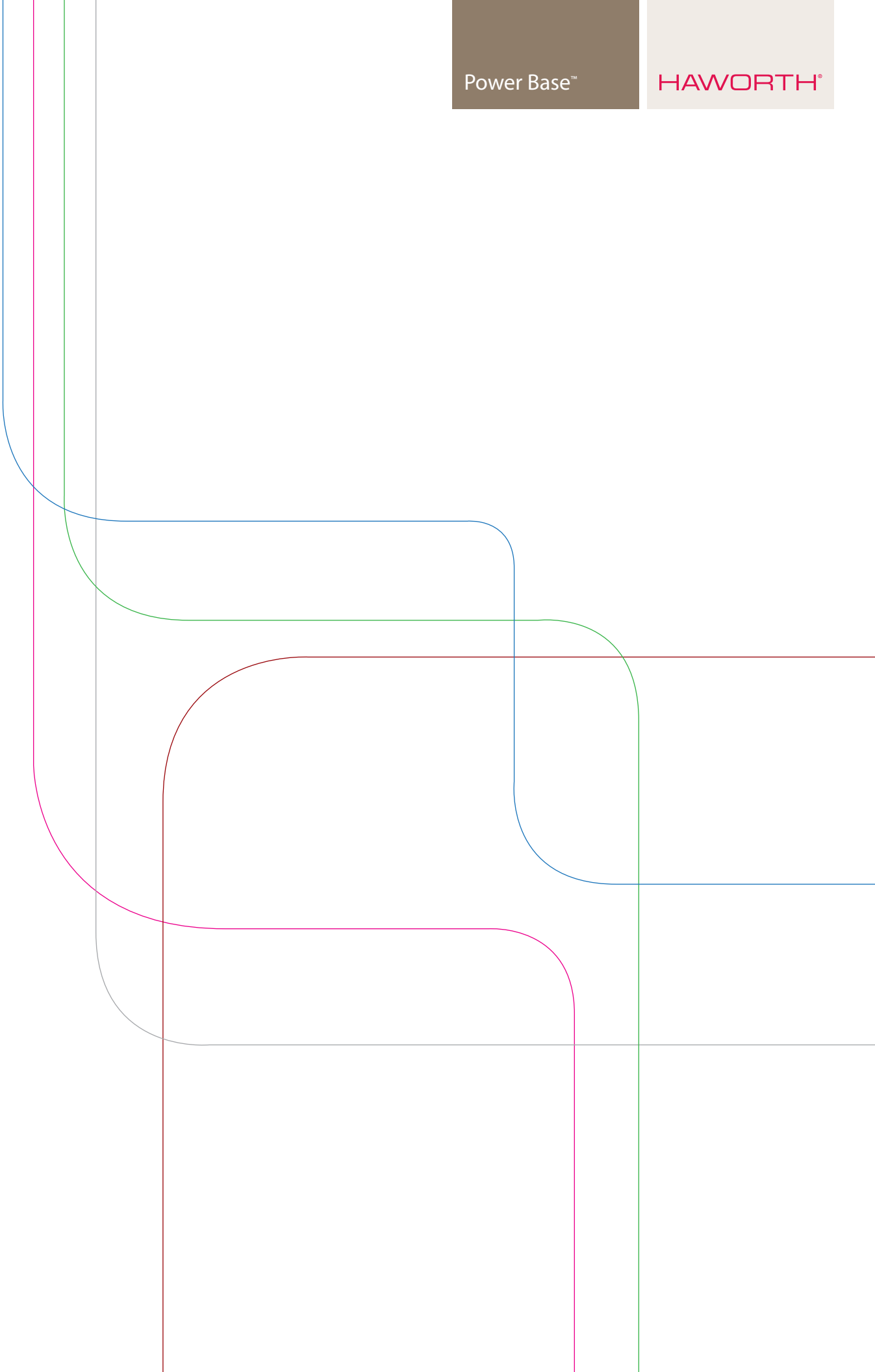
