RFP 9F030-20200182

Upgrade and refit of the Heating Ventilating Air Conditioning System at the David Florida Laboratory

Addendum #1

RESPONSES TO QUESTIONS FROM POTENTIAL BIDDERS:

1. How high are the ceilings for the RTU 1, 2 & 3 on the 3rd floor?

   For the office space that require the ductwork modification, the ceiling height is approximately 138 in. above finished flooring to the deck underside

2. How far is the fire alarm loop for the RTU to be connected to the fire alarm?

   less than 100 ft. to the local fire alarm signal

3. Panel 207-1-SP (600v), we would need to know the manufacturer and what type of panel.

   Square D. Refer to the photos in the amendment (to be posted)

4. What manufacturer is the existing fire alarm system?

   Refer to spec section 23 74 00 part 2.1

5. Could you please provide Elevation of the building?

   Refer to the images included in this amendment.

6. In spec DFL will provide escort for regular hours but the work must be done after hours for RTU replacement, do I need to pay our escort after working hours?

   DFL will provide escort for regular hours and after hours given that construction schedule is submitted and accepted by the departmental representative as per specification.

7. Who is the BAS controls contractor for this building?

   Refer to specification section 21 05 02

8. Who is the fire protection contractor for this building?

   Refer to specification section 21 05 02

9. There is no pictures allowed on site . Will the agency take pictures of the existing units?

   Refer to the images included in this amendment.

10. Will the agency share what the existing units where there before the carriers as to ascertain if there was carrier or another unit there so that we confirm that the seismic curb adapter we provide will be the right size to fit the new carrier unit?

    No additional information could be provided for what were installed before the existing units.

11. Will project be extended to allow for pictures?

    Yes, the closing date has been changed to September 18, 2020.

12. My supplier for the breakers has asked me if we can get more information on the existing model of the 347/600V panel board (207-1-SP). He says depending on the model there will be big differences in pricing. Could you provide more information or pictures of the existing panel?

    Square D. Refer to the photos included in this amendment.

13. Spec section 26 05 00 3.4.2 mentions a protective device coordination study. Can you confirm that a coordination study is required for this project?

    The consultant confirmed that coordination study is not required.

14. Can testing/commissioning be done during normal working hours?

    Testing and commissioning may be performed during normal working hours with minimum disturbance to the building occupants. Departmental representative will review the construction schedule to be submitted including the testing/commissioning process by the contractor for approval as per specification.

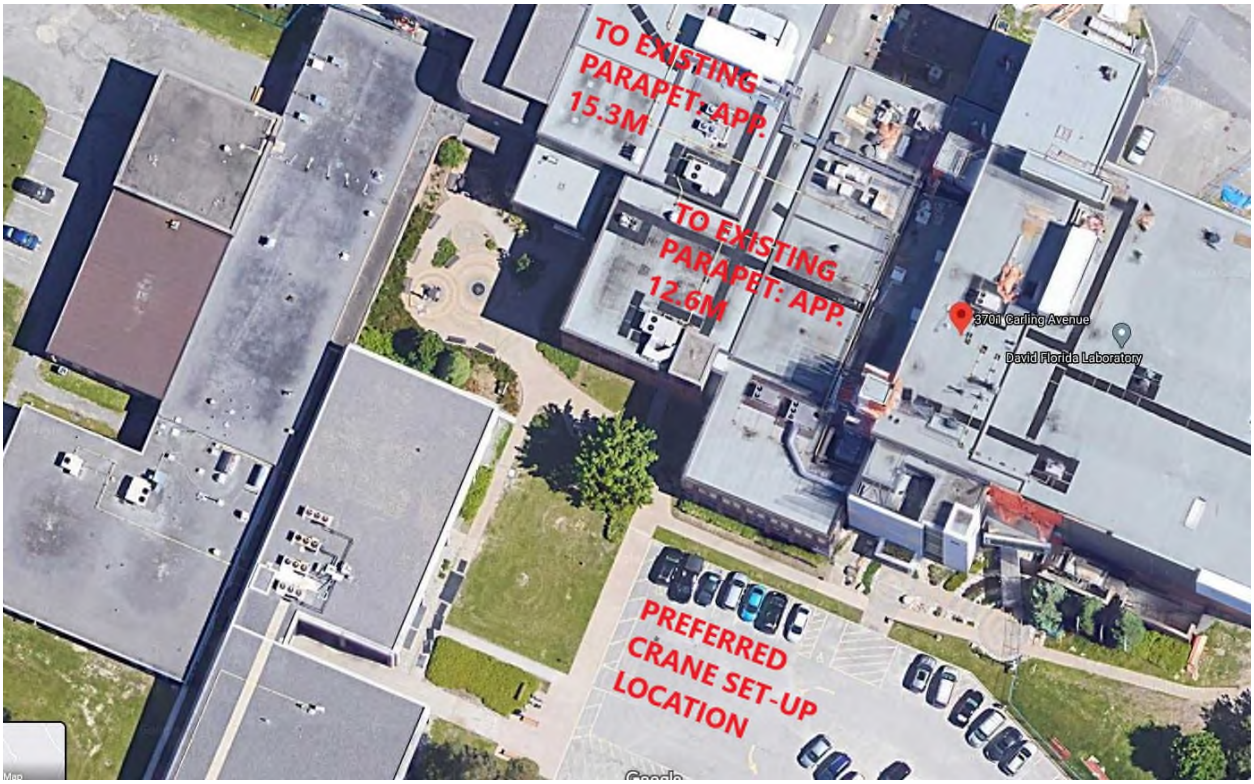
15. The RTUs have a fire alarm connection, and we will need to verify the connection with the fire alarm company. Which fire alarm company is in this building?

