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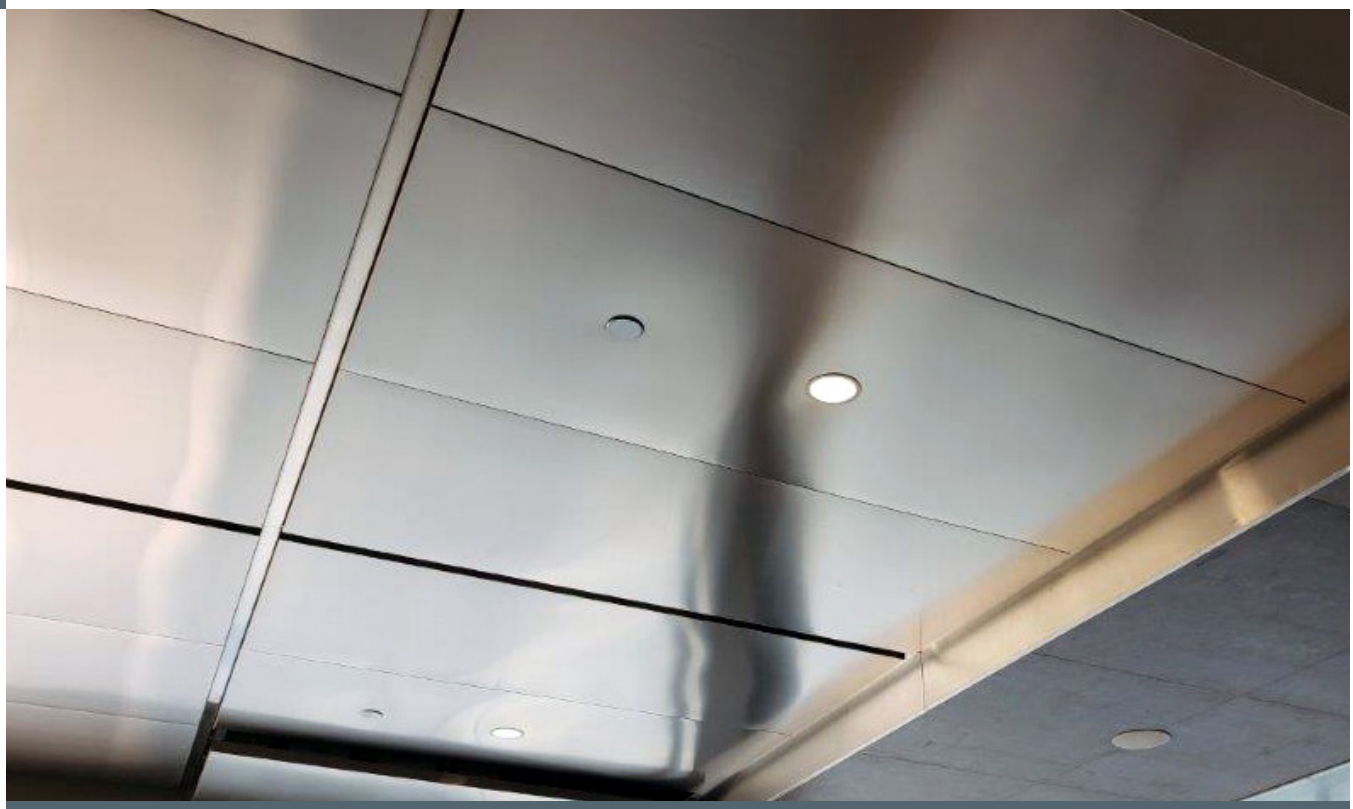


DATA SHEET: NUVO™ Hex Panel TSP (Metal)

Torsion Spring Ceiling Panel (HoneyComb Core)

Materials

Surface Face:	Aluminum Sheet: 3003-H14 alloy. Typical standard thickness 20 Ga. (.032" / 0.8 mm)
HoneyComb Backer:	3000 Series Aluminum Foil
Cell Sizes:	1/4" - 1.0"
Densities:	1.2 pcf - 5.2 pcf
Sheet "Ribbon" (L):	48" typical - 72" max
Sheet "Transverse" (W):	96" typical - 200" max
Sheet Thickness (T):	35" max

Finishes

Aluminum: Baked polyester powder, or two or three coat fluoropolymer coatings by PPG® or Valspar®.

