#### Manufactured by Camino Modular Systems Inc. An international supplier of underfloor air systems, established in 1970.

#### **Corporate Office and Factory**

89 Carlingview Drive Toronto, Ontario, Canada M9W 5E4 Tel: 416-675-2400 / 1-800-370-0226 Fax: 416-675-2424 / 1-866-370-0226

#### Mid West Regional Sales Office Chicago, IL Tel: 847-427-1800

Fax: 847-427-800

#### Southern Regional Sales Office Dallas, TX

Tel: 972-788-2770 Fax: 972-866-9160

#### West Coast Regional Sales Office

Vancouver, BC Tel: 604-267-2400 Fax: 604-267-2402





# AIR **180**

CCRA BOMA Building of the Year Award 1996

Smith Carter Architects and Engineers Inc. **Received LEED Gold Certification** 

#### Central City Architectural Building of the Year - Gold Medal - (MIPIM) award in Cannes France

Simcoe Place BOMA Certificate of Excellence

## www.airpath180.com

Palmolive Building Luxury Residences

#### King Street Lofts

#### Schulich School of Business 2006 Governor General's Architectural Award

#### SAS Canada LEED Certified Real Estate Excellence Award Globe Award for Environmental Excellence







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# A Flexible Mechanical, Electrical & Technology Plenum Beneath Your Feet Customized Upgrades at Cost Effective Price Points

Designer Carpet Finishes

Hardwood Marble & Tile

Gas Fireplace

Wet Bar

**Energy Efficiency**, (reduced energy consumption, LEED certification)

**Architectural Elements Elevation changes**  **Entertainment System Cabling Pathway** 

Flexible Diffuser Locations

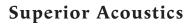
**Sound Isolation** 

A cost effective, flexible living environment designed for today's high performance condo building.

**Technology Pathway for Cables** (Security, AV, Internet, Lighting Controls, Audio/Visual Controls)

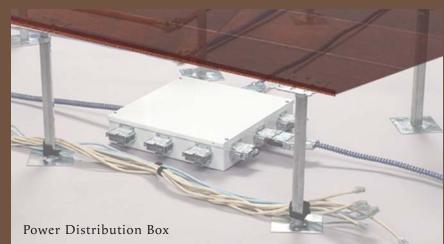
Precision Air Delivery

> Wine Cooler



# AIR 180 Flexible Wiring, Plumbing & Piping

# Modular Wiring



### Wiring

- Cost saving modular wiring approach.
- Lay in 120 volt modular cable system.
- Infinite flexibility to locate power outlets.
- Customized power lay outs.

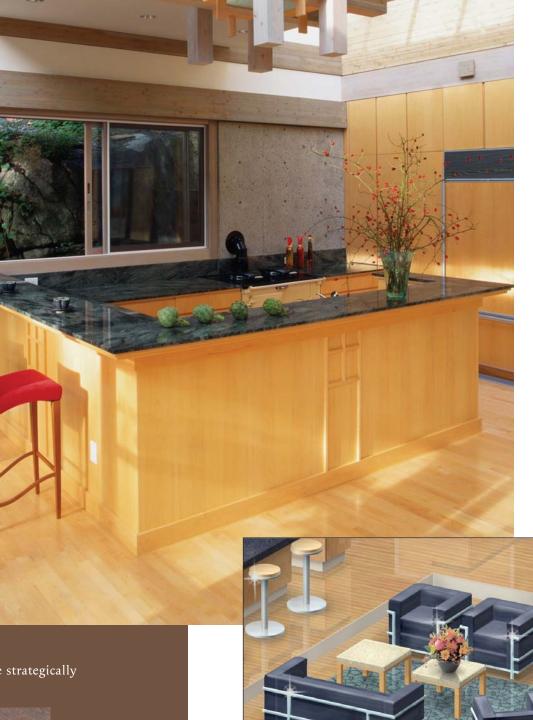
- Cost effective upgrades.
- Saves labour and reduces construction schedules.
- Strategic hatches for future
- Avoid unsightly wall outlets with strategic floor mount outlets.



Flush mount electrical boxes can be strategically located anywhere.

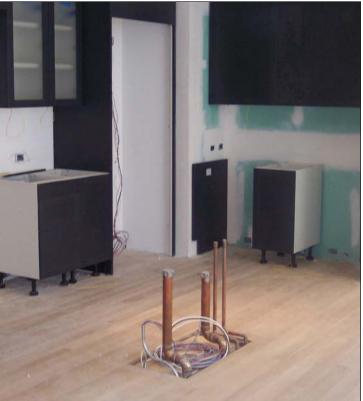


Electrical box cover matches floor finish.