    Refer to spec section 23 74 00 part 2.1

16. Drawing E2 “Description of site distribution new work” note 5 indicates that there is a local fire alarm signal next to each RTU. How far away is this local fire alarm signal?

    Less than 100 ft. to the local fire alarm signal.

PARAPET ELEVATION AND PREFERRED CRANE SETUP LOCATION



ADDITIONAL PICTURES:

Existing RTU#1 Photo 1

Existing RTU #1 Photo 2

Existing RTU #1 Photo 3

Existing RTU #1 Photo 4

Preferred crane location photo 1

Preferred crane location photo 2

Existing RTU #2 Photo 1

Existing RTU #1 Overview

Existing RTU #3 photo 1

Existing RTU #3 photo 2

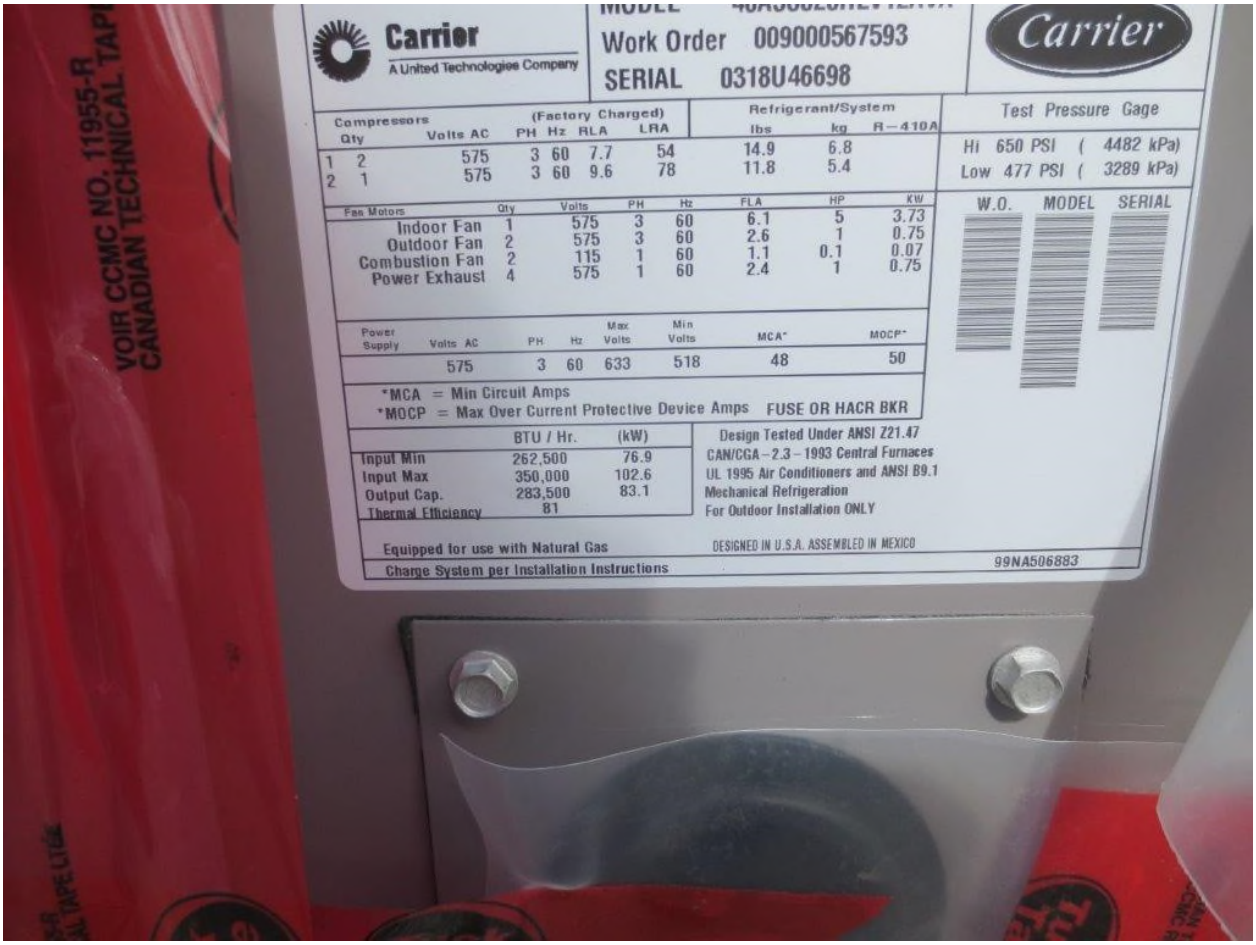
Existing RTU #3 photo 3

Existing RTU #3 photo 4

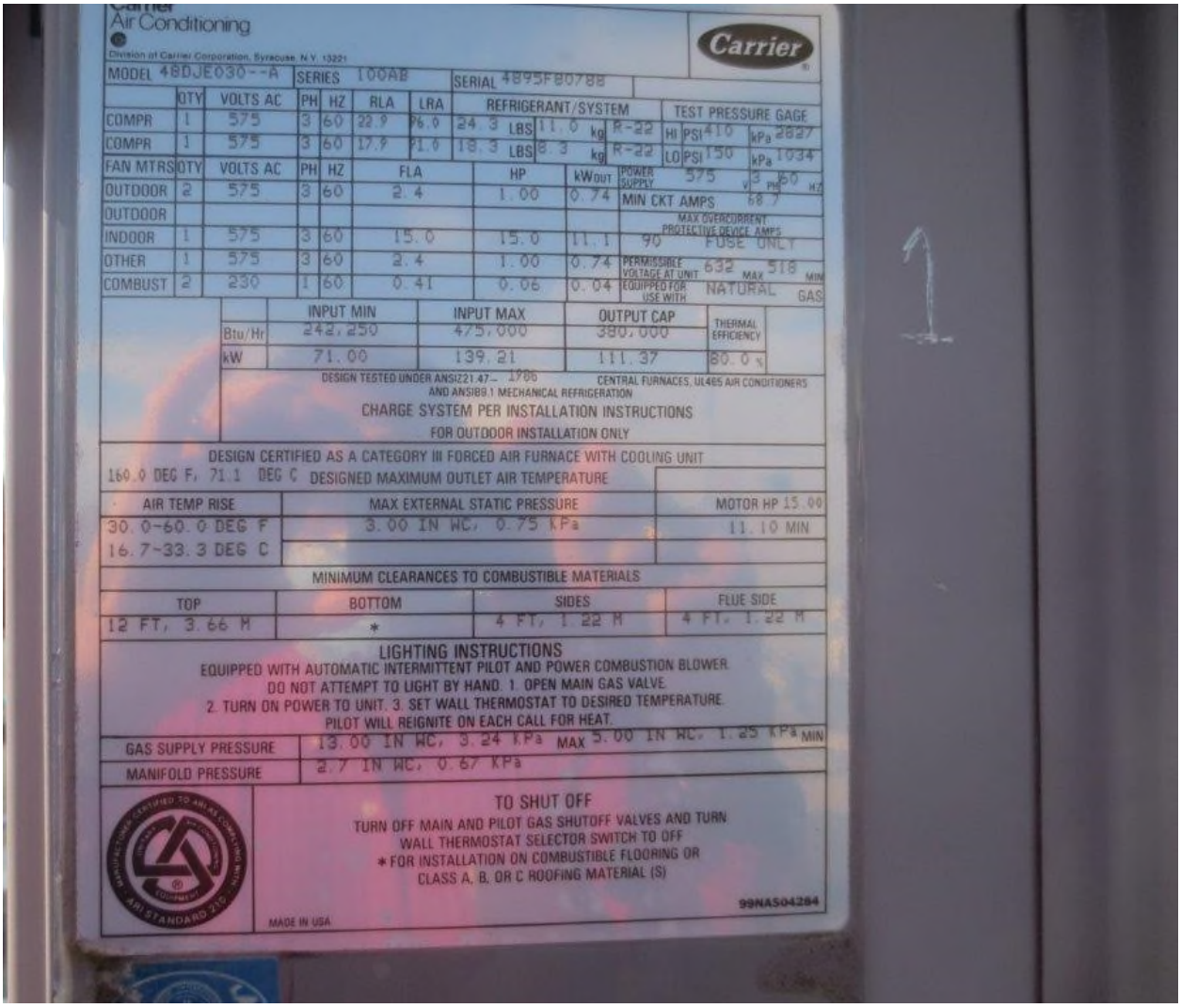
Existing RTU #3 photo 5