Dimensions

Metal Ceiling Panels are commonly supplied up to a maximum of 16 square feet, for example 2' x 8' or 4' x 4'.
However larger sizes are available upon request and following analysis.

Designs

Nelson offers a complete line of lay-in, clip-on (Torsion Spring), hook-on and tab-and-slot type systems.

Benefits

Aluminum Honeycomb core-backed ceiling and wall panels offer superior rigidity and uniformity of finished form in larger sheet sections when compared to traditional metal panels.

For more details and options contact your local Nelson Sales Representative or call our office at **1-800-277-6897**

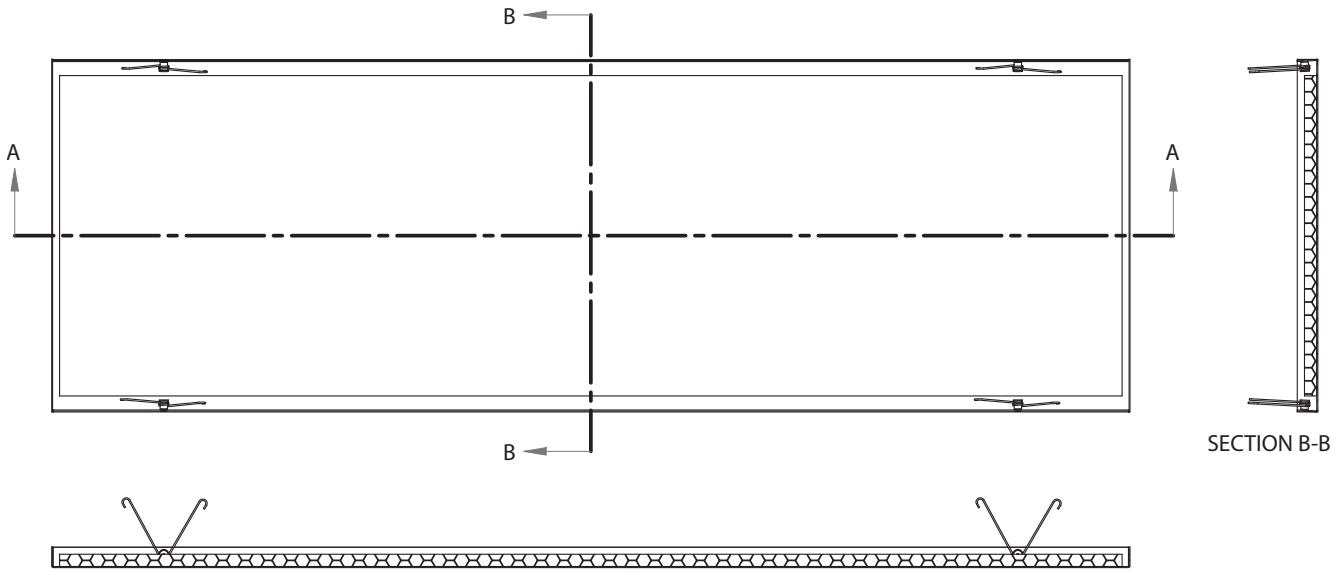
Standard References

A. ASTM E84 - Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.
B. AAMA 605.2 - Specification for High Performance Finishes.
C. ASTM A 366/A 366M Standard Specification for Commercial Steel (CS) Sheet, Carbon (0.15 Maximum Percent) Cold-Rolled; 1997.
D. ASTM A 666 Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2000.
E. ASTM B36/B 36M Standard Specification for Brass Plate, Sheet, Strip, and Rolled Bar; 2006.
F. ASTM B 209/B 209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2004.

DATA SHEET: NUVO™ Hex Panel TSP (Metal)

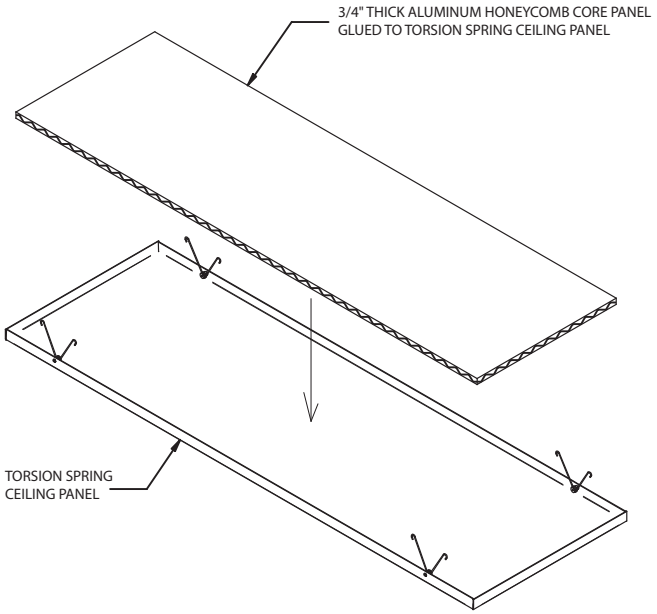
Torsion Spring Ceiling Panel (HoneyComb Core)