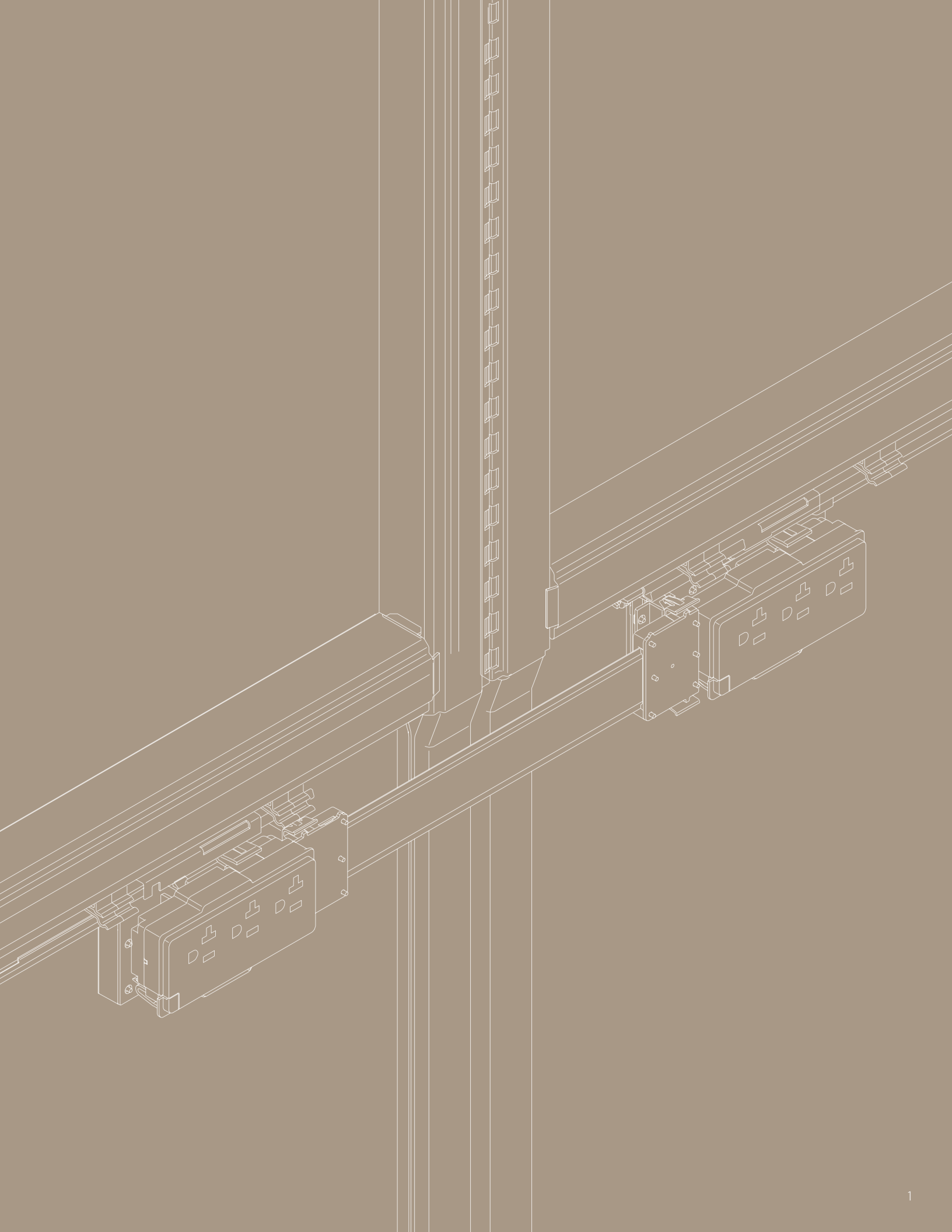


