				A	IRFLO	w cc	NDITIC	ONS	S	UP
MARK	SERVICE	LOCATION	MODEL No.	O.A. CFM	E.A. CFM	R.A. CFM	S.A.ESP. IN. WC	R.A.ESP. IN. WC	TYPE	С
RTU 1	GYMNASIUM	ROOF	ERP-E-07-EW02-C-H-AZ	1700	1700	6300	1.5	1.0	PLENUM	80
RTU 2	MEDIA CENTER	ROOF	ZVTO7S18V2TCE4SFA7 Ø	950	950	1850	1.0	1.0	PLENUM	28
RTU 3	MUSIC 20	ROOF	ZWTA5COOV2TCA43FA8 Ø	530	530	1470	1.0	1.0	PLENUM	20
RTU 4	CAFETERIA 54	ROOF	CV15CODQ2S1CCT14E1 Ø	2000	2000	3000	1.5	1.0	PLENUM	50
RTU 5	GRAY BOX	ROOF	ERP-E-07-EW03-C-H-AZ	1700	1700	6300	1.5	1.0	PLENUM	80

N 1A AS MANUFACTURED BY "TEMPMASTER". B AS MANUFACTURED BY "ANNEXAIR". (KLIMA NEW YOF 2) FROST CONTROL BY V.F.D.

 ξ $\bar{3}$ design air condition: summer 0.A. (95%/75%) R.A. (75%/63%); Winter 0.A. (0%/0%) R.A. (70%/53%). INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S SUPERVISION FOR FIELD INSTALLATION AND START-UP.

														SC	CHE	DU	ĽΕ	0	F ROOFTOP ENERG	Y REO	COVERY UNITS									
		GENERAL	DATA		SU	JPPLY I	FAN DATA		RETL	JRN-EX	XHAUST F.	AN	HEA	T TR	RANSFI	ER W	IHEEL		COOLING COIL DATA \Im		HEATING COIL DATA 🛛		ELECTRI	CAL DATA	<u> </u>	RU D	IMENSIC	ON & WTS.	FILTERS	REMARKS
MARK	SERVICE	LOCATION	AIR CFM MIN/MAX	No.	CFM	EXT. S.P. IN WG	TYPE	MOTOR HP	CFM	EXT. S.P. IN WG	TYPE	MOTOR HP	SUN LA DB F	AMER AT WB F	WII L. DB F	NTER AT WB °F	MOTOR H.	!.P.		MARK		МСА	мосн	B ELECTRIC	<u>C</u>	W	Н	WTS-#		
$\left(\begin{array}{c} ERU\\ 1 \end{array} \right)$	1951 CLSRMS NORTHEAST	ROOF	3000	U-ERV-3000	3000	1.5	CENTRIFUGAL	-	3000	1.5	CENTRIFUGAL	-	82.6	71.6	37.7	26.7	1/4	T	PROVIDE SPACE WITHIN UNIT FOR FUTURE D/X COOLING COIL. INCLUDE ACCESS SECTION	HWC 1-1	REFER TO SCHEDULE OF DUCT MOUNTED HOT WATER COILS	29.1	1 40	208/1/60	, 56	60	46	600	MERV 13	REFER TO 456
ERU 2	1951 CLSRMS NORTHEAST	ROOF	2900	U-ERV-3000	2900	1.5		-	2900	1.5		-								HWC 1-2		29.1	1 40		56	60	46	600		REFER TO 456
ERU 3	1951 CLSRMS SOUTHWEST	ROOF	2500	U-ERV-2400	2500	1.5		-	2500	1.5		-								HWC 1-3		22.8	3 35		56	48	46	500		REFER TO 456
ERU 3 ERU 4	1951 CLSRMS SOUTHWEST	ROOF	2000	U-ERV-1800	2000	1.5		-	2000	1.5		-								HWC 1-4		15.4	25		56	36	46	500		REFER TO 456
ERU 5	1951 CLSRMS SOUTH	ROOF	1000	U-ERV-1200	1000	1.5		-	1000	1.5		-								HWC 1-5		19.2	25		56	24	46	500		REFER TO 456
ERU 5 ERU 6 ERU 7	MAIN OFFICE	ROOF	200	U-ERV-600	200	0.75		-	200	0.75		-							_	-	-	10.6	15		56	12	46	400		REFER TO 45
ERU 7	MAKER SPACE	ROOF	380	U-ERV-600	380	0.75		-	380	0.75		-							_	-	-	10.6	15		56	12	46	400		REFER TO 45
ERU 8	TOILET ROOMS T—7, 8, 9, 14, 22C	ROOF	630	U-ERV-1200	630	0.75		-	700	0.75		-							_	HWC 1-9	REFER TO SCHEDULE OF DUCT MOUNTED HOT WATER COILS	19.2	25		56	24	46	500		REFER TO 45
ERU 9	NURSE & OFFICES	ROOF	180	U-ERV-600	180	0.75		-	180	0.75		-							_	-	-	10.6	15		56	12	46	400		REFER TO 45
ERU 9 ERU 10	TOILET ROOMS T-1, T-2	ROOF	420	U-ERV-600	420	0.75		-	450	0.75		-							_	HWC 1-10	REFER TO SCHEDULE OF DUCT MOUNTED HOT WATER COILS	10.6	15		56	12	46	400		REFER TO 45
ERU 11	TOILET ROOMS T-5, T-6	ROOF	420	U-ERV-600	420	0.75	V	-	450	0.75	V	-	V	•		V			_	HWC 1-11	REFER TO SCHEDULE OF DUCT MOUNTED HOT WATER COILS	10.6	15		56	12	46	400		REFER TO 45
 N (7) AS MANUFACTURE	D BY "FNFF	RGY WALL"	(KLIMA	NEW YOF	RK, LLC 2	212 678-5100))											TEGRAL VFD FOR SUPPLY AND RETURN FAN											