NUVO-HexPanel TORSION SPRING CEILING PANEL



NUVO-HexPanel

TORSION SPRING CEILING PANEL (WITH HONEYCOMB CORE)



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DATA SHEET: **Stainless Steel & RAL Color System**

Architectural finishing with Stainless Steel and Powder Coat colors

Metal surfaces have an appeal of their own that few other materials can compare to but it is no match for the environment without proper surface treatment. Since Nelson is a turn-key operation; finishing is an important part of our manufacturing process. Finish quality is the first impression that everyone sees and maybe the most critical part of what makes architectural metals so attractive.

For Products that require a wet paint or powder coating, a five-stage washing system is used to remove any residual oils and properly prepare the surface for maximum coating adhesion. With large batch painting and powder coating booths and a 10 ton overhead crane, even very large coatings and fabrications can be accommodated.

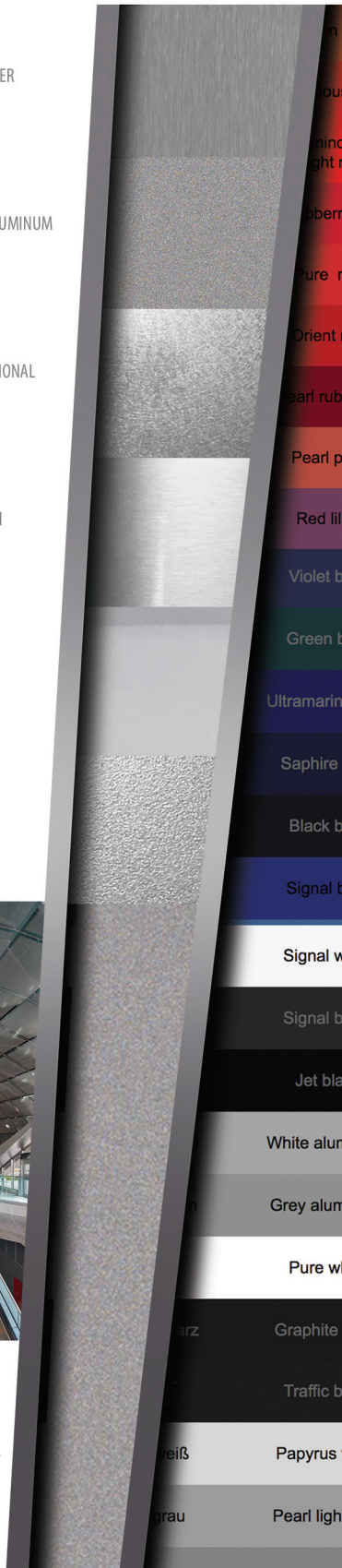
With a broad customer base and a wide range of fabrication capabilities, we are able to provide any level of service desired, all of which are backed by our ISO 9001:2015 certified quality management system.

FINISHING Processes
Grinding, De-burring, Polishing, Wet Painting, Powder Painting & Plating

Stainless Steel Finishes
Stainless Steel finishes are available in a number of patterns. Standards: #2, #3, #4 & #8 Mirror (Many more options available)

Color: RAL
Nelson's Architectural Metals Division uses the RAL Universal Color System as the color guide for standard project colors. We also have the ability to match any existing color or create a specific color when needed.

For additional information about our custom finishing and assembly services, contact us directly.