Power Base™

HAWORTH®





## Power. When and where you need it.

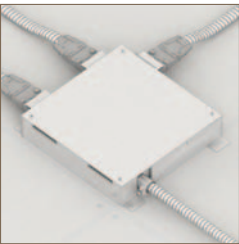
Power Base is the only modular electrical system that delivers seamless plug-and-play power from the closet to the desktop. It's also the only system backed by a solid history of innovation and reliability.

After all, it was Haworth that pioneered the first modular power solutions for use in systems furniture more than 30 years ago. Today, this industry-leading product line has evolved into an integrated power delivery platform that provides both three- and four-circuit solutions for every workspace application, including freestanding and systems furniture, moveable walls, access floors, and ceilings.



# Power Base AI

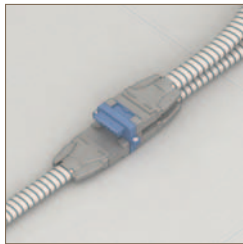
Part of the Power Base family of solutions, Power Base AI is designed specifically for architectural applications. Unlike other electrical systems rated for underfloor or ceiling use, Power Base AI uses just four components, making even large and complex applications easier to plan, install, and maintain. And every component is reusable, so there's virtually no waste, and the system can be changed or expanded at any time.



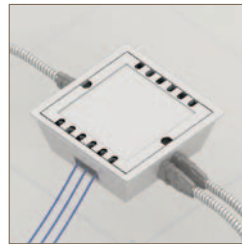
**1 Zone Distribution Boxes** provide the transition from a building's electrical system to Power Base AI's modular power distribution system. Available in three configurations — with one 8-wire port, two 8-wire ports, or three 8-wire ports — to easily accommodate a range of power densities.



**2 Jumpers** connect Zone Distribution Boxes, Service Modules, Splitters, and Infeeds for Haworth furniture and walls. Available in lengths from 5 to 50 feet, Jumpers provide plug-and-play connection between all of the system components.



**3 Splitters** are small connector blocks that connect up to four Jumpers and allow the branching of power anywhere in the system. Splitters also enable lean and agile layouts that keep first costs low while maintaining flexibility.



**4 Service Modules** provide in-floor power and voice/data access and are available in quad and dual receptacle configurations. All Power Base AI Service Modules offer Haworth's patented snap-in receptacles, which allow quick change of circuit assignments and minimize the number of components in inventory.



