



DATA SHEET: NUVO™ Panel-CC

Curved Ceiling Metal Panels

- Highly-engineered curved/radius panel ceiling system designed to provide a striking 3D visual element
- Customized curvatures and profiles creates a unique finished form
- Three-dimensional accent ceiling provides a stark and dynamic contrast to surrounding traditional flat ceilings
- Suspension grid and perimeter trim fully customized to correspond with panel shapes and profiles. Available as torsion spring or direct wire-hung systems
- Custom nature allows for integration of light fixtures, diffusers and other critical ceiling components
- Standard or custom perforation patterns can further enhance distinct aesthetic

Materials

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

Galvanneal Steel Sheet: Electroplated galvanized, Minimum 24 Ga. (.028" / 0.7 mm)

Finishes

Aluminum: Baked polyester 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

Galvanneal Steel Sheet: Baked polyester powder enamel, or gray polyester prime for field painting.

Dimensions

Both standard and custom sizes available

Acoustics

Metal Ceilings are available both non-perforated (non-acoustic) and perforated (acoustic). Perforation patterns are limited only to the type of material and gauge 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.

Our standard acoustical material consists of a Black or Off-White pre-laminated fleece (SoundTex®) typically bonded to the concealed face of the ceiling panel.

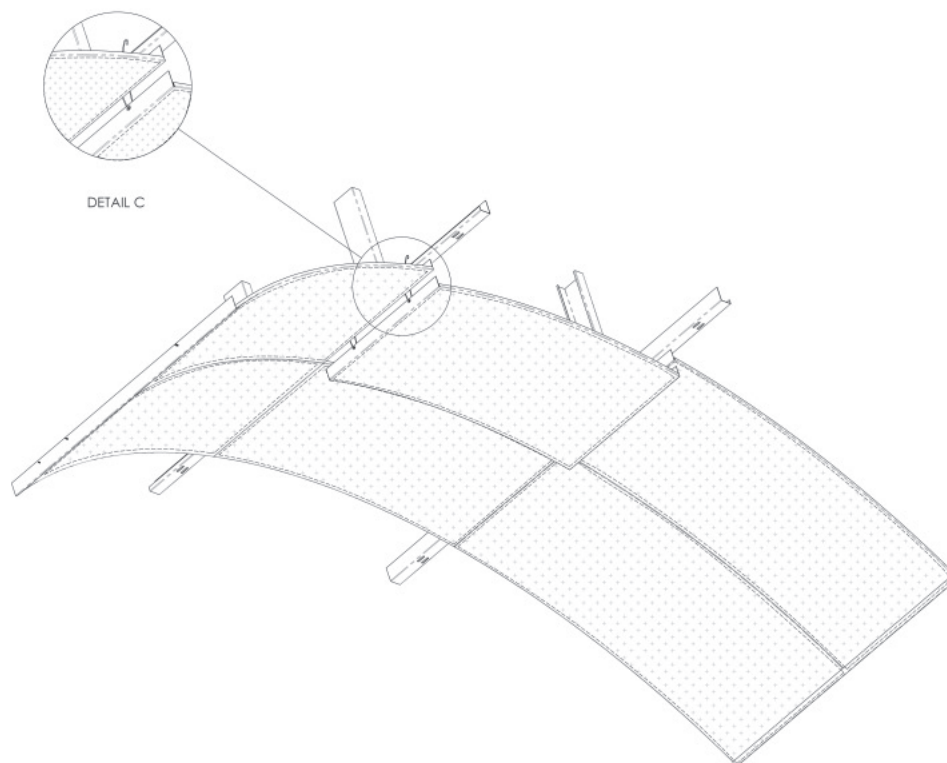
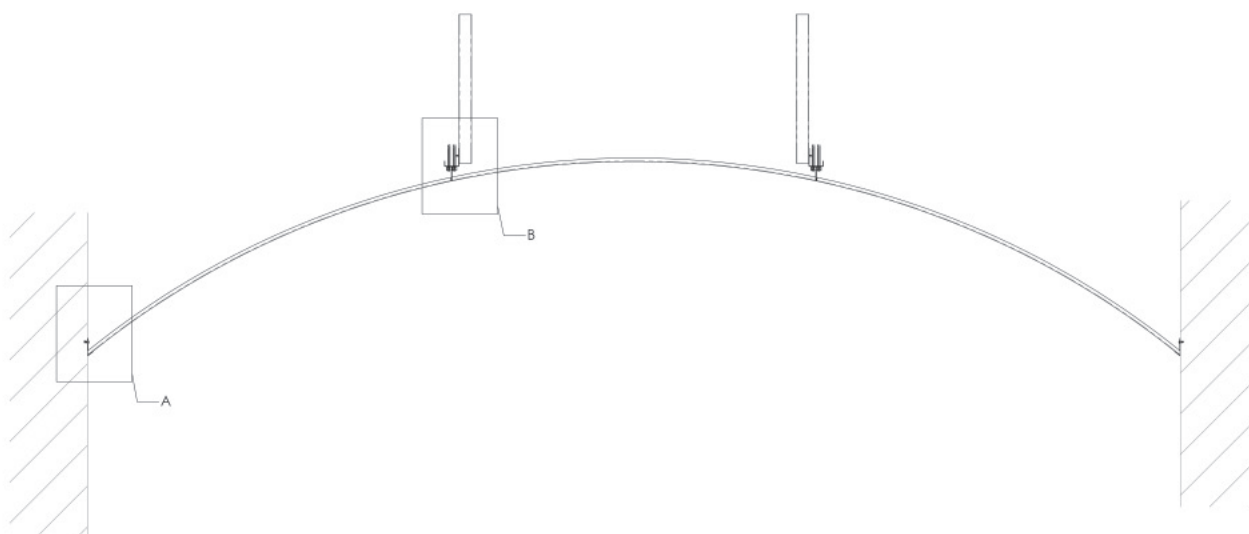
For more details and options contact your local Nelson Sales Representative.

