

Hydroponics (NFT) - Sample BOM (Public Version)

Category-level scope overview (non-proprietary). Final sizing provided in the Design Package.

Public Version Rules

- Category-level only (no proprietary setpoints or recipes).
- No supplier pricing, margins, or vendor list.
- Final parts and exact sizing are confirmed in the Design Package after site review.

Modules & Typical Categories

Space Module (Water-Safe Layout)

- Water containment/drain approach (site-dependent).
- Service access and routing plan (plumbing + electrical safety zones).

Environment Module (Airflow & Moisture)

- Air movement category to reduce disease pressure.
- Optional dehumidification category (site-dependent).

Growing Module (Channels / Racks / Lighting)

- NFT channel category sized by plant sites.
- Racking/frame category with expansion planning.
- Lighting category for target crops.
- Filtration/straining category to prevent clogs.

Control Module (Monitoring Workflow & Verification)

- Monitoring workflow category (EC/pH process).
- Calibration tools category.
- Commissioning verification tests category.
- Electrical load planning category (local install).

Client / Contractor	<ul style="list-style-type: none">• Plumbing and drainage where needed.• Structural mounting and room modifications.
Our Team	<ul style="list-style-type: none">• Plant-site sizing and layout.• Monitoring workflow and commissioning checklist.• Optional procurement coordination (package-dependent).
Licensed Electrician	<ul style="list-style-type: none">• High-voltage installation and wet-area compliance.

Commissioning & Acceptance (High Level)

- Verify flow consistency across channels.
- Verify safe electrical layout and load planning.
- Verify monitoring workflow readiness (calibration process).
- Handoff: operator checklist and maintenance schedule.

Want the quote-grade BOM sized to your plant sites and room? Book a consultation to receive a site-specific Design Package.