



ARCHITECTURAL PORTFOLIO • *Metal Products*





Left: **Columbia Medical Education Building, NYC**

*Colour matched, Radiant Heat Ceiling Panels butt against the windows*

**A**llow us to take you on a journey through the world of metals where size, shape and sheen define style in metal expressions. Experience the unique impact of seeing intriguing geometric achievements in metal, brought to life by the experienced Nelson team. Every installation reflects the collaborative spirit that exists between Nelson and it's customers, in the ongoing creative dialogue of urban life.

Below: **620 King St., Toronto**

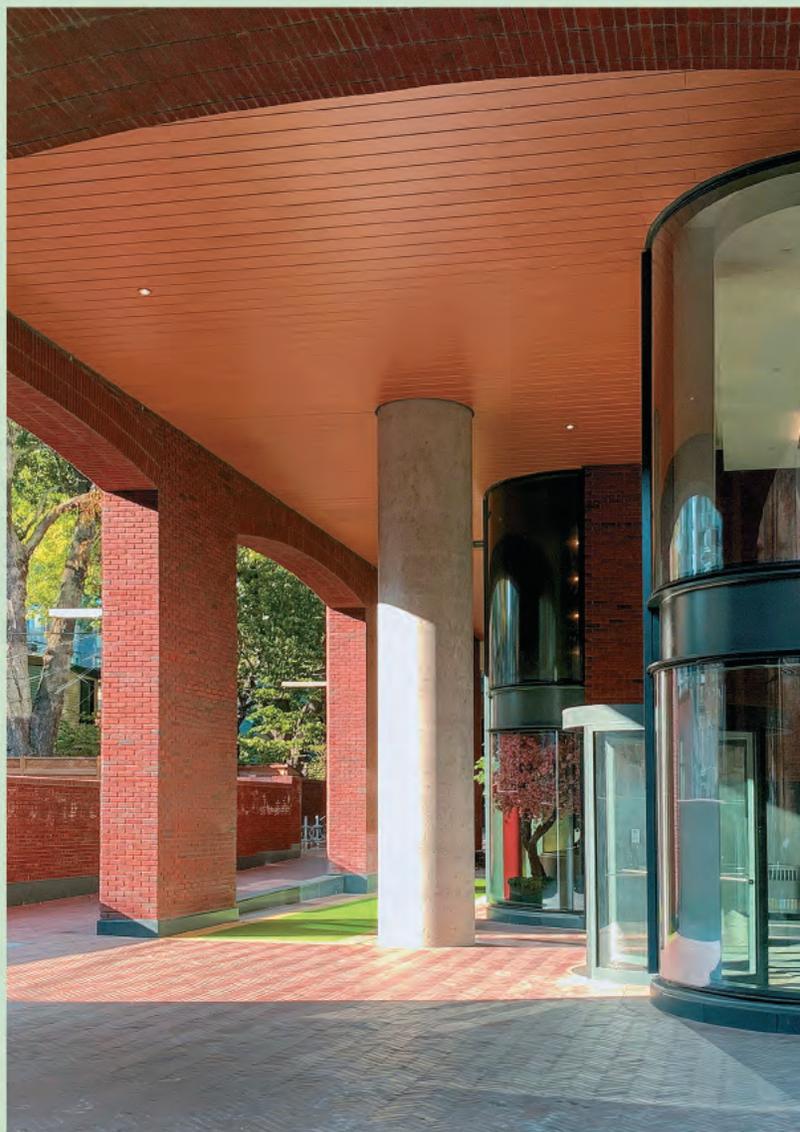
*OurBorite Ceiling Panels*



**Ourborite™**

*A natural looking and very durable laminate applied to an aluminum sheet, available in over a dozen replicated wood veneers.*

