CEILING
LIGHTING
AMBIENCE

METAL CEILINGS

PREFACE

Modern architecture considers function as well as design. It focuses on the emotional requirements of the user and stimulates the interaction between the people and their environment.

As a developer and manufacturer of innovative metal ceilings as well as of light and daylight solutions, we work consistently to meet those requirements. In North America, we will aim to work with our project partners on solutions that create a perfect synthesis between function and design.

This catalogue shows particular ceiling lighting solutions that set new design trends in different architectural applications.
Solutions that make you feel at home.

CONTENT

METAL CEILINGS & CLOUD CEILINGS

© Marc Seelen

dur-SOLO

dur-SOLO cloud ceilings from durlum excel through their floating, elegant look. The timeless system with high acoustic performance fits well into any room.

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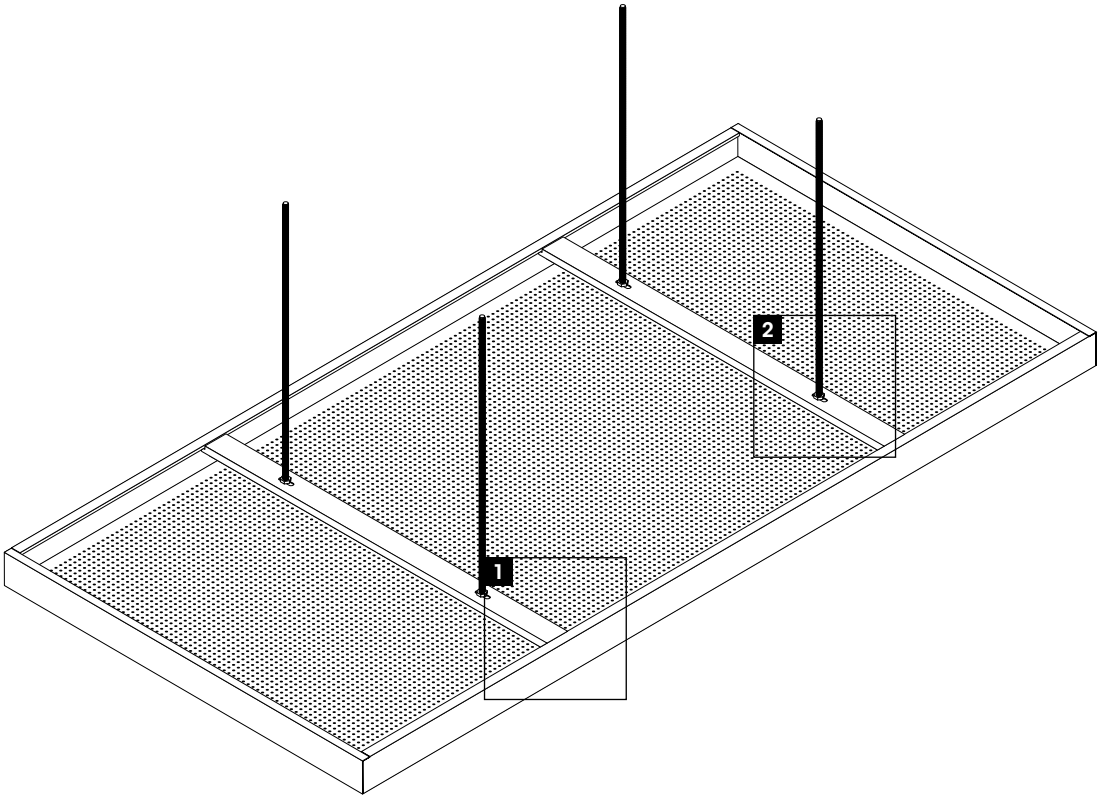
dur-SOLO TYPE 1

CLOUD CEILING

dur-SOLO TYPE 1



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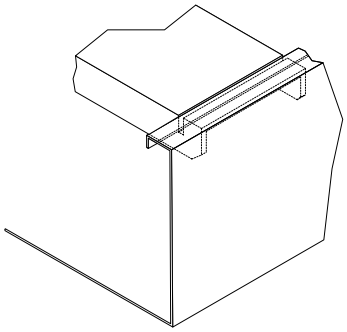

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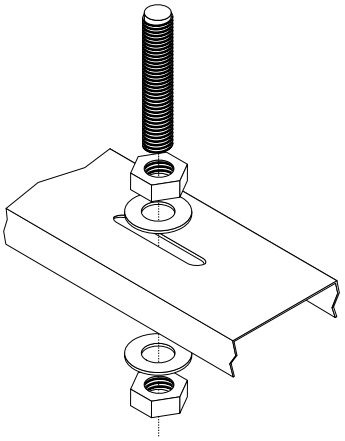


dur-SOLO TYPE 1

dur-SOLO cloud ceilings are versatile and flexible in use and are especially suited for office buildings, educational establishments, for renovation or organic building shapes. They can be combined optimally with thermally activated concrete ceilings. durlum's dur-SOLO is distinguished by highly flexible design options in terms of materials and surfaces up to very large module sizes. The unobtrusive substructure with integrated transverses in the cloud ceiling underline the floating character of dur-SOLO.

dur-SOLO is easy to install. Upon request, dur-SOLO is also available as hinged variant. Depending on your requirements, the system can also be supplied sound-proof or sound-absorbing or printed with graphics.

The metal ceiling contributes directly to Green Building / LEED certification.

For further information please refer to durlum.us

MASTER FORMAT 09 50 00

MASTER FORMAT 09 51 33

> P. 66 > P. 70 > P. 84

SURFACE

Galvanized steel, aluminum and stainless steel. The thickness of the material depends on the structural requirements. The galvanized steel and aluminum can be powder-coated in white matt [similar to RAL 9016] or according to customer specifications. The coating thickness is approx. 60 µm. The aluminum can also be supplied coil anodized or mirror polished. Stainless steel rectangular metal panels are available brushed or mirror polished. The powder-coated blanks can also be printed with graphics and textures of your choice.

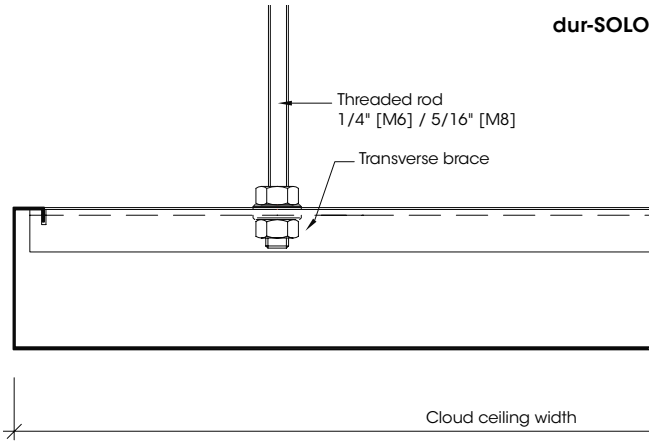
DIMENSIONS

Panel size
Length: ≤ 11'-10" [≤ 3600 mm]
Width: ≤ 4'-1" [≤ 1250 mm]

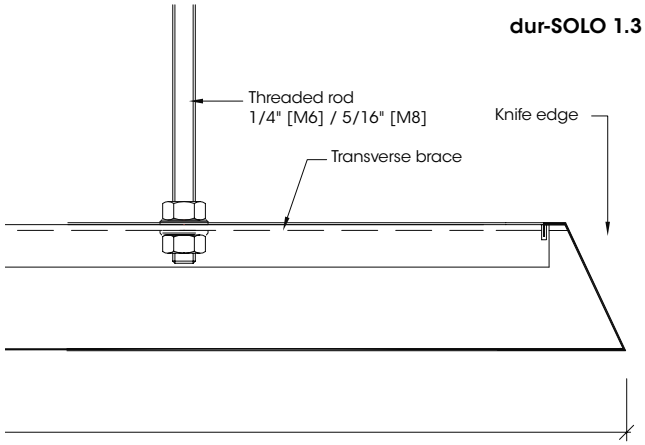
PERFORATION AND ACOUSTICS

Metal panels are available perforated with black acoustic fleece or non-perforated. durlum offers RG-L15 perforation [NRC=approx. 1.15] and RG-L08 "Pico-Point" Microperforation [NRC=approx. 0.60] as standard. For other available perforations please see www.durlum.us.

dur-SOLO 1.1



dur-SOLO 1.3



HSG Learning Center SQUARE, St. Gallen [CH]

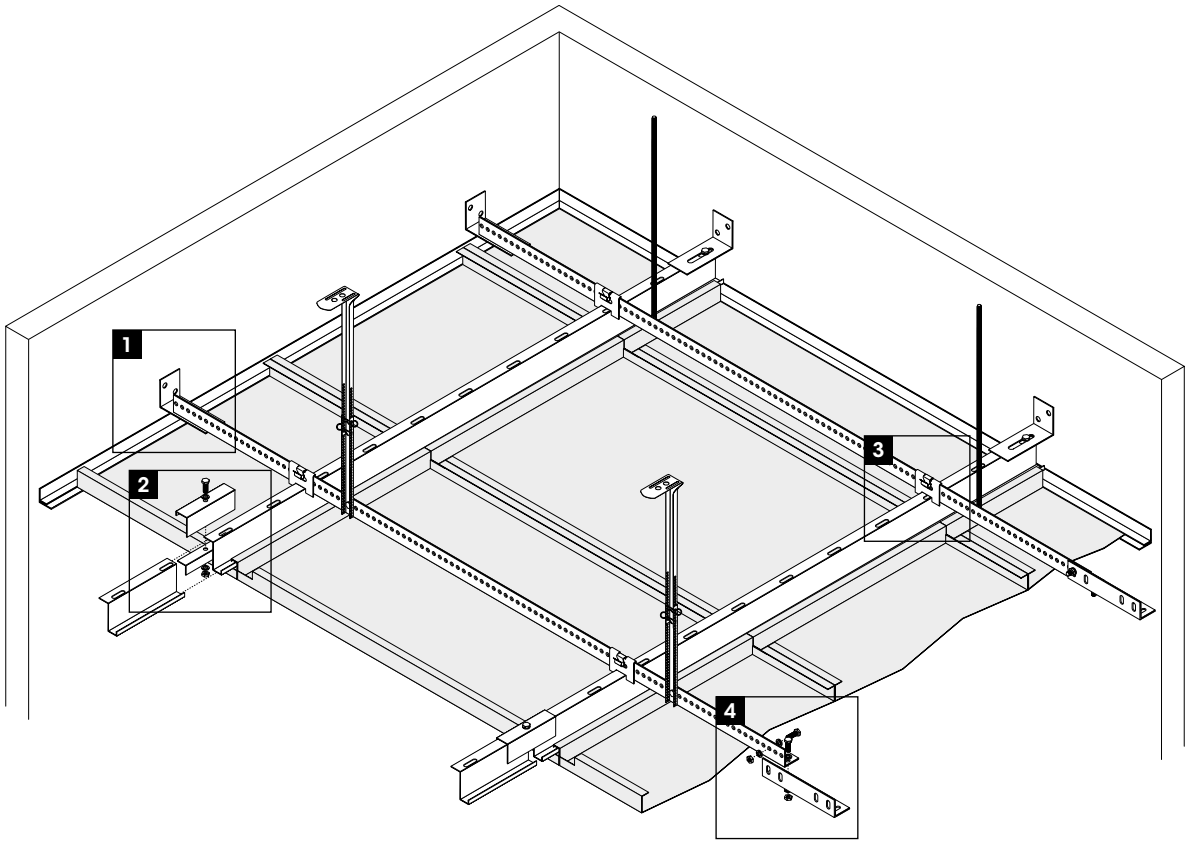
© Chris Mansfield

S4A

The classical metal ceiling system S4A expresses a purist aesthetic suitable for any room.

S4A

HOOK-ON SYSTEM



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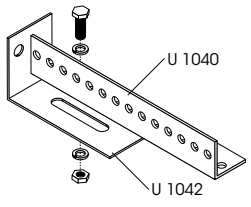

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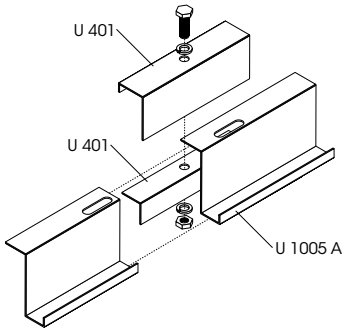

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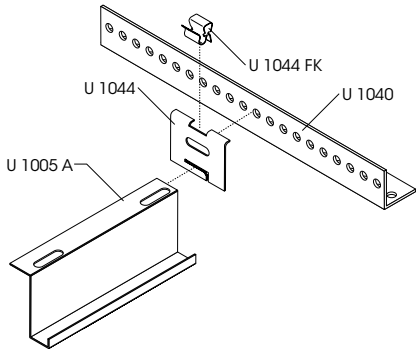

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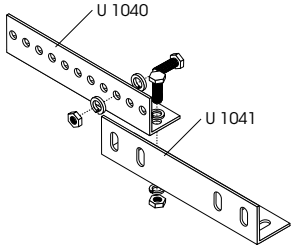


The modern durlum metal ceiling system S4A is suitable for a host of indoor applications. S4A is a ceiling with an invisible substructure which is distinguished by flexible design options in terms of materials, surfaces and size.

The rectangular metal panels can be hooked tension free into the system and are easy to demount without requiring tools. Upon request, the system can be supplied with reseals separating all panels. Depending on your requirements, the system can also be supplied sound-proof or sound-absorbing or printed with graphics.

The metal ceiling contributes directly to Green Building / LEED certification.