New RTU nameplate photo 1

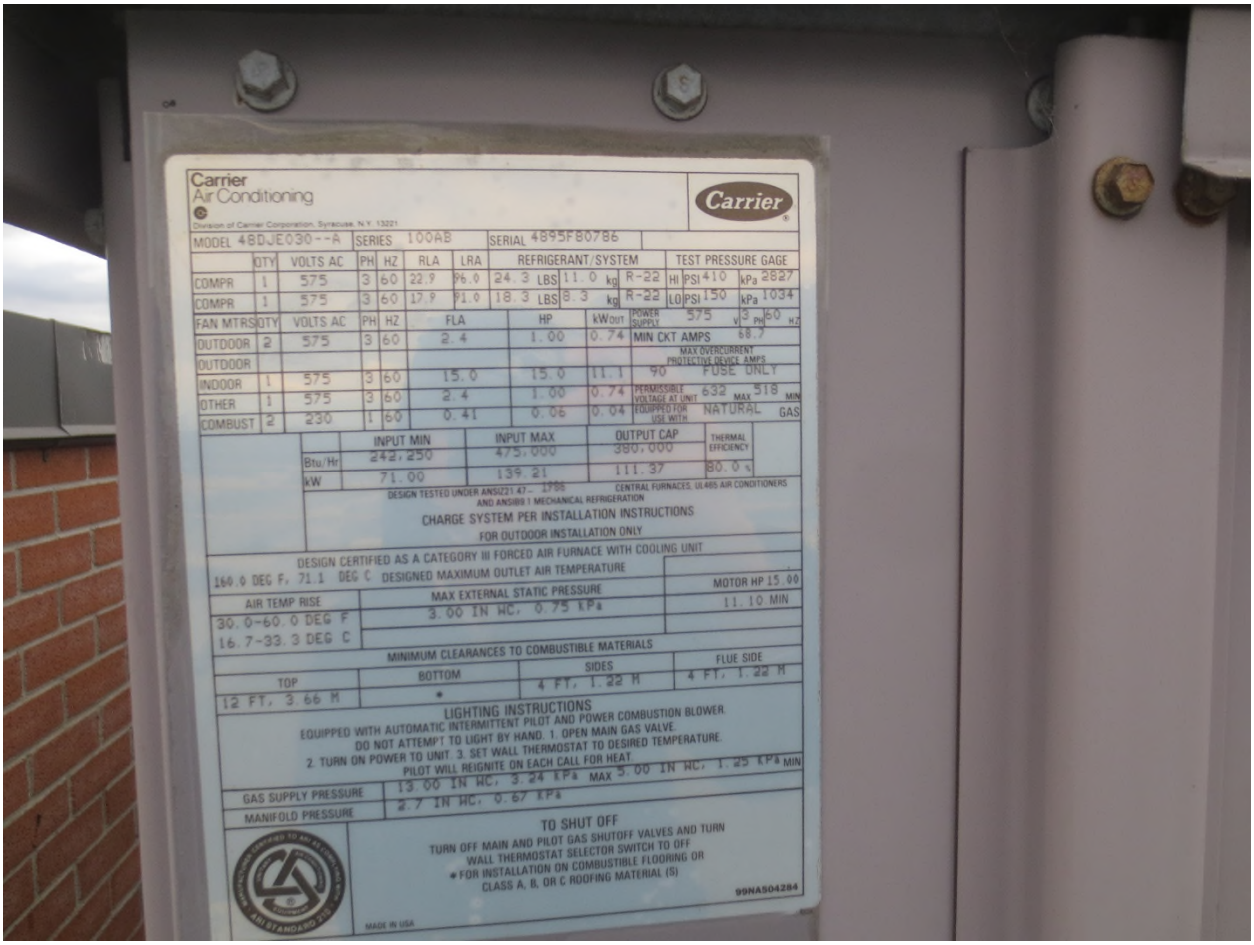
New RTU nameplate photo 2



Existing RTU #1 nameplate



Existing RTU #2 nameplate



Carrier
Air Conditioning
Division of Carrier Corporation, Syracuse, N.Y. 13221

Carrier

MODEL 48DJE030--A | SERIES 100AB | SERIAL 4895F80786

	QTY	VOLTS AC	PH	HZ	RLA	LRA	REFRIGERANT/SYSTEM	TEST PRESSURE GAGE
COMPR	1	575	3	60	22.9	96.0	24.3 LBS 11.0 kg R-22	HI PSI 410 kPa 2827
COMPR	1	575	3	60	17.9	91.0	18.3 LBS 8.3 kg R-22	LO PSI 150 kPa 1034

FAN MTRS	QTY	VOLTS AC	PH	HZ	FLA	HP	kW OUT
OUTDOOR	2	575	3	60	2.4	1.00	0.74
OUTDOOR							
INDOOR	1	575	3	60	15.0	15.0	11.1
OTHER	1	575	3	60	2.4	1.00	0.74
COMBUST	2	230	1	60	0.41	0.06	0.04

POWER SUPPLY 575 V 3 PH 60 HZ
MIN CKT AMPS 68.7
MAX OVERCURRENT PROTECTIVE DEVICE AMPS 90 FUSE ONLY