Standard References

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

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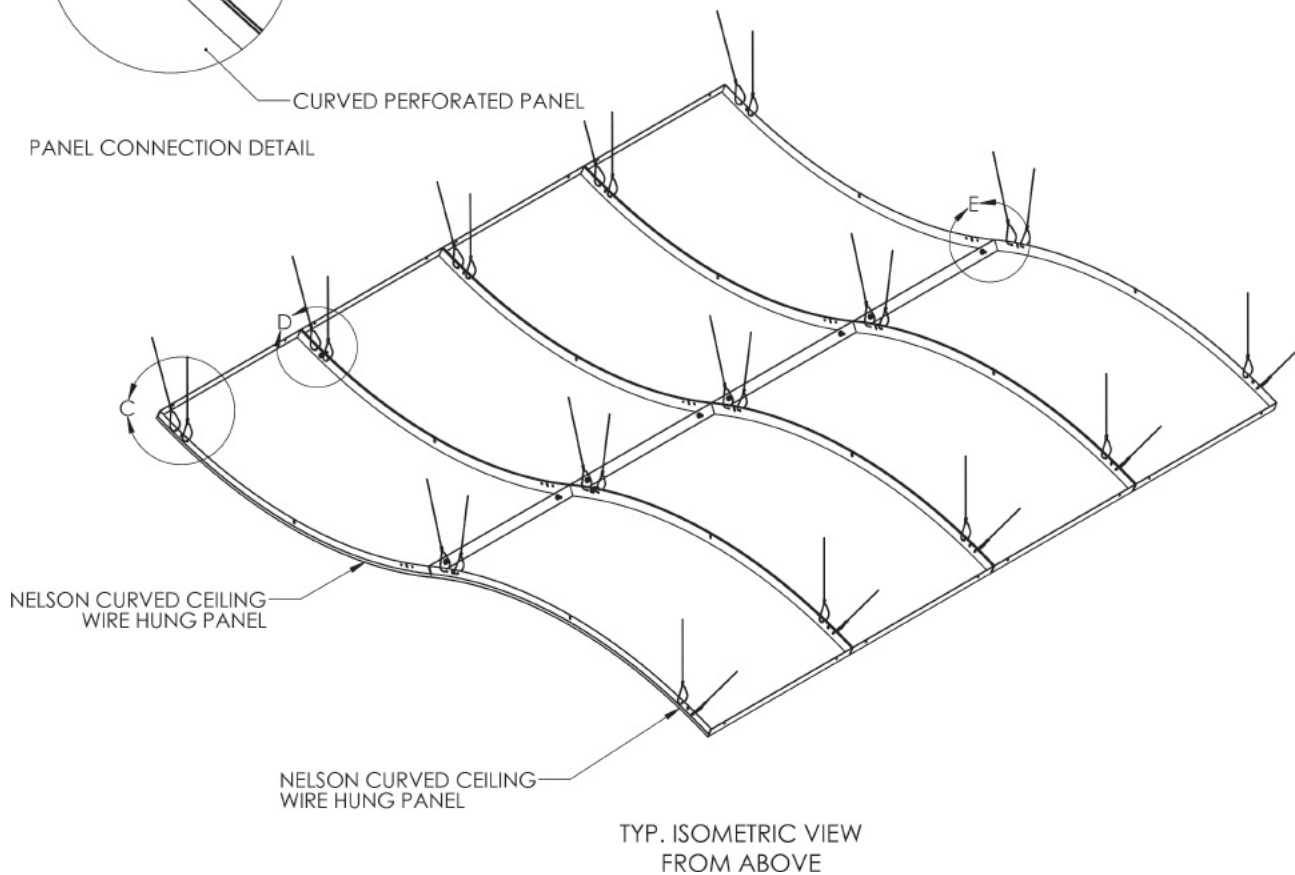
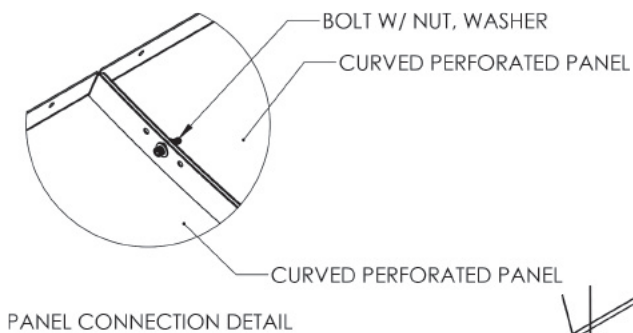
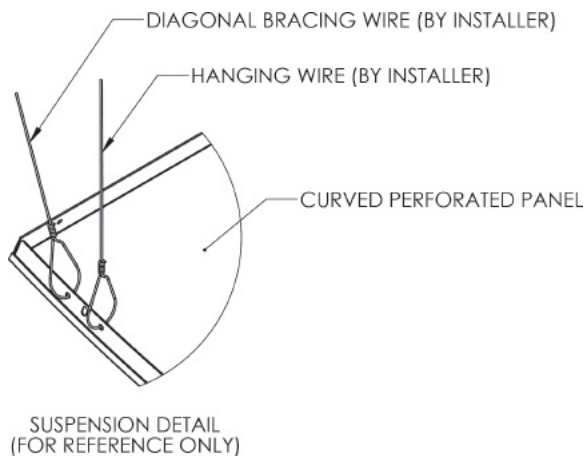
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TYP. ISOMETRIC VIEW
FROM BELOW