 $\left(\begin{array}{c} 0\\ T\end{array} \right) \left(\begin{array}{c} \end{array} \right)$ WINTER L.A.T. IS BASED ON FROST CONTROL.

(4) INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

										~ ~ ~		-													
	S	CHEDUL	E OF	REGIS	TERS	AND	DIFFU	SERS				SCH	IEDU	LE	OF	DUC	I MC	JUNI	ED HO) I Wi	A/E	RC	OILS		
MARK	TYPE	SERVICE	MODEL No. ()	DIRECTION DISCHARGE	DAMPER TYPF	FINISH	TYPE	REMARKS		GENERAL	DATA			SIZE				A	IR SIDE				WATER	SIDE	
	CEILING		1		OPPOSED		SURFACE		MARK	SERVICE	LOCATION	WIDTH (IN.)	HEIGHT INCHES	FACE ARE. (FT²)	ROWS	FINS PER INCH	CFM	MBH	PRESS DROP ("WC)	VELOCITY FPM	E.A.T. °F	L.A.T. °F	FLOW RATE (GPM)	PRESS DROP ∆ HEAD (FT	5 REMARKS)
(A)	DIFFUSER	SUPPLY	620	DOUBLE DEFLECTION	BLADE	PER ARCH.		REFER TO 234	HWC	1951 CLSRMS NORTHEAST	CEILING	-	-	20	2 MINIMUM	VARIABLE	3000	272	0.2" MAX	500	6	90	28.0	5 FT. MAX	REFER TO 003
B	CEILING REGISTER	EXHAUST	635	-	OPPOSED BLADE	PER ARCH.	SURFACE	REFER TO 235	HWC V-2	1951 CLSRMS NORTHEAST	CEILING	_	_	20	2 MINIMUM	VARIABLE	2750	250	0.2" MAX	500	6	90	25.0	5 FT. MAX	REFER TO OOO
\bigcirc	CEILING DIFFUSER	SUPPLY	SCD	4-WAY	OPPOSED BLADE	PER ARCH.	LAY—IN	REFER TO 234	HWC 1-3	1951 CLSRMS SOUTHWEST	CEILING	_	_	20	2 MINIMUM	VARIABLE	2500	227	0.2" MAX	500	6	90	23.0	5 FT. MAX	REFER TO OOO
\square	DUCT SUPPLY REGISTER	SUPPLY	SDG ST	DOUBLE DEFLECTION	OPPOSED BLADE	PER ARCH.	SURFACE	REFER TO 234	HWC 1-4	1951 CLSRMS SOUTHWEST	CEILING	_	_	20	2	VARIABLE	2000	182	0.2" MAX	500	6	90	19.0	5 FT. MAX	REFER TO OOO
Ē	CEILING GRILLE	EXHAUST	635	-	OPPOSED BLADE	PER ARCH.	SURFACE	REFER TO 235	(1-4) (HWC) (1-5)	1951 CLSRMS	CEILING	_		20	MINIMUM 2	VARIABLE	2000	182	0.2" MAX	500	6	90	19.0	5 FT. MAX	REFER TO 000