PERMISSIBLE VOLTAGE AT UNIT 632 MAX 518 MIN
EQUIPPED FOR USE WITH NATURAL GAS

	INPUT MIN	INPUT MAX	OUTPUT CAP	THERMAL EFFICIENCY
Btu/Hr	242,250	475,000	390,000	
kW	71.00	139.21	111.37	80.0 %

DESIGN TESTED UNDER ANSI/Z21.47 - 1998 CENTRAL FURNACES, UL465 AIR CONDITIONERS AND ANSI/B9.1 MECHANICAL REFRIGERATION

CHARGE SYSTEM PER INSTALLATION INSTRUCTIONS

FOR OUTDOOR INSTALLATION ONLY

DESIGN CERTIFIED AS A CATEGORY III FORCED AIR FURNACE WITH COOLING UNIT

160.0 DEG F, 71.1 DEG C DESIGNED MAXIMUM OUTLET AIR TEMPERATURE

AIR TEMP RISE	MAX EXTERNAL STATIC PRESSURE	MOTOR HP 15.00
30.0-60.0 DEG F	3.00 IN WC, 0.75 kPa	11.10 MIN
16.7-33.3 DEG C		

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

TOP	BOTTOM	SIDES	FLUE SIDE
12 FT, 3.66 M	*	4 FT, 1.22 M	4 FT, 1.22 M