For further information please refer to durlum.us

MASTER FORMAT 09 50 00

MASTER FORMAT 09 51 33

> P. 66 > P. 70 > P. 84

SURFACE

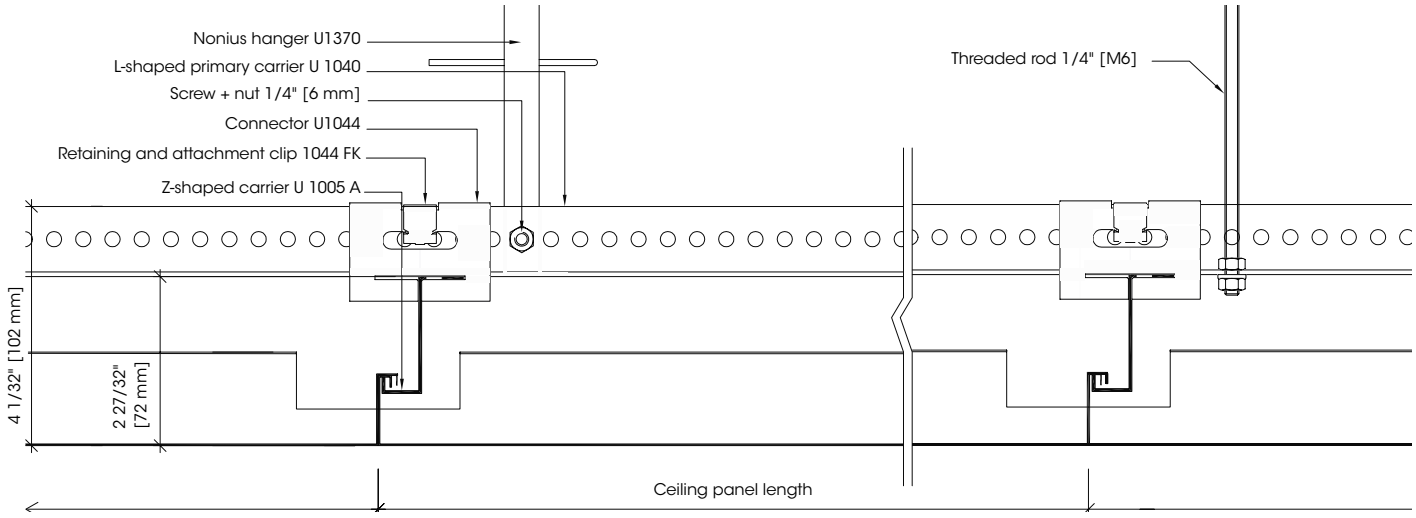
Galvanized steel, aluminum and stainless steel. The thickness of the material depends on the structural requirements. The galvanized steel and aluminum can be powder-coated in white matt [similar to RAL 9016] or according to customer specifications. The coating thickness is approx. 60 µm. The aluminum can also be supplied coil anodized or mirror polished. Stainless steel rectangular metal panels are available brushed or mirror polished. The powder-coated blanks can also be printed with graphics and textures of your choice.

DIMENSIONS

Panel size
Length: ≤ 11'-5 3/4" [≤ 3500 mm]
Width: ≤ 4'-3 1/4" [≤ 1300 mm]
Recommended surface area: ≤ 32 ft² [≤ 3 m²]

PERFORATION AND ACOUSTICS

Metal panels are available perforated with black acoustic fleece or non-perforated. durlum offers RG-L15 perforation [NRC=approx. 0.70] and RG-L08 "Pico-Point" Microperforation [NRC=approx. 0.60] as standard. For other available perforations please see www.durlum.us.



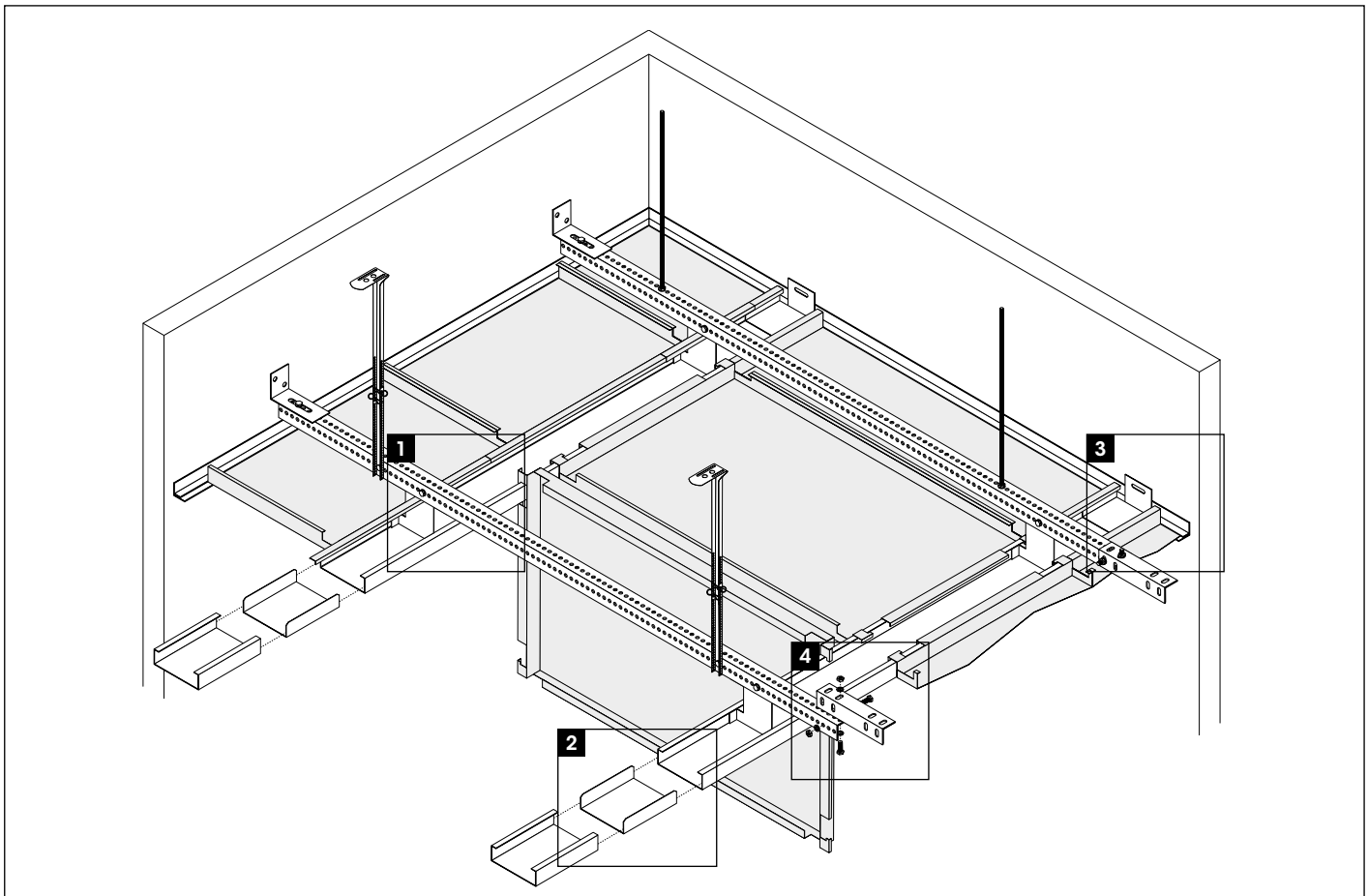
British Embassy, Warsaw, [PL]

S5A.6 FH

S5A.6 FH metal ceilings with a visible substructure offer design flexibility and high levels of functionality.

S5A.6 FH

C-CHANNEL GRID SYSTEM WITH FLANGE HOOKS



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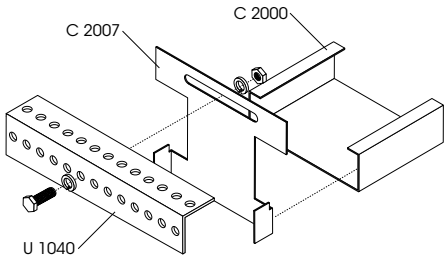

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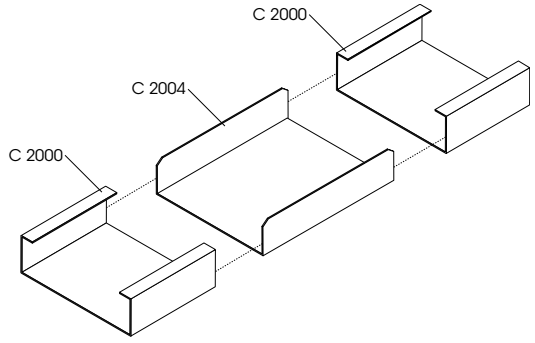

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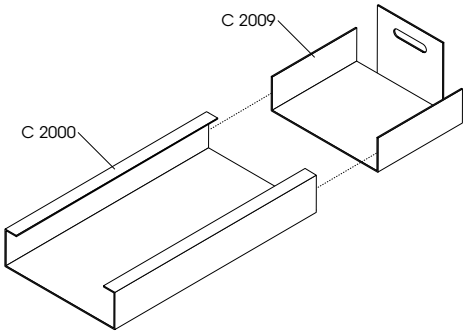

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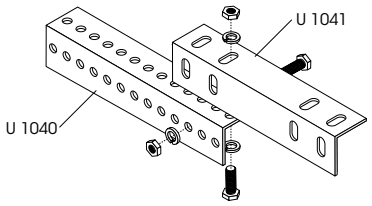


S5A.6 FH

S5A.6 FH is a linear C-channel system with flange hook mounting. It is hingeable and sliding. The system is especially suited for use in office buildings. The visible substructure allows for simple retrospective room division whereby the partitions are joined to the parallel C-channel profiles as required.

S5A.6 FH is available in numerous materials and with different surfaces. The support system S5A.6 FH is easy to demount and does not require tools and, upon request, is available with a circumferential joint. Depending on your requirements, the system can also be supplied sound-proof or sound-absorbing or printed with graphics.

The metal ceiling contributes directly to Green Building / LEED certification.

For further information please refer to durlum.us

MASTER FORMAT 09 50 00

MASTER FORMAT 09 51 33

> P. 66 > P. 70 > P. 84

SURFACE

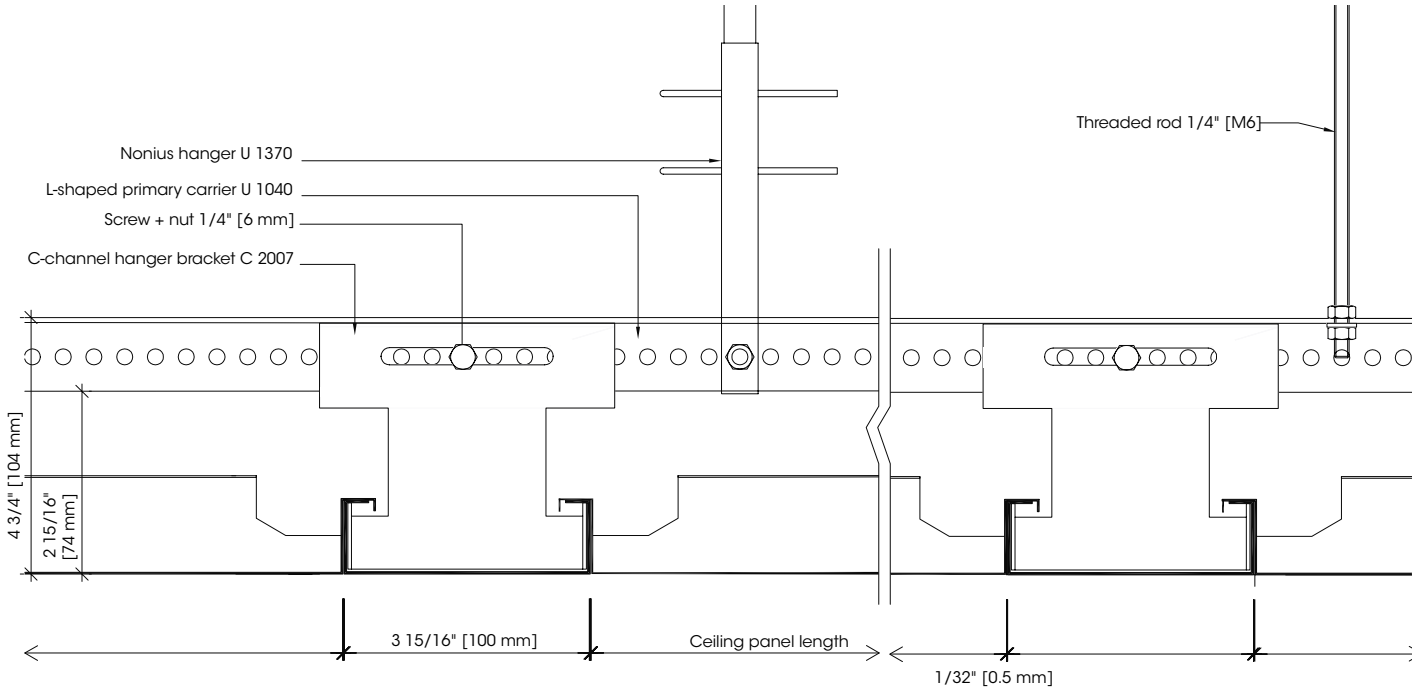
Material
Galvanized steel, aluminum, stainless steel. The thickness of the material depends on the structured requirements. The galvanized steel and aluminum can be powder-coated in white matt [similar to RAL 9016] or according to customer specifications. The coating thickness is approx. 60µm. The aluminum can also be supplied coil anodized or mirror polished. Stainless steel rectangular metal panels are available brushed or mirror polished. The powder-coated blanks can also be printed with graphics and textures of your choice.

