	SCHEDULE OF PACKAGED DEDICATED OUTDOOR HEAT PUMP VENTILATION AIR UNITS (WITH HEAT RECOVERY) AIRFLOW CONDITIONS SUPPLY FAN EXHAUST FAN HEAT EXCHANGER DX COOLING COIL DATA HEATING COIL DATA FILTERS ELECTRICAL DATA DIMENSIONS (BASE) MEICHT																																
14404		LOCATION	11005i N		AIRFL	OW CON	DITIONS	S SU	JPPLY	FAN	EXHA	NUST FAI	N	HEA1	EXCH	4NGER			DX (COOLIN	G CO	IL DATA			HEATING COIL DATA	FILTERS	S ELECTR	ICAL DATA	4	DIMENSIONS (BA	SE) WEIGHT	550	REMARKS
MARK	SERVICE	LUCATION	MODEL No.	O. CF	A. E.A. M CFM	R.A. S. CFM IN	4. <i>ESP. R.A.E</i> . <i>WC IN</i> .	ESP. TYP WC	'E CFI	M HP	TYPE	CFM H	HP S	SUMMER L.A. B *F WE	.T. D	WINTER L	.A.T. WB *F	E.A.7 DB °F	. °F WB °F	L.A.T. °F DB °F	- B *F	SENSIBLE MBH	TOTAL MBH	MARK		INTAKE RETURN	V/PH	MCA	МОСР	L W	, LBS	EER	KEWAKKS
ERU 1	NEW ADDITION	ROOF	ERP-E-03-EP-C-HR-SS-AST25	32	00 320	3200	1.25 1.0	00 CEN	TR. 320	00 7.0	CENTR.	3200 5	5.0	31 7	1.5	52.7	41.5	82.9	68.3	58.4 5.	7.8	99.0	162.0	HWC 1-1	REFER TO SCHEDULE OF DUCT MOUNTED HOT WATER COILS	MERV 1.	3 480/3/6	69.0	80.0	284 78 8	4 2200	13.5	REFER TO 2345678910

N (1) AS MANUFACTURED BY "ANNEXAIR.". (KLIMA, NEW YORK LLC 212 678-5100)

Q Q WINTER L.A.T. IS BASED ON FROST CONTROL BY VFD.

E 3 DESIGN AIR CONDITION: SUMMER O.A. (95°F/75°F) R.A. (75°F/63°F); WINTER O.A. (0°F/0°F) R.A. (70°F/53°F).

ROOF

 ${\color{red} {\cal O}}$ INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

EER 12.4/SEER 25.9/HSPF10.3.

N (1) AS MANUFACTURED BY "LG."

S (4) INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

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 HEAT EXCHANGER, DIRTY FILTER CONTACTS, BLOWER SHEAVE AND BELT FOR SELECTED STATIC USE, DISCONNECT SWITCH, VFD'S, PHASE MONITOR, 4" THICK MERV 13 PLEATED FILTERS (AS NOTED), STAINLESS STEEL DRAIN PAN, HINGED ACCESS PANELS, BACNET COMPARABLE AUTOMATED CONTROLS (AS NOTED), POWERED 120 VOLT GFI SERVICE RECEPTACLE. PROVIDE FIELD INSTALLED FULL ECONOMIZER/POWER EXHAUST, INTAKE AND EXHAUST HOODS AND DUAL ENTHALPY HUMIDITY SENSORS. THIS UNIT IS A 100 PERCENT OUTDOOR AIR/EXHAUST VENTILATION UNIT.

(6) DESIGN AIR CONDITIONS: SUMMER OA (95°F/75°F)

WINTER OA (0°F/0°F)

- 7) PROVIDE UNIT WITH VARIABLE FREQUENCY DRIVES.
- (8) UNIT EQUIPPED WITH DX COOLING AND CONDENSING UNIT SECTION.

(9) REFER TO SCHEDULE OF DUCT MOUNTED HEATING COILS FOR COIL DATA.

DOWN BY FIRE ALARM

0)	COORD	INATE	HVAC	EQUIF	PMENT	FAN	SHUT	DO
	PANEL	WITH	ELEC1	RICAL	CONT	RACTO	OR.	

REMARKS

REFER TO 23456

STORAGE ROOMS

	SCHEDULE OF DUCT MOUNTED HOT WATER COILS															
	GENERAL	DATA			SIZE					AIR	WATER					
MARK	SERVICE	LOCATION	WIDTH (IN.)	HEIGHT INCHES	FACE AREA (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 Δ HEAD (FT)	REMARKS
HWC 1-1	NEW ADDITION	CEILING	_	-	6.4	2 MINIMUM	VARIABLE	3200	290	0.2" MAX	500	6	90	29.0	5 FT. MAX	REFER TO 123

N (1) ENTERING WATER TEMPERATURE 180°F, 20°F ΔT .

