From warehouse roofs to the tops of office buildings, the rooftop agriculture industry is blossoming. Two of the movement's leaders will dig into rooftop agriculture methodologies, case studies, and integrated design-build approaches.

This presentation will establish how designers, contractors, and caretakers can collaborate effectively to develop this wholesome, urban infrastructure.

**Eagle Street Farm**, Greenpoint, NY
6,000 sq ft

**Lufa Farms**, Montréal, Canada
31,000 sq ft
Brendan Shea, GRP
Owner, Recover Green Roofs, LLC

Brendan’s career is grounded in over ten years of experience in the design and installation of innovative, onsite wastewater treatment systems. His projects include design and installation of indoor greywater recycling and aerobic blackwater treatment systems, which address structural support, system integration, waterproofing, drainage and plant vitality — the fundamentals of green roofs. His natural transition into the green roof industry allows Brendan to combine his passion for plants with his knowledge of water engineering. At Recover Brendan has overseen various green roof projects ranging from rooftop university plazas to a ½ acre roof farm located above a Whole Foods Market.

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Lauren Mandel, MLA, ASLA
Project Manager and Rooftop Specialist, Roofmeadow

Lauren Mandel is a Project Manager and Rooftop Agriculture Specialist at the Philadelphia-based green roof firm Roofmeadow. She holds a Master of Landscape Architecture from the University of Pennsylvania and has worked as a landscape designer at Wallace Roberts & Todd, LLC and Mithūn. Lauren has been involved in the design and/or construction oversight of over 40 green roofs throughout the Americas. She authored “EAT UP | the inside scoop on rooftop agriculture” (New Society Publishers, 2013), the first full-length book about rooftop food production, and writes for Urban Farm and Grid magazines. Visit eatupag.com for more information.

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Presentation Outline:

Rooftop Gardens + Farms (mentioned in talk):
- Brooklyn Grange (Queens, NY / Brooklyn, NY)
- Eagle Street Rooftop Farm (Brooklyn, NY)
- Gotham Greens (Brooklyn, NY)
- Graze the Roof (San Francisco, CA)
- Higher Ground Farm (Boston, MA)
- Lufa Farms (Montreal, QC)
- Noble Rot (Portland, OR)
- Sand Residence (Philadelphia, PA)
- The Fairmont Waterfront (Vancouver, BC)
- The Ledge Kitchen & Drinks (Dorchester, MA)
- Uncommon Ground (Chicago, IL)
- Whole Foods Market (Lynnfield, MA)

Technical Coordination Considerations:
- Weight Loading
- Roof access
- Fall protection
- Water hookup / stormwater reuse
- Penetrations
- Flashing heights
- Drains / scuppers
- Waterproofing warranties
- Conveying materials to the roof
- Compatibility with rooftop equipment

Learning Objectives:

- The current state of rooftop agriculture in North America.
- Agricultural methodologies that are most frequently (and successfully) implemented on North American roofs.
- Balancing the objectives and responsibilities of rooftop farm designers, contractors, and growers.
- Identify what people and businesses are taking part in the rooftop agriculture movement and why.
- In depth case study of design, installation, and farming of a ½ acre roof farm located above a Whole Foods Market in Lynnfield, MA.