

# Cannon House Office Building Green Roof Demonstration Project Washington, D.C.



**Date Installed:** January 2011  
**Assembly:** Conventional build up  
**Roof Size:** 6,000 sq. ft.  
**System Design:** 3 in. deep extensive, 8 in. deep semi intensive  
**General Contractor:** NORESKO, Inc.  
**Client:** Water Savers LLC.  
**Contractor:** Capitol Greenroofs, LLC  
**Building Owner:** Architect of the Capitol  
**Address:** 283 1st Street Southeast  
Washington D.C., DC 20540

**Above:** 6,000 sq. ft. of green roofs on seven mechanical penthouses installed above the parking garage. The green roofs are not accessible to the users of the building, however it does provide aesthetically pleasing views from inside breaking up the once plain white roof.

**Right:** 4" aluminum perforated edging is being cut to fit around the perimeter of the roof, drains and penetrations. This is to prevent the growing media and plantings from spreading into the non-vegetated area helping ensure good drainage.



**Left:** Two of the roofs received 6" of growing media and 2" of wood mulch and were planted with numerous varieties of native perennials. The rain water from the entire roof is captured and re-used to irrigate the plantings through a network of drip irrigation tubing. The irrigation will initially help the plants get established, but will also help them survive during dry months. Five of the other mechanical penthouses were covered with 1" sedum mats and planted on 2" of growing media. A moisture retention mat was placed over a 1/2" drainage mat creating a lightweight system around 20 lbs./sq. ft.