BASE SCOPE

RTU 9 Compressor Replacements -

Replace two compressors: one each per circuits 1 & 2.

PROJECT SCOPE:

- Provide all materials, labor, equipment, and tools necessary to complete the work.
- Set up refrigerant recovery materials and mount them in place.
- Recover the existing refrigerant from circuits 1 & 2
- Disconnect existing electrical connections
- Disconnect existing piping connections to the two compressors
- Remove and properly dispose of the two existing compressors
- Provide two new compressors and get them to the units on the roof. An elevator can get you to the 3rd floor and an access door approx 40" wide can get you to the roof or the contractor can coordinate a crane or other conveyance to raise them straight to the roof. Any street or sidewalk closure permits via DPW or Police Details required are at the cost of the contractor. Contractor is responsible for determining the size of the crane, if using one, and location to lift from and to. All options chosen by the contractor shall be included in the bid price to cover all costs associated with the work.
- Reconnect existing refrigerant piping
- Furnish and install (1) new filter drier for circuits 1 & 2
- Reconnect existing electrical connections to the compressors
- Mount the vacuum pump in place and monitor the system until the proper microns are met
- Pressurize the system and perform a leak check to ensure all piping is tight and secure
- Remove the nitrogen from the system
- Re-charge the unit to the manufacturer's nameplate recommended charge with new R-22 refrigerant
- Remove any compromised refrigerant and dispose of per EPA requirements.
- Start and test each unit and verify compressor operation, circuit pressures, and overall cooling performance. Document and make any recommendations of additional repairs to ensure the unit functions as designed.
- Provide any necessary Worcester Fire Prevention Hot Works permit and if required paid detail
- All work to be done during normal working hours: 7:00 am – 3:30 pm

RTU's 12 Compressor Replacements -

Replace one compressor on circuits 1.

PROJECT SCOPE:

- Provide all materials, labor, equipment, and tools necessary to complete the work.
- Set up refrigerant recovery materials and mount them in place.
- Recover the existing refrigerant from circuits 1
- Disconnect existing electrical connections
- Disconnect existing piping connections to the compressor
- Remove and properly dispose of the existing compressor
- Provide one new compressors and get it to the unit on the roof. An elevator can get you to the 3rd floor and internal stairs can get you to the roof or you can coordinate a crane or other conveyance to raise them straight to the roof. Any street or sidewalk closure permits via DPW or Police Details required are at the cost of the contractor. Contractor is responsible for determining the size of the crane, if using one, and location to lift from and to. All options chosen by the contractor shall be included in the bid price to cover all costs associated with the work.
- Reconnect existing refrigerant piping
- Furnish and install (1) new filter drier for circuits 1
- Reconnect existing electrical connections to the compressor
- Mount the vacuum pump in place and monitor the system until the proper microns are met
- Pressurize the system and perform a leak check to ensure all piping is tight and secure
- Remove the nitrogen from the system
- Re-charge the unit to the manufacturer's nameplate recommended charge with new R-22 refrigerant
- Remove any compromised refrigerant and dispose of per EPA requirements.
- Start and test the unit and verify compressor operation, circuit pressures, and overall cooling performance. Document and make any recommendations of additional repairs to ensure the unit functions as designed.
- Provide any necessary Worcester Fire Prevention Hot Works permit and if required paid detail
- All work to be done during normal working hours: 7:00 am – 3:30 pm