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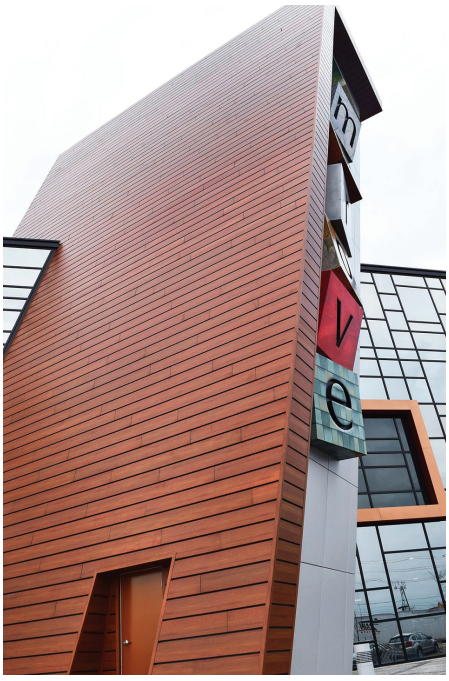
DATA SHEET: Ourborite | LUX Series (*sample* Wood Finishes)

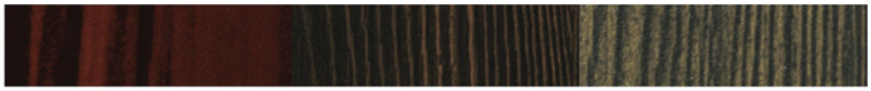
With powder coating and sublimated finishes



The Ourborite™ LUX Series features elevated aesthetics and durability with our new revolutionary powder coating and sublimated finishes. This advanced manufacturing process begins with the application of a specially formulated powder coating, known for its superior adherence and resilience. This eco-friendly coating is electrostatically applied and then cured under high heat, creating a hard, protective layer that is significantly more resistant to scratches, chipping, and fading compared to traditional paints. The series then introduces a specialized sublimation technique, transferring high quality wood designs onto powder-coated surfaces using intense heat and pressure. This process results in vivid, wood-like patterns that are seamlessly integrated into the coating, ensuring durability and colour vibrancy. These finishes are also formulated with UV resistant properties and can be cleaned easily.

SAMPLES SHOWN AS A GUIDE ONLY. FOR PROPER COLOUR DISPLAYED, REQUEST PRODUCT SAMPLES.

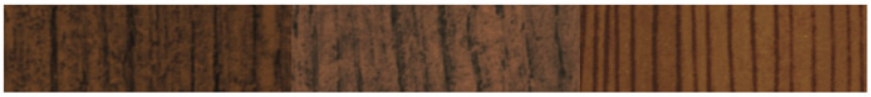
LIGHT CEDAR **0113** | DARK PECAN **0214** | LIGHT PECAN **0114**



RED OLIVE **0311** | DARK ROSEWOOD **0210** | LIGHT ROSEWOOD **0110**

DARK OLIVE **0211** | LIGHT OLIVE **0111** | CREAM OLIVE **1511**

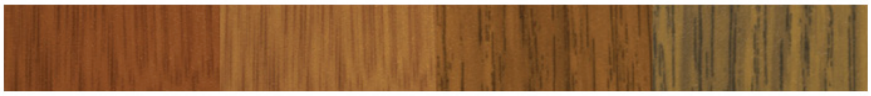
LIGHT NATIONAL WALNUT **0106** | DARK TABLE WALNUT **0205** | LIGHT TABLE WALNUT **0105**



DARK ANTIQUE OAK **0208** | LIGHT ANTIQUE OAK **0108** | DARK FIR **0203**

DARK KNOTTY PINE **0207** | LIGHT KNOTTY PINE **0107** | DARK CHERRY **0202**

CREAM CHERRY **1502** | WHITE CHERRY **0402** | CANADIAN MAPLE **0415** | CREAM DISTRESSED OAK **0112**



DARK BAMBOO **0209** | LIGHT BAMBOO **0109** | DARK ACACIA **0201** | LIGHT ACACIA **0101**

DARK CEDAR **0213** | CHARRED ROSEWOOD **0310**

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DATA SHEET: **Perforation Patterns**

