

Engineer's Certification Letter

Date: 10/07/2025

To: City of Miami Beach, Building Department

Attn: Public Swimming Pool Program

Subject: Certification of Pump Performance and Flow Compliance

Pool Description: 15,000-Gallon Commercial Pool

Project Address: Delkus Tower Condominium, 6725 Harding Ave, Miami Beach, 33141, FL

Engineer's Certification Letter

I, Manuel Francis, P.E., a duly licensed Professional Engineer in the State of Florida (License No. 82047), have reviewed the hydraulic characteristics and performance of the circulation system for the above-referenced swimming pool.

The pool utilizes a Century HSQ165, 1.65 HP, 115/230V, single-speed motor coupled to a compatible pump housing designed for continuous-duty commercial operation. Based on the manufacturer's pump curve data and system head evaluation, the installed configuration can maintain a minimum flow rate of 40 gallons per minute (GPM) under normal operating conditions.

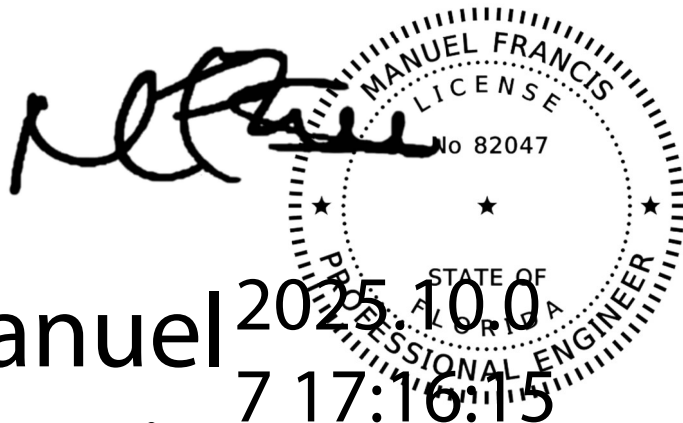
This flow rate provides a complete water turnover within 6 hours or less for a total pool volume of approximately 15,000 gallons, thereby meeting the requirements of Florida Administrative Code 64E-9.007(4) for public/commercial swimming pools.

It is my professional opinion that the pump system as installed provides sufficient hydraulic performance to meet or exceed the minimum turnover and water quality standards required for public pool operation under the Florida Administrative Code.

Certified By:

Manuel Francis, P.E.

Florida License No. 82047



Manuel
Francis
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