFACTURE	RMODEL	REMARKS
				CONTROL	TYPE I	NLET	OUTLET	IMPELLER	PRESSURE	TEMP. FOR	FLUID TYPE	FLUID G	PM TD	DH NPSHR	EFF.	RPM BHP	MOTOR	VOLTS PH Hz		DISCON	NNECT			STA	ARTER		EMER.	LENGTH	WIDTH HE	GHT (LB:	S)		1
						SIZE	SIZE	DIA	RATING	PRESSURE		TEMP	(F	T) (FT)	AT		HP		BY E.C.	LOCATION	TYPE	ENCL.	BY M.C.,	LOCATION	TYPE	ENCL	. PWR.	OR	(IN)	IN)			1
						(IN)	(IN)	(IN)	(PSI)	RATING		(°F)			DESIGN				OR			TYPE	E.C., OR			TYPE	(Y/N)	DEPTH					1
										(°F)					(%)				MANUF.				MANUF.					(IN)					
I HWP-ΔH-1Δ	ELEMENTARY	ELEMENTARY SCHOOL	DUTY/	VARIABLE	N I INF		c	40.2	475	250	WATER	400 4	20 20	00 5.04	70.0	4 0 4 0 4 0 0	E	200 2 60	M C	AT CTARTER	NON FUCED	NIEMA 4	мс	DOU ED DOOM	VED WIO DVDAC	CNEMA	4 N	22	47 2	1.75 424	ADMETRONE	4200	
HWP-AH-1B	ROOM	BOILER PUMPS	STANDBY	FLOW	N-LINE	0	0	10.2	175	250	WATER	180 4	130 31	5.01	79.8	1,048 4.08	3	208 3 60	IVI.C.	AISIARIER	NON-FUSED	NEWAT	IVI.C.	BUILER ROUM	VFD W/O BYPASS	SINEWIA	I N	32	17 3	1.75 13 ⁴	ARMSTRONG	4380	
1) WP.AH.1A	ELEMENTARY	ELEMENTARY SCHOOL	DUTY/	VARIABLE .				5.0	475	252)4/4 TED	44440		45.0	0.4	0.054 0.00	40	000 0		AT 07 A DTED	NON EUGED			DOU 50 000M	VED 14/0 DVD 4 04	0 11514	4 N	44	47		454675046	4000	
DTWP-AH-1B	ROOM	DUAL TEMP LOOP	STANDBY	FLOW	N-LINE	3	3	5.0	175	250	WATER	44/140 3	300 70	70 15.2	81	3,354 6.90	10	208 3 60	M.C.	AISIARIER	NON-FUSED	NEMA 1	M.C.	BOILER ROOM	VFD W/O BYPAS	SINEMA	1 N	14	1/	27 13 [,]	ARMSTRONG	4380	
GIWP-AH-1A	ELEMENTARY	ELEMENTARY SCHOOL	DUTY/	CONSTANT		_	_				35% PROPYLENE															_							
GLWP-AH-1B S	KCHOOL KOILER I	CHILLER GLYCOL LOOF	1		N-LINE	3	3	5.0	175	250	GLYCOL	42 3	330 70	70 16.9	82	3,346 7.20	10	208 3 60	M.C.	AT STARTER	NON-FUSED	NEMA 1	M.C.	BOILER ROOM	VFD W/O BYPAS	SINEMA	1 N	14	17	27 13 [,]	ARMSTRONG	4380	