(F)	CEILING GRILLE	EXHAUST	635	-	OPPOSED BLADE	PER ARCH.	LAY—IN	REFER TO 235	1-5 HWC 1-6	SOUTH GYMNASIUM	STORAGE ROOM				MINIMUM 2	VARIABLE	8000	337			5 1			5 FT. MAX	+
G	CEILING DIFFUSER	SUPPLY	SCD	2-WAY	OPPOSED BLADE	PER ARCH.	LAY—IN	REFER TO 234	1-6 HWC 1-7	GRAY BOX				20	MINIMUM 2				0.2" MAX	500	57	90	34.0		REFER TO 000
\square	CEILING	TRANSFER	635	_	OPPOSED BLADE	PER ARCH.	SURFACE	REFER TO 235	1-7	MUSIC	CEILING	_	_	20	MINIMUM 2	VARIABLE	8000	337	0.2" MAX	500	51	90	34.0	5 FT. MAX	REFER TO OOO
	GRILLE CEILING	SUPPLY		7 14/4/2	OPPOSED BLADE	PER ARCH.	LAY-IN	REFER TO 234		20	CEILING	-	-	20	MINIMUM	VARIABLE	2000	91	0.2" MAX	500	48	90	10.0	5 FT. MAX	
	DIFFUSER		SCD	3-WAY	BLADE	PER ARCH.			HWC 1-9		CEILING	-	-	20	MINIMUM	VARIABLE	630	58	0.2" MAX	500	6	90	6.0	5 FT. MAX	REFER TO OOO
	EXISTING RE	EGISTER/GRILLE							HWC 1-10	TOILET ROOMS T-1, T-2	CEILING	-	-	20	2 MINIMUM	VARIABLE	420	38	0.2" MAX	500	6	90	4.0	5 FT. MAX	REFER TO OOO
									HWC 1-11	TOILET ROOMS T-5, T-6	CEILING	-	-	20	2 MINIMUM	VARIABLE	420	38	0.2" MAX	500	6	90	4.0	5 FT. MAX	REFER TO 🕧 🖉 🗿
	S MANUFACTURED								HWC 1-12	CAFETERIA 54	CEILING	-	-	20	2 MINIMUM	VARIABLE	5000	276	0.2" MAX	500	39	90	28.0	5 FT. MAX	REFER TO OOO
		BT PRICE . ACTURER'S RECOMM	IENDATIONS.																						
E 3 PROVIDE MOUNTING FRAME COMPATIBLE W/ MOUNTING										3 THE HOT WATER COIL IS SIZED TO HANDLE OUTDOOR AIR QUANTITIES AT 100															
S 51	S SURFACE. COORDINATE ALL BORDER TYPES, COLORS, FINISHES AND DIMENSIONS WITH ARCHITECT. 50 100 300 500 800 1200 1500 50 150 250 400 600 800 1200 150 100 100 100 100 1200 1500 50 150 250 400 600 800 1100 1200 TO										200 TO TO TO NOT O ENTERING WATER TEMPERATURE 180°F, 20°F ΔT. TO TO TO TO TO TO TO TO TO TO TO TO TO														
								x10 12X12 14X14 16X16 18X18 24X24																	