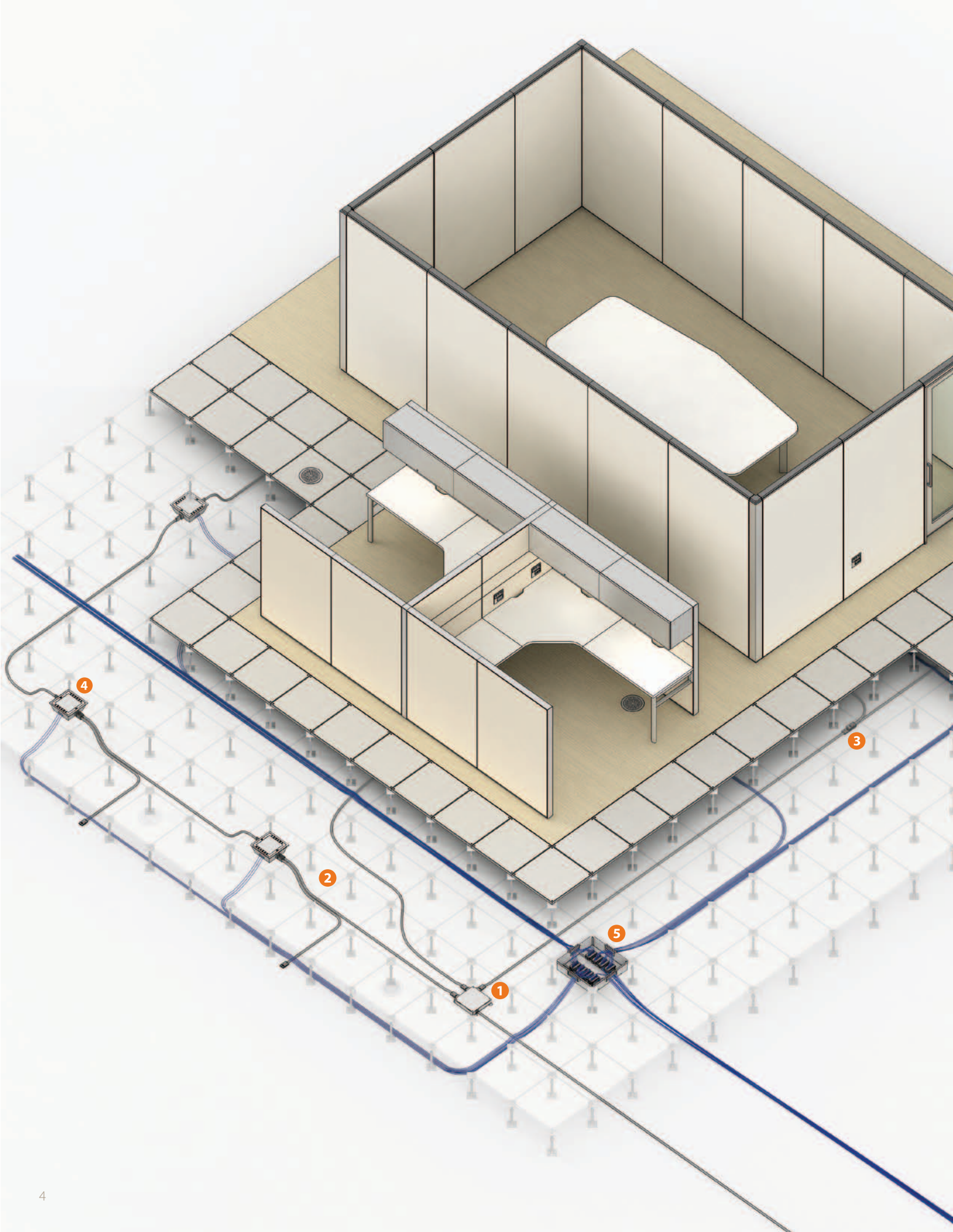
**5 Power Base Voice & Data Zone Distribution Box**

## Power Base Voice & Data

Power Base Voice & Data solutions include zone box housings and service outlets compatible with all brands of premise cabling products, allowing Haworth to integrate with any existing IT standard.

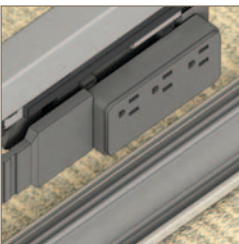
Haworth can also provide a Haworth cabling solution using the Power Base Voice & Data Pre-Terminated Zone system, which offers a range of multi-port zone boxes and pre-terminated, pre-tested cabling, as well as data closet components. It's a zone-based, plug-and-play cabling system that installs fast and reconfigures even faster. Here are a few more Pre-Terminated Zone advantages:

- Arrives factory pre-tested and pre-terminated, limiting on-site labor and accelerating installation.
- Offers 100% reusability and virtually no waste.
- Exceeds TIA/EIA and ISO standards.
- Manufactured for Haworth by ADC, a world leader in structured cabling solutions.

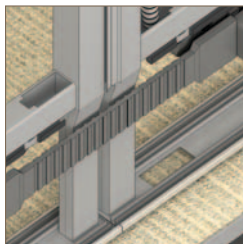


# Power Base

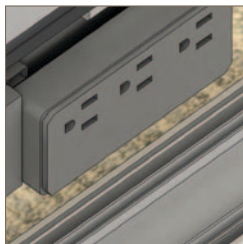
The original Power Base system is used in Haworth's furniture and moveable walls. Power Base is an unsurpassed solution when you need quick circuit access, flexibility, durability, ease of management, and dedicated circuitry. Unlike other off-the-shelf systems, Power Base is designed and manufactured by Haworth, for Haworth. That's why, as part of Haworth's overall commitment to sustainability, Power Base is PVC free.