Popular Standards

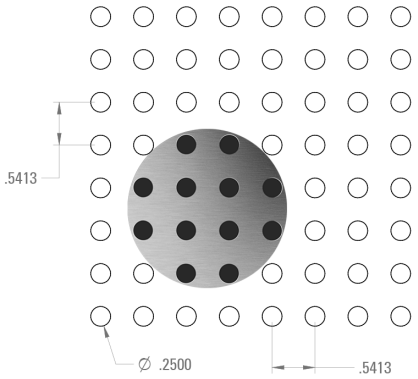
Standard Patterns

SHAPE	DIRECTION	HOLE x CENTRE DIST.	CENTRE DIST.	OPEN AREA	ID-NUMBER
ROUND	**STRAIGHT**	1/16" x 0.2165"	0.2165"	6.6%	R1052
"	"	1/16" x 0.1894"	0.1894"	8.6%	R1032
"	"	**1/16" x 0.1624"**	**0.1624"**	**11.6%**	**R1022**
"	"	5/64" x 0.4332"	0.4332"	2.6%	R1092
		5/64" x 0.2166"	0.2166"	10.2%	R1091
"	"	5/64" x 3/16"	0.1898"	13.4%	R1082A
		3/32" x 0.3248"	0.3248"	6.6%	R1142
"	"	3/32" x 0.2706"	0.2706"	9.4%	R1132
		1/8" x 0.4330"	0.4330"	6.5%	R1192
"	"	1/8" x 3/8"	0.3788"	8.6%	R1182
"	"	1/8" x 0.3248"	0.3248"	11.6%	R1172
"	"	3/16" x 0.6495"	0.6495"	6.6%	R1282
"	"	3/16" x 0.5413"	0.5413"	9.4%	R1272
"	"	3/16" x 0.4871"	0.4871"	11.6%	R1262
"	"	3/16" x 0.4330"	0.4330"	14.7%	R1252
"	"	1/4" x 0.8660"	0.8860"	6.6%	R1352
"	"	1/4" x 0.6495"	0.6495"	11.6%	R1342
"	"	**1/4" x 0.5413"**	**0.5413"**	**16.8%**	**R1332**
"	"	1/2" x 1.2990"	1.2990"	11.6%	R1462
"	"	**1/2" x 1.0826"**	**1.0826"**	**16.8%**	**R1442**

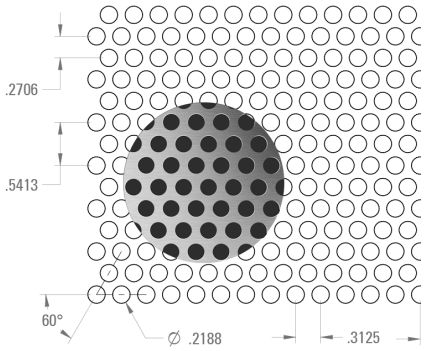
OPTIONS: Because of the large number of Perforation Patterns availalbe , we have only shown the popular standard patterns here. If there are specific sizes and shapes required for your project, request matches from your AMD Representative to receive pattern selections available

MATERIALS
STEEL, STAINLESS STEEL,
ALUMINUM, GALVANIZED

ALLOY GRADE TYPE
AI 5052-H32, CRCQ, G90, HRCQ,



SHAPE	DIRECTION	HOLE x CENTRE DIST.	CENTRE DIST.	OPEN AREA	ID-NUMBER
ROUND	**STAGGERED**	1/16" x 9/32"	0.2812"	4.5%	R1025
"	"	1/16" x 3/16"	0.1875"	10.1%	R1024
"	"	1/16" x 1/8"	0.1250"	22.7%	R1050
"	"	5/64" x 1/8"	0.1250"	35.3%	R1090
"	"	5/64" x 0.1096"	0.1096"	46.0%	R1080A
"	"	**3/32" x 3/16"**	**0.1875"**	**22.7%**	**R1140**
"	"	3/32" x 5/32"	0.1562"	32.7%	R1130
"	"	**1/8" x 1/4"**	**0.2500"**	**22.7%**	**R1190**
"	"	1/8" x 7/32"	0.2188"	29.6%	R1180
"	"	1/8" x 3/16"	0.1875"	40.3%	R1170
"	"	**3/16" x 3/8"**	**0.3750"**	**22.7%**	**R1280**
"	"	3/16" x 5/16"	0.3125"	32.7%	R1270
"	"	3/16" x 9/32"	0.2812"	40.3%	R1260
"	"	3/16" x 1/4"	0.2500"	51.0%	R1250
"	"	**1/4" x 1/2"**	**0.5000"**	**22.7%**	**R1350**
"	"	1/4" x 3/8"	0.3750"	40.3%	R1340
"	"	1/4" x 5/16"	0.3125"	58.0%	R1330
"	"	1/2" x 3/4"	0.7500"	40.3%	R1460
"	"	1/2" x 5/8"	0.6250"	58.0%	R1440



POPULAR PATTERNS
Shown in **BOLD FACE** text.

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