DIMENSIONS

Panel size
Length: ≤6'-6 3/4" [≤2000mm]
Width: ≤4'-3 1/4" [≤1300mm]
Recommended surface area: 22ft² [≤2.0m²]

PERFORATION AND ACOUSTICS

Metal panels are available perforated with black acoustic fleece or non-perforated. durlum offers RG-L15 perforation [NRC=approx. 0.70] and RG-L08 "Pico-Point" Microperforation [NRC=approx. 0.60] as standard. For other available perforations please see www.durlum.us.



Moët Hennessy, New York [US]

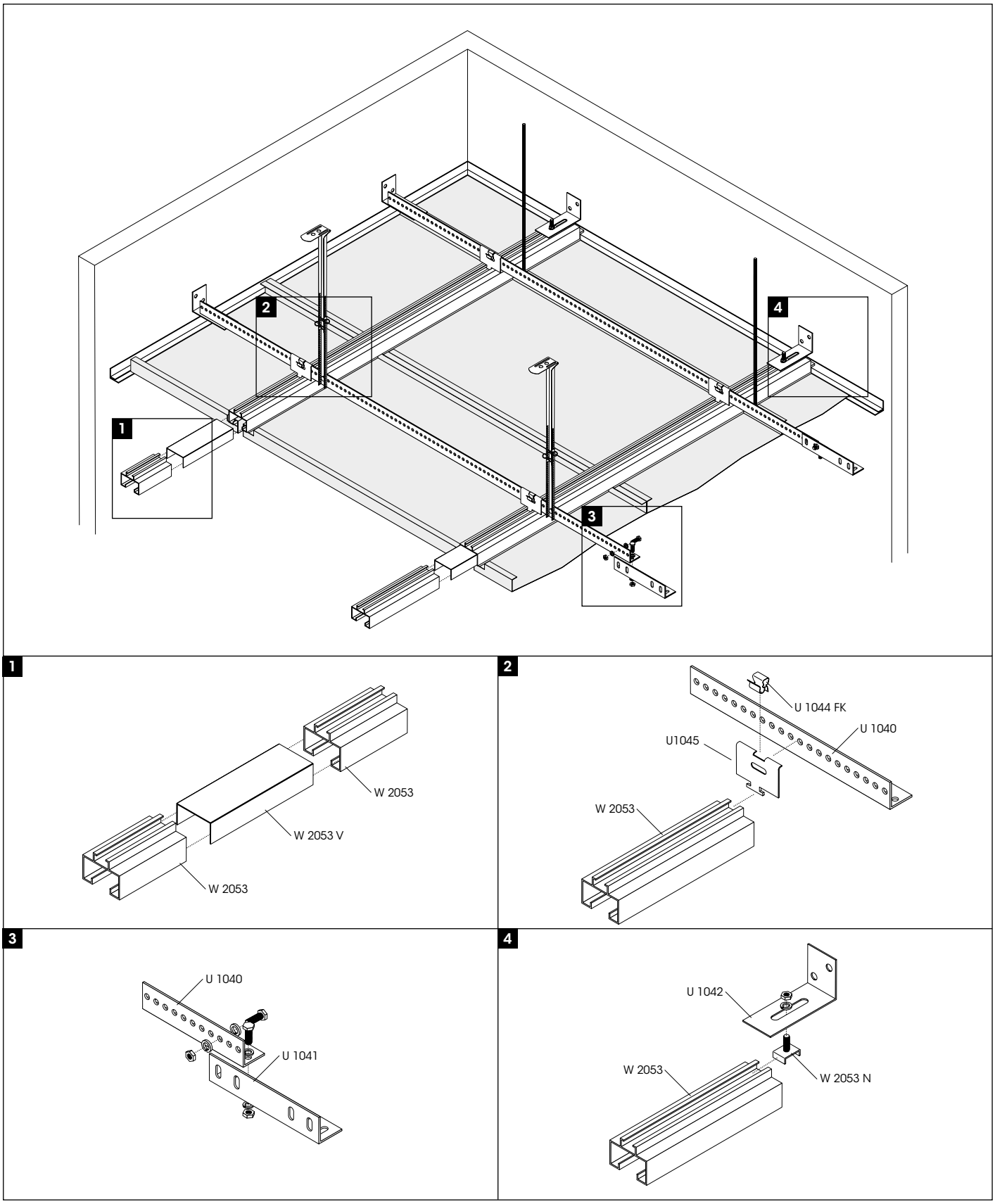
© Eric Laignel

S7

S7 metal ceilings are multipurpose ceiling solutions, highly functional and with a purist aesthetic.

S7

RAIL CHANNEL SYSTEM



The modern durlum S7 metal ceiling offers a host of applications.The rail channel system is especially suited for sales areas, transportation buildings or other applications requiring ceilings with integrated sign-posting. Its solid design also makes it suitable for sports halls or other areas subject to pull and impact forces.

S7 is distinguished by flexible design options in terms of materials, surfaces and design. With its symmetrical panels, the S7 hook-in system with a front-sided reveal of 13/32"[10mm] standard allows for easy planning and is easy to demount and without requiring tools. The integration of partitions is possible upon request. Depending on your requirements, the system can also be supplied sound-proof or sound-absorbing or printed with graphics.

The metal ceiling contributes directly to Green Building / LEED certification.

For further information please refer to durlum.us

MASTER FORMAT 09 50 00

MASTER FORMAT 09 51 33

> P. 66 > P. 70 > P. 84

SURFACE

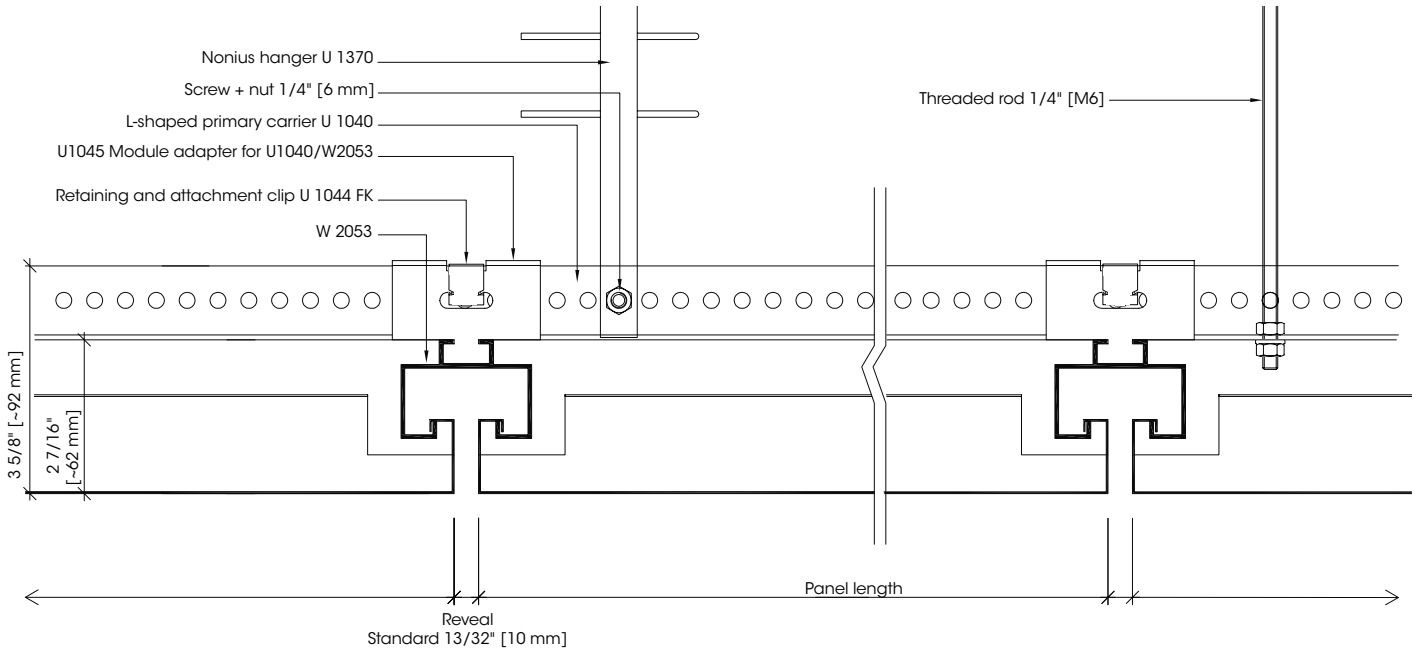
Galvanized steel, aluminum, stainless steel. The thickness of the material depends on structural requirements. The galvanized steel and aluminum can be powder-coated in white matt [similar to RAL 9016] or according to customer specifications. The coating thickness is approx. 60µm. The aluminum can also be supplied coil anodized or mirror polished. Stainless steel rectangular metal panels are available brushed or mirror polished. The powder-coated blanks can also be printed with graphics and textures of your choice.

DIMENSIONS

Panel size
Length: ≤11'-5 3/4" [≤3500mm]
Width: ≤4'-3 3/4" [≤1300mm]
Recommended surface area: ≤ 32ft² [≤3.0m²]

PERFORATION AND ACOUSTICS

Metal panels are available perforated with black acoustic fleece or non-perforated. durlum offers RG-L15 perforation [NRC=approx. 0.70] and RG-L08 "Pico-Point" Microperforation [NRC=approx. 0.60] as standard. For other available perforations please see www.durlum.us.



Alior Bank, Warsaw [PL]

© Nate Cook Photography

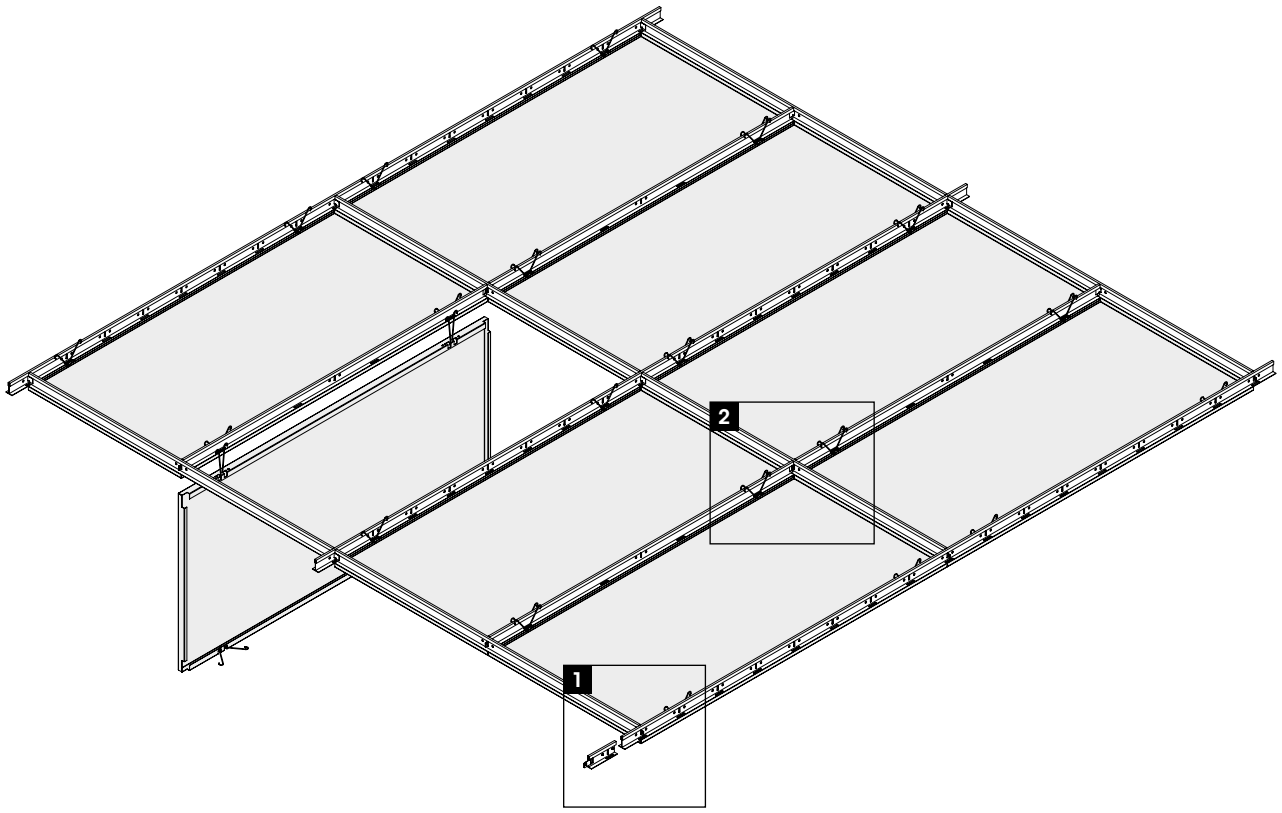
S12 TORSION SPRING

S12 TORSION SPRING is modular metal ceiling system with a concealed suspension and precise panel alignment.

