



M E M O R A N D U M

PROC #20-05

NOTICE TO RESPONDENTS

CLARIFICATION TO QUESTIONS NO. 1

SENT VIA E-MAIL

DATE: February 19, 2020

TO: **POTENTIAL RESPONDENTS**

FROM: Margaret M. Maddalena, Contract Administrator

RE: **CONTRACT #2054R FILTER BUILDING VENTILATION PROJECT**

Attachments: **Drawing P-002 Gas Riser Diagram dated 2-14-20; 1 sheet**
Filter Bay Scaffolding Allowable Loads dated 11-13-19; 1 sheet

Question #1: Just to be sure I understood the answer to my question on the walk through. The wall in the tank area were we are building off, we will be able to install fasteners to properly secure the scaffolding.

Response: **Yes.**

Question #2: There are two walls in the tank area that appear to direct the main water flow, one we are building off the other is approximately 4ft. behind. Will we be able to use both walls to create a box which will help with spanning loads, and create a stronger base for scaffolding?

Response: ***Yes, both filter influent channel walls can be used.***

Question #3: Please confirm gas pipe jointing requirements.

Response: *All of the 5 psi piping has to have welded joints. That means each joint from the 4-inch building tie-in point all the way to the regulator for each AHU has to be welded. The downstream side of the regulators (under 5 psi) can have threaded connections. Valves outside of the building can have flanged connections.*

Question #4: Do we need to work one filter at a time?

Response: *No. All four (4) filters can be worked simultaneously once the scaffolding is installed and the filters disinfected. However, during scaffold installation only one (1) filter can be worked on at a time. Be advised that the Commission will require 1-2 days to disinfect each filter after the scaffold is installed.*

Question #5: Please confirm requirements for lightning protection and equipment bonding.

Response: *Contractor shall provide bonding jumper between non-fused disconnect ground termination point and body of all fans, SAUs and RTU. Bonding conductor shall match size of ground wire at equipment.*

Contractor shall furnish and install 24-inch aluminum air terminals installed on top of each fan, SAU, and RTU and connect to the existing lightning protection loop located on the roof.

Question #6: Do the filters need to be covered during work inside the gallery?

Response: *Yes. The entire filter must be covered any time work is conducted overhead. The method in which the filters will be covered must be approved by the Commission and the Commission's Engineer.*

Question #7: Are there any fire protection/alarm requirements?

Response: *Not at this time. We have applied for an exemption at DCA and are awaiting final concurrence.*

Question #8: What information is required to be submitted regarding the scaffolding over the filters?

Response: *A complete description of the arrangement is required in the form of drawings and notes. All imposed loads & load points on the Commission's structures shall be shown.*

Question #9: What are the requirements of the scaffolding?

Response: *In addition to meeting applicable regulations, codes & standards, the scaffolding shall be constructed to prevent any liquids draining into the filters and any debris falling into the filters.*

See attached sketch for Commission requirements as discussed in the Pre-bid meeting.

Question #10: What information shall be submitted for the safety handrail located by the exhaust fans?

Response: *Safety Rail Manufacturer to provide signed and sealed calculations and drawings (NJPE) based on load criteria from Section 1607.8 of the NJ IBC2015 code.*

Question #11: Should the original contractors be used for the following?

- Roof structural steel painting
- Window pane removal & reinstallation
- Solar Panel relocation

Response: *Yes, contact information follows:
Painting – Alpine Painting & Sandblasting Contractors
Sam Scaturro – 973-279-3200
Window Pane - MacKenzie Group, Inc.
Dave MacKenzie 908-233-9200
Solar Panels – Pfister Energy, 973-653-9880*

Question #12: What are the lengths of the Natural Gas piping?

Response: *Refer to attached Drawing P-002:*

*Total Length of 4" NG Pipe = 117'
Total Length of 1 ½" NG Pipe = 116'
Total Length of 1" NG Pipe = 36'
Longest Run (From tie-in point to furthest rooftop unit, SAU-1) = 227'
Combined Total = 269' of NG pipe*

It is recommended to add 5% to these totals.

Question #13: Please clarify the specification and materials of construction for the duct work located within the filter bays.

Response: The ductwork shall be FRP, Fiberglass Reinforced Plastic construction as manufactured by Perry Fiberglass Products, Inc., or equivalent.

cc: Maria Alliegro, P.E., LEED AP, Director of Engineering
Paul Serillo, Director of Facilities
Ed Newman, Construction Manager
Chris Clamser, Project Manager