(2) PROVIDE INSPECTION AND CLEANING DUCT ACCESS DOOR ON UPSTEAM SIDE OF COIL.

THE HOT WATER COIL IS SIZED TO HANDLE OUTDOOR AIR QUANTITIES AT 100 PERCENT OF OCCUPANCY WITHOUT HAVING TO RESORT TO CLOSING OUTDOOR AIR INTAKE DAMPERS ON A "DESIGN HEATING DAY" TO PREVENT FREEZE-UP.

Fielding International

Geddis

Architects

Architecture. Planning. Interiors

71 Old Post Road

P.O. Box 1020

Southport, CT 06890

(203) 256-8700

Revision Schedule

Description

SED Submission

ISSUED FOR BID

Date

10/23/2020

08/10/2021

Transforming Education by Design

259 Water Street Suite 1L Warren, RI 02885 USA +1 401-289-2789

REMARKS

REFER TO 234

REFER TO 235

SURFACE



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SED#: 6618-0001-0003-025

PROJECT

Rye City Schools 555 Theodore Fremd Ave, Rye, NY 10580

Midland Elementary School

312 Midland Ave, Rye NY 10580

SCHEDULES

SEAL & SIGNATURE | DATE: PROJECT No: 9200 DRAWING BY: Author CHK BY: BGA/BGA DWG No:

H3-301

SCHEDULE OF VRF INDOOR UNITS SCHEDULE OF REGISTERS AND DIFFUSERS FINISH REMARKS OPPOSED BLADE SCD 4-WAYPER ARCH. DIFFUSER REFER TO 23456 ARNU073TRD4 265 15 208/1/60 7.5/8.5 0.20 CEILING REGISTER OPPOSED EXHAUST BLADE ARNU123TRD4 EXHAUST 635 PER ARCH. ARNU183TRD4 9.1/21.5 EXISTING REGISTER/GRILLE ARNU243TNA4 ARNU283TMA4 30.0/32.0 ARNU363TMA4 N (1) AS MANUFACTURED BY "PRICE". SUPPLY NECK SIZE PER CFM RANGE (NOT TO EXCEED 500 fpm)

SUPPLY NECK SIZE PER CFM RANGE (NOT TO EXCEED 675 fpm) REFER TO 25 $Q \stackrel{\frown}{(2)}$ install per manufacturer's recommendations. PRHR023A 3 PROVIDE MOUNTING FRAME COMPATIBLE W/ MOUNTING PRHR023A SURFACE. COORDINATE ALL BORDER TYPES, COLORS, FINISHES AND DIMENSIONS WITH ARCHITECT. 9x9 | 12x12 | 15x15 | 18x18 | 21X21 | 24X24 | 6x6 | 8X8 | 10X10 | 12X12 | 14X14 | 16X16 | 18X18 | 24X24 PRHR033A PRHR043A

N (1) AS MANUFACTURED BY "LG."

SCHEDULE OF VRF OUTDOOR HEAT PUMP/RECOVERY UNITS

SCROLL

MOUNT ON RAILS. THREE PIPE SYSTEM. PROVIDE VIBRATION ISOLATORS, EQUIPMENT SUPPORTS, DISCONNECT SWITCH, CONVENIENCE OUTLET, LOW AMBIENT CONTROLS AND PHASE PROTECTION. DC INVERTER COMPRESSOR SPEED CONTROL BASED ON SYSTEM LOAD.

324

288

6 SYSTEM SHALL BE ABLE TO BE CONTROLLED BY BACNET EITHER DIRECTLY OR THROUGH AN EXTERNAL GATEWAY.

ARUM288DTE5

 \mathcal{E} \mathcal{E} Based on A.R.I. Certified Coil Selections; refrigerant R-410A,

4 DESIGN AIR CONDITIONS: SUMMER: OA (94°F/75°F) RA (77°F/65°F);

WINTER: OA (5°F/3°F) RA (70°F/55°F). HW: 180°F/160°F

MCA MOP

6.4/35.7 2

25/50 | 480/3/60

98x30x67/1200

 $\frac{Q}{r}$ $\stackrel{\frown}{(2)}$ Install per manufacturer's recommendations.

AND AUTO SHUTDOWN OVERFLOW SWITCH.

 $m{E}$ (3) based on a.r.i. certified coil selections; refrigerant R-410a. 4 PROVIDE FACTORY MOUNTED INTEGRAL CONDENSATE PUMP, CONDENSATE DRAIN PIPING, PIPING ENCLOSURE KIT, CHECK VALVE, ANTI SWEAT SLEEVE (5) PROVIDE MOUNTING HARDWARE, VIBRATION ISOLATORS, DISCONNECT AND HARDWIRED REMOTE WALL MOUNTED CONTROLLER/THERMOSTAT. WHERE MULTIPLE CEILING CASSETTE UNITS TIE INTO A SINGLE ZONE CONTROLLER/THERMOSTAT, PROVIDE WIRED REMOTE GROUP CONTROL CABLE ASSÉMBLY PZCWRC1 AS REQUIRED.