S12 TORSION SPRING

TORSION SPRING SYSTEM

S12 TORSION SPRING



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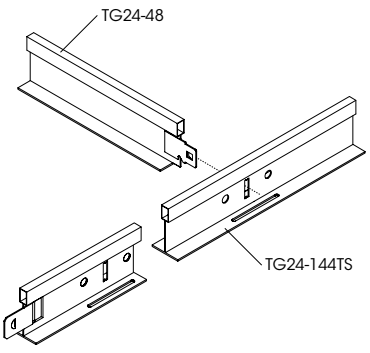

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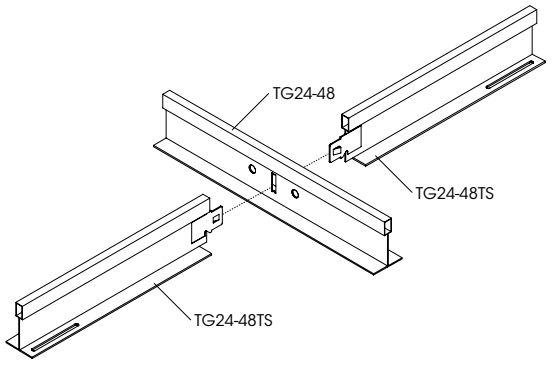

S12 TORSION SPRING

S12 TORSION SPRING is an elegant metal ceiling system with a concealed suspension. The panels are clipped into the indexed T-Grid via torsion springs, ensuring precise alignment.

Each panel can be hinged downward individually on the long side for maintenance work, using a demounting tool. By slightly compressing the torsion springs, the panels can be removed from the T-Grid.

S12 TORSION SPRING can be seamless or with reveal and is suitable for vertical and angled applications. It is available in various colors, finishes and perforations.

The modular ceiling system is highly adaptable to customer requirements. Even complex geometries can be realised.

The metal ceiling contributes directly to Green Building / LEED certification.

For further information please refer to durlum.us

MASTER FORMAT 09 50 00

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> P. 66 > P. 70 > P. 84

SURFACE

Galvanized steel, aluminum, stainless steel. The thickness of the material depends on the static requirements. Standard thickness: 0.0276" [0.7 mm]. The galvanized steel and aluminum can be powder-coated in Traffic White [sim. to RAL 9016], White Aluminum [sim. to RAL 9006], Grey Aluminum [sim. to RAL 9007] or according to customer specifications. The coating thickness is approx. 60 µm. The powder-coated blanks can also be printed with graphics and textures of your choice.

DIMENSIONS

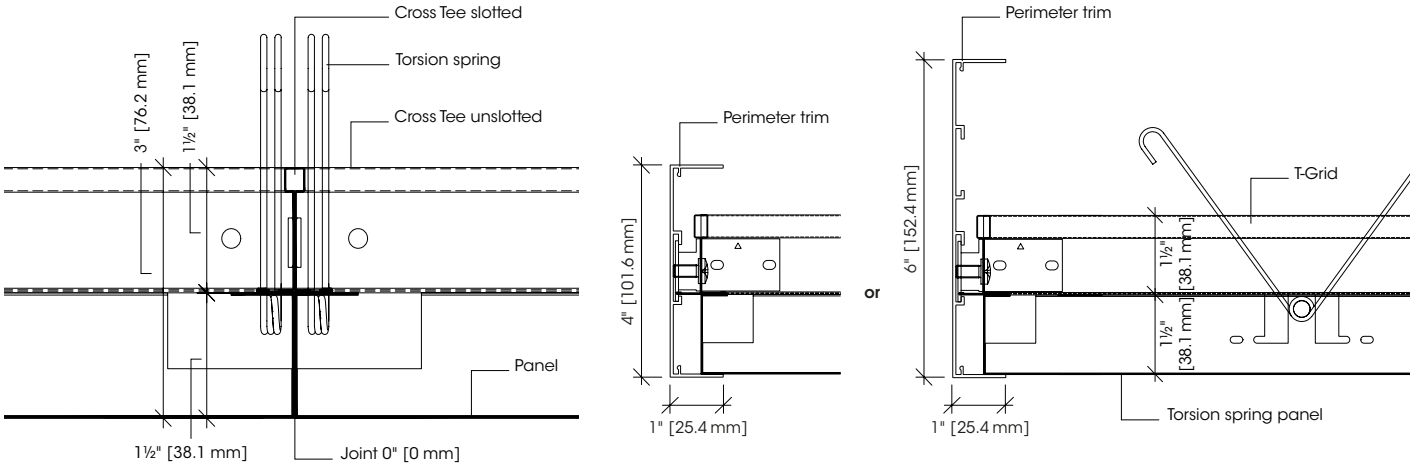
Standard panel sizes

- 24" x 24" [609.6 x 609.6 mm]
- 24" x 48" [609.6 x 1 219.2 mm]
- 24" x 72" [609.6 x 1 828.8 mm]
- 24" x 96" [609.6 x 2438.4 mm]
- 48" x 48" [1 219.2 x 1 219.2 mm]

Custom sizes up to 24" x 144" [609.6 x 3657.6 mm] are available upon request. Panel heights from 0.79" [20.1 mm] to 1.5" [38.1 mm] are possible.

PERFORATION AND ACOUSTICS

Metal panels are available perforated with black acoustic fleece or non-perforated. durlum offers RG-L15 perforation [NRC = approx. 0.70], RG-L08 "Pico-Point" Microperforation [NRC=approx. 0.60], RG-L29, RV-L6, RD-L30 and RD-L33 as standard. For other available perforations please see www.durlum.us.



EXPANDED METAL

Ed Robson Arena, Colorado Springs [US]

© Ron Pollard

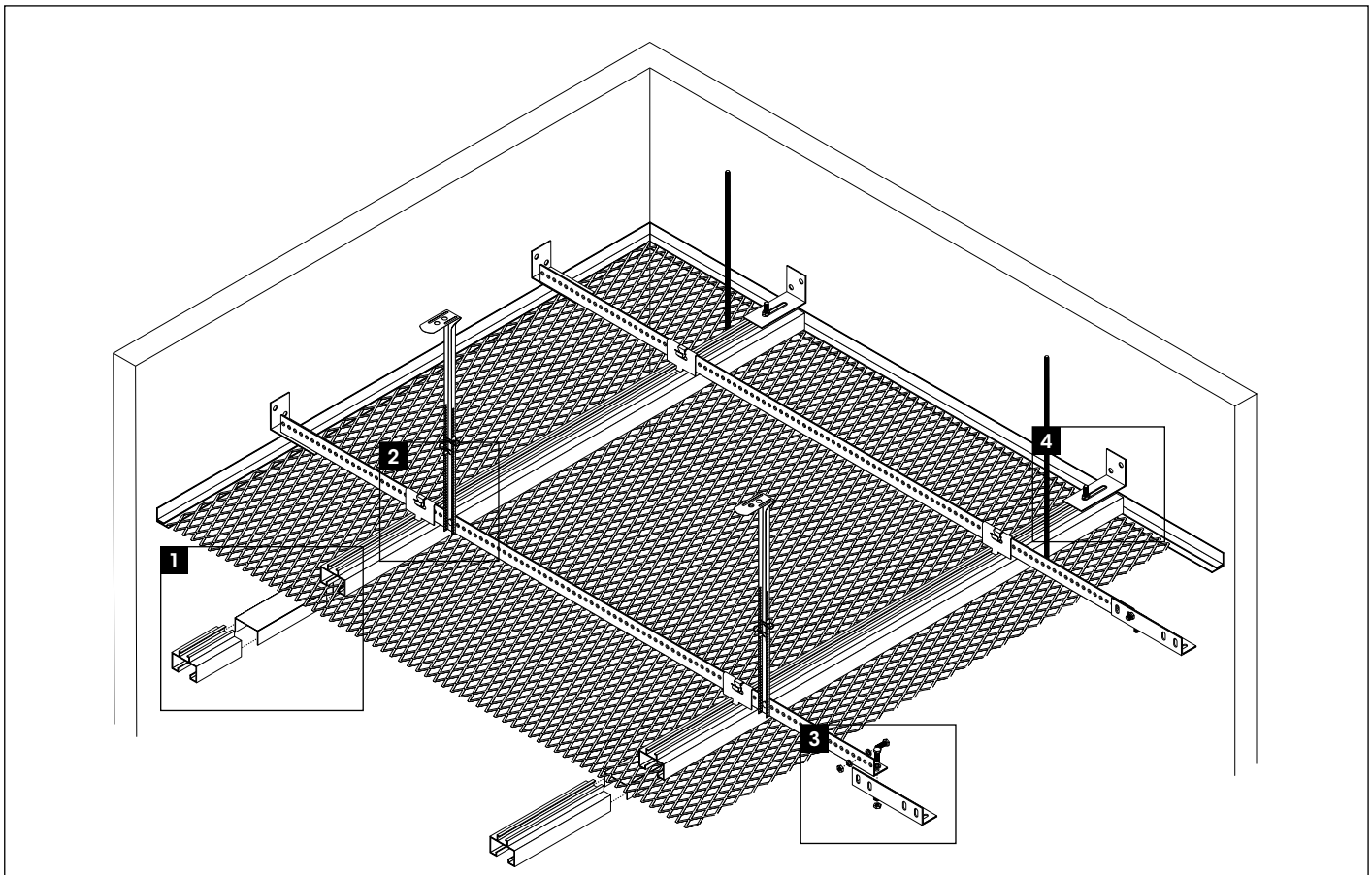
S7 RHOMBOS

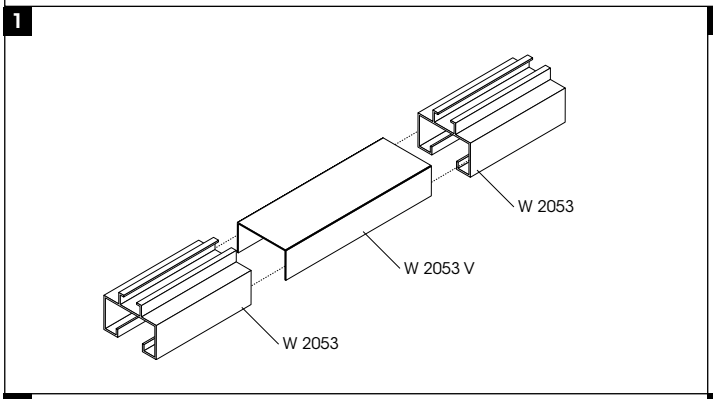
S7 RHOMBOS expanded metal ceilings create a feeling of open space. Depending on the mesh size, they make the ceiling appear transparent or closed.

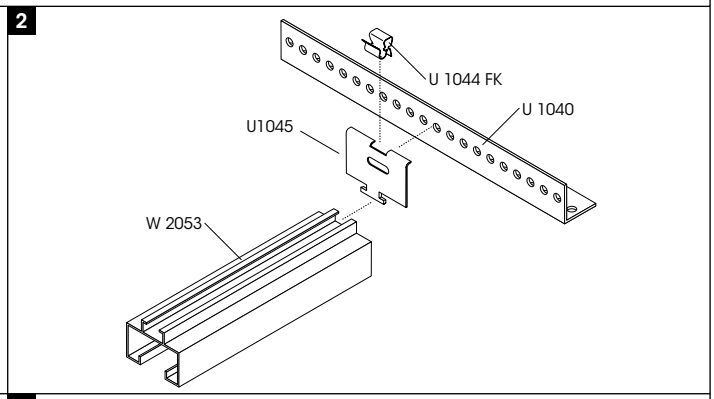
S7 RHOMBOS

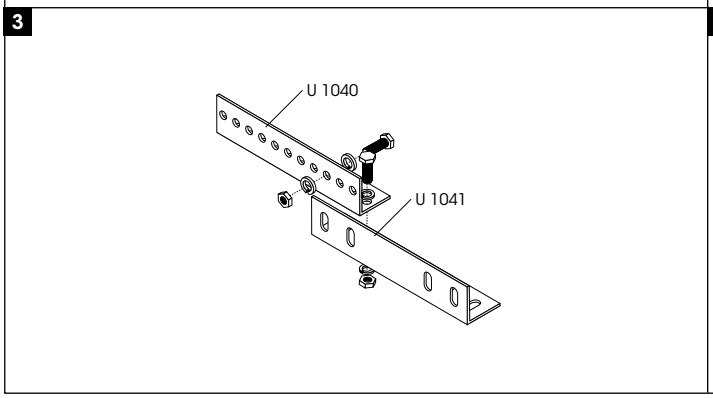
RAIL CHANNEL SYSTEM

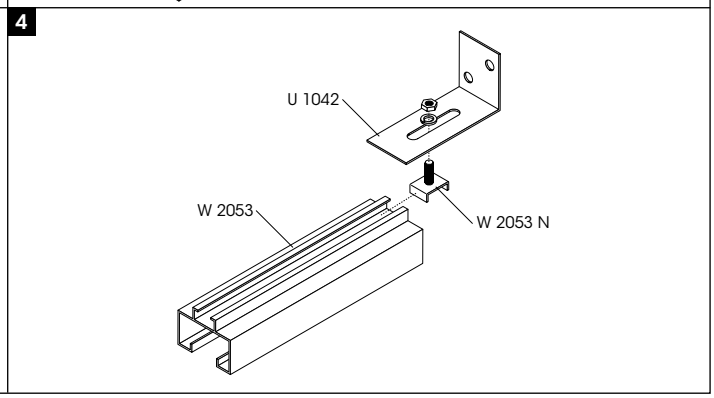
S7 RHOMBOS











S7 RHOMBOS

The open expanded metal ceiling S7 RHOMBOS offers a host of applications. The rail channel system is especially suited for sales areas, transportation building or other applications requiring ceilings with integrated sign-posting. Its solid design also makes it suitable for sports halls and wall cladding.

S7 RHOMBOS is distinguished by highly flexible design options. With its symmetrical panels, the S7 hook-in system with a front-sided reveal of 13/32" [10mm] standard allows for easy planning and is easy to dismount from the bottom side at each point. Furthermore, the system can be supplied sound-proof and sound-absorbing according to your needs.

The metal ceiling contributes directly to Green Building / LEED certification.

