

**METROPOLITAN WASHINGTON AIRPORTS AUTHORITY
SOLICITATION NO. 1-10-C227**

CONCOURSE C/D ROOF TOP UNIT REPLACEMENT

**NOVEMBER 18, 2010
QUESTIONS AND ANSWER RESPONSE**

1. **QUESTION:** Is there a list available of the current model numbers for the units that need replaced and the units to be refurbished?

RESPONSE:

| Unit #* | Unit Make* | Unit Model* | Unit Serial* |
|---------|------------|---|--------------|
| 214 | York | D1CE072A46B | NEEM063346 |
| 216 | York | D1CE072A46B | NEEM063338 |
| 217 | York | D1CE072A46B | NEEM063343 |
| 220 | York | D1CE072A46B | NEEM063342 |
| 222 | York | D1CE072A46B | NEEM063340 |
| 227 | York | D1CE072A46B | NEEM063339 |
| 228 | Trane | SAHFC3040558C5BD3F01ABW00G0KL00RT008000 | C03006461 |
| 234 | Trane | SEHFC404LT47C5AD90110BDE000KLM0RT00805 | C99D04160 |
| 236 | Trane | TCD240B40CHA | 209100433A |
| 243 | Trane | TCD360A40J2B6ED30000000H00000 | C02C02290 |
| 251 | Trane | JEHFC504LU4606AD9F11A0DE00KL00R0V08600 | C00D11462 |
| 252 | Trane | SEHIC504LU4606AD9F11A0DE000KLM0R00086 | C00D11461 |
| 276 | York | D3CE036A46A | WK4M155059 |
| 286 | Trane | TCD360A40J2B6ED30000000H00000 | C02C02291 |
| 287 | Trane | TCD330A40K2A6DD30000000H00000 | C02G06778 |
| 288 | Trane | TCD330A40J2A6DD30000000H00000 | C02C02289 |
| 297 | York | D1EG180N242046FDC | NDDM028704 |

2. **QUESTION:** The refurbishing of fans state to replace motor bearings? This is not common practice in small HP motors, Is this the intent? What all motors need this, evaporator? Condenser? Exhaust?

RESPONSE: Replacement applies to all fan bearings (evap, cond, exhaust) for units 10 tons and larger.

3. **QUESTION:** The refurbish spec states to replace all ref. fittings over 1/2", is the intent to leave all the old piping and components, and install new fittings only?

RESPONSE: Correct. Old piping is to remain, however fittings are to be replaced and re-braided.

4. **QUESTION:** The under 10 ton units spec a ECM motor, these are constant volume units, the ECM motors are used for variable speed applications, what is the intent?

RESPONSE: Electronically commutated motors are to be provided to improve unit energy efficiency.

5. **QUESTION:** The condensate drain support details show the roller type that are primarily used for gas lines, the Durablock supports M# DB speced are a rigid mount that is commonly used for PVC condensate drains, which type is required?
- RESPONSE:** **DBM model is acceptable. Condensate lines are to be Type K drawn-temper copper as per specification section 232113.3.1.A.**
6. **QUESTION:** Please clarify an exact points list for the stand alone operation as stated in the pre bid meeting, most units operate independently with a wall controller or system pilot, that is BAC net compatible, but a lot of the points requested are part of a BAS control system that is separate from the standard unit controls.
- RESPONSE:** **Local controls are to be provided. Control points will not be connected to a central system, however an interface point for each unit shall be provided to enable future BACNet connections to unit for monitoring and control.**
7. **QUESTION:** The equipment warranty states standard warranty, but not less than 10 yrs for example on compressors, 5 yrs is the most manufactures offer. Is the intent an aftermarket warranty?
- RESPONSE:** **Yes.**
8. **QUESTION:** Most adaptor curbs are designed by the manufacturer; will design drawings from them be sufficient, or are stamped and signed curb details by an independent structural engineer necessary?
- RESPONSE:** **Professional stamp and sealed documents are required.**
9. **QUESTION:** The internal curb u-channel bolted every 16" the roof structure may not be possible due to access restraint due to roof decking, or under side obstacles. Is the intent to cut open the roof to achieve this spec?
- RESPONSE:** **The intent is not to cut open the roof. Work is to be performed while existing unit is removed and from underside of curb opening. See response for question #11.**
10. **QUESTION:** The drawings show the adaptor curb detail with 2" insulation and no spring isolation, the spec calls for 3" insulation and spring isolation, what insulation should we bid, and new equipment has internal compressor and blower spring isolation that allow new equipment to run vibration free. Is redundant spring isolation the intent?
- RESPONSE:** **3" insulation is required per the specifications. If unit is not provided with internal compressor and fan (supply and exhaust) isolation, isolation curbs shall be provided. If internal compressor and fan (supply and exhaust) isolation is provided, vibration isolation rails are not required.**
11. **QUESTION:** The spec. for wind restraint states an eye bolt every 16" O.C. and tie to the lifting lugs on the unit, the units on this job will have four to eight lifting lugs depending on the size. What are the excess eye bolts to tie to on the units?
- RESPONSE:** **Multiple connections to each lifting lug are acceptable. Require delegated design submittal in concurrence with adapter curb design.**