ADD Alternate #1

RTU 15 Compressor Replacements –

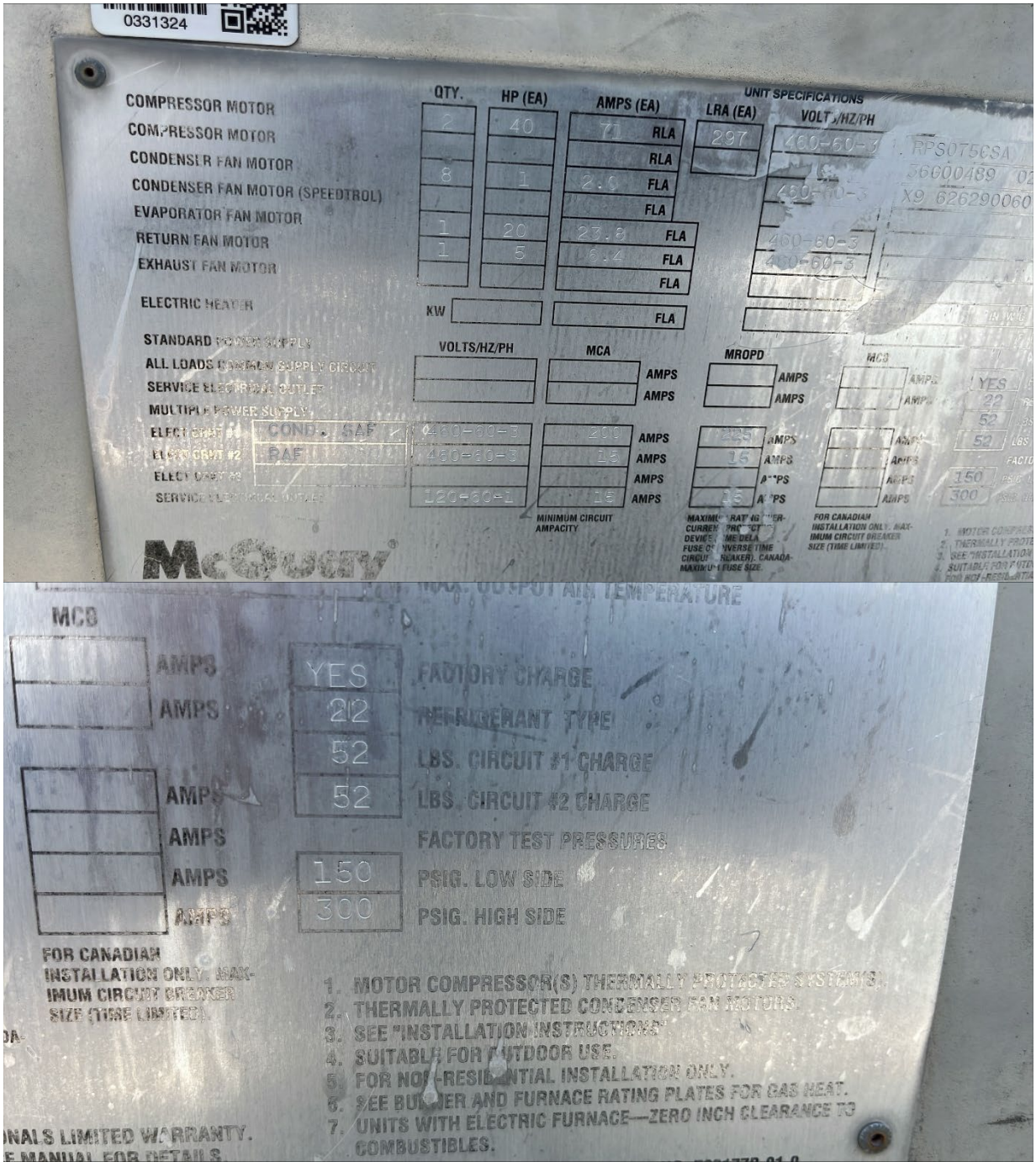
Replace two compressor: one each per circuits 1 & 2.

PROJECT SCOPE:

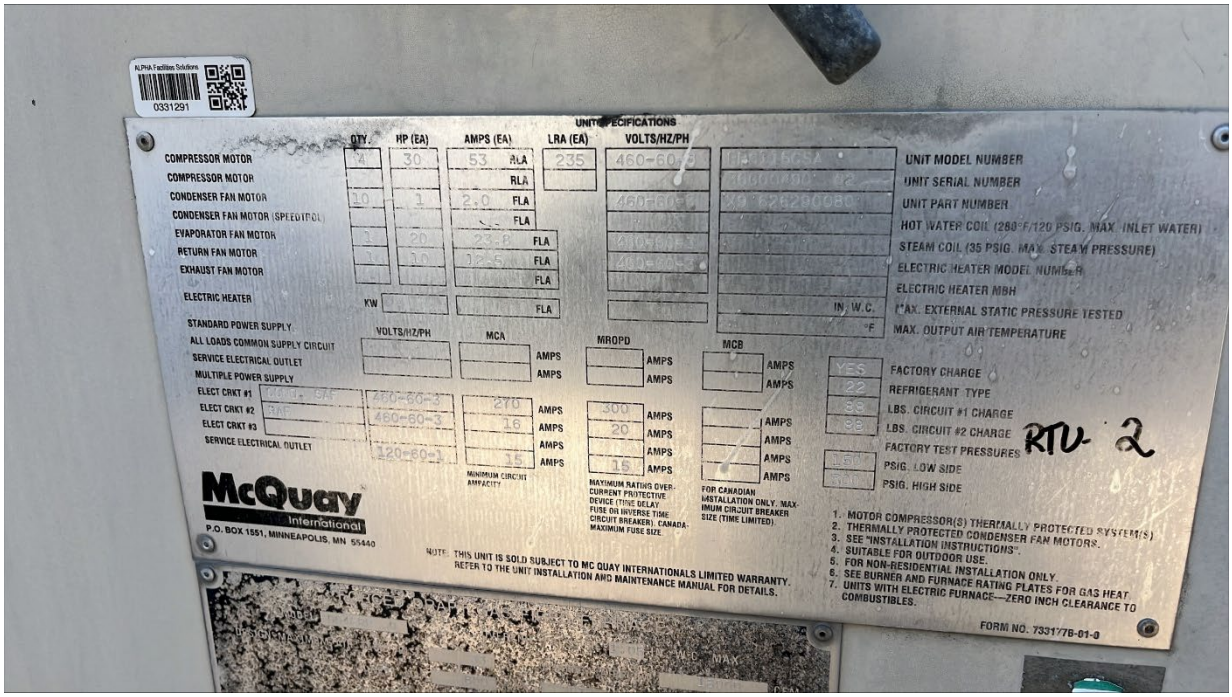
- Provide all materials, labor, equipment, and tools necessary to complete the work.
- Set up refrigerant recovery materials and mount them in place.
- Recover the existing refrigerant from circuits 1 & 2
- Disconnect existing electrical connections
- Disconnect existing piping connections to the two compressors
- Remove and properly dispose of the two existing compressors
- Provide two new compressors and get them to the units on the roof. An elevator can get you to the 3rd floor and internal stairs can get you to the roof or you can coordinate a crane or other conveyance to raise them straight to the roof. Any street or sidewalk closure permits via DPW or Police Details required are at the cost of the contractor. Contractor is responsible for determining the size of the crane, if using one, and location to lift from and to. All options chosen by the contractor shall be included in the bid price to cover all costs associated with the work. Add alternates, if accepted, shall be accepted when the base bid is accepted.
- Reconnect existing refrigerant piping
- Furnish and install (1) new filter drier for circuits 1 & 2
- Reconnect existing electrical connections to the compressors
- Mount the vacuum pump in place and monitor the system until the proper microns are met
- Pressurize the system and perform a leak check to ensure all piping is tight and secure
- Remove the nitrogen from the system
- Re-charge the unit to the manufacturer's nameplate recommended charge with new R-22 refrigerant
- Remove any compromised refrigerant and dispose of per EPA requirements.
- Start and test each unit and verify compressor operation, circuit pressures, and overall cooling performance. Document and make any recommendations of additional repairs to ensure the unit functions as designed.
- Provide any necessary Worcester Fire Prevention Hot Works permit and if required paid detail
- All work to be done during normal working hours: 7:00 am – 3:30 pm