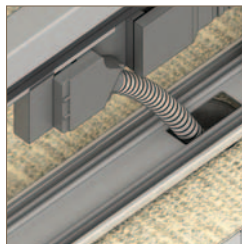
**1 Power Distribution Assemblies (PDAs)** are the heart of Power Base. Built into Haworth walls, panels, and tables, or quickly retrofitted in the field, these proven electrical components have a 25-year track record. And, all Haworth PDAs are non-handed for unrestricted component placement.



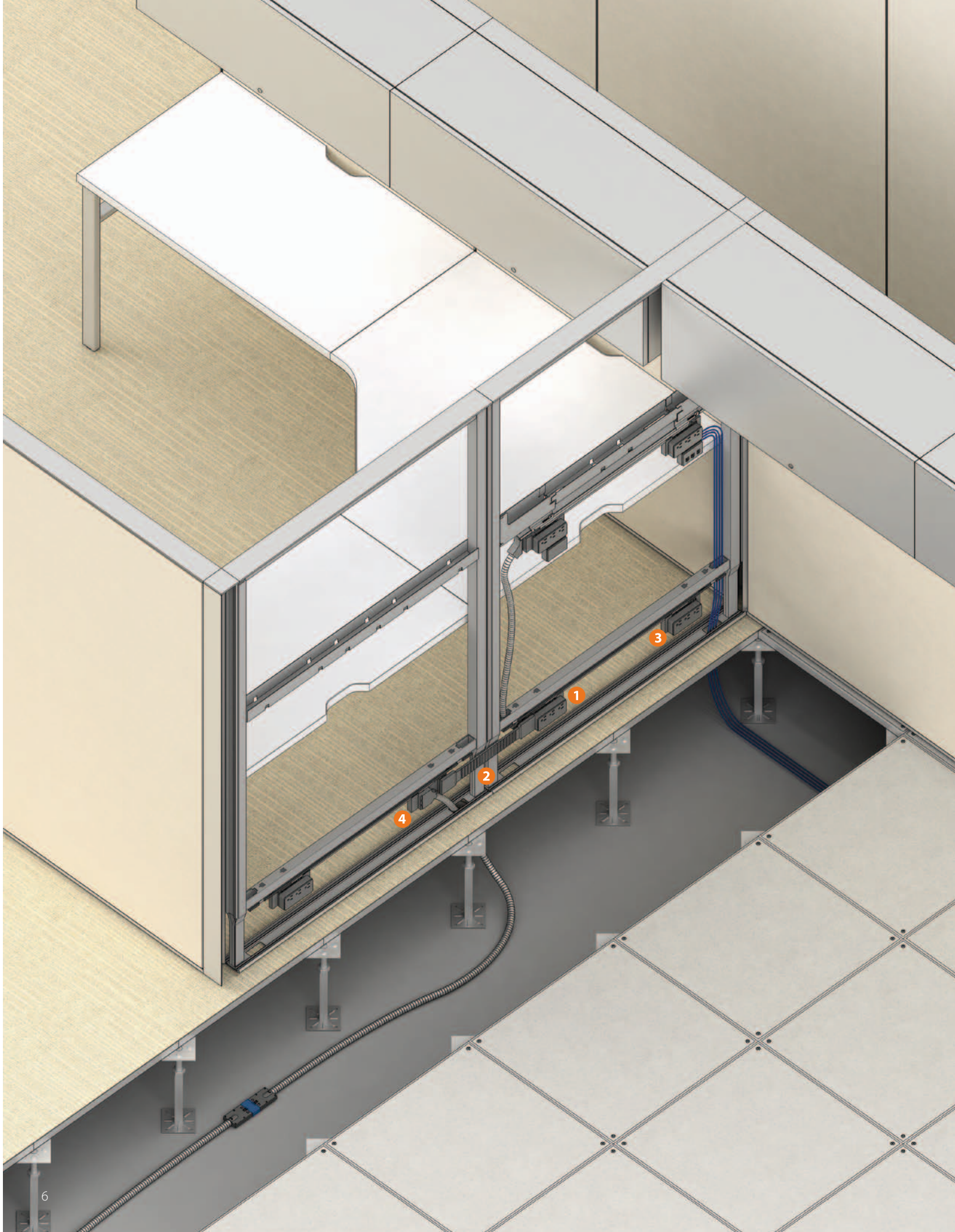
**2 Flexible Connectors** tie PDAs together. They are included with all powered panels. These plug-and-play connectors are keyed and color coded to distinguish the various circuit options and prevent wiring errors.

