**Potential MDC for Green Roofs**

for MDC Team discussion on January 12, 2015

1. SLOPE. The green roof shall have a slope (or pitch) of no greater than 15 percent. A blue roof that is not flat has limited storage effectiveness.
2. MEDIA SPECIFICATION. Green roof media is an engineered media comprised of 80-95% (by volume) light-weight aggregate (LWA) and 5-10% (by volume) organic matter. The maximum organic fraction of the media shall be limited to 10% by volume.
3. MINIMUM MEDIA DEPTH. The minimum media depth for a new green roof shall be 4 inches. If an existing roof is unable to structurally support at least 4 inches of media, then a shallower media depth is acceptable.
4. VEGETATION SPECIFICATION. A vegetation plan for the green roof shall be prepared by a licensed professional who is familiar with green roof vegetation and conditions. ASTM E2400-06 Standard Guide for Selection, Installation, and Maintenance of Plants for Green Roof Systems may be used as a reference. Vegetation may need irrigation during establishment and throughout much of the roof’s life.
5. MAXIMUM WATER STORAGE. The maximum water storage in the growing media per unit area of green roof shall not exceed 1.5 inches.
6. PROTECTION OF ROOF DRAINAGE. Roof drainage features such as inlets, gutters, pipes shall be protected from intrusion by vegetation roots and growing media.
7. CONSTRUCTION PHASING. Green roofs should be the final portion of the roof system installed to prevent excessive trampling of vegetation and compaction of media.
8. SAFETY. Barriers or other safety devices shall be installed to protect people from falling off the roof.
9. While green roofs may be designed to receive some runoff from adjoining elevated roof surfaces.
10. RECOMMENDATION. A waterproof membrane should be installed between the building structure and the drainage layer of a green roof to protect the building structure from leaks