For further information please refer to durlum.us

MASTER FORMAT 09 50 00

MASTER FORMAT 09 51 33

> P. 84

SURFACE

Galvanized steel, aluminum, stainless steel. The thickness of the material depends on the static requirements. The galvanized steel and aluminum can be powder-coated in white matt [similar to RAL 9016] or according to customer specifications. The coating thickness is approx. 60µm. The aluminum can also be supplied coil anodized or mirror polished. Stainless steel expanded metal panels are available brushed or mirror polished.

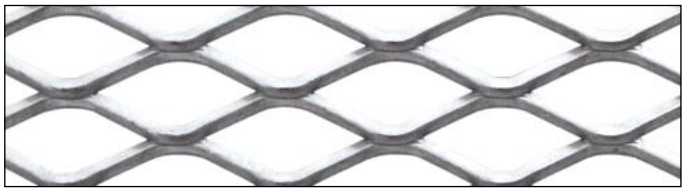
DIMENSIONS

Module size
Normally expanded: max. 3'-7 1/4" × 8'-2 1/2" [1100×2500mm]
Flat rolled: max. 2'-7 1/2" × 8'-2 1/2" [800×2500mm]
Larger dimensions on request.

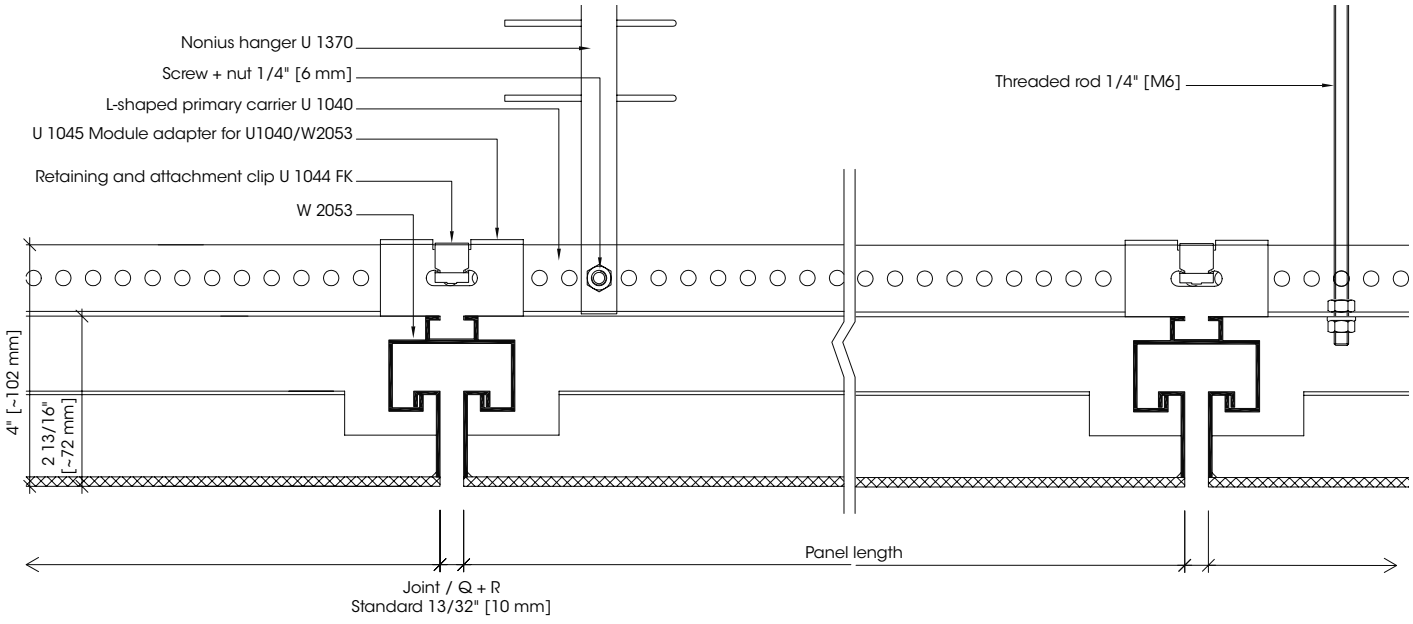
MESH AND ACOUSTICS

durlum offers expanded metal panels with medium sized mesh M260_1.5 [open area ~66%]or M400 [open area ~50%] as standard. Other mesh types may be available upon request. Expanded metal panels can be supplied with black acoustic fleece [closed area].

M260



M400



CHARACTER

SIKA, Zürich [CH]

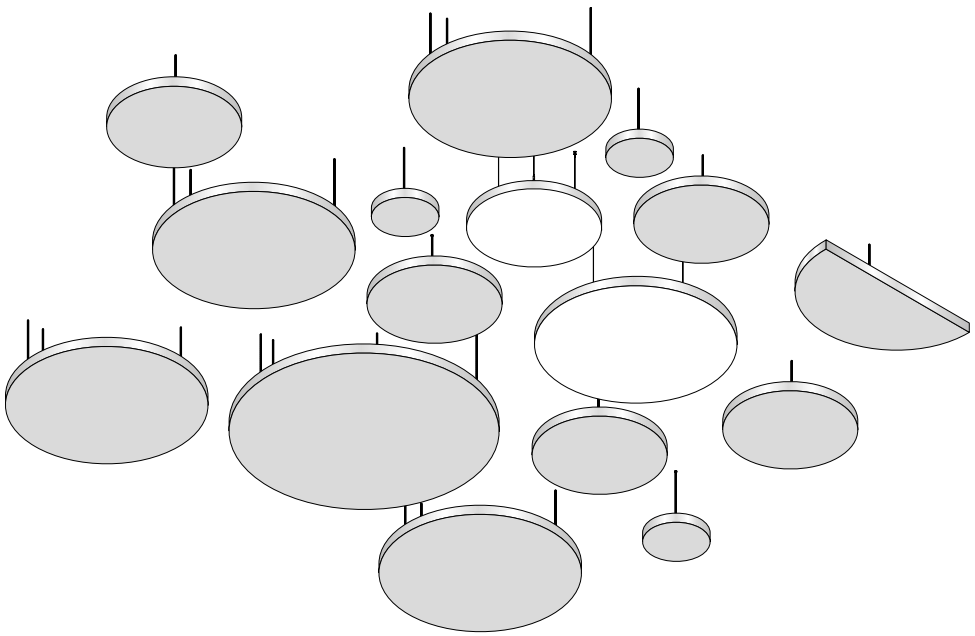
© Rainer Keser

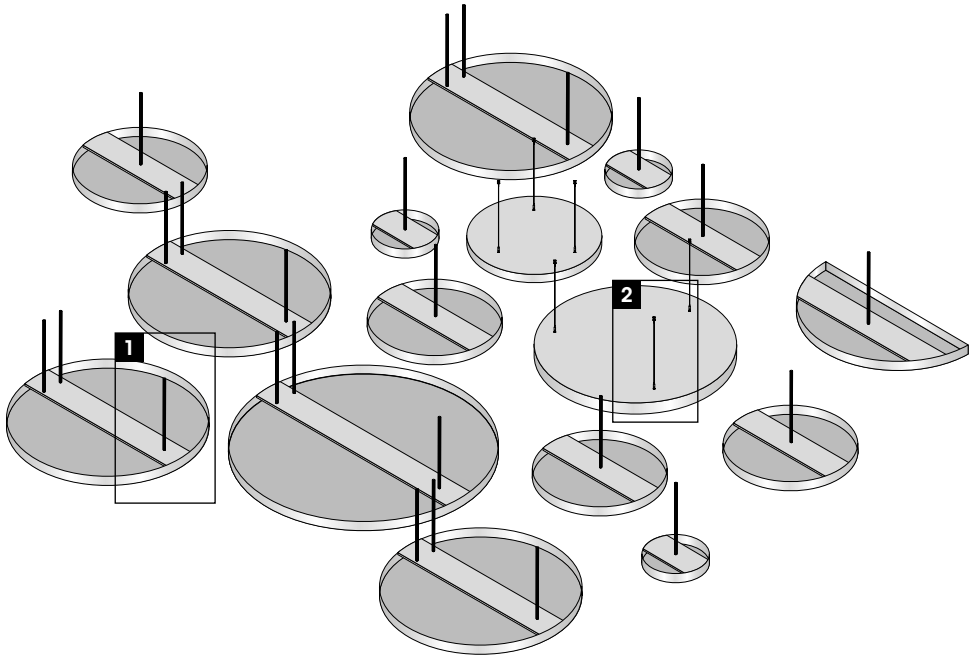
TOMEO-R

TOMEO-R is an aesthetic ceiling and lighting combination consisting of round metal ceiling elements and round LUMEO-R lights. Thanks to its various element sizes, TOMEO-R is suitable for use in any room.

TOMEO-R

CEILING-LIGHTING-COMBINATION





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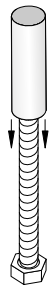
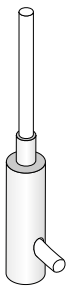


Threaded rod with or without white pipe sleeve

2



Cable suspension for LUMEO-R

TOMEO-R

The esthetic ceiling-lighting-combination TOMEO-R integrates itself perfectly in rooms with a particular atmosphere. The ceiling and lighting elements are optimally coordinated with each other and can be designed individually in size, form and color. The open system is suitable for rooms with or without cement core activation and integrates discreetly in the ceiling concept functions like acoustic, smoke evacuation and sprinklers.

The LUMEO-R LED-illuminated surfaces stand out due to an homogeneous illumination. The luminaire is covered with our tried and tested, high-quality DUROSATIN®.

For further information please refer to durlum.us

MASTER FORMAT 09 50 00

MASTER FORMAT 09 51 33

> P. 66 > P. 70 > P. 84

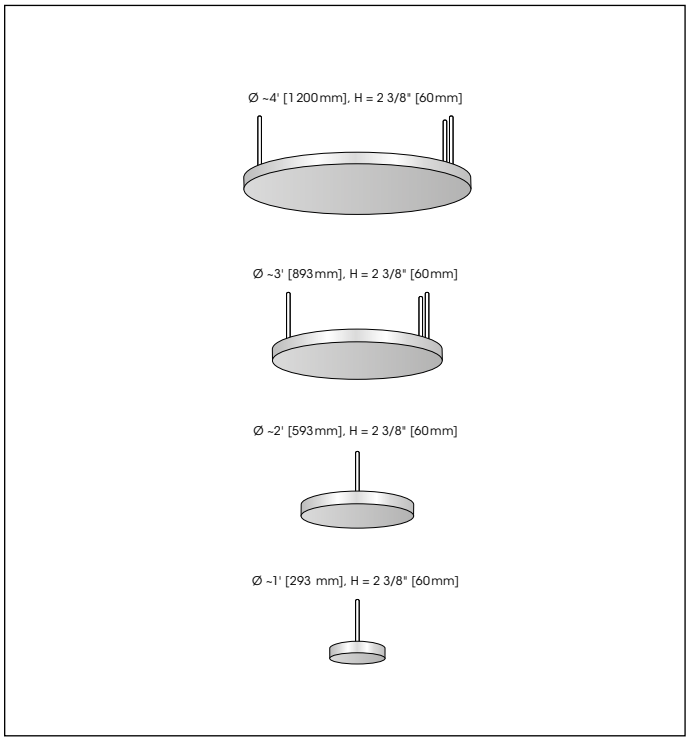
SURFACE

TOMEO-R ceiling elements and LUMEO-R luminaires can all be supplied in any RAL-colors. durlum standard is similar to RAL 9010 and RAL 9016.

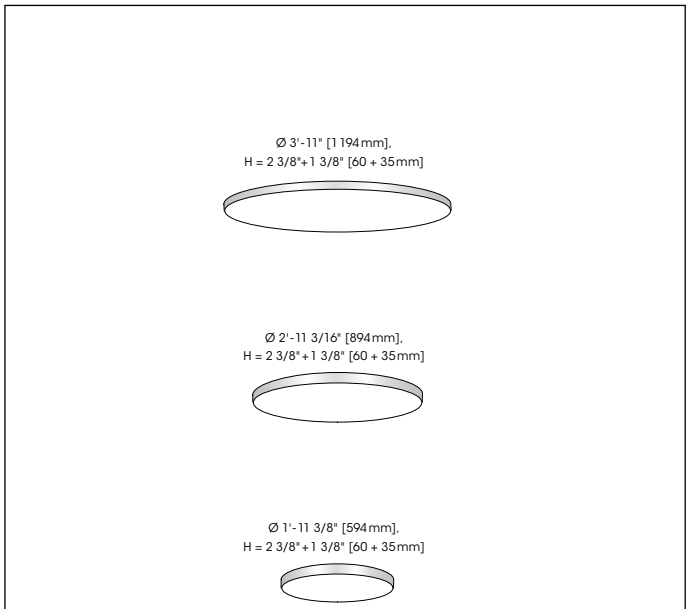
PERFORATION AND ACOUSTICS

TOMEO-R can be equipped with various absorption materials, e.g. fleece-clad mineral wool. TOMEO-R also absorbs through non-perforated surfaces. The ceiling elements can also be supplied in perforated form with acoustic fleece-backed material. The RD-L30 perforation pattern is highly suited to this purpose.

