

223 W. Jackson Blvd., Suite 1200  
Chicago, IL 60606  
Phone: 312-253-3400

## Architectural Services Proposal

**DATE:** April 19, 2021

**TO:** Courtney Whited  
Business Manager/CSBO  
Lincolnwood SD74  
6950 N. East Prairie Road  
Lincolnwood, IL 60712

**FROM:** Athi Toufexis, AIA, LEED-AP

**RE:** Lincoln Hall HVAC Pump Analysis

### **Scope of Architectural Services:**

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Following StudioGC and IMEG's site visit to Lincoln Hall on April 13, 2021 and subsequent review of existing drawings, there are still some unknowns regarding the operation of the existing mechanical piping system. While the recommendations that United T&B has proposed to the District appear to make sense, the existing drawings do not provide enough detail for us to confirm exactly how the system operates and allow us to come to a confirmative recommendation on what should be modified.

If the District would like a strong recommendation on how to resolve the issues of pump cavitation, we recommend conducting a study of the system that would do the following:

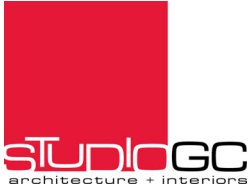
- Track down each pipe loop to determine in general what it serves and if the control valves on that loop are two way valves or three way valves.
- Evaluate each pump loop for the flow required to determine if the existing pipe sizes are adequate and make recommendations for modifications.
- Evaluate the boiler piping to see if automatic isolation valves should be installed to discontinue mixing hot supply water with cold bypassed water through an unused boiler.
- Review the need to add trumpet valves to each of the pumps.
- Review the temperature setpoint recommendations for the various pump loops.
- Develop schematic sketches and a short narrative illustrating the recommendations based upon the above information.

### **Compensation**

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Compensation shall be on a lump sum fee of \$6,000.

Reimbursable expenses will be invoiced at one and one-tenth (1.10) the cost billed to the Architect and shall be limited to plotting and printing costs.



**Schedule**

We can proceed with these assignments as soon as authorized to do so. If you wish to discuss the scope of services in more detail, we are available to do so at your convenience.

If acceptable, please sign and forward one fully executed original of this document to our office. Retain a copy for your contract file.

OWNER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

ACCOUNT MANAGER:  \_\_\_\_\_

PRINT NAME: Athi Toufexis

DATE: 4/19/2021

cc: Vicki Luczynski, StudioGC