LIGHTING INSTRUCTIONS

EQUIPPED WITH AUTOMATIC INTERMITTENT PILOT AND POWER COMBUSTION BLOWER.
DO NOT ATTEMPT TO LIGHT BY HAND. 1. OPEN MAIN GAS VALVE.
2. TURN ON POWER TO UNIT. 3. SET WALL THERMOSTAT TO DESIRED TEMPERATURE.
PILOT WILL REIGNITE ON EACH CALL FOR HEAT.

GAS SUPPLY PRESSURE	13.00 IN WC, 3.24 kPa MAX	5.00 IN WC, 1.25 kPa MIN
MANIFOLD PRESSURE	2.7 IN WC, 0.67 kPa	

TO SHUT OFF

TURN OFF MAIN AND PILOT GAS SHUTOFF VALVES AND TURN WALL THERMOSTAT SELECTOR SWITCH TO OFF

* FOR INSTALLATION ON COMBUSTIBLE FLOORING OR CLASS A, B, OR C ROOFING MATERIAL (S)

99NAS04284

MADE IN USA

Existing RTU #3 nameplate

Panel 207-1-SP photo 1

Panel 207-1-SP photo 2

Panel 207-1-SP photo 3

Panel E14-1-DP photo 1

Panel E14-1-DP photo 2

Panel 308-1-DP photo 1

Panel 308-1-DP photo 2