	6	SENERAL	DATA		CAF	PACITY		PHYSIC	AL DATA		ELECTRICA	AL DATA		1	GENERAL D	ATA	CAPACITY		PHYSICA	L DATA		ELECTR	RICAL SUP	PPLY	
РК	SER	VICE	MODEL No. 🕧	MOUNTING LOCATION	COOLING (MBH)	CFM	UNIT WEIGHT (POUNDS	5) L	D	Н	SERVICE	МСА	REMARKS	MARK	SERVICE	MODEL () No.	COOLING (MBH)	UNIT WEIGHT (POUNDS)	L	D	Н	SERVICE	МСА	EER	REMARKS
Ð	DA	TA	LSN120HSV5	HIGH WALL	14.0	459	44	30	8	12	208/1/60	1.0	REFER TO 234567		DATA	LSU120HSV5	14.0	150	30"	14"	21"	208/1/60	10.0	12.5	REFER TO 23456
DATA LSN120HSV5 HIGH WALL 14.0 459 44 30 8 12 208/1/60 1.0 REFER TO OOOC Image: Comparison of the state of the st												N() 0(2) E(3)	AS MANUFAC REFRIGERANT INSTALL ACCC	URED BY "LG". (P R—410A. RDING TO MANUFAC TO ROOF MOUNTED DNDENSING UNIT PA	TURER'S INSTRUC	CTIONS.		6 7	UNIT SHAL NETWORK PROVIDE U ROOF CURL AMBIENT C	L BE CONTROLLE CONTROLLER TO NIT WITH SNOW/N B EQUIPMENT SU ONTROLS. EXTENI	D VIA MANU INDOOR HAF WIND GUARD PPORTS, VIE D CONTROL	IFACTURER'S RDWIRED CON AT FAN INT. BRATION ISOL WIRING FROM	DDC ITROLLER. AKE. DISCONNECT SWITCH, ATION PADS AND LOW 1 OUTDOOR UNIT TO INDC		

					SC	ΉE	DL	JLE		OF	. /	PA	CKAC	GED	ROOF7	OP UN	ITS	(WITH EN	IEF
Ľ	IPPL	Υ <i>ΓΑ</i> Λ	/	EXH	IAUST					THAL				GAS F	HEATING DAT	4	CONL	DENSING UNIT DAT	A
Ι	CFM	T.S.P. IN. W.C.	HP	TYPE	CFM	T.S.P. IN. W.C.	HP	L.A.T.S DB°F	UMMER WB°F	L.A.T.V DB°F	WINTER WB°F	HP 2	INPUT MBH	OUTPUT MBH	ENT. AIR TEMP. DB °F	LVG. AIR TEMP. DB °F	REFRIG.	ENT. AIR TEMP. DB °F	
′	8000	4.36	10.0	PLENUM	8000	2.98	7.5	79.6	66.8	47.6	40.3	1/4	_	-	_	-	R410	92	
/	2800	1.5	3.0	PLENUM	2800	1.0	3.0	79.3	67.2	55.1	43.3	1/4	180	144	42	90			
/	2000	1.5	2.0	PLENUM	2000	1.0	2.0	79.3	67.2	55.1	43.3	1/4	-	-	-	-			
/	5000	1.5		PLENUM	5000	1.0		79.3	67.2	55.1	43.3	1/4	-	-	-	-			
/	8000	4.36	10	PLENUM	8000	2.98	7.5	79.9	67.0	47.7	40.2	1/4	_	_	_	-		•	
I																			
	YORK,	PRK, LLC 212 678–5100) (5) PROVIDE ROOFTOP UNIT WITH STAGED COOLING, ENAMELED FINISH (COLOR TO BE DETERMINED BY ARCHITECT), MOTORIZED CONTROL DAMPERS, DAMPER END SWITCHES, 100% ENTHALPY ECONOMIZER CONTROLS, FROST PROTECTION, HOT GAS BY-PASS, ENERGY RECOVERY WHEEL, DIRTY FILTER CONTACTS, BLOWER SHEAVE AND BELT																	

