

MISSION CRITICAL GREEN ROOF CASE STUDY



Introduction

Green roofs have many benefits at economic, ecological and societal levels. A Green roof provides a rainwater buffer, purifies the air, reduces the ambient temperature, regulates the indoor temperature, saves energy and encourages biodiversity in the region. Green roofs are part of climate-proof construction and at MOY we have the experience and expertise in delivering green roof solutions to mission critical facilities.

MOY offers a range of green roof finishes suitable to both extensive and intensive applications. These systems are selected, designed and installed in close collaboration with the relevant stakeholders in the project including Clients/Building Owners, Architects and Engineers, Main Contractors and Sub Contractors.

MOY combine the planting scheme and its component parts with our range of high performance mission critical waterproofing system solutions. We provide full system warranties offering total peace of mind for all stakeholders.



Completed Sedum Roof installed to mission critical facility, Dublin, Ireland



BENEFITS OF GREEN ROOFING



MOY Green roofs don't just enhance the appearance of the roof area by making the roof area more aesthetically pleasing, they have a number of other benefits that clients / building owners and designers can consider for different key geographic regions. Some of these include the following:

- Providing a rainwater buffer (Blue Roofing)
- Purifies the air
- Reduces the ambient temperature
- Increases solar panel efficiency
- Reduces ambient noise outside and inside
- Extends life span of roof
- Adds value to the building
- Increases biodiversity
- Moy Green Roofs can be designed to sequester carbon in specially selected plants and growth media to maximise the carbon offset of the building



*Please visit the following link for photographs and information on completed MOY Extensive and Intensive Green Roof Systems.



"United in diversity"

MOY works in a number of territories across the globe and works to ensure its systems have been tested, approved and certified by the official bodies ensuring peace of mind and confidence.



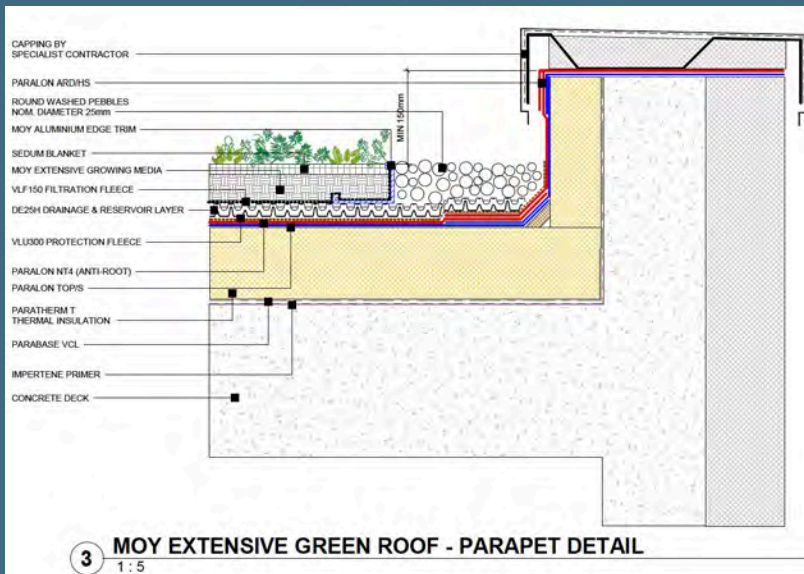
Completed Project



The Data Centre build just outside Dublin involved MOY collaborating with the client, their design team, main contractor and roofing installer on the design and specification of the extensive green roof which would best fit their architectural vision. The Green Roof was installed over a MOY Paraflex FM Global approved Warm Roof System using Paratherm T 120mm insulation board and an antiroot cap sheet. The roof was finished with sedum blanket over the MOY green roof build up.

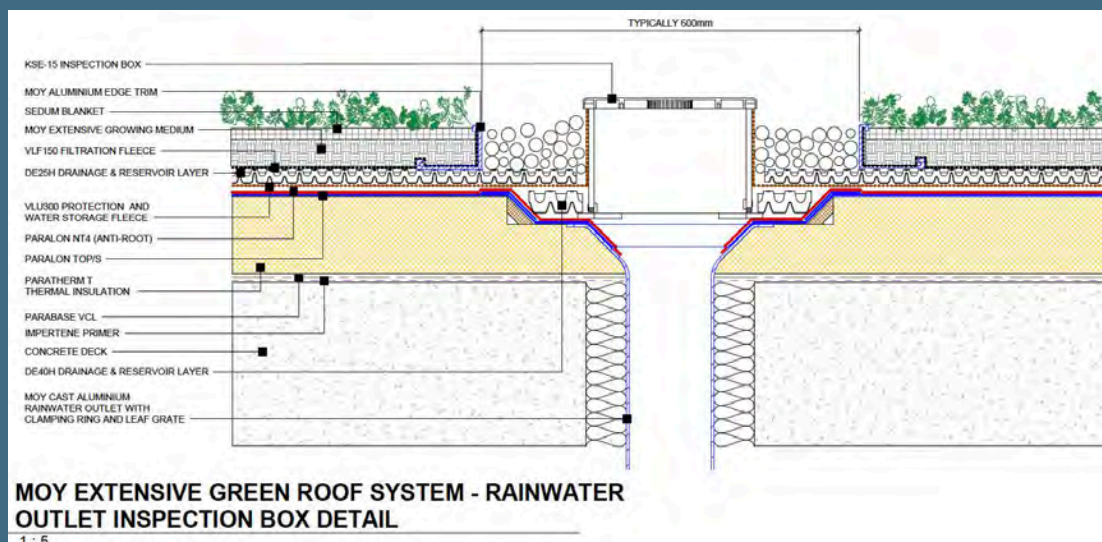


(Completed Data Centre Green Roof area)



Design Assistance

Correct specification is critical for successful waterproofing. MOY will issue detailed specifications for mission critical green roof systems, taking particular note of project specific issues and details. We can offer specifications in both standard form and also in N.B.S. formats from our technical teams in Ireland, the UK and Europe. With hands on experience relating to mission critical waterproofing systems, we can offer advice in a friendly and knowledgeable fashion.



"Building design is a collaborative process harnessing the creativity of solution driven professionals across a range of disciplines. To this process, Moy bring four decades of technological advancement with the highest standards in compliance, to deliver added value and Net Zero strategising to projects globally. Creating Roof Systems which advance your sustainability targets and delivering with exemplary customer service". Brian Conroy Global Technical Director

Please contact us for further information on any of the projects

<https://moymaterials.com/green-roofing/>

CPD Presentations

MOY are providers of CPD presentations approved by the RIAI and the RIBA. Our presentations usually take place over lunchtime and can be held in the office F2F or virtually. The presentations that are available include 1) Mission Critical roofing 2) Achieving Zero Leaks 3) Green Roofing and 4) What's next in flat roofing; each presentation concludes with a question and answer session.

The most successful engagements have been when we tailor the presentation to the types of projects or build that the practice is engaged in dealing specifically with issues/ challenges that might be occurring or that can or may arise.

Building Information Modelling

Building Information Modelling is taking the design and construction industries to a new level of sophistication. We are constantly improving our BIM objects and BIM services for our FM Global systems and our intensive and extensive green roof systems.

Other Projects Completed

Extensive Green Roof Systems



Intensive Green Roof Systems



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