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Building Plan & Management Group

01 Mar 2017

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Dear Sir/Madam

## ADVISORY ON GOOD PRACTICES FOR THE MAINTENANCE OF INFINITY EDGE POOLS

### Aim

This letter serves as a reminder to the building owners/ MCSTs to carry out regular maintenance of infinity edge pools, especially those pools located along the building edge with long lengths and glass barriers installed as the drain wall.

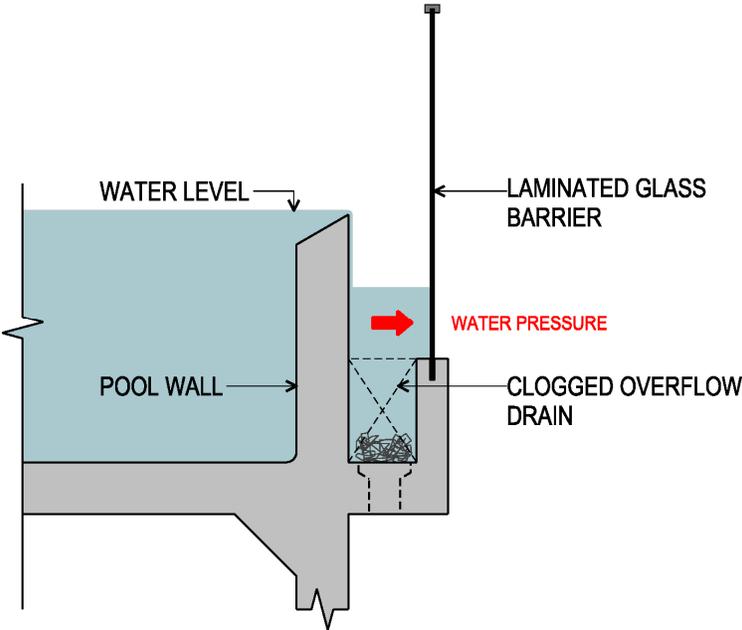
### Regular Inspection and Maintenance

2 An infinity edge pool (also known as and includes negative edge, zero edge, disappearing edge or vanishing edge pool) is a swimming or reflecting pool which produces a visual effect of water extending to the horizon, vanishing, or extending to 'infinity'. Overflowing water falls into an overflow drain that sits beneath the vanishing edge. The water is then collected and pumped back into the main pool.

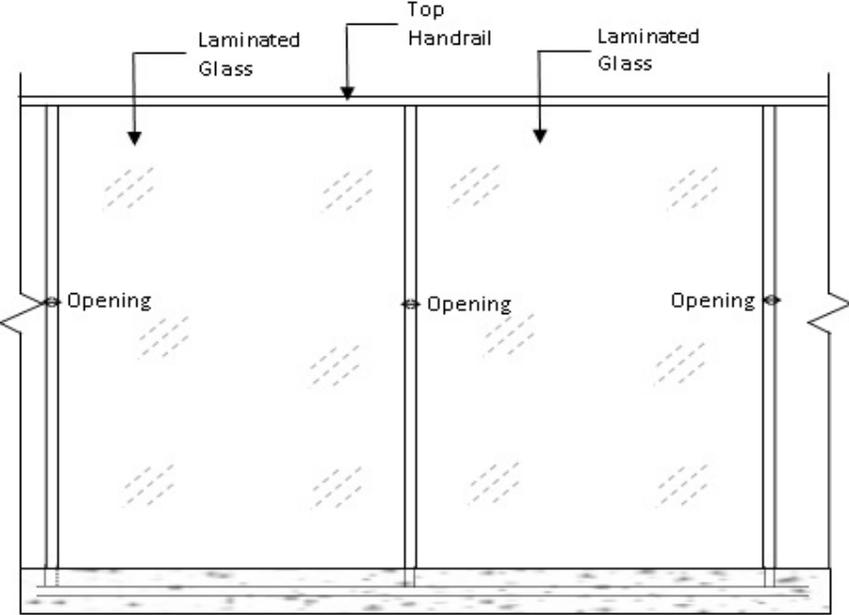
3 For existing buildings with infinity edge pools, we observed that it is a common design that glass barriers are installed on the wall of the overflow drain in order to maintain the 'infinity' effect (see **Figure 1** for illustration). As the glass barriers are designed to protect maintenance personnel from falling off the building during maintenance, these barriers may not be designed to withstand unexpected loading conditions such as the build-up of pressure from large volume of water retained in the drain in the event of failure of the drainage system (see **Figure 1** for illustration)

4 Building owners/ MCSTs are reminded to carry out regular inspection and maintenance to ensure that the overflow drains and pump systems for the infinity edge pools are functioning properly. This is to ensure that the overflow drains are not clogged by foreign objects such as fallen leaves or plastic bags. The building owners/ MCSTs should also ensure that the gaps between the glass barriers, which are intended to allow the overflow of water in the event that the drainage system fails, are not be sealed up or choked (see **Figure 2** below).

5 We would also like to urge MCSTs share this reminder with the subsidiary proprietors who have infinity edge pools within their own boundary of strata lots.



**Figure 1:** Maintenance of Infinity Edge Pool Overflow Drain and Pump System



**Figure 2:** Provision of Opening between glass barriers

## Contact Person for Clarifications

6 Should you need any clarifications, please call our hotline at 1800-3425 222 or by email to: [bca\\_enquiry@bca.gov.sg](mailto:bca_enquiry@bca.gov.sg)

Yours faithfully,



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MCSTs

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