FOR SELECTED STATIC USE, DISCONNECT SWITCH, VFD'S, POWERED CONVENIENCE OUTLET, PHASE MONITOR, 4" THICK MERV 13 PLEATED FILTERS (AS NOTED), STAINLESS STEEL GAS FIRED HEATING SECTION (AS NOTED), STAINLESS STEEL DRAIN PAN, HINGED ACCESS PANELS, GAS PIPING KIT WITH VALVES AND FITTINGS FOR BOTTOM CONNECTION AND BACNET COMPARABLE AUTOMATED CONTROLS (AS NOTED). PROVIDE FIELD INSTALLED FULL ECONOMIZER/POWER EXHAUST (POWER EXHAUST FOR RTU-1, RTU-2 & RTU-5. RTU-3 & RTU-4 SHALL HAVE BAROMETRIC RELIEF ONLY), INTAKE AND EXHAUST HOODS AND DUAL ENTHALPY HUMIDITY SENSORS.

PROJECT COMPLETION.

6 INSTALL ERU ON STEEL DUNNAGE PLATFORM.

5 3 DESIGN AIR CONDITION: SUMMER O.A. (95°F/75°F) R.A. (75°F/63°F); WINTER O.A. (0°F/0°F).

-	RG	RGY RECOVERY)																		
	DX	<i>C00</i>	DLING	COIL	DATA	HOT WAT					FILTERS	EL	ECTRI	CAL DA	TA	DIN	IENSIC	NS		
	CAP/ TOTAL, ME	/SEN.		ſE.A.T. °F DB∕WB		CAPACITY TOTAL MBH	VELOCITY F.P.M.	E.A.T. *F DB/WB	L.A.T. °F DB/WB	GPM	INTAKE RETURN	VOLT	AGE	МСА	МОСР	L	W	Н	WEIGHT LBS	REMARKS
	235	182	500	76.0 63.9	55 54	SEE HWC	-	_	-	-	MERV 13	208/	′3/60	144.6	175	301	93	86	9,500	REFER TO 39660390
	90	67	500	82.1 75.1	52 52	_	-	-	-	-	MERV 13			69.8	80	120	60	52	1,700	REFER TO
	60	45	500	82.1 75.1	52 52	SEE HWC	-	-	-	-	MERV 13			48.0	60	90	60	42	1,000	REFER TO
	180	133	500	82.1 75.1	52 52	_	-	_	-	-	MERV 13			107.6	125	130	89	50	2,300	REFER TO
	254	190	500	76.9 64.6	55 54	SEE HWC	-	_	-	-	MERV 13			144.6	175	301	93	86	9,500	REFER TO 00000000

6 PROVIDE POWERED 120 VOLT GFI SERVICE RECEPTACLE.

(7) INSTALL RTU ON STEEL DUNNAGE SUPPORT. B DUCT MOUNTED HOT WATER HEATING COIL.

(9) CONDENSING UNIT ATTACHED TO UNIT BASE RAIL.

(10) REFRIGERANT R-410A.

PROVIDE FROST CONTROL FOR ENERGY RECOVERY EXCHANGER. PROVIDE PRE-FILTER/FINAL FILTERS COMBINATION FOR OUTSIDE AIR INTAKES AND PRE-FILTER FOR RETURN AIR PRIOR TO HEAT EXCHANGER. PROVIDE FILTER REPLACEMENT AT