TOMEO-R ceiling element



LUMEO-R LED illuminated surfaces



Ludwig-Maximilians-University, Munich [DE]

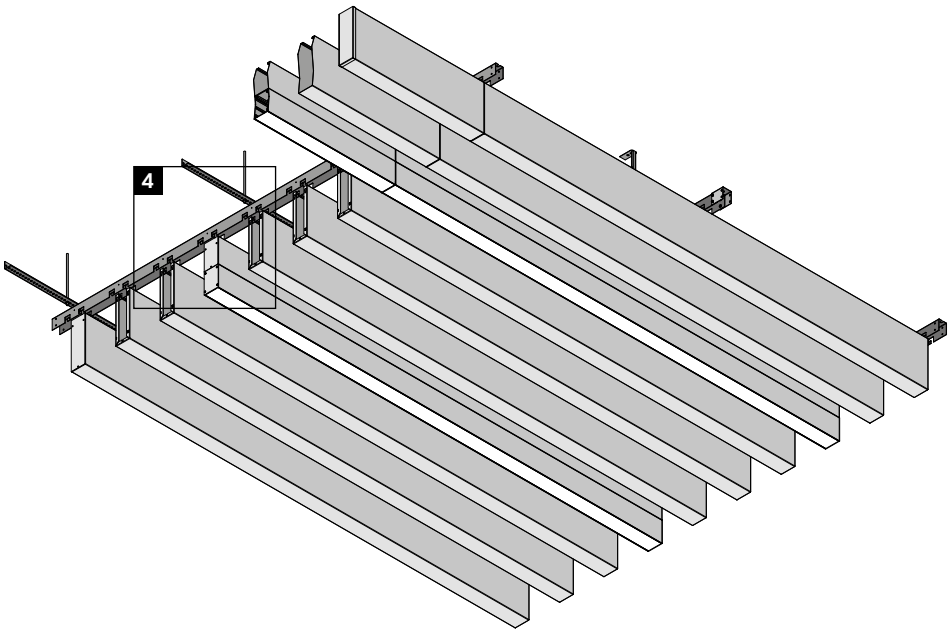
© Ines Jenewein / Kai Otto Architekten

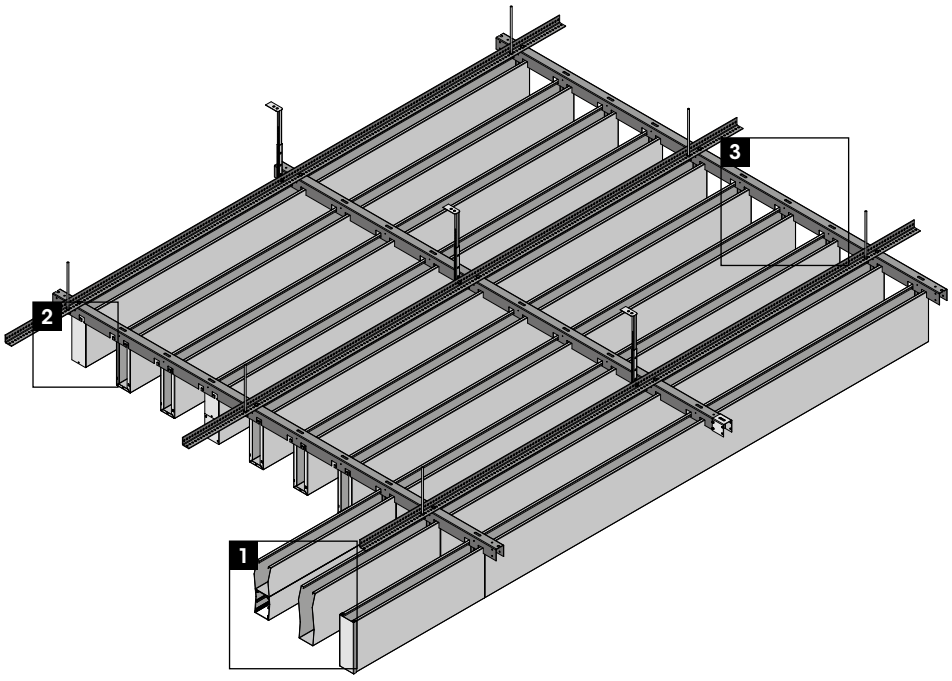
POLYLAM

The modern vertical baffle system POLYLAM places the architecture deliberately in the limelight. The open ceiling fascinates by its space limiting action and by its particular acoustic properties, especially in rooms with high sound absorbtion requirements.

POLYLAM

VERTICAL BAFFLE SYSTEM





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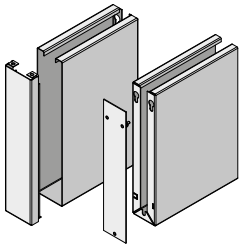
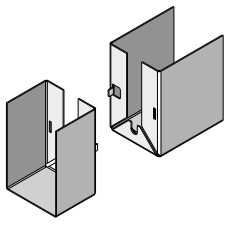


End cap / end cover with F-lip

2



Connection detail

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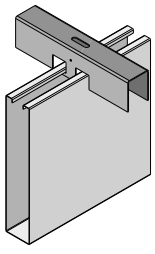

U-Carrier

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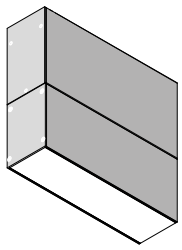


OMEGA 60 Lighting channel
coming soon

POLYLAM places the architecture in the limelight. This modern vertical baffle system with acoustic properties offers varied designing options and can also be used in thermally-active building systems. The customer can choose the color or get it printed in wood design to create individual ceiling configurations. Together with the linear OMEGA 60 lighting channel, it is possible to create completely new designs.

The metal ceiling contributes directly to Green Building / LEED certification.

For further information please refer to durlum.us

MASTER FORMAT 09 50 00

MASTER FORMAT 09 51 33

> P. 66 > P. 70 > P. 84

SURFACE

POLYLAM elements can be made out of galvanized sheet steel or aluminum. The surfaces are white powder-coated, similar to RAL 9016. Other RAL colors, colored surfaces or imprinted surfaces are available, e.g. in DUROPLAN W wood design.

DIMENSIONS

Baffle width: 1 9/16", 2 15/32" or 3 15/16" [40, 63 or 100 mm]
Special requests: 1 3/16"-3 15/16" [30-100 mm]

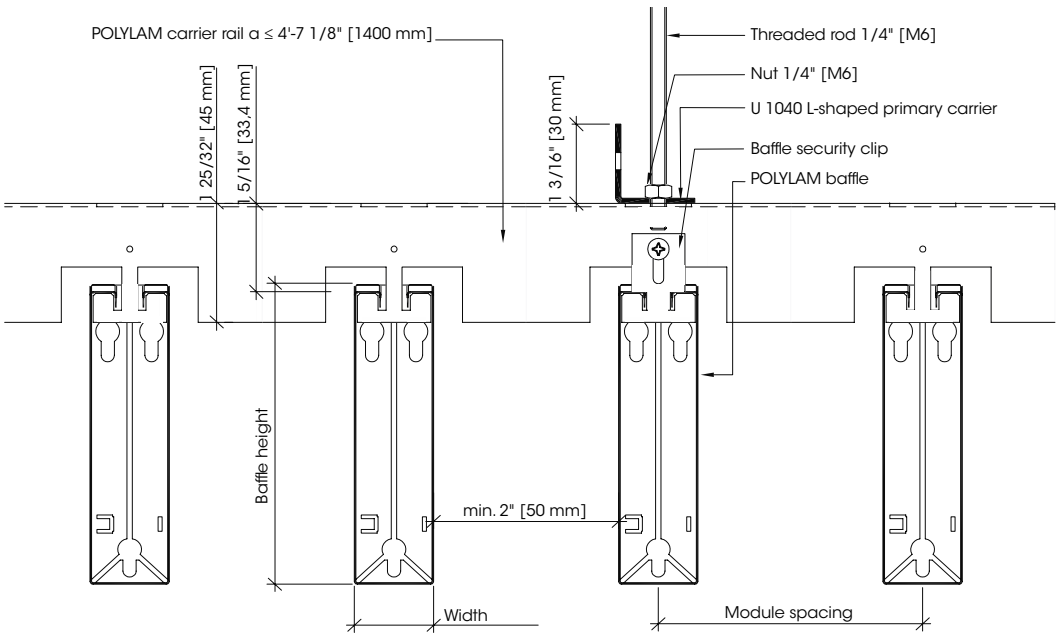
Baffle length: 11 13/16" to 12`-5 19/32" [300 to 3 800 mm]

Baffle height: 3 15/16" to 1` 2 3/16" [100 to 360 mm]
Special requests: 1 3/16" to 2`-7 1/2" [30 to 800 mm]

The module can be selected at random. The smallest module spacing is calculated by adding 1 31/32" [50 mm] to the width of the baffle.

PERFORATION AND ACOUSTICS

Metal panels are available perforated with black acoustic fleece or non-perforated. durlum offers RV-L6 perforation and RG-L15 perforation as standard. For other available perforations please see www.durlum.us. The baffles may be designed with perforated sides as well as perforated underneath. Acoustical requirements will determine the number of baffles, their height and their width. Acoustic data sheets may be available upon request.



© Thomas Krauss

LOOP

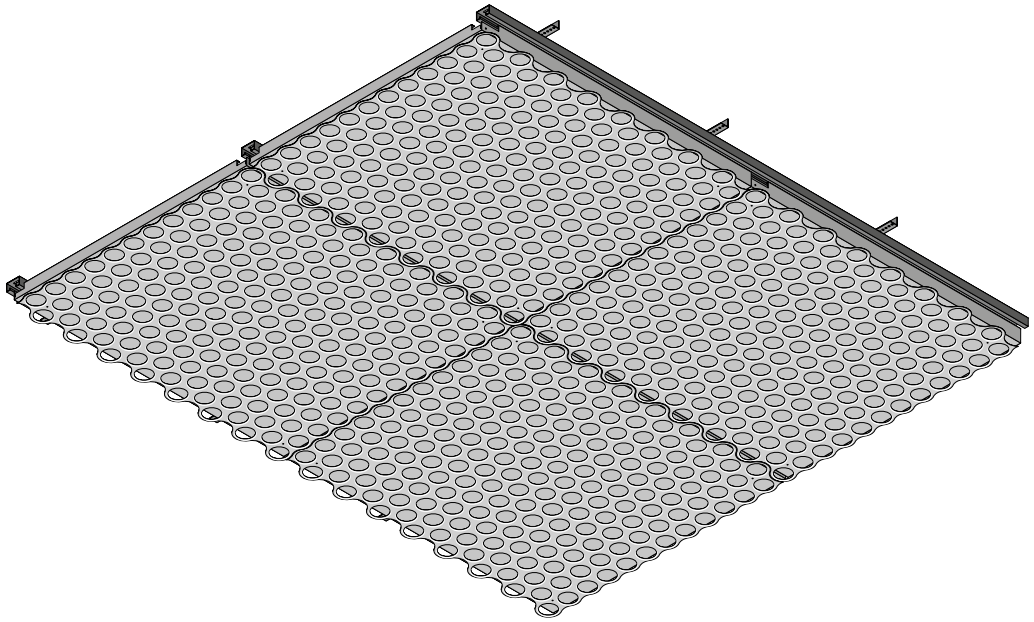
Characteristic for the elegant open metal ceiling LOOP are its typical curves. Arranged in rows, round openings define the jointless ceiling image and provide optimum alignment of the individual ceiling elements with their soft rounded contours. 5 mm deep openings create a three-dimensional visual effect for the system and support the screening of the ceiling void.

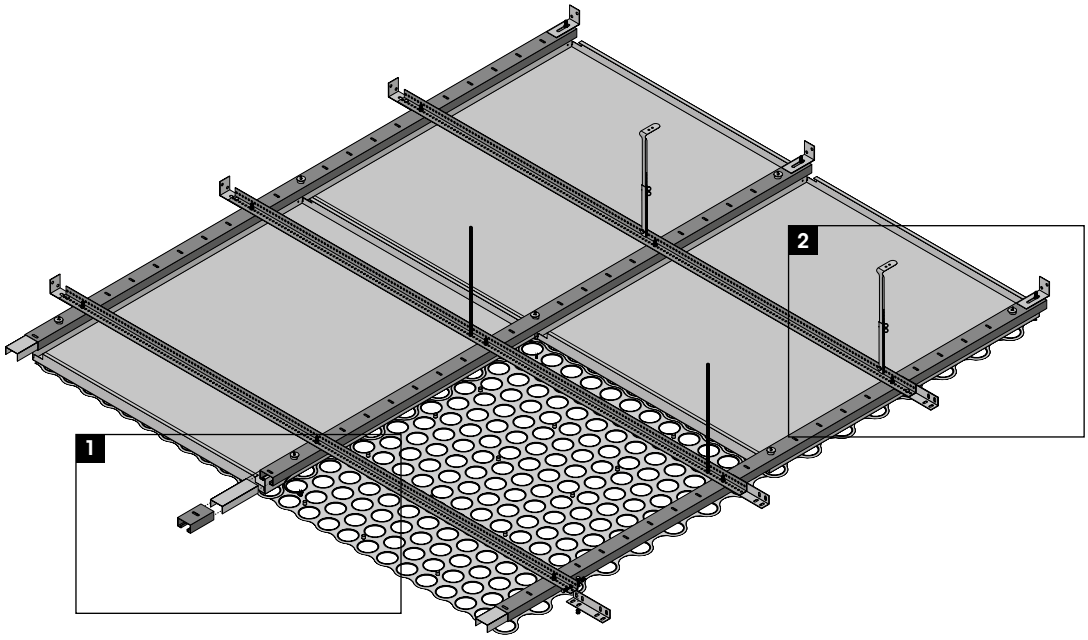
LOOP TYPE 3

MAGNETIC SYSTEM WITH CLOSED BACKING

LOOP® TYPE 3

MAGNETIC SYSTEM WITH CLOSED BACKING





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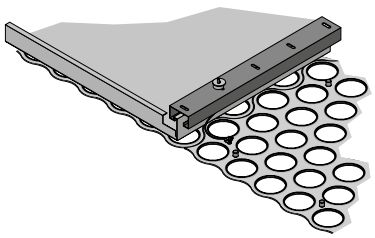
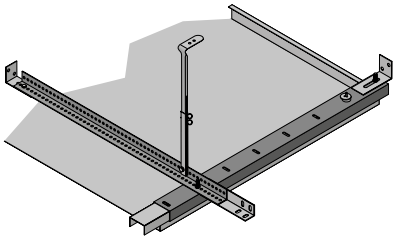
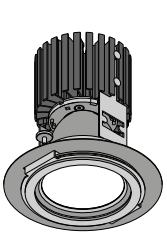


Force fitted magnetic connections and safety ropesé

2



Ceiling suspension and wall anchor



Coming soon: Lighting spot with LOOP® adapter

LOOP® TYPE 3

The elegant metal ceiling LOOP TYPE 3 stands out thanks to its characteristic design and its high user comfort. The possibility to choose individual functions like acoustic and lighting allows multipurpose applications. The two-piece magnetic system creates a closed ceiling configuration with no visible fastening and can be easily removed. The possibility of choosing the color of the base ceiling and the LOOP element create new designing dimensions.