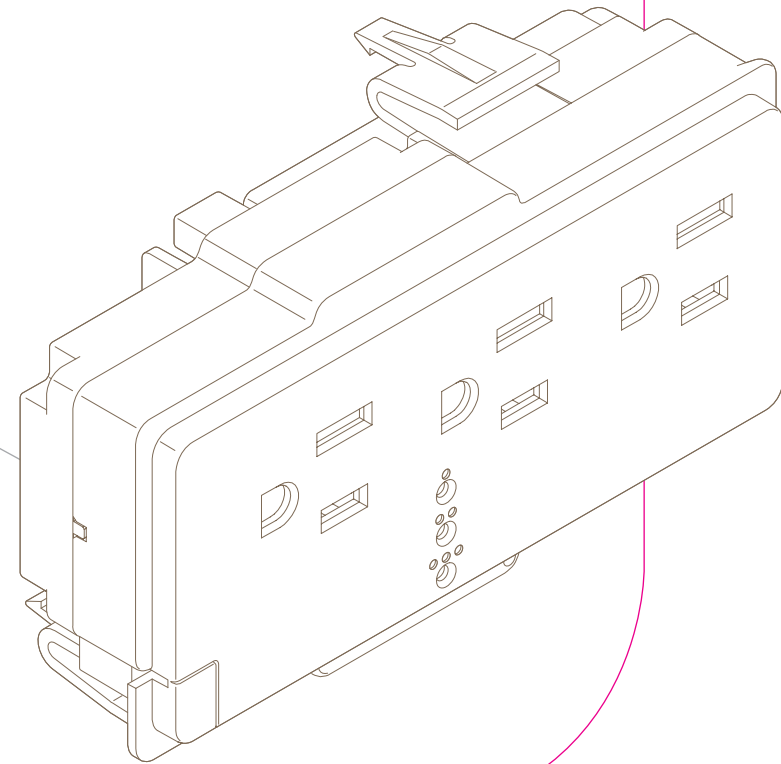


**3 Receptacles** with programmable circuit assignments are a Haworth innovation. They are designed for maximum flexibility, and they minimize the investment in spare parts inventory.



**4 Infeeds** can deliver power via a floor box, underfloor or ceiling system, or power tap in a wall or column. Haworth's systems can be connected to building power through traditional fixed wire and conduit, but are most adaptable when connected through floor- or ceiling-based Power Base AI.

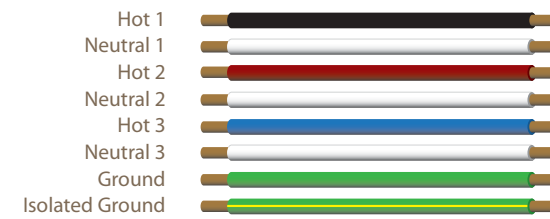




## Choosing a 3- or 4-Circuit Design

Haworth's Power Base is available in both 3- or 4-circuit configurations, making it easier to adapt to specific user needs and building electrical systems. To assure safety, Power Base connectors are color coded, labeled, and keyed to prevent connection between incompatible circuit configurations.

It's important to understand the advantages and disadvantages of each circuit configuration before choosing either 3-circuit or 4-circuit. The guide on the facing page is meant to help you make an informed decision based on your application.



### 3-Circuit/Separate Neutrals

This option provides 3 circuits, each with its own neutral. Here's what to consider:

- Aligns with the 3 phase national power grid and most North American buildings.
- Is compatible with the following building power configurations:
  - › 3 phase (208Y/120V)
  - › Three wire single phase (120/240V)
  - › Single phase (120V)
- Offers the most adaptability to special power needs such as:
  - › multiple power sources
  - › facility energy control
  - › isolation of high harmonic loading
- Features receptacles with patented on-site circuit access programmability (available only on Power Base for furniture).
- Offers receptacles in common ground or isolated ground configurations.



