

## FACTSHEET

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### NEDLAW LIVING WALLS – SYSTEM REQUIREMENTS

- The main requirements to support the installation and ongoing operation of a NEDLAW Living Wall include water, power, light, air handling and finishings.
- All plants, including those in a NEDLAW Living Wall need water to survive. Water must come into the plants and must also be drained and taken away.
- Water is recycled and re-circulated through the wall by a water pump that is part of the NEDLAW Living Walls system.
- Power is required to support the biofilter system that is part of NEDLAW Living Walls. Specifically, power is required to support the biofilter fan, pump system and supplemental lighting.
- There are three options for air handling associated with a NEDLAW Living Wall system. They are: independent air handling; independent air handling with distribution; and integration into the building's air handling system.
  - Independent air handling – in this instance, clean air generated by the NEDLAW Living Wall is not connected to a central air system. Although air is actively drawn through the NEDLAW Living Wall by its fan system, the clean air relies on diffusion and natural air flow within the space to be distributed.
  - Independent air handling with distribution – although the NEDLAW Living Wall is not connected to a central air system, it uses a built-in fan system and custom duct system to distribute clean air throughout the space.
  - Integrated into air handling system – clean air from a NEDLAW Living Wall is distributed throughout the building's air handling system.
- Finishings in the areas around a NEDLAW Living Wall system should take into account the fact that, like any other botanical systems, NEDLAW Living Walls generate some humidity.