



R O T O L O C O N S U L T A N T S I N C O R P O R A T E D

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Project Name: Patio Villa Apartments
Project Address: 3340 Arnoult Street
New Orleans, Louisiana 70002

Owner Name: Apartment Homes by Tonti
Owner Address: 2723 North Hullen Street
Metairie, LA 70130

For: Apartment Homes by Tonti
Date: 6/21/2016

Mr. Brandon Comeaux E.I.,

In response to the letter dated June 10, 2016 regarding concerns to be addressed or clarified within the plan set being reviewed for a pool renovation at Patio Villa Apartments, the following is noted:

1. The completed engineering services permit application form for the project is attached within this letter for ease of reference, as well as included as a separate file.
2. The pool pump has a normal circulation rate of 116 GPM, with 92.8 GPM specifically for the pool return inlets, and 23.2 GPM for the four deck jets. The pool design data table located on sheets G-1.0 and PL-1.1. Should the deck jets flow be redirected, essentially cutting off the water feature, the pump will still recirculate 116 GPM. with the pool receiving 92.8 GPM. Redirection of the water from the deck jets will not appreciably affect the circulation velocities in the pool piping (see water feature piping diagram on plan sheet PL-1.4-01). Two flow meters, one for the pool supply and one for the deck jet water feature monitors for proper flow rates as listed on the plan set.
3. Per LAC.51:XXIV.323.J, construction joints where pool coping meets the concrete deck shall be water tight, and shall not allow water to pass to the ground beneath.
4. No overflow line will be connected in any way to the sewer system. Excess water shall be diverted to the Drain Line / Backwash piping matrix that includes an indirect waste connection employing an air gap. (See backwash detail PL 1.2 - 05)
5. The valving configuration is to provide means of draining the pool and, in addition, valving configurations are a means of trimming the pool hydraulic flow to maintain a correct flow ratio of pool and water feature requirements. The valves also provide a

means of isolating segments of piping to determine locations of possible breaches. Valves in circulation systems are commonly employed for flow control and maintenance. During normal operation, which is 99.9% of the time, all valves remain fixed and water velocities are within tolerance of LAC 51:XXIV.5.3.A. All discharge water velocity for the pool piping does not exceed 10 FPS and suction velocities do not exceed 6 FPS. Turning off the water feature (deck jets) does not appreciably affect pool piping velocities as water to the deck jets is diverted back to the pump. System schematic PL-1.4 - 01 is self explanatory.

6. Manufacture cut sheets for main drain covers, and skimmer equalizer suction covers showing VGB, ANSI/APSP compliance are shown on plan sheet PL-1.4. These cut sheets are readily available on the internet.
7. Main Drain outlet pipe is approximately 7 square inches. Effective Main Drain area is approximately 80 square inches. This is within full compliance of LAC.51:XXIV.511.C.1.
8. The Pool will be outdoors.
9. The pool equipment room is an existing. The existing pool equipment room currently facilitates inside air being exhausted to the outside atmosphere. This will remain in place, and within full compliance of the LAC.51 swimming pool code.
10. The source for chemically treating the filtered pool water will be through use of an inline chlorinator, which can be shown on plan sheet PL-1.4 in the pool schematic.
11. The deck jet flow rate will be controlled via a true union ball valves serving as trimming valves. (See PL- 1.4 - 01) The flow rates for the deck jets and pool will be monitored via a two dedicated flow meters. Once the valves are set, the ratio shall remain constant. Currently the designed flow rate for the entire system is 116 GPM. Deck jets shall utilize a maximum 23.2 GPM, this in accordance with the Letter of Intent from the State Health Officer.

Travis Heathman
Project Coordinator
Rotolo Consultants Inc.

Pc: John Williams, Region I