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MEMO

TO: All Building Officials in Miami-Dade County

**FROM: Francisco J. Quintana, R.A., Director
Building Code Compliance Office**

DATE: April 29, 2002

**SUBJECT: BORA Approved Guidelines for the Waterproofing of
Promenade or Plaza Decks, Terraces and Parking Garage Decks.**

The Board of Rules and Appeals at its April 25th, 2002 meeting approved the following guidelines for the installation of waterproofing systems on the subject decks. The subject decks are to be horizontal or sloped, possess a suitable substrate (as detailed in Chapter 5 of the "SWRI Below Grade Waterproofing Manual" 1999 Copyright version), whether located above occupied space or spaces where waterproofing would otherwise be required, and be designed for vehicular and/or pedestrian traffic.

1. The waterproofing system for the subject decks should be specified by a State of Florida Professional Engineer or Registered Architect.
2. The waterproofing system should possess a current and valid Notice of Acceptance. Any waterproofing system for use on the referenced decks, must possess a current and valid Miami-Dade County Notice of Acceptance where the required permit has an application date of January 1, 2004 or later.
3. The waterproofing assembly must possess a Class A or Class B fire rating as required by the Code.
4. If the waterproofing system does not possess a current and valid Notice of Acceptance, the manufacturers published literature for the intended use of the waterproofing system as an entire assembly must be provided, including requirements for ultra-violet resistance, the structural deck, waterproofing membrane, and if applicable any above membrane components such as; protection layer, drainage board, insulation, and overburden or wearing surface.

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5. If an overburden or wearing surface is not to be installed, the waterproofing system must be approved by the manufacturer for use in vehicular and/or pedestrian traffic locations.
6. If any portion of the waterproofing membrane is to remain exposed, the waterproofing system must be ultra-violet resistant.
7. A building permit specifically allowing the installation of the waterproofing system must be obtained.
8. The waterproofing assembly must be designed to comply with the provisions of Chapter 16. If the waterproofing system does not possess a Notice of Acceptance, in situ testing in accordance with TAS 124 must be performed on the entire assembly prior to the issuance of the building permit. Where the overburden is poured in place concrete and this overburden can be designed and shown to comply with the provisions of Chapter 16, testing in accordance with TAS 124 would not be required.
9. The waterproofing system must be installed by a contractor licensed to perform waterproofing and approved/certified by the manufacturer.
10. Flashings must be installed according to the waterproofing manufacturers published specifications.
11. The entire deck shall be flood tested in accordance with the latest edition of ASTM D 5957 to determine the watertight integrity of the waterproofing system prior to the installation of the above membrane components and the wearing surface or overburden. This test is to be performed by the waterproofing contractor.
12. The Building Official must perform an inspection of the waterproofing system during the flood test.

If you have any questions regarding this information, please feel free to call Mr. Michael Goolsby, Building Code Compliance Specialist (Roofing) of my staff at 305-375-2901.