Reference information

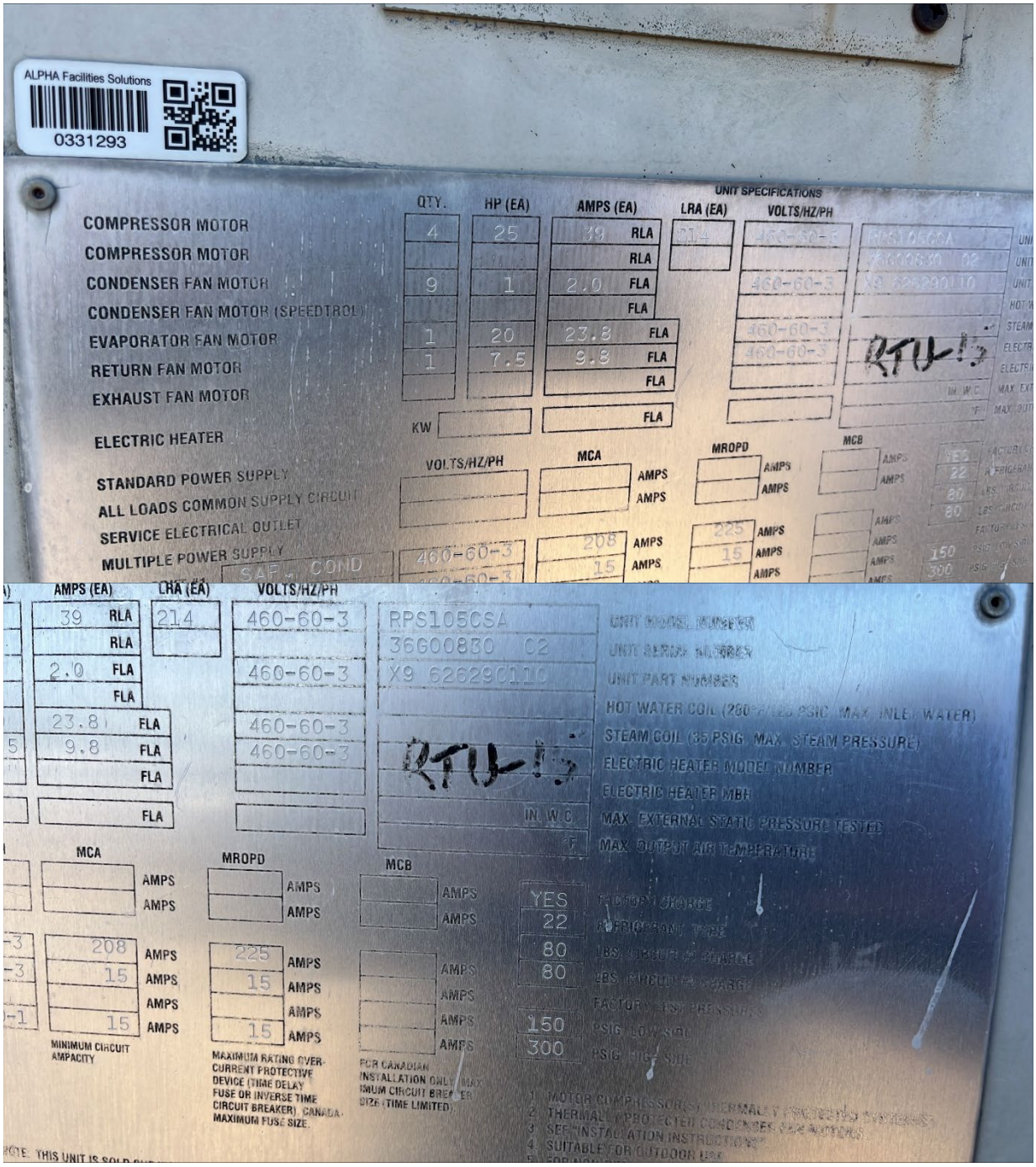
RTU 9 nameplate data



RTU 12 nameplate data



RTU 15 nameplate data



RTU 9 located on lower roof level. Base bid

RTU 12 located on upper roof level. Base bid

RTU 15 located on upper roof level. ADD Alternate #1

PDR&P

TVS&A

GENERAL NOTES

RD ROOF DRAIN 5/A2.2

ERD EMERGENCY ROOF DRAIN 6/A2.2

TAPERED INS CRICKET @ 1/8"/FT. SLOPE. ALL OTHER INS SLOPING AT 1/4"/FT.

1. ALL EQUIPMENT SHOWN DASHED TO BE MOUNTED ON STEEL SUPPORTS SEE 13/A2.2
2. SEE ELEC. FOR LIGHTNING PROTECTION SYSTEM LAYOUT.
3. SEE MECH, ELEC, & PLUMB FOR ADDITIONAL EQUIPMENT AND ROOFING PENETRATIONS NOT SHOWN ON THIS DRAWING.

1 - 71 6/13/96 SHEET REVISED
NO. 30 DATE 2/22/96 REVISION EMERG. GEN. LOCATION

PERRY DEAN ROGERS & PARTNERS: ARCHITECTS

177 MILK STREET, BOSTON, MASSACHUSETTS 02109
617 423-0100

THOMPSON, VENTULETT, STAINBACK & ASSOCIATES, INC. ARCHITECTS
2700 PROMENADE TWO
1230 PEACHTREE STREET N.E.
ATLANTA, GEORGIA 30309-3591
404-888-6600 FAX:404-888-6700

SCALE 1/16" = 1'-0" JOB NO. 3249.00

DRAWN BY - CHECKED BY -

PROJECT

WORCESTER CONVENTION CENTER

CONSTRUCTION DRAWINGS

TITLE

ROOF PLAN

DATE 19 MAY 95 DRAWING NO. A1.1