Relocate Plumbing, Piping, Cabling & Gas Lines Almost Anywhere

# Plumbing & Piping





- Gas, Drain, Water Piping.
- Infinite flexibility to locate piping systems.
- Locate and relocate plumbing or gas lines almost anywhere.

# **AIR 180** A More Comfortable & Efficient Delivery of Heating & Cooling

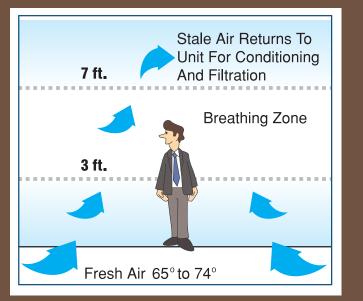
# Air/HVAC

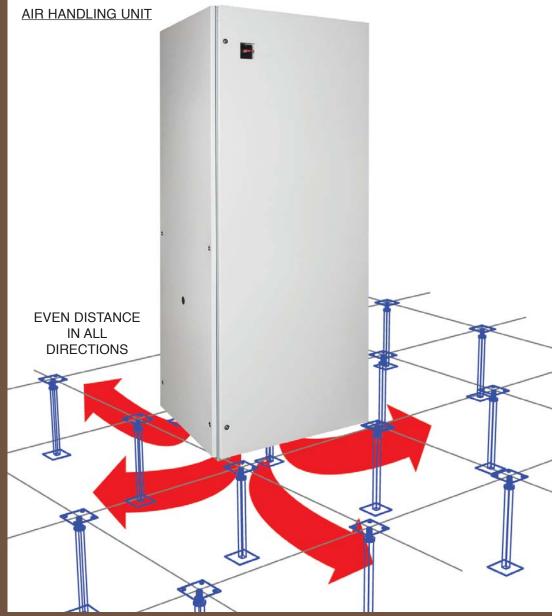
- Eliminates drafty high pressure ceiling air delivery.
- Eliminates uncomfortable blasts of hot or cold air
- Provides a gentle low pressure flow of air through living areas.
- Improves air quality by cleansing the breathing zone and exhausting stale air.
- Allows for more use of fresh air.
- Living spaces can be individually controlled with Manual or Thermostatic Controls.
- Eliminates unsightly drywall bulkheads, gains ceiling height, and allows more natural light into the living space.

# Improved Air Quality & Comfort Levels

- Reduced Energy Costs with Airpath 180 Distribution
- Ceiling Delivery Systems introduce air at 55° or 80°
- Airpath 180 introduces cooling air at 65° or heated air at 74° for

improved comfort levels and reduced energy consumption!





Canatal Intelligent Heating & Cooling Unit. Place the Unit Anywhere, Distributes Air Uniformly...Everywhere!

### **Breathing Zone**

- Less pollutants and allergens
- Less germs and airborne viruses
- More comfortable environment
- Energy efficient
- LEED certification

Grilles are available in a full range of custom sizes to compliment floor finishes.

#### Broad range of diffuser finishes:



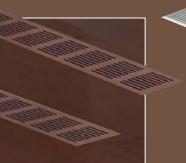
# **HVAC Delivery System**



#### Intelligent Heating and Cooling from Canatal

Canatal M - Series "Down-Flow" Air Configuration provides:

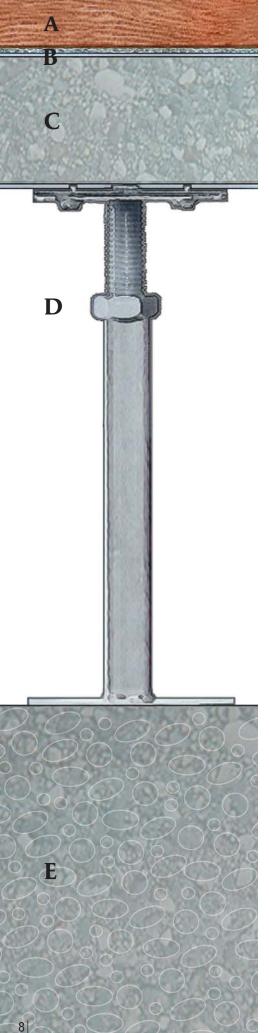
- Precise control of temperature, humidity and air cleanness.
- Maximum energy efficiency.
- Maximum reliability.
- Minimum operating costs.
- Lower total ownership cost.
- Quiet.
- Compact closet mounting.