6 SYSTEM SHALL BE ABLE TO BE CONTROLLED BY BACNET EITHER DIRECTLY OR THROUGH AN EXTERNAL GATEWAY.

COLLEDIUE OF EVILABLET FAMO

		SC	CHEDUL	E OF E	XHAUS	SI FA	INS.		
ARK	SERVICE	LOCATION	TYPE	MODEL No. ①	CFM	TOT. S.P. IN H ₂ O	HP AMPS	ELECTRIC SERVICE	REMARKS
EF 1	STORAGE 77	ROOF	CENTRIFUGAL	G-095-VGEX-QD	100	0.125	1/6 -	120/1/60	REFER TO 234

N (1) AS MANUFACTURED BY "GREENHECK".

2) INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

5 (3) FURNISH FACTORY SPEED CONTROL.

4 FURNISH FACTORY BACKDRAFT DAMPER AND DISCONNECT SWITCH.

	SC	HEDUL	LE C	DF	CA	BII	VET	HEA	TERS	
MARK	TYPE UNIT	MODEL Nº ①	CAP. BTU/HR	ACITY L		PD.FT.	MOTOR WATTS	MOTOR RPM	ELECTRIC SERVICE	REMARKS
(CH) A	CEILING MTD.	RC 1170 03	20.6	335	2.0	0.25	1/15	1050	120/1/60	REFER TO (2)(3)(4)(5)(6)

N (1) AS MANUFACTURED BY "STERLING".

O (2) INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

F (3) CAPACITIES BASED ON LOW SPEED FAN SETTING, AND 160° F A.W.T.

 ${\cal S}$ ${f (4)}$ provide 2 row coil, throwaway filters, integral speed control, disconnect switch, remote WALL SENSOR CONNECTED TO BMS, GASKET AND PERMA LAP FRAME. COORDINATE FINISH AND COLOR

(5) UNIT DIMENSIONS 36"x25"x9.5", WEIGHT 150 LBS.

6 PROVIDE WITH HOT WATER RETURN AQUASTAT. AQUASTAT SHALL NOT ALLOW FAN TO OPERATE AT WATER TEMPERATURE BELOW 110 DEGREES F.

CHEDIII	FOEL	IINIMUM	VENITII	$\Lambda T I \cap M$	$P \cap \cap M$	$FI \cap W$	' DATEC
GIIEDUL	L OF N		VEIVIL	AIIUN	NOUN		NAILS

			SCHEDU	LE OF MINIMU	JM VENTILATIC	N ROOM FLO	W RATES								
	A B C D E F G H I														
ROOM NAME/NUMBER	OCCUPANCY CATEGORY	ROOM AREA (SQ.FT.)	PEOPLE DENSITY (#P/1000 SQ.FT.) / # OF FIXTURES	PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	AREA OUTDOOR AIR FLOW RATE IN BREATHING ZONE (CFM/SQ.FT.)	EXHAUST AIR FLOW RATE (CFM/SQ.FT.)	NUMBER OF PEOPLE (A×B)÷1000=#P	OUTDOOR AIR FLOW RATE WITHOUT ZONE EFFECTIVENESS FACTOR (F×C)+(A×D)=CFM	ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	MINIMUM ROOM VENTILATION AIR FLOW RATE G÷H=CFM	MINIMUM EXHAUST AIR FLOW RATE A×E=CFM				
Vestibule 70	CORRIDORS	200	0	0	0.06	0	0	12	0.8	15	0				
Active Commons 71	CLASSROOM (AGES 9+)	690	35	10	0.12	0	25	333	0.8	416	0				
5th Grade Learning Studio 73	CLASSROOM (AGES 9+)	790	35	10	0.12	О	28	375	0.8	469	0				
5th Grade Learning Studio 75	CLASSROOM (AGES 9+)	780	35	10	0.12	О	28	374	0.8	467	0				
5th Grade Learning Studio 78	CLASSROOM (AGES 9+)	740	35	10	0.12	О	26	349	0.8	436	0				
5th Grade Learning studio 80	CLASSROOM (AGES 9+)	780	35	10	0.12	О	28	374	0.8	467	o				
Workshop Commons 76	CLASSROOM (AGES 9+)	840	35	10	0.12	О	30	401	0.8	501	0				
Conference 72	CONFERENCE/MEETING	150	50	5	0.06	0	8	49	0.8	61	0				
SGR 74	CLASSROOM (AGES 9+)	110	35	10	0.12	0	4	53	0.8	67	0				
SGR 79	CLASSROOM (AGES 9+)	90	35	10	0.12	0	4	51	0.8	64	0				
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BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK