Bid No: ITB 2023023
Name of Bid: AC Repairs and Replacements
Post Date: 11/28/2023
Notice Post Time: 3:30 p.m.

Q&A Response No: 1

Q1. Can we please get the original schedule of the RTU's (Key Largo School) We want to verify CFM and static pressures.
RTU-5-1
RTU-5-2
RTU-5-3
RTU-6-1
RTU-6-2
RTU-6-3
A1. See Attachment No. 1 included within.

Q2. Also, on the ITB (III. General Requirements; C. Scope of work by site; 1. Key Largo School; vii. On RTU-61 through RTU-6-3 provide a two-position damper kit same as the existing. Damper is to open only when the unit is on, and stage 1 compressor is calling). All specified CaptiveAire units come standard with a direct dive actuator (0–10-volt signal) u with spring return to ensure that the outdoor air intake closes when called for. There is no need to add any additional "dampers" to the unit for outside air requirements.
A2. The internal Outside Air Damper that is provided with the Captive Aire unit is acceptable as long as it can maintain the same sequence of operation. The vendor will need to provide whatever is needed to achieve that sequence of operation.

Q3. Key Largo School – Do RTU's require Hot Gas reheat Coil?
A3. No. It is preferred that the units do not have Hot Gas Reheat coils.

Q4. Horace O' Bryant School – Bid specs are replacement of Trane AHU 1/AHU 2/AHU 3- these are listed as R22 AHU's. What is the status of the outdoor Condensing units? Are they operating on R410A refrigerant? To get an AHRI/SEER2 compliant system the indoor and outdoor units require replacement.

A4. The condensing units and TXV's have already been changed to R410A.

Attachment No. 1

ROOFTOP AIR CONDITIONING UNIT SCHEDULE

PLAN MARK	MODEL NUMBER	MAKE	TOTAL AIR CFM	OUTSIDE AIR CFM	MIN. TONS	EXT. S.P.	COOLING CAPACITY						ELECTRICAL DATA									
							TOT. MBH	SENS. MBH	EAT DB	EAT WB	LAT DB	LAT WB	NO COMP.	COMP. RLA(EA)	NO. FANS	FAN HP(EA)	HEATING kW/STEP	BLOWER FAN HP	MCA	MAX FUSE SIZE	EER	VOLT/ PHASE
OA-5	RK-25-3	AAON	4000	4000	25	1.0	295.3	158.4	91	78	55.9	55.7	2	19.6	3	3/4	-	5	58	70	9.3	460/3
OA-6	RK-25-3	AAON	3320	3320	24	1.0	271.9	131.2	91	78	52.0	51.8	2	19.6	3	3/4	-	5	58	70	8.8	460/3
RTU-5-1	RK-16-3	AAON	8650	0	18	1.5	221.3	195.1	80	67	59.2	58.9	2	14.7	2	3/4	-	7 1/2	48	60	11.0	460/3
RTU-5-2	RK-16-3	AAON	7800	0	16	1.5	203.8	178.3	80	67	58.8	58.7	2	14.7	2	3/4	-	5	45	50	10.5	460/3
RTU-5-3	RK-15-3	AAON	5000	0	14	1.0	178.2	133.5	80	67	55.4	55.3	2	10.9	2	3/4	-	3	33	40	10.3	460/3
RTU-6-1	RK-15-3	AAON	5060	0	14	1.0	178.6	134.3	80	67	55.4	55.3	2	10.9	2	3/4	-	3	33	40	10.3	460/3
RTU-6-2	RK-16-3	AAON	6900	0	16	1.5	201.1	166.0	80	67	57.8	57.0	2	14.7	2	3/4	-	5	45	50	10.5	460/3
RTU-6-3	RK-15-3	AAON	6120	0	16	1.0	183.9	149.3	80	67	57.5	57.4	2	10.9	2	3/4	-	5	36	45	10.2	460/3

NOTES:

1. MANUFACTURERS: AAON
2. PROVIDE FACTORY PREFABRICATED ROOF CURB AND 90% EFFICIENCY FILTERS IN COMPLIANCE WITH ASHRAE STANDARDS 52-76
3. AIR HANDLING UNIT AND ASSOCIATED EXHAUST FAN SHALL SHUT DOWN UPON FIRE ALARM SIGNAL, DUCT SMOKE DETECTOR SENSING PRODUCTS OF COMBUSTION OR MANUAL ACTUATION OF AHU OR EXHAUST STARTER TO "OFF" POSITION.
4. UNITS OA-5 & OA-6 SHALL HAVE FACTORY HOT GAS REHEAT COIL SYSTEM AND CONTROLS, AND WEATHERPROOF 100% OA INTAKE HOOD WITH BIRDSCREEN & MOTORIZED LOW-LEAKAGE DAMPER.
5. FOR UNITS OA-5 & OA-6, PROVIDE TEMPERATURE SENSORS AND CONTROLS INSIDE UNIT FOR A CONSTANT EVAPORATOR COIL LEAVING AIR TEMPERATURE OF 55°.
6. PROVIDE ALL UNITS WITH SINGLE POINT ELECTRICAL POWER CONNECTION AS PART OF THE PACKAGED UNITS.
7. SCHEDULED UNIT RATINGS AND CAPACITIES SHALL BE BASED ON AN AMBIENT DESIGN TEMP OF 105 ° F.
8. RTU-5-1 THROUGH RTU-5-3 AND RTU-6-1 THROUGH RTU-6-3 SHALL HAVE THEIR OUTSIDE AIR INTAKES BLANKED OFF, INSULATED ANDSEALED AIRTIGHT AND WEATHERPROOF, FOR ZERO CFM'S OF OA. CONDITIONED BUILDING OA SUPPLY SHALL BE SUPPLIED BY UNITS OA-5 & OA-6 INSTEAD OF BY RTU'S.
9. WHEN OA-5 AND OA-6 STOP, THEIR OUTSIDE AIR DAMPERS SHALL CLOSE, AND ALL EHXAUST FANS IN THEIR RESPECTIVE BUILDINGS SHALL STOP, AND THE EXHAUST FAN DAMPERS SHALL SHUT.

BUILDING 5-HVAC DEMOLITION
SCALE: 1/8"=1'-0"