

### 3.1 FIELD QUALITY CONTROL

#### A. Simulated Rain Test:

1. After completion of the four-ply membrane and prior to the installation of the cap sheet, a water test, shall be coordinated with the Owner and conducted by the Contractor in the presence of Owner's representative. The water test shall include the following procedures:
  - a. At the direction of the Owner's representative, apply simulated rain over all roof areas for at least 15 minutes per area, or as otherwise directed.
  - b. In addition to the simulated rain, direct water to all walls, windows, units, penetrations, etc. that occur adjacent to, or within each roof area, using a continuous, unforced hose stream.
  - c. Plug all roof drains and scuppers in each drainage area and allow each drain / scupper sump to be filled to a depth of 3-4 inches. Allow to stand for a minimum of 2 hours.
  - d. Upon completion of water test but before the end of each day, unplug drains / scuppers and insure that water flows freely without restriction. There will be no overnight testing.
  - e. Perform any necessary corrections to defects noted (including the insuring of positive drainage around all curbs, roof openings and crickets to roof drains or scuppers) during or after the water test procedures. Perform additional testing as necessary to further define sources of any noted leakage.
  - f. Contractor shall provide and/or arrange for all necessary equipment, supplies, water, etc. as needed to perform these tests. This may include a water truck with fire hose, if necessary.