



**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:                    8/8/2016

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 has a normal flow rate of 92.8 gpm flow rate with or without the deck jets in use. The by-pass multi-port valve redirects the water from the deck jets to the suction side of the pump. The pool design data table located on sheet PL-1.1 reflects the design flow rates of each pipes with each scenario accordingly. Each pool return (floor and wall inlets) can safely operate at the velocities and flow rates listed. A flow meter is dedicated for the inlets and for the deck jets allows for proper flow rates as listed on the plan set. All deck jets and return inlets are shown to distributing filtered and treated water.
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 or storm drainage system.
5. Main drain suction lines are sized at 3" with a maximum calculated velocity of 5.63 FPS, and skimmer suction lines are sized at 2.5" with a maximum calculated velocity of 3.79 FPS. Per LAC.51:XXIV.5.3.A, the water velocity for all return pool piping is not to exceed 10 FPS, and all suction piping for the pool is not to exceed 8 FPS. The pool recirculation system has a total calculated head of 75ft.
6. Manufacture cut sheets for main drain covers showing VGB, ANSI/APSP compliance are shown on plan sheet PL-1.4. There will be no Skimmer EQ lines on this design, and there will be no need for the anti-entrapment suction covers due to not having any EQ lines.

7. With a 3" main drain suction pipe rendering a total open surface area of 9.12 square inches, and each 9 inch square main drain cover having 36.80 square inches of open surface area, each main drain cover exceeds the minimum 36.48 square inches (4 times of the 3" main drain suction pipe) of open surface area and 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 equipment room. 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, shown on plan sheet PL-1.4 in the pool schematic.
11. The deck jets flow rate will be controlled via a throttle valve. The flow rate for the deck jets will be monitored via a dedicated flow meter. The designed flow rate for the entire system is 116 GPM with or without the deck jets. The pool flow rate is 92.8 GPM with or without the deck jets. Deck jets flow rate will be set at 23.2 GPM, which is 20% of 116 GPM in accordance with the Letter of Intent from the State Health Officer Concerning Deck Jets, item #3.

Travis Heathman  
Project Coordinator  
Rotolo Consultants Inc.

**NOTE: RCI has Relocated, and our address has changed.**

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