															PA	CKAGE	ED RO	OFTO	P UNIT	SCH	EDULE	(PART	1 OF	2)																	
DESIGNATION	LOCATION	AREA SERVE	D NOMINAL	DU	ICT					SUPPI	LY FAN DAT	A									DUC	T-MOUNTER	POWER EX	(HAUST FAN											DX COOLING I	ΔΤΑ					
			COOLING	CONNE	CTIONS	SUPPLY	MIN.	MIN.	ESP N	O. NO.	HP	ВНР	FAN	DRIVE	STARTER STARTER	SPEED	EXHAUS	T ESP	MOTOR			ELEC	TRICAL DA	TA			MANUFACTURER	MODEL	REFRIG.	HIGH LO	OW EE	R IEER	DESIGN	NO. OF NO	OF CAPACIT	NO. OF GRO	SS GROSS	NET NET	ſ E.A.T. F	A.T. COIL (COIL UNIT UNIT
			CAPACITY	SUPPLY	RETURN	AIRFLOW	OUTSIDE	OUTSIDE	(IN W.C.))F OF	(PER	(PER	YPE	TYPE	TYPE LOCATION	CONTROL	AIRFLOV	N (IN W.C.)	HP VO	LTS PH	Hz FLA D	ISCONNECT				EMER.			TYPE	AMBIENT AMB	IENT AT	TA	AMBIEN	T COMPR. REF	RIG. CONTRO	_ COND. TC	T. SENS.	TOT. SENS	S. DB	WB L.A.T. L	L.A.T. L.A.T. L.A.T.
			(TONS)			(CFM)	AIRFLOW	AIRFLOW	FA	NS MOTORS	S MOTOR)	MOTOR)					(CFM)					BY E.C.	LOCATIO	N TYPE	ENCL.	PWR.			1	LIMIT FOR LIMI	FOR AH	RI AHRI	I TEMP	P. СК1	rs.	FANS MF	⊬ МВН /	MBH MBF	H (∘F)	(°F) DB	WB DB WB
							WITH DCV	WITH DCV														OR			TYPE	(Y/N)				COOLING COC	LING CON	D. COND	D. DB (°F)				.		(°F)	(°F) (°F) (°F)
							DISABLED (CFM)	ENABLED (CFM)	je													MANUF.								DB (°F) DB	(°F)							.			
RTU-AH-1	ROOF	GYMNASIUM	VI 17.5	HORIZONTAL	HORIZONTA	AL 6,000	1,720	N/A	1.50	2 2	3	3.328 BC F	PLENUM	DIRECT	VFD UNIT MTD.	SZ-VAV	5,000	0.3	1 2	208 3	60.00 1.70	E.C.	UNIT MTD	NON-FUSED	NEMA 3R	N	PLENUMS INC.	PE2010F	R-410A	95	0 12.	2 21.2	95	2 1	3-STAGF	. 2 21	3 152	204 143	80 د	67 56	55 58 56
RTU-AH-2	ROOF	AUDITORIUI	M 25	HORIZONTAL	HORIZONTA	AL 9,550	3,885	780	1.50	2 2	4.6	6.208 BC F	PLENUM	DIRECT	VFD UNIT MTD.	SZ-VAV	5,000	0.3	1 2	208 3	60.00 1.70	E.C.	UNIT MTD	. NON-FUSED	NEMA 3R	N	PLENUMS INC.	PE2010F	R-410A	95	0 11.	0 20.5	95	2 1	3-STAGF	. 2 27	9 203	266 190	80 ر	67 59	57 61 58
RTU-AH-3	ROOF	CAFETERIA	15	HORIZONTAL	HORIZONTA	AL 5,100	2,025	515	1.50	2 2	3	2.638 BC F	LENUM	DIRECT	VFD UNIT MTD.	SZ-VAV	4,000	0.3	0.75 2	208 3	60.00 1.50	E.C.	UNIT MTD	NON-FUSED	NEMA 3R	N	PLENUMS INC.	PE1811F	R-410A	95	0 12.	7 24.8	95	1 1	1 3-STAGE	2 18	132	176 126	80 ز	67 56	55 57 56

DESIGNATION	LOCATION	AREA SERVED						ELECTRI	CAL DATA (F	RTU)			FIL	TERS	l l	BASE	OPER.	MANUFACTURER	MODEL	REMARKS
			VOLTS	PH	Hz	MCA	МОР		DISCO	ONNECT		EMER.	PRE-	MAIN	DIMEN	SIONS (IN)	WEIGHT			
								BY E.C	LOCATION	TYPE	ENCL.	PWR.	FILTER	FILTER	WIDTH	LENGTH	OF UNIT			
								OR			TYPE	(Y/N)				OR DEPTH	AND ROOF			
								MANUF.									CURB			
																	(LBS)			
RTU-AH-1	ROOF	GYMNASIUM	208	3	60	100	125	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	N	2" MERV-8	4" MERV-13	123	87	2206	TRANE	TZJ210A	SEE NOTES BELOV
RTU-AH-2	ROOF	AUDITORIUM	208	3	60	120	150	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	N	2" MERV-8	4" MERV-13	123	87	2214	TRANE	TZJ300A	SEE NOTES BELOV
RTU-AH-3	ROOF	CAFETERIA	208	3	60	90	125	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	N	2" MERV-8	4" MERV-13	123	87	2,106	TRANE	TZJ180A	SEE NOTES BELOV
NOTES:																				
1. PROVIDE THE	FOLLOWIN	NG FACTORY SU	IPPLIED) FEA	ATUF	RES A	ND OF	TIONS FO	OR EACH UN	IT:										
1.1. UNIT (INC	CLUDING AC	CCESS DOORS)	SHALL I	BEC	ONS	TRUC	CTED	O WITHS	TAND WIND	SPEED OF 13	0 MPH IN A	CCORD	ANCE WITH	I STANDARD	ASCE 7	•				
1.2. DIGITAL	PROGRAM	MABLE CONTRO	LLER V	VITH	BAC	CNET	COM	IUNICATI	ONS INTERF	ACE FOR BM	S TIE-IN.									
1.3. DUAL EN	THALPY AIF	RSIDE ECONOM	IZER WI	TH F	ULL	OM Y.	DULA	TING OUT	SIDE AIR / R	RETURN AIR D	AMPERS.									
1.4. HINGED	ACCESS DO	ORS.																		
1.5. 2" FIXED	DEFLECTIO	N VIBRATION IS	SOLATIO	ON R	ROOF	F CUR	B, MI	NIMUM 20	" HIGH INCL	UDING VIBRA	TION ISOL	ATION.	RAILS AND	CLIPS, CONS	STRUCT	ED				
AND INS	TALLED TO	WITHSTAND A V	VIND SF	PEED	OF	130 M	IPH IN	ACCORD	ANCE STAN	DARD ASCE 7										
1.6. AIR INTA	KE WEATHE	ER HOOD WITH E	BIRDSC	REE	N TO	FAC	ILITAT	E AIRFLO	OW MEASUR	ING STATION	BY CONTE	ROLS VE	ENDOR.							
1.7. EXHAUS	T WEATHER	HOOD WITH BIF	RDSCRE	EN.																
1.8. HOT GAS	REHEAT																			

1.9. POWER EXHAUST FAN WITH INTEGRAL DUCT CONNECTION FLANGE, STARTER, DISCONNECT, GRAVITY BACKDRAFT DAMPER, RAIN HOOD, AND BIRDSCREEN. FAN SHALL BE DUCT-MOUNTED, FACTORY-FURNISHED,

PACKAGED ROOFTOP UNIT SCHEDULE (PART 2 OF 2)

ESIGNATION	MOUNTING	MOUNTING	LOCATION	HEATING	AIRFLOW		EL	ECTRI	CAL DATA		FINISH	T-STAT			DIMEN	ISIONS			WEIGHT	MANUF.	MODEL	REMARKS
	TYPE	LOCATION		CAPACITY	(CFM)	WATTS	VOLTS	PH H	Z DISC. BY E.C.	EMER.	COLOR	TYPE	E	BACK BC	X		GRILLE		(LBS)			
	(SURFACE/	(WALL/		(BTU/H)					OR MANUF.	PWR.		(REMOTE/	HEIGHT	WIDTH	DEPTH	HEIGHT	WIDTH	DEPTH				
	RECESSED)	CEILING)										BUILT-IN)	(IN)	(IN)	OR	(IN)	(IN)	OR				
															LENGTH			LENGTH				
										(Y/N)					(IN)			(IN)				
CUH-A	SURFACE	WALL	RE: PLAN	5,100	65	1,500	120	1 6	MANUF.	N	WHITE	BUILT-IN	11	9	4	12	11	1	12	Q-MARK	CWH1151DSAF	SEE NOTES BELO
OTES:	•					•			•	'		•	•			•	•	•	•	•		
PROVIDE THE	FOLLOWING	MANUFACT	URFR FFAT	URES AND	OPTIONS F	OR ALL L	JNITS:															

1.3. THERMAL CUTOFF.

- 1.2. BUILT-IN POWER ON/OFF SWITCH.

2. ALL FINISH COLORS ARE SUBJECT TO APPROVAL BY THE ARCHITECT. SUBMIT COLOR CHART FOR REVIEW.

3. FOR ALL "WALL MOUNTED" UNITS, MOUNTING HEIGHT SHALL BE AS PER ARCHITECTURAL DRAWINGS. IF NO MOUNTING HEIGHT IS INDICATED ON ARCHITECTURAL DRAWINGS, MOUNT BOTTOM AT 12" AFF.

4. REFER TO PLANS FOR QUANTITIES AND LOCATIONS. SOME LETTER DESIGNATIONS IN THIS SCHEDULE MAY NOT BE APPLICABLE TO THIS SPECIFIC PROJECT.

FIELD-INSTALLED INCLUDING INTERCONNECTION CONTROL WIRING, WITH SEPARATE POWER FEED.

EQUIPMENT NOTES

SHALL BE ARMSTRONG MODEL GLA-U-HP-2, WITH 53 GALLON TANK CAPACITY, ADJUSTABLE 2-90 PSI FILL PRESSURE, 150 PSI MAXIMUM WORKING PRESSURE, DUAL 3/4 HP PUMPS (1 DUTY, 1 STANDBY) WITH CHANGE OVER UPON PUMP TRIP, 120V/1\(\phi\)/60 Hz ELECTRICAL CONNECTION. PROVIDE THE

- FOLLOWING FEATURES & OPTIONS:
- LOW LEVEL CUT-OUT FLOAT SWITCH. PUMP SUCTION ISOLATION VALVE.
- PUMP SUCTION STRAINER. POWER ON LAMP.
- SYSTEM PRESSURE GAUGE.
- AUTO MIX VALVE.
- PUMP DISCHARGE ISOLATION VALVE.
- HIGH LEVEL WARNING FLOAT SWITCH. LOW LEVEL WARNING FLOAT SWITCH.
- CONTACTS FOR REMOTE ANNUNCIATION OF HIGH LEVEL, LOW LEVEL, & PUMP RUN.
- AUTO ALTERNATING PUMP CONTROLLER.
- PUMP H-O-A SWITCHES.
- STARTER & DISCONNECT SWITCH FOR EACH PUMP, TO BE FURNISHED BY MECHANICAL CONTRACTOR & INSTALLED BY ELECTRICAL CONTRACTOR.

LOUVERS - FOR UNIT VENTILATORS AND FAN COIL UNITS:

INTAKE AND EXHAUST LOUVERS SHALL BE GREENHECK MODEL ESD-202 OR APPROVED EQUAL, STATIONARY DRAINABLE BLADE TYPE. FRAME SHALL BE EXTRUDED 6063-T5 ALUMINUM, 2 INCH DEEP X 0.063 INCH THICK. BLADES SHALL BE EXTRUDED 6063-T5 ALUMINUM, 0.063 INCH THICK, POSITIONED AT 45 DEGREE ANGLE ON APPROXIMATELY 3 INCH CENTERS. BIRDSCREEN SHALL BE 3/4 INCH X 0.051 INCH FLATTENED ALUMINUM. MINIMUM SIZE SHALL BE 6" WIDE BY 6" HIGH. MAXIMUM SIZE FOR A SINGE SECTION SHALL BE 120" WIDE X 120" HIGH, WITH MULTIPLE SECTIONS PROVIDED WHERE LARGER DIMENSIONS ARE INDICATED ON THE DRAWINGS. FINISH SHALL BE MILL. FINISH COLOR SHALL BE INTEGRAL COLOR ANODIZED, WITH COLOR CHART SUBMITTED TO THE ARCHITECT FOR COLOR SELECTION PRIOR TO FABRICATION. FOR LOUVER TEST SECTION SIZE 48" WIDE X 48" HIGH, NET FREE AREA SHALL BE AT LEAST 38% OF GROSS AREA, POINT OF WATER PENETRATION SHALL BE AT LEAST 1,058 FEET PER MINUTE THROUGH THE NET FREE AREA PER AMCA TEST PROCEDURE, AND STATIC PRESSURE DROP SHALL NOT TO EXCEED 0.10 INCHES OF WATER COLUMN AT AN AIR VELOCITY OF 825 FEET PER MINUTE THROUGH THE NET FREE AREA. LOUVERS SHALL BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR - REFER TO SPEC SECTION 089000 FOR ADDITIONAL INFORMATION AND INSTALLATION INSTRUCTIONS.

EASTCHESTER **UNION FREE** SCHOOL DISTRICT

2022 CAPITAL PROJECT

PHASE 4 ANNE HUTCHINSON **ELEMENTARY SCHOOL**

 $M \equiv M \wedge SI$ WHITE PLAINS, NY 10601

SITE - CIVIL CONSULTANT BOHLER ENGINEERING 2929 EXPRESS DRIVE NORTH, SUITE 120 HAUPPAUGE, NY 11762

914.915.9519

MEMASIDESIGN.COM

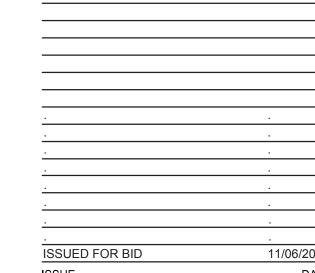
STRUCTURAL CONSULTANT REILLY TARANTINO ENGINEERING 100 PARK BLVD, SUITE 209 MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT STANTEC

STAMFORD, CT 06905 HAZARDOUS MATERIALS CONSULTANT

WSP ONE PENN PLAZA 250 W 34TH ST., 4TH FLOOR NEW YORK, NY 10014

30 OAK STREET, SUITE 400



PROJECT NO. 66-03-01-03-0-001-024 MEMASI PROJECT NO.

MECHANICAL

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