*Shown here: Light Cherry and Cathedral Karri*

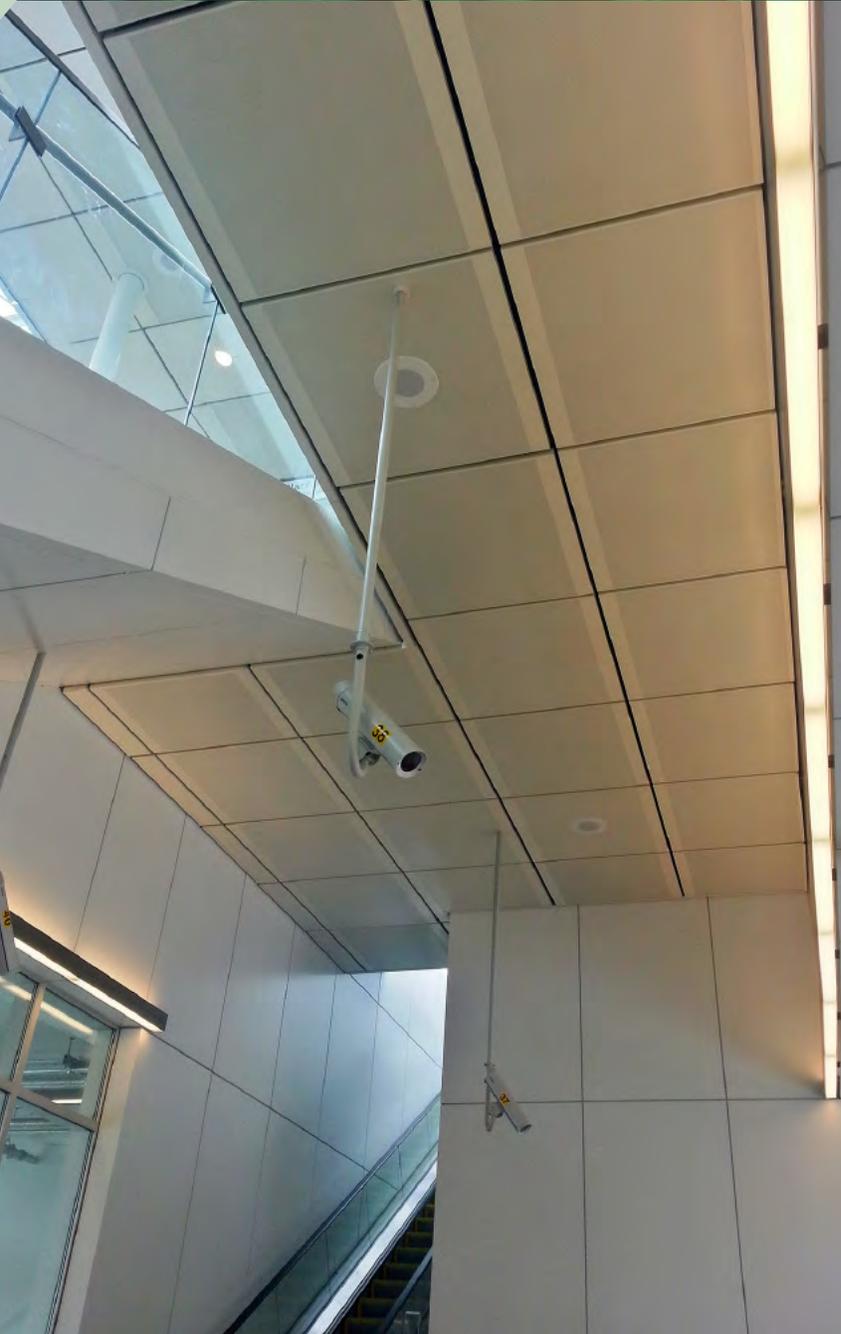




## ACOUSTICS

**M**etal Ceilings and Walls are available both non-perforated (sound reflective) and perforated (sound absorbing). Perforation patterns are limited only by the type of material and thickness chosen and available tooling. Presently Nelson offers more than fifty different perforation patterns ranging from diagonal, staggered to straight as well as round, square and oblong holes. Typically a 15 to 25% perforated open area is required for absorption values (NRC) of .70 or higher.

Nelson's standard acoustical material consists of a Black pre-laminated fleece (SoundTex®) typically bonded to the concealed face of the perforated ceiling panel.



For additional sound absorbing qualities and in particular for wall panel applications due to the requirement of a minimum of 8"/200 mm of free airspace behind the perforated metal surface when applied with SoundTex, Nelson recommends filling the void within the panel with a fiberglass or mineral wool inlay in a thickness that matches the void and has a minimum density of 1.5 pounds per cu.ft.



## CEILINGS

**N**elson prides itself on their ability to bring an architect's conception into reality. Involved in every facet of the process, from the emergence of the design concept right down to the aesthetic and functional details of award winning architecture, Nelson offers the highest customer service and creative attention to detail.

