READY TO INSPECT — FIELD CHECKLIST

Vegetated (green) roof rough-in inspection checklist

Vegetated (green) roof rough-in is the last time the work is fully visible. Once the cover inspection passes and the walls, ceilings and slabs close, every defect left behind becomes a demolition bill. This checklist walks the rough-in in the order the work goes in, with the photo each item needs before it gets buried. Work is commonly verified against manufacturer's published instructions, the applicable building code. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The green-roof installer's foreman with the roofing contractor, and the GC's superintendent witnessing the flood test. When: After the roof membrane is complete and its flood test passes, and before growing media is spread. Once overburden is on, none of these layers can be seen again without tearing the roof apart.

Roof access and staging

- [ ] Walk kept inside the site's fall protection plan
  Guardrails, warning lines or tie-off points in place at the edges and openings of today's work area before stepping onto the roof, per the site's fall protection plan.
  No photo required

- [ ] Staged pallets set within the roof load and off bare membrane
  Media, board and paver pallets placed where the structural drawings or the staging plan allow, on protection boards, never piled mid-span or rolled over exposed membrane.
  1 photo required

Membrane and flood test

- [ ] Membrane flood test witnessed and passed before overburden
  Roof flooded to the specified depth and held for the required duration, no drop and no leaks reported below, held before any green-roof layers go on.
  3 photos required

- [ ] Membrane surface accepted clean and undamaged
  Membrane free of punctures, debris and standing sharp material, roofing contractor's signoff in hand before covering.
  1 photo required

- [ ] Electronic leak-detection grid left in place where the design uses one
  Where the design calls for permanent electronic leak detection, the grid or sensors are installed per the maker, with test leads labeled and reachable before overburden goes on.
  No photo required

Barrier and drainage layers

- [ ] Root barrier continuous with sealed laps and upturns
  Barrier laps to the specified width, upturned and terminated at walls, curbs and penetrations, no gaps at corners.
  2 photos required

- [ ] Protection and drainage layer and board placed
  Protection layer over the barrier, drainage board or mat oriented the correct way up and lapped, continuous to the drains.
  2 photos required

- [ ] Barrier, protection and drainage roll labels match the submittal
  Roll tags and board labels read on site against the approved green-roof submittal: product names and thicknesses, no substituted drainage core.
  1 photo required

- [ ] Filter layer continuous so media can't reach the drainage core
  Filter fabric over the drainage layer lapped per the manufacturer's instructions and turned up at borders and curbs, no torn or open seams for fines to wash through.
  1 photo required

Drains and edges

- [ ] Drain access and inspection ports set and reachable
  Inspection chambers over each drain, ports positioned so a drain can be reached after planting, not to be buried by media.
  2 photos required

- [ ] Edging and borders installed at perimeters and penetrations
  Vegetation-free edging or gravel borders set at parapets, curbs, drains and penetrations per the layout, before media is spread against them.
  2 photos required

- [ ] Vegetation-free zone widths taped against the drawings
  Border width measured at drains, parapets, walls and penetrations and matched to the dimension on the green-roof drawings, not narrowed to gain planted area.
  1 photo required

- [ ] Irrigation lines and sleeves placed before media is spread
  Where the design has drip or subsurface irrigation, lines laid on the layer shown, sleeved through borders and curbs, and the supply point marked, before media covers them.
  No photo required

Before media is spread

- [ ] Media supersack tags match the approved mix
  Tags or delivery tickets on the bags on the roof read against the approved growing-media submittal, mix name and supplier matching, no blended or substitute loads.
  1 photo required

- [ ] Media saturated weight report matches the structural design
  Supplier's lab report for this media on file, its saturated weight at or below the value the structural drawings assumed for the green-roof load.
  No photo required