Hardwood Diffusers



Brushed Aluminum, Stainless Steel Diffusers





# Solid... Quiet

# **Double Slab** Technology

A Solid Hardwood or Engineered Flooring Installed on Laser Leveled Structural Platform

**B** Acoustic Sound Mat

- C Airpath 180 Platform: - Steel outer sheets encase a 1<sup>1</sup>/<sub>8</sub>" cementitious
  - composite core platform - Available in
  - 300 lbs/sq ft.,
  - 350 lbs/sq ft., or
  - 400 lbs/sq ft.
- D Laser Leveled, Adjustable Steel Supports Provide Choice of Platform Heights
- E Base Building Slab



# **Domestic & Exotic Woods**

AirPath180 provides an extensive choice of domestic and exotic wood species: - Over 100 different tints - Custom widths are available - Standard plank widths from 2" to 4"

- Custom tinting is available

Hardwood floors are available as <sup>3</sup>/<sub>4</sub>" Solid Hardwood Planks or Engineered Flooring. Only top quality wood that is FSC approved and sustainably harvested are offered.



Airpath 180 hardwood floors offer strategically located, discrete access ports to plenum area.





Removable Engineered Hardwood Systems.

# AIR 180

# Features

- Lower Construction Costs
- Speed of Construction reduces construction schedule by 15-20%
- Air Quality
- Flexible Design
- Lifestyle Upgrades
- Lower Energy Costs
- Increased re-sale value

### The Airpath 180 System provides construction cost savings in the following areas:

Acoustic Insulation

Concrete Slab Patching/Leveling

Concrete Slab Pour Savings

Supply/Return Duct Work

Drywall Bulkheads

Plumbing/Piping Savings

Low Voltage, A/V, Telephone, Internet Cabling

120 Volt Electrical Wiring

Faster Construction Schedule/Cash Flow/ Cost of Money

Reduction in Curtain Wall/Window Wall/Spandrels

Eliminates Costly Cutting and Coring

# The Airpath 180 system adds significant credit points towards LEED projects.

The LEED rating system recognizes "green sustainable" buildings that incorporate design, construction and operational practices that combine healthy, high-quality and high-performance advantages with reduced environmental impacts.

# **Pre-Engineered and Design-Build Services**



<b>LEED Point Awards</b>	Opportunities
CREDIT	ETP BENEFIT
ENERGY AND ATMOSPHERE Optimize Energy Performance	<ul> <li>Improved ventilation and individual air flow control improves environmental comfort.</li> <li>Reduced energy cost through lower fan horsepower and free air cooling; less coolant plant/compressor run time.</li> </ul>
MATERIALS AND RESOURCES Building Reuse - maintain 75% of existing walls, floors, and roof - maintain 95% of existing walls, floors and roof - maintain 50% of interior non-structural elements	- ETP allow for existing building renovation and re-use opportunities.
Resource Reuse- 5% salvaged materials- 10% salvaged materialsRecycled Content- 7.5% (post-consumer + 1/2 post-industrial)- 15% (post-consumer + 1/2 post-industrial)	- Industry leading percentage of recycled materials used in all our products.
<b>Regional Materials</b> - 10% manufactured regionally - 20% manufactured regionally	- Our products/raw materials are manufactured/sourced in Northern U.S.A. and Ontario, Canada region.
INDOOR ENVIRONMENT QUALITY Increase Ventilation Effectiveness Low-Emitting Materials - adhesives and sealants - composite products - paints and coatings - carpets Daylight and Views - daylight 75% of spaces - views for 90% of spaces	<ul> <li>Only low emitting and zero VOC materials are incorporated in the manufacture of our products.</li> <li>Airpath 180 allows for greater daylight penetration into space and superior views.</li> </ul>
Innovation and Design Process LEED accredited professional	- Innovative, more flexible design.

# **OPTIONAL DESIGN-BUILD AND** ENGINEERING SERVICES

In-house engineering and access to specialist consultant partners allow us to provide a turnkey AirPath 180 system that includes Electrical and Mechanical Engineering design services. A clear scope of work report ensures no overlap with Division 15 and 16 responsibilities. Concise drawings and specifications allow for tendering of related HVAC, electrical, mechanical and architectural components associated with an AirPath 180 building. Our pre-engineered solution eliminates any redundancies, reduces construction costs and speeds up the design process.

# **HVAC** Design:

- Air Handler outline
- specifications.
- Perimeter zone heat/cool design.
- Manual control vs.
- temperature control.
- Plenum divider zoning.
- Floor height considerations.
- Complete CAD drawings
- and specifications.

### Airpath 180 Underfloor Modular Wiring Design:

- 120 volt underfloor power distributions system to service appliances, office, living/dining rooms, bedrooms, dens, bathrooms, AV rooms, and specialty rooms.
- Modular plug & play cabling includes home runs back to electrical panels.
- Floor box/grommet/locations.
- Complete CAD drawings and power grid layout.

#### Architectural and Development Services:

- Recommendations and review of related architectural plans and details.
- Review and coordination of all related mechanical and electrical engineering details and specifications. - Developer marketing package and marketing suite to attract and secure potential buyers.