*Right top: Main Street skytrain Station, BC*

*Right middle: ETFO, Toronto, ON*

*Below: Platinum Condo  
West 46 Street, NYC, NY*

*Right bottom: CN Tower  
Observation Deck, Toronto, ON*



## GENERAL METAL CEILING SPECIFICATIONS

### Materials

Aluminum Sheet: 3003-H14 alloy (Suitable for paint finishes), or 5005-H34 alloy (For use with anodized finishes). Minimum typical thickness 20 Ga. (.032" / 0.8 mm)

Stainless Steel Sheet: Type 304 (Standard) or 316 (For higher degree of corrosion resistance). Minimum typical gauge 22 Ga. (.031" / 0.8 mm)

Bronze Sheet: Muntz metal alloy 280 or Commercial Bronze alloy 220. Minimum typical thickness (.032" / 0.8 mm)

Galvanized Steel Sheet: Electroplated galvanized.

Minimum typical thickness 16 Ga. (.063" / 1.6 mm)

### Finishes

Aluminum: Polyester baked powder enamel, or two or three-coat fluoropolymer coatings by PPG® or Valspar®, or gray polyester prime for field painting. Also Class I or II anodic treatments.

Stainless Steel: Satin Brush # 4, Blend "S" Super-Satin Brush, Mirror # 8, Non-Directional Brush, Embossed, Plain or Random Swirl.

Bronze: # 5 Satin Brush, Mirror Lacquered or Oxidized

Galvanized Steel Sheet: Polyester baked powder enamel, or gray polyester prime for field painting.

Right: *Virginia Beach*

*Convention Center, VA*

Below: *Prudential Lobby*

*Chicago, IL*



Right: *Billy Bishop Airport Tunnel*  
*Toronto, ON*

Far left: *Kia Design Center, Irving, CA*

## WALLS

**A**rchitecture today demands an exciting array of solutions for the conception of forms and spaces to create livable and functional buildings. Nelson understands these demands and possesses many unique solutions and varied design approaches to help architects and building partners achieve their goals.

*Right: Phelps Science Center, NH*

*Below: Discovery Centre, Halifax, NS*



*Right: Merck & Co.  
Office Complex,  
Upper Gwynedd, PA*



## GENERAL METAL WALL SPECIFICATIONS

### Materials

Aluminum Sheet: 3003-H14 alloy (Suitable for paint finishes), or 5005-H34 alloy (For use with anodized finishes). Minimum typical thickness 20 Ga. (.032" / 0.8 mm)

Stainless Steel Sheet: Type 304 (Standard) or 316 (For higher degree of corrosion resistance). Minimum typical gauge 22 Ga. (.031" / 0.8 mm)

Bronze Sheet: Muntz metal alloy 280 or Commercial Bronze alloy 220. Minimum typical thickness (.032" / 0.8 mm)

Galvanized Steel Sheet: Electroplated galvanized. Minimum typical thickness 16 Ga. (.063" / 1.6 mm)

### Finishes

Aluminum: Polyester baked powder enamel, or two or three-coat fluoropolymer coatings by PPG® or Valspar®, or gray polyester prime for field painting. Also Class I or II anodic treatments.

Stainless Steel: Satin Brush # 4, Blend "S" Super-Satin Brush, Mirror # 8, Non-Directional Brush, Embossed, Plain or Random Swirl.

Bronze: # 5 Satin Brush, Mirror Lacquered or Oxidized

Galvanized Steel Sheet: Polyester baked powder enamel, or gray polyester prime for field painting.

**Ourborite™:** A natural looking and very durable laminate applied to an aluminum sheet, available in over a dozen replicated wood veneers.

**Dimensions:** Metal Walls are typically supplied up to a maximum of 4'-8" in width and 12'-0" in height.

**Designs:** Nelson offers a complete line of screw and hook-on type systems.



Top: *Merck & Co. Office Complex,  
Upper Gwynedd, PA*

Right: *Queenston Bridge Wall,  
Queenston, ON*

Below: *MBTA Courthouse  
Transit Station, Boston, MA*



Above: *MBTA Courthouse  
Transit Station, Boston, MA*

Left: *Massachusetts  
Highway Department,  
Boston, MA*



## COLUMN COVERS

**N**elson understands the need to integrate column covers into the overall architectural project. They offer a wide range of shapes, sizes and finishes that allow the designer to make columns an expressive element in any building project. Nelson's commitment to development continually brings new design options and improved functionality to all their product lines.

Below: *Symphony Tower, Atlanta, GA*



Left & below: *Hartsfield-Jackson Int'l Airport,*



### GENERAL COLUMN COVER SPECIFICATIONS

#### Materials

Aluminum Sheet: 3003-H14 alloy (Suitable for paint finishes), or 5005-H34 alloy (For use with anodized finishes). Minimum typical thickness 14 Ga. (.064" / 1.6 mm)

Stainless Steel Sheet: Type 304 (Standard) or 316 (For higher degree of corrosion resistance). Minimum typical thickness 16 Ga. (.063" / 1.6 mm)

Bronze Sheet: Muntz metal alloy 280 or Commercial Bronze alloy 220. Minimum typical thickness (.063" / 1.6 mm)

Galvanized Steel Sheet: Electroplated galvanized. Minimum typical thickness 16 Ga. (.063" / 1.6 mm)

#### Finishes

Aluminum: Polyester baked powder enamel, or two or three-coat fluoropolymer coatings by PPG® or Valspar®, or gray polyester prime for field painting. Also Class I or II anodic treatments.

Stainless Steel: Satin Brush # 4, Blend "S" Super-Satin Brush, Mirror # 8, Non-Directional Brush, Embossed, Plain or Random Swirl.

Bronze: # 5 Satin Brush, Mirror Lacquered or Oxidized

Galvanized Steel Sheet: Polyester baked powder enamel, or gray polyester prime for field painting.

**Ourborite™:** A natural looking and very durable laminate applied to an aluminum sheet, available in over a dozen replicated wood veneers.

**Dimensions:** Column Covers are not available under 8" in diameter. Column Covers are limited to 12'-0" in height or per stack.

*Below: Inter-Continental Hotel,  
Buckhead (Atlanta) GA*



*Left: Allen Plaza - Office Building, Atlanta, GA*



*Left below: Mercedes Benz  
Customer Area, Richmond Hill, ON*



*Right below: Prudential Lobby  
Chicago, IL*



## ACCENTS

**M**any of Nelson's projects incorporate special finishes or unique and unexpected ways of using metals to bring the desired impact and individuality to a design. Their staff works closely with clients and contractors to provide the maximum result within the project's budget without sacrificing any of the quality or hands on attention Nelson is known for.

Nelson's metals are a proven way to bring accessibility, marketability and superior acoustics to the forms and spaces within your projects while representing cutting edge, user-friendly design that makes your project stand out from the crowd.

*Right: Vaughan Metropolitan Centre station, Toronto, ON*

*Below: Hartsfield-Jackson Int'l Airport, Atlanta, GA*



*Left: Beacon Court at The Bloomberg Building, New York, NY*



*Right above: Queens Quay Marquee, Toronto, ON*



*Right below: HTO Park, Toronto, ON*

## GENERAL METAL ACCENT SPECIFICATIONS

### Materials

Aluminum Sheet: 3003-H14 alloy (Suitable for paint finishes), or 5005-H34 alloy (For use with anodized finishes).

Minimum typical thickness 20 Ga. (.032" / 0.8 mm)

Stainless Steel Sheet: Type 304 (Standard) or 316 (For higher degree of corrosion resistance). Minimum typical gauge 22 Ga. (.031" / 0.8 mm)

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### Finishes

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Galvanized Steel Sheet: Polyester baked powder enamel, or gray polyester prime for field painting.

**Ourborite™:** A natural looking and very durable laminate applied to an aluminum sheet, available in over a dozen replicated wood veneers.

**Dimensions:** Metal Accents are typically supplied in any width and length suitable for shipping and handling.

**Designs:** Nelson will engineer and fabricate any suitable design provided to us. Such design can range from metal furnishings, light fixtures, displays, signage and more.



Top left: *Dundas Square, Toronto, ON*

Top right: *Perforated stainless steel serpentines, Sun Life, Toronto, ON*



Bottom left: *HTO Park, Toronto, ON*

Bottom right: *New York Police Academy, Queens NY*



ARCHITECTURAL METALS Division



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**Intertek**

ISO 9001 Certified

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In nature everything works in harmony, Nelson has the creative vision and skill to bring this natural balance to the projects they design and realize. Using all aspects of the metals they work with to enhance their inherent beauty, Nelson molds style, form and function into a harmonious whole.

Front cover: **Vaughan Metropolitan Centre station, Toronto, ON**  
Cover photo: (Nelson Industrial Inc./Craigie)