The metal ceiling contributes directly to Green Building / LEED certification.

For further information please refer to durlum.us

MASTER FORMAT 09 50 00

MASTER FORMAT 09 51 33

> P. 84

SURFACE

The LOOP TYPE 3 elements made of 1/32" [1 mm] thick sheet steel are available in any RAL colors. The false ceiling can be selected in the same shade or in another one.

DIMENSIONS

LOOP Ceiling
Panel size: 3'-8 1/4" × 3'-3 17/32" [1 124,23 mm × 1 004,25 mm]
Module size: 3'-7 29/32" × 3'-2 1/32" [1 115,4 mm × 966 mm]
Joint width: 3/32" [2 mm]

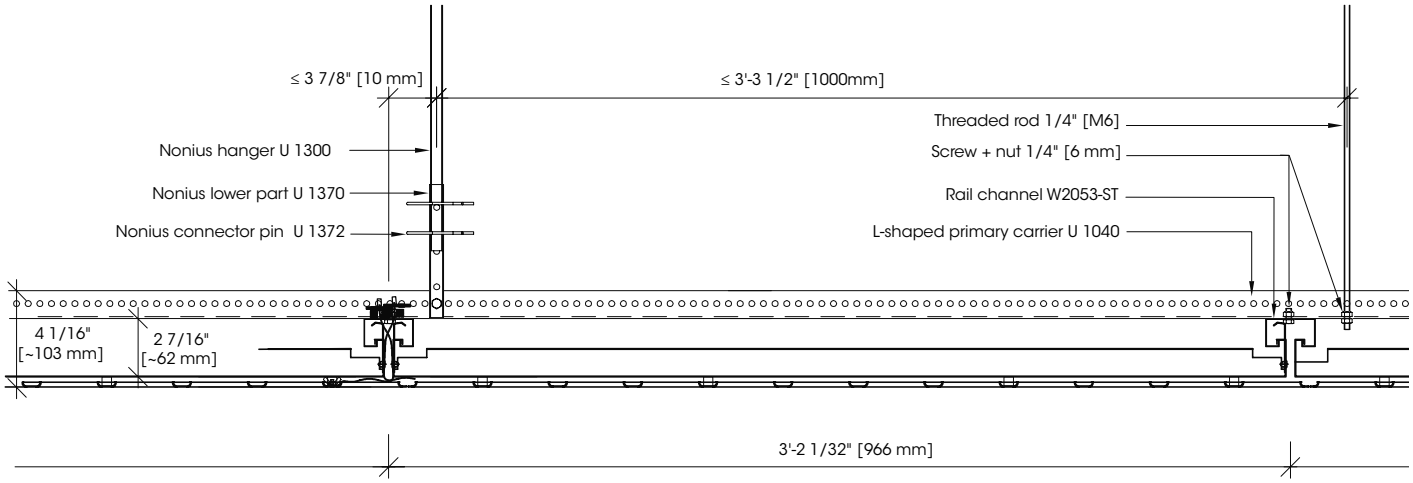
S7 False ceiling
Panel size: 3'-7 29/32" × 3'-1 5/8" [1 115 mm × 956 mm]
Joint width: 13/32" [10 mm]

ACOUSTICS

LOOP TYPE 3 is acoustically effective in the standard version due to the base ceiling [perforated rectangular metal panel in the system S7 KS].

MECHANICAL-ELECTRICAL

Next to lighting, other utilities such as ventilation, sprinklers or cable lines can also be integrated without any difficulties.



OPEN-CELL

Dozentenfoyer ETH Zurich, Zürich [CH]

© Oliver Kern

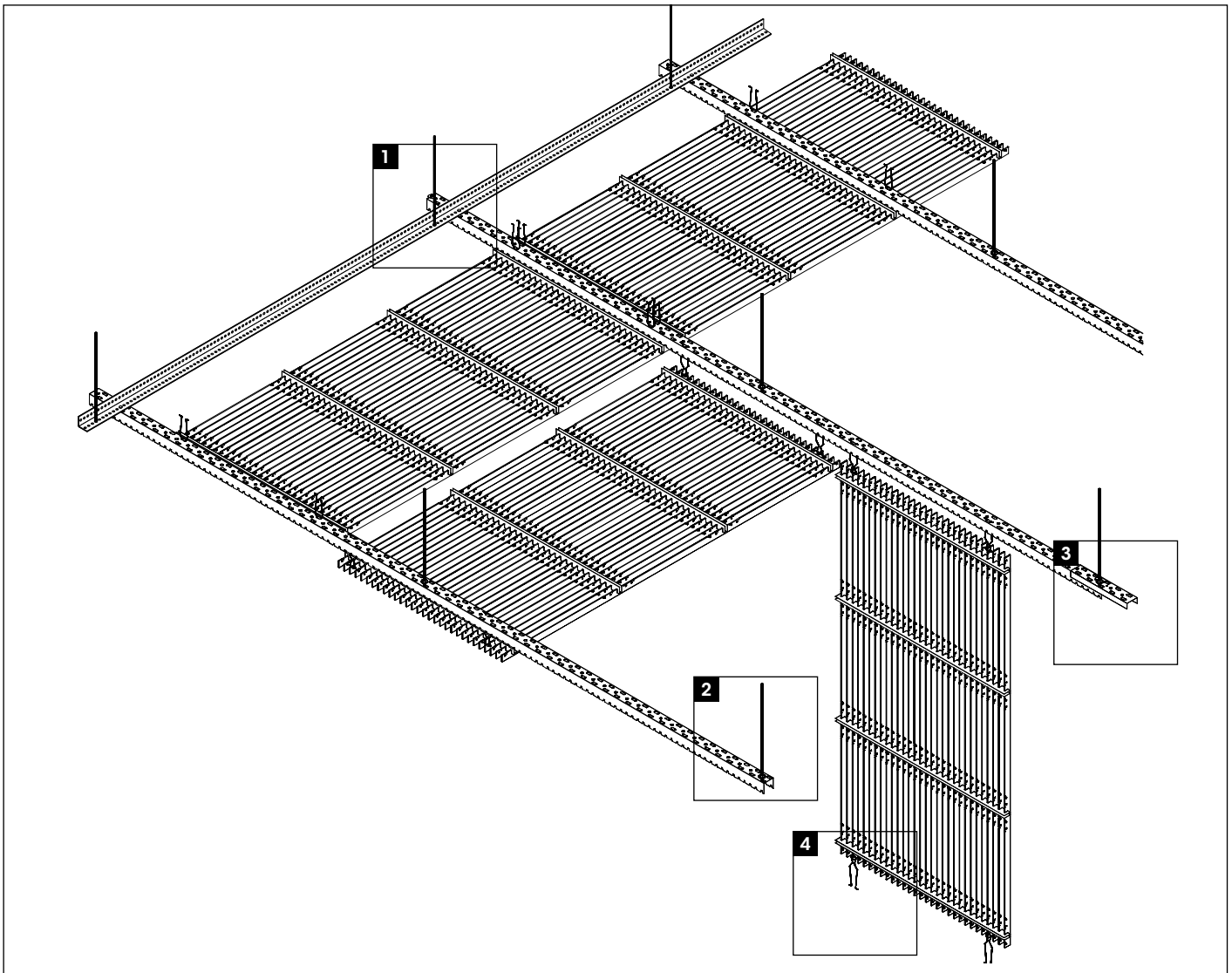
STAR 3

Open-cell ceiling STAR 3 is intended for projects requiring an aesthetic finish. Its fine lines lend an unmistakable elegance to its airy appearance.

STAR 3

OPEN-CELL CEILING

STAR 3



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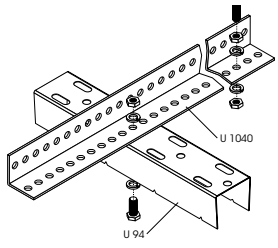

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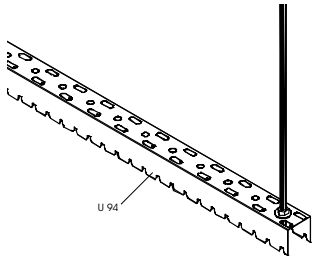

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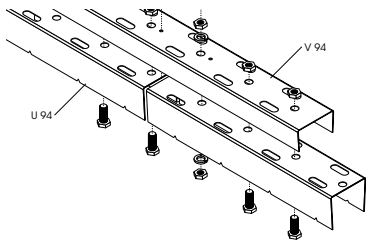

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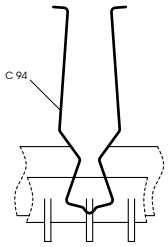
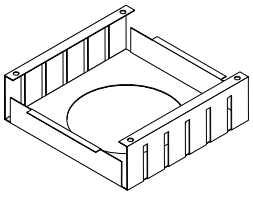
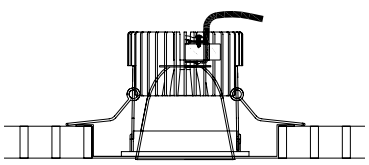




Modular plate



Coming soon!

STAR 3

STAR 3 is a delicate, linear open-cell ceiling. The combination of the blades and the clearly defined edges creates a unique appearance. If the main blades are painted in different colors, completely new ceiling designs are generated in combination with the recessed black secondary blades.

STAR 3 is available with different spacing. Downlights can be easily integrated into the system using modular panels.

The metal ceiling contributes directly to Green Building / LEED certification.

For further information please refer to durlum.us

MASTER FORMAT 09 50 00

> P. 84

SURFACE

Main blades: White, black, RAL 9006
Other colors available on request
Secondary blades: Black

Material: Aluminum

DIMENSIONS

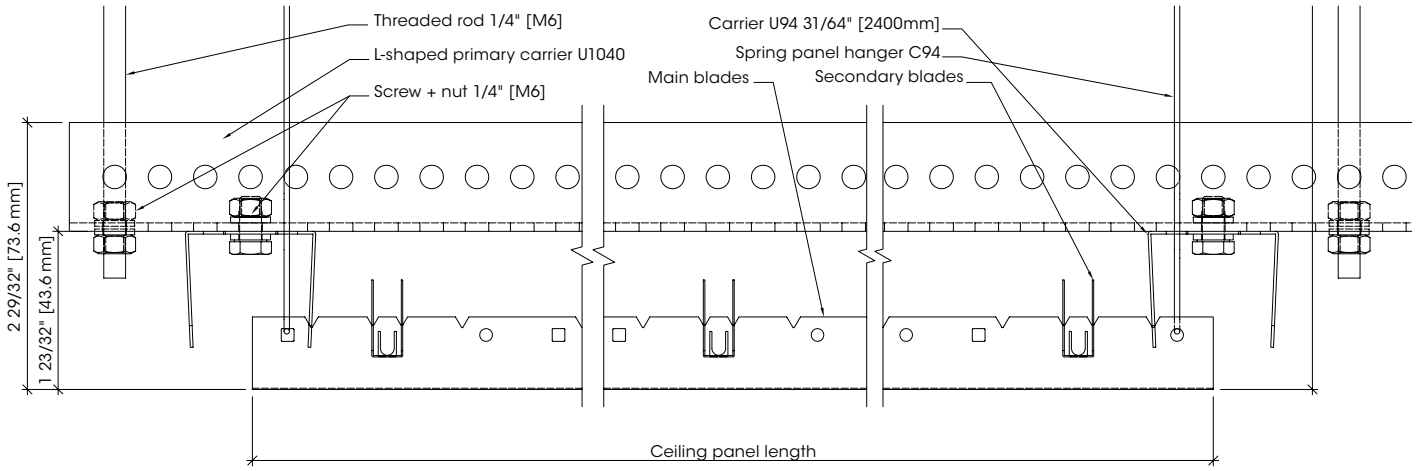
Panel size
2 x 4' [609.6 x 1219.2 mm]

Main blades

Width:	1/8" [3 mm]
Hight:	13/16" [20.4 mm]
Blade spacing:	13/16"; 1"; 1 3/16" [20.3; 25.4; 30.5 mm]

Secondary blades

Width:	11/32" [9 mm]
Hight:	27/32" [21.5 mm]
Blade spacing:	1'-3" [381 mm]




