

DEVENS ENTERPRISE COMMISSION (DEC)

GREEN ROOF INSPECTION REPORT – CHECKLIST

Date _____

Permit No. _____

Upon completion of the installation of the Green Roof the architect or professional engineer shall submit to the inspector the verification that the installation is in conformance with DEC Policy for Construction of Vegetated Roofs Provisions.

Project Name & Location:

Testing:

Immediately prior to Installation of the Green Roof, the Architect or Engineer shall cause to be conducted one of the following leakage testing protocols, and submit a report documenting a successful test, signed by the Architect or Engineer, to the Chief Building Official:

- | | | |
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| <input type="checkbox"/> Flood Test | <input type="checkbox"/> Impedance Test | <input type="checkbox"/> Low Voltage Testing |
| <input type="checkbox"/> Electric Field vector mapping | <input type="checkbox"/> Infrared (IR) Thermal Imaging | <input type="checkbox"/> Moisture Sensors |

Name of Company / Person conducting test:

Date of Test:

Report documenting successful test has been submitted

YES NO

Name of Architect / Engineer submitting report:

Phone No.

INSPECTION:

The design and construction of a Green/Vegetated Roof shall meet the DEC’s minimum requirements for Construction of Vegetated Roofs. Any Green Roof assembly shall, as a minimum, consist of a root repellant system, a drainage system, a filtering layer, a growing medium and plants, and shall be installed on a waterproof membrane of an applicable Roof.

	Yes	No	N/A
A. Green Roof size and location in conformance with approved plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Gravity Loads – the Green Roof gravity loads are as specified by the “ASTM E2397.05 – Standard Practice for Determination of Dead Loads and Live Loads Associated with Green Roof Systems”	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Slope Stability – those roofs whose slopes in excess of 10degrees (17%) that support Green Roof assemblies have incorporated anti-shear measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Parapet Height and/or Overflow Scupper Locations-all parapet heights and/or overflow scupper locations are Installed as per approved Green Roof plans and design.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Wind Uplift-all wind uplift criteria has been incorporated and confirmed by Architect or Engineer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. Fire Safety – vegetation free border zone abutting roof penetrations, intersecting walls, parapets, upturns or mechanical equipment is installed as required.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. Occupancy and Safety – Architect or Engineer confirmed that measures have been taken to assure occupancy Safety if the use of the roof is to be made accessible to the public.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
H. 1) Waterproofing – installation of a root barrier has been installed in the vegetated roofing system area is.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2) Waterproofing – Architect or Engineer shall confirm that one of the leakage tests was carried out and a report submitted documenting a successful test.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I. Drainage – all the required drainage has been installed as per the submitted Green Roof Design.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
J. Water Retention – the required water retention mats or equivalents materials have been employed as required to Promote vegetation growth.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
K. 1) Vegetation Performance – growing medium is at a minimum 100 mm, or report has been provided confirming that the engineered system as designed provides plant survivability:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2) Report submitted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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| L. 1) Plant Selection – the vegetation used on the Green Roof does not include any invasive species as defined in Mass Audubon list of invasive species. | — | — | — |
| 2) Plant selection designed to cover not less than 80% of the vegetated roof within three years of the planting. | — | — | — |
| M. Irrigation – the designed irrigation system has been installed and is functional for its intended purpose – to initiate and sustain the vegetation during the service life of the Green Roof. | — | — | — |
| N. Maintenance Plan – Architect or Engineer shall confirm that a copy of the approved Maintenance Plan has been provided to the building’s maintenance office/building’s operations group for their records and actions as required. | — | — | — |
| O. Green Roof Professional (GRP) shall be a member of the Design and Construction Team | — | — | — |

Designer Information

Architect/Engineer Name	Company Name
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Street Address

City	State	Zip Code	Phone
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Final Inspection

Based on periodic inspections and the leakage test undertaken I/we are confirming that the Green Roof construction has been undertaken in accordance with the DEC Policy for Construction of Vegetated Roofs. In addition the required Maintenance Plan for the Green Roof has been submitted to the building’s operations group.

Print Name	Signature	Date
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