



# RECOVER

GREEN ROOFS / DESIGN BUILD



**“A building should consume its own waste, maintain itself, match nature’s pace, provide wildlife habitat, moderate climate and weather, and be beautiful.”**



**MALCOLM WELLS**



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# Types of Green Roof Systems

Various green roof systems require certain prerequisites and provide unique benefits.



**EXTENSIVE**

The least expensive and lightest system, extensive roofs use < 6 in. of growing media. Drought-tolerant sedums are commonly used as they can grow in just 1 in. of soil, and the system can weigh as little as 8 lbs. per square foot. After a temporary irrigation system is installed during plant establishment, extensive green roofs may not require irrigation.



**INTENSIVE**

With a media depth > 6 in., intensive systems can support a wider variety of plant species such as grasses, shrubs, trees, and vegetables. This type of system is heavier and more expensive than an extensive roof, but has the highest capability to mitigate stormwater runoff and insulate a building for cooling benefits.



**FOOD ROOF**

Food roofs are an innovative way to bring agriculture to densely populated cities. Custom designed to perform within the constraints of individual buildings, rooftop farm systems come in a variety of shapes and sizes, and include built-in-place, modular, and greenhouse systems.



**HARDSCAPING & AMENITIES**

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Hardscaping adds versatility and complexity to green roofs. We install a wide variety of features including pavers, curbing, cast-in-place concrete, custom metal fabrications, custom woodworking, planters, hardwood decks, masonry, and outdoor kitchen amenities.

*Please contact us for pricing:*  
[info@recovergreenroofs.com](mailto:info@recovergreenroofs.com)  
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# Steps to a Green Roof

In order to realize the benefits of green roofs, we assist building owners in navigating three preliminary steps:



# 1

## Loading Capacity

We work with a structural engineer to assess the amount of weight a building can support both during and after construction.



# 2

## Waterproofing

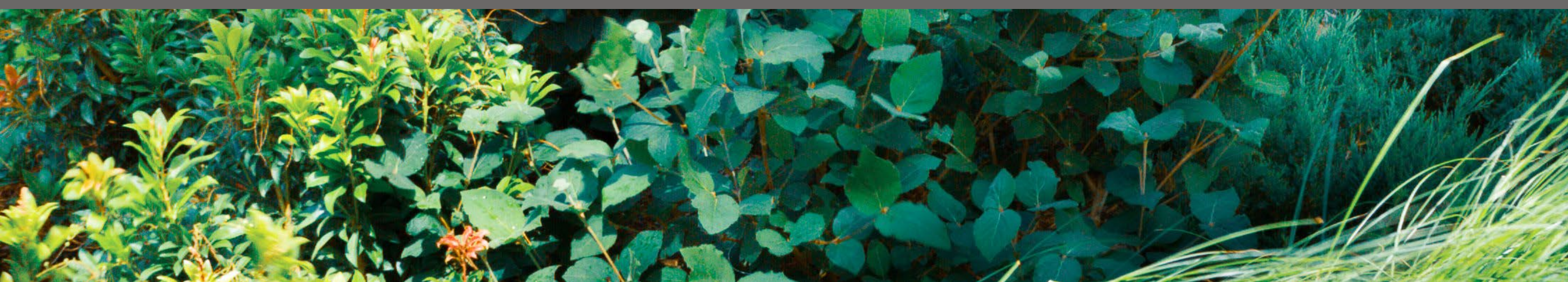
A watertight roof membrane is a necessary foundation for all green roofs. Ideally, a green roof is built on top of a new roof or one that is less than 5 years old.



# 3

## Accessibility

Any occupied roof must have proper egress and railing systems in compliance with local regulations and current OSHA standards.



# Our Services

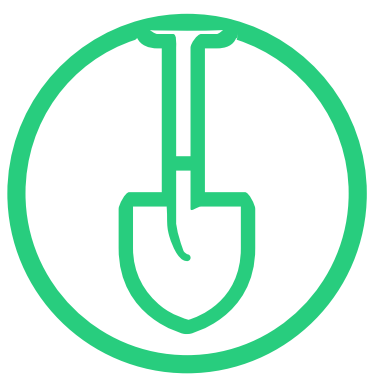
We work with engineers, architects, general contractors, roofers, and manufacturers to design, build, and maintain purposeful systems that meet client objectives and last a lifetime.



## DESIGN

Our design-build team collaborates with clients and design professionals to realize their visions, bringing projects from concept to completion. Design services include:

- \* Illustrative renderings
- \* Shop drawings
- \* Quantity takeoffs
- \* Estimates
- \* Product samples
- \* Smart irrigation systems
- \* Value engineering
- \* Waterproof membrane consultations
- \* Indoor hydroponic system design
- \* Zoning analysis and permitting



## BUILD

Our crew of build experts are fully licensed, insured, and certified to build the highest quality green roof and living wall systems available. Strong communication and coordination between trades enables our builders to stay on schedule and within budget. Build services include:

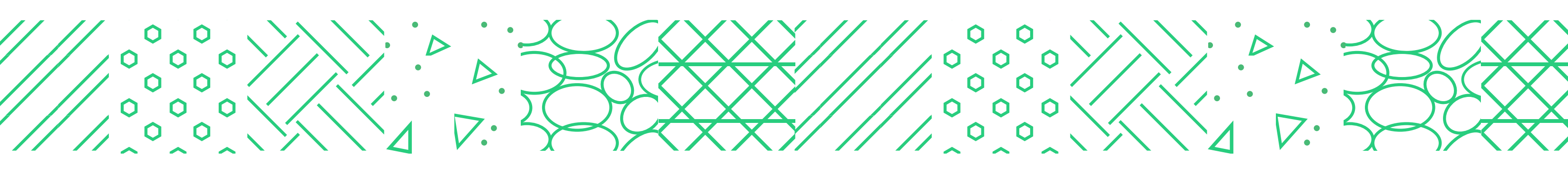
- \* Material sourcing
- \* Crane and lull rental
- \* Material conveyance
- \* Full green roof/wall installation
- \* Irrigation system installation
- \* Hardscape, decking, and masonry
- \* Watertight assessments and testing
- \* Greenhouse and indoor hydroponic system construction



## MAINTAIN

Proper maintenance is essential for the vitality of green roof systems. All of our projects come with a plant warranty and a low-cost, renewable maintenance contract specifically designed to meet the needs of the system. A typical one- or two-year maintenance contract includes the following services during scheduled visits:

- \* Soil nutrient testing
- \* Weed removal
- \* Vegetation replacement
- \* Organic slow-release fertilization
- \* Winterization
- \* Component inspections:
- \* irrigation, waterproof membrane, drains, flashing, edging
- \* Green wall and indoor hydroponic system operation



**At Recover, our holistic design-build approach is rooted in genuine building knowledge; our designers are builders, and our builders are designers.**



Recover Green Roofs is a design-build firm specializing in the construction and maintenance of comprehensive rooftop gardens, farms, and terraces. We service residential, commercial, and municipal buildings in Boston, New England, and beyond.

We are a dedicated group of accredited Green Roof Professionals, horticulturists, designers, craftsmen, irrigation specialists, and field crew technicians who take pride in constructing green roof projects that stand the test of time.