NEW YORKER
GET MORE club

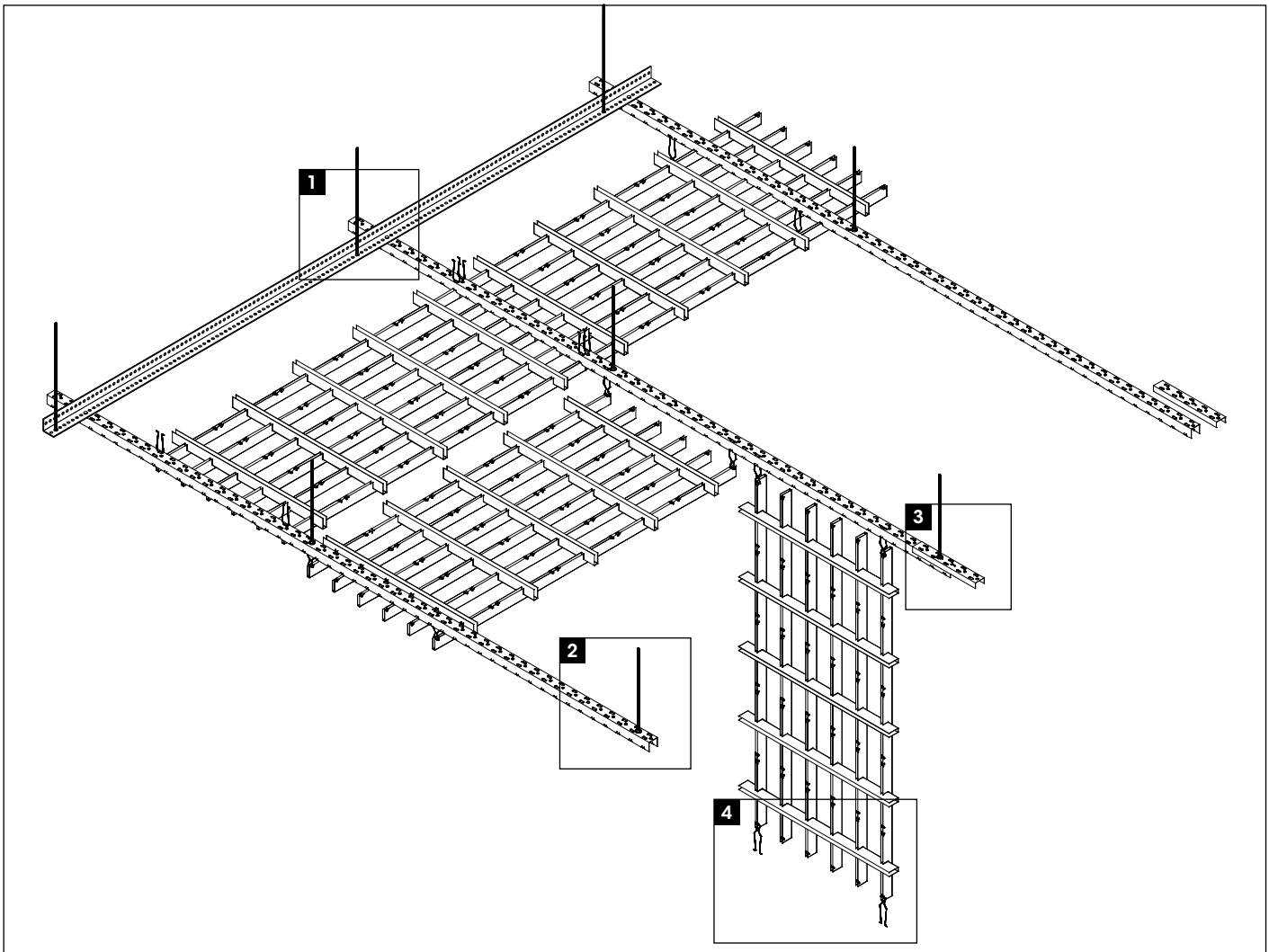
© Julia Schambeck

STARLAM

STARLAM is a decorative open-cell ceiling characterized by its linearity and suitable for a host of applications.

STARLAM

OPEN-CELL CEILING



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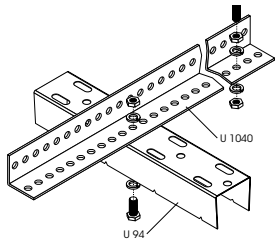

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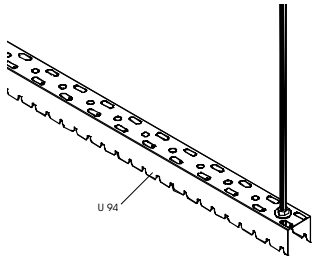

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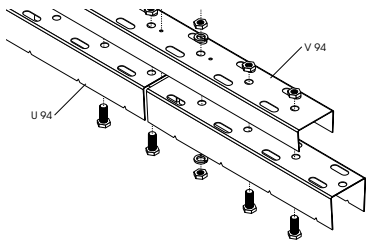

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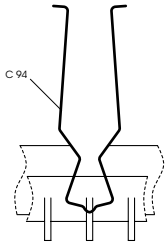
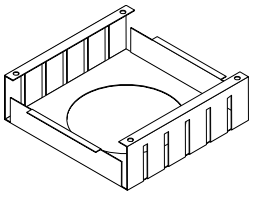
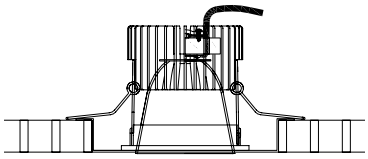




Modular plate



Coming soon!

STARLAM is an open, decorative ceiling system, available in different colors. The design allows the lower blades to run in one direction with the upper blades set back and running at right angles.

The special configuration creates a pronounced linear effect, which can be enhanced with the integration of lighting both above or within the ceiling enabling attractive patterns to be created. The effects can range from intense spotlighting to subdued background illumination.

The metal ceiling contributes directly to Green Building / LEED certification.

For further information please refer to durlum.us

MASTER FORMAT 09 50 00

> P. 84

SURFACE

Main blades: White, black, RAL 9006
Other colors available on request
Secondary blades: Black

Material: Aluminum

DIMENSIONS

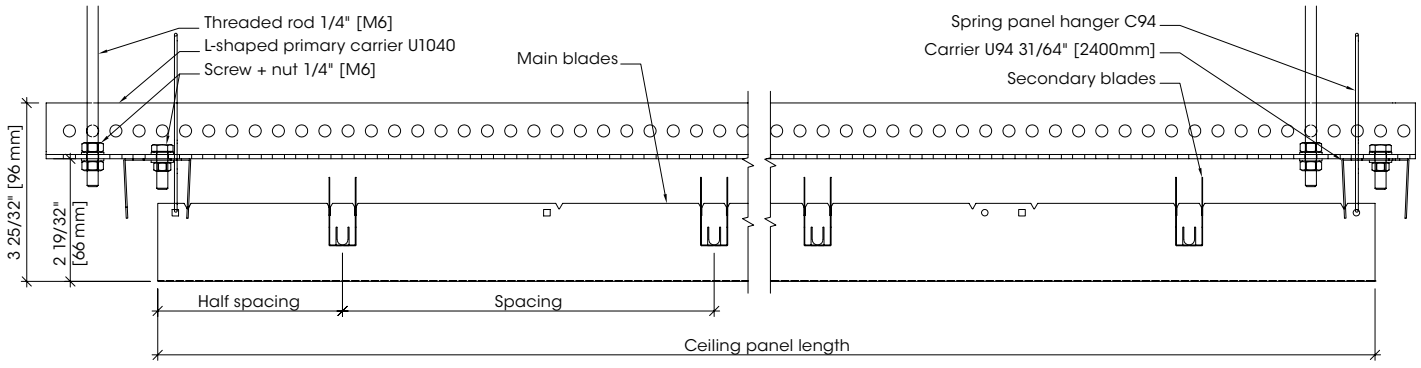
Panel size
2' x 4' [609.6 x 1219.2 mm]

Main blades

Width:	5/32" [4 mm]
Hight:	1 21/32" [42 mm]
Blade spacing:	1 3/16"; 1 19/32"; 2" [30.5; 40.6; 50.8 mm]

Secondary blades

Width:	19/32" [15 mm]
Hight:	1 15/32" [37 mm]
Blade spacing:	9 19/32" [243.8 mm]



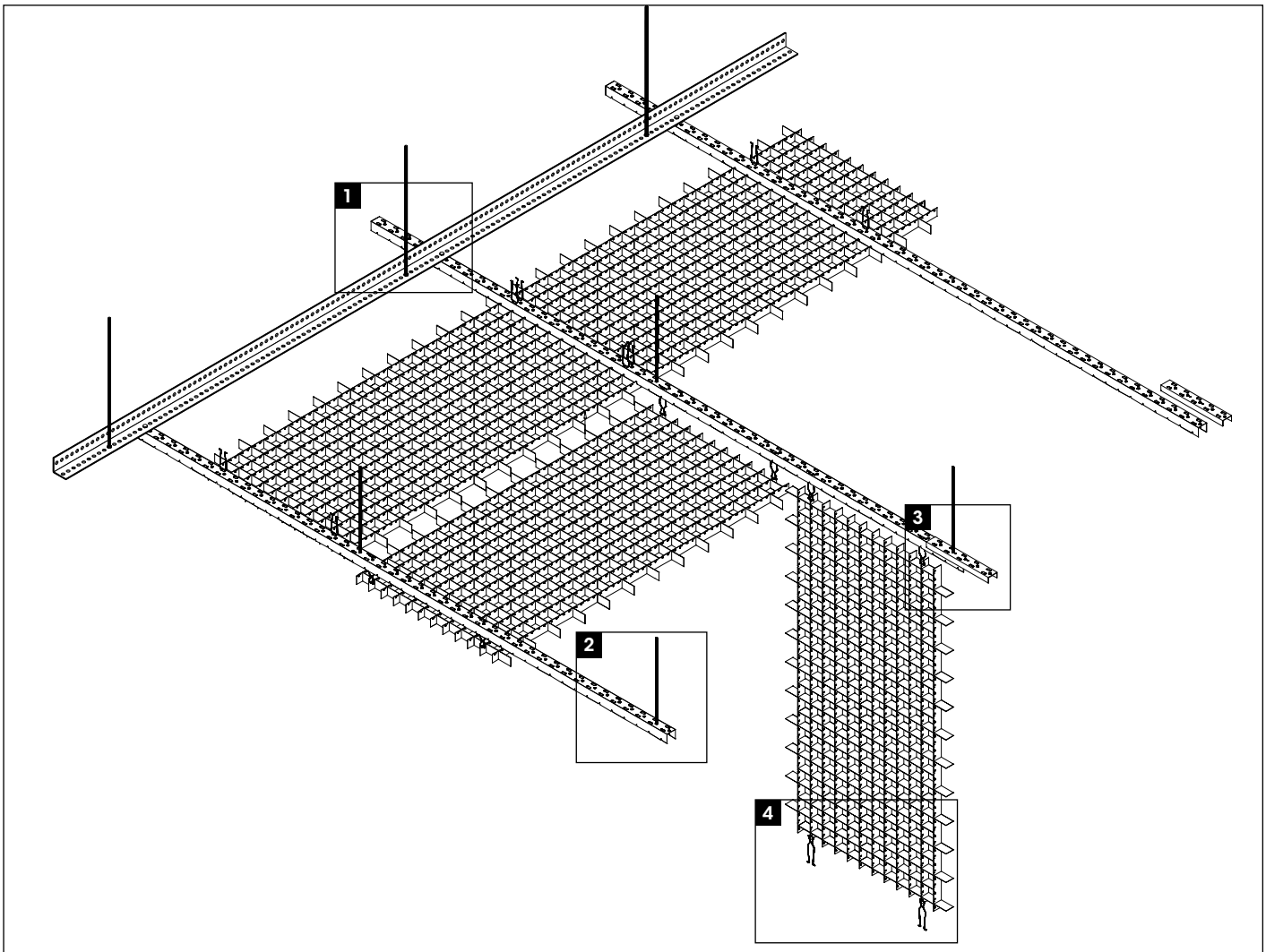
© Andreas Schüring Architekten BDA

TICELL

With its woven like structure finish TICELL distinguishes itself from other open-cell ceilings creating a feeling of open-space.

TICELL

OPEN-CELL CEILING



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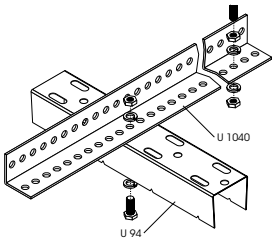

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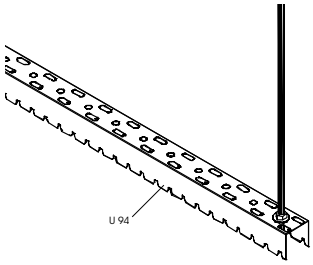

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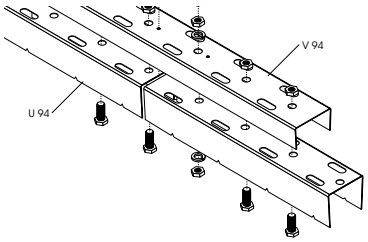

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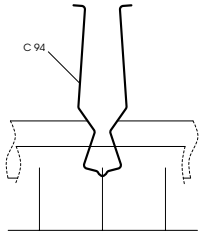


TICELL is a decorative single blade open-cell ceiling system manufactured from perforated aluminum blades, pressed together, available in white, black or natural anodized finish. The panels are non combustible and light in weight.

The unique process in the way the aluminum blades are punched creates a woven structure finish; this results in daylight reflecting off the exposed perforated edges producing a radiant effect. TICELL is available in two cell sizes to assist in obtaining the cut-off angle required to suit the individual requirement to hide any services within the ceiling void.

For further information please refer to durlum.us

SURFACE

Color: White, black and natural anodized aluminum
Other colors available on request

Material: Aluminum