### 4-Circuit/2+2

This option provides 4 circuits, two circuits share neutral #1, two circuits share neutral #2. Here's what to consider:

- Provides more circuits (4 vs. 3) for each homerun from the electrical closet, which can reduce the installed cost per circuit.
- Is compatible with the following building power configurations:
  - › 3 phase (208Y/120V)
  - › Three wire single phase (120/240V)
- Is sometimes less adaptable to special power needs such as multiple power source or facility energy control.
  - › Special power needs are typically planned in sets of two circuits
  - › In some cases, 10 gauge shared neutral may not fully isolate circuits
- Modular receptacles have fixed circuit access.
- Offers receptacles in common ground or isolated ground configurations.



### 4-Circuit/3+1

This option provides 4 circuits, three circuits share neutral #1, circuit #4 has a separate neutral. Here's what to consider:

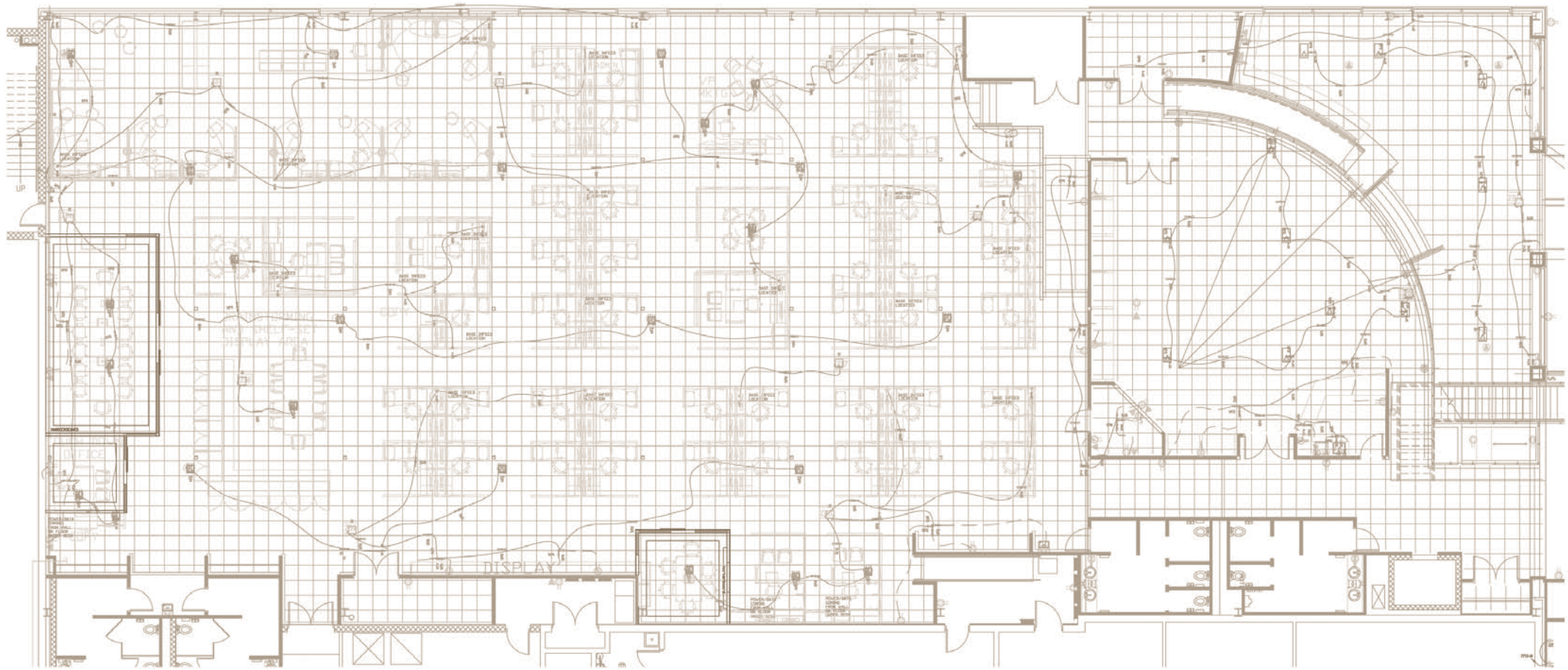
- Provides more circuits (4 vs. 3) for each homerun from the electrical closet, which can reduce the installed cost per circuit.
- Is compatible with the following building power configurations:
  - › 3 phase (208Y/120V)
- Is sometimes less adaptable to special power needs such as multiple power source or facility energy control.
  - › Special power needs are typically planned only using circuit #4
  - › In some cases, 10 gauge shared neutral may not fully isolate circuits
- Modular receptacles have fixed circuit access.
- Offers receptacles in common ground or isolated ground configurations.

