ATTACHMENT A

Project Overview:

This scope of work outlines the requirements and activities necessary for the replacement of an existing steel staircase in an aquatic environment. The replacement staircase must be functional, aesthetically pleasing, and capable of resisting corrosion to ensure durability in the challenging aquatic environment.

The scope of services will include, but not to be limited to:

- Conduct a thorough site assessment to understand the existing conditions and requirements.
- Acquire necessary permits and approvals from local authorities for the installation.
- Ensure compliance with safety regulations and environmental standards.
- Removal of any fixtures or hardware attached to staircase or platforms.
- Safely dismantle and remove the existing steel staircase up to top platform, ensuring minimal disruption to the aquatic center.
- Removal of mounting devices from building.
- Preparation of surface to accept new staircase.
- Dispose of all debris and materials in accordance with local regulations and environmental guidelines.
- Installation of new staircase
- Proper filing of L&I paperwork Before and After project.
- Provide all equipment required for proper execution of the work.
- Use of power and/or hand tools,
- Touch up of damage caused to factory finish by installer.
- Reattachment of any hardware or fixtures attached to staircase.
- Site cleanup.
- Contractors will remove debris from the site daily.
- Dispose of all debris and materials in accordance with local regulations and environmental guidelines.
- Inspect the installed staircase for any defects, irregularities, or safety concerns.
- Obtain final inspections and approvals from relevant authorities.

Along with structural reinforcement to walls as deemed necessary by either the Contractor or The District to ensure that the staircase achieves an institutional level durability to withstand heavy use, abuse, and vandalism. Additionally, the existing handrail not attached to the current staircase shall be left in place for future use. The contractor and The District will work together to design a work schedule.

Requirements for product:

Option 1:

This option outlines the requirements for an FRP staircase with stainless steel hardware. The project aims to deliver a corrosion-resistant, durable, and aesthetically pleasing staircase that meets safety and compliance standards while ensuring long-term functionality in the

designated environment.

- Design, fabricate, and install a staircase using FRP materials and stainless-steel hardware.
- Ensure compliance with safety regulations, building codes, and environmental standards.
- Design the staircase to meet safety regulations, building codes, and aesthetic considerations.
- stainless-steel hardware for all fasteners and fittings, adhering to ASTM F593/F593M-21a standards for stainless steel bolts, hex cap screws, and studs.
- Ensure that all fastening hardware is of the same grade of stainless steel to prevent galvanic responses.
- Apply any necessary coatings or finishes to protect the FRP from UV exposure and provide a visually appealing appearance.
- Verify the corrosion resistance of the stainless-steel hardware in accordance with ASTM A380/A380M-21a standards for cleaning, descaling, and passivation of stainless-steel parts.
- Provide documentation of testing results and certificates of compliance.

Option 2:

This option outlines the requirements involved in the replacement of the existing steel staircase with a galvanized alternative in the aquatic environment. It aims to ensure a successful project outcome that enhances both functionality and durability while meeting safety and compliance standards, including adherence to the ASTM A123/A123M-17, ASTM A153/A153M-16a, ASTM D6386-22, ASTM F2329/F2329M-15, and ASTM B117-19 standards.

- Design and fabricate a new galvanized steel staircase to be corrosion-resistant, durable, and suitable for the aquatic environment.
- Ensure that the new design meets local building codes and safety standards.
- Collaborate with a qualified steel fabrication company to design and fabricate the new galvanized steel staircase.
- Coordinate with a certified galvanization facility to apply a protective zinc coating to the fabricated steel components.
- Ensure that the galvanization process adheres to the ASTM A123/A123M-17 standard for zinc coating on iron and steel products.
- Verify that the thickness and quality of the galvanized coating meet or exceed the specified requirements of ASTM A153/A153M-16a.
- Verify the coating thickness and adherence using the magnetic method as per ASTM A123/A123M-17.
- Ensure that all fasteners used in the installation, including bolts, nuts, and washers, adhere to the ASTM F2329/F2329M-15 standard for zinc coating on threaded fasteners.
- Ensure that all galvanized surfaces are properly prepared for painting in accordance with ASTM D6386-22.
- Clean the galvanized surfaces to remove any contaminants that may inhibit paint adhesion.

- Conduct a thorough quality control check to ensure all components are securely in place and the staircase is safe for use.
- Apply any necessary finishing touches, such as anti-slip materials on steps and handrails for added safety.
- Perform salt spray testing in accordance with ASTM B117-19 to validate the corrosion resistance of the galvanized coating.
- Provide documentation of testing results and certificates of compliance.
- Provide the client with documentation related to the installation, including warranties, maintenance instructions, and certifications.