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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.



JUPITER SILVER

BRUSHED ALUMINUM

NON-DIRECTIONAL

SATIN BRUSH

#8 MIRROR

SANDSTONE

in pink

ous re

inous

ght red

berry re

ure red

Orient red

ari ruby re

Pearl pink

Red lilac

Violet blue

Green blue

Ultramarine b

Sapphire blue

Black blue

Signal blue

Signal white

Signal black

Jet black

White alumin

Grey alumin

Pure white

Graphite bla

Traffic black

Papyrus whi

Pearl light gr

Pearl dark

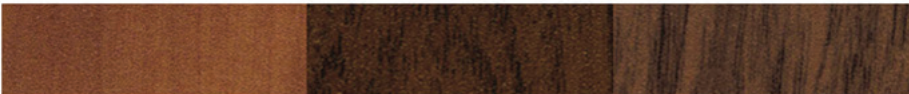
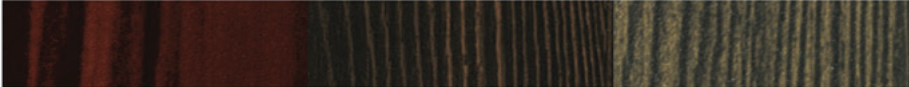
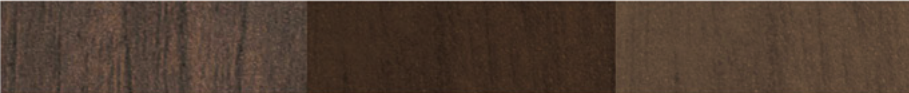
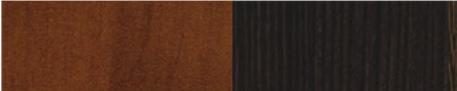
DATA SHEET: Ourborite | LUX Series *(sample Wood Finishes)*

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		

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

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

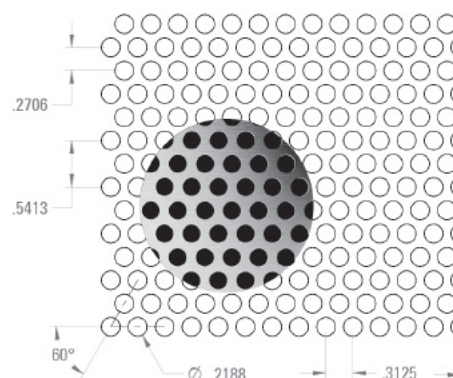
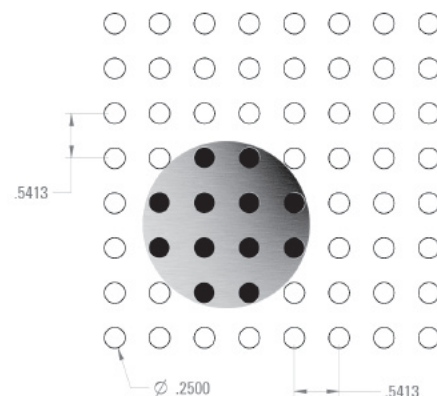
OPTIONS: Because of the large number of Perforation Patterns available, we have only shown the popular standard patterns here. If there are specific sizes and shapes required for your project, request matches from your AMD Representative to receive pattern selections available.

MATERIALS

STEEL, STAINLESS STEEL,
ALUMINUM, GALVANIZED

ALLOY GRADE TYPE

AI 5052-H32, CRCQ, G90, HRCQ,
HRPO, SS 304, SS 316, AI 3003-H14



POPULAR PATTERNS

Shown in **BOLD FACE** text.