# Haworth and Power Base Make It Easy

Haworth and Haworth dealers provide layout and planning services for Power Base products. As part of the planning process, we work with you to determine the combination of Power Base components that deliver the most function per dollar. And if the solution includes Power Base AI, we provide a “future-proof,” zone-based layout flexible enough to adapt to any space plan. We also make sure the electrical plan is aligned with the voice/data plan to avoid any interference issues.

In addition, the detailed layout drawing helps to minimize construction schedules and reduce costs by ensuring that installation contractors know exactly what to do when they arrive on site. When the project is finished, the Haworth plan becomes an “as built” drawing for your facilities team that shows how all components are laid out and interconnected.

Extract from a Typical Haworth Drawing



## Haworth Power Base Advantages

- **More sustainable**—The Power Base system’s inherent reconfigurability maximizes lifecycle and minimizes waste.
- **Universal application**—All Power Base products are available in 3-circuit/separate neutral (3-3-2) or 4-circuit/shared neutral (2+2, 3+1) configurations.
- **Oversized shared neutral**—On all Power Base 4-circuit systems, a 10 gauge shared neutral provides protection from high currents due to non-linear loads.
- **Foolproof connection**—All Power Base connectors are color coded and polarity keyed to prevent connection of electrically incompatible components.
- **Flexible circuit assignment**—Power Base for furniture offers Haworth’s exclusive programmable receptacles on 3-circuit systems and patented snap-in receptacles on 4-circuit systems for quick, easy change of circuit assignments. Power Base AI floor-mounted Service Modules also offer snap-in receptacles, offering an advantage over competitive systems in which circuit assignments can only be changed by replacing the entire floor module.
- **Easier to expand and reconfigure**—Unlike competitive systems, every Power Base cable and connector contains all eight wires, allowing for easy reconfiguration or expansion at any point in the system.
- **Ready to install**—Power Base components arrive pre-wired and pre-tested. No field wiring required, except for connection to building wiring.
- **Furniture/architectural integration**—Power Base for furniture seamlessly connects with Power Base AI in the floor or ceiling.
- **Large capacity in a streamlined package**—The Power Base AI 3-port Zone Distribution Box is only 11”x 11”x 2½”, but can deliver 4800 VA in a 4-circuit configuration or 3600 VA in a 3-circuit configuration.
- **Floor Modules built for heavy traffic**—Power Base AI low profile and standard height Service Modules are equipped with steel covers that can withstand a 1000 lb point load and significantly exceed UL strength requirements.
- **Built-in daisy chain capability**—Power Base AI Service Modules include multiple modular connectors, allowing power to pass through and be routed to subsequent Service Modules.
- **Underfloor air compatible**—Power Base AI components are UL 183 listed for use in “air handling spaces other than plenums” per NEC Article 604. Such spaces include air handling spaces under access floors and above dropped ceilings.
- **Connects to non-Haworth systems**—While Power Base AI offers the most value when used with Haworth furniture and wall systems, Haworth offers Jumpers that allow field-wired transitions to non-Haworth systems.

# HAWORTH®

For more information call 800.344.2600 or 616.393.3000.  
Download additional copies at [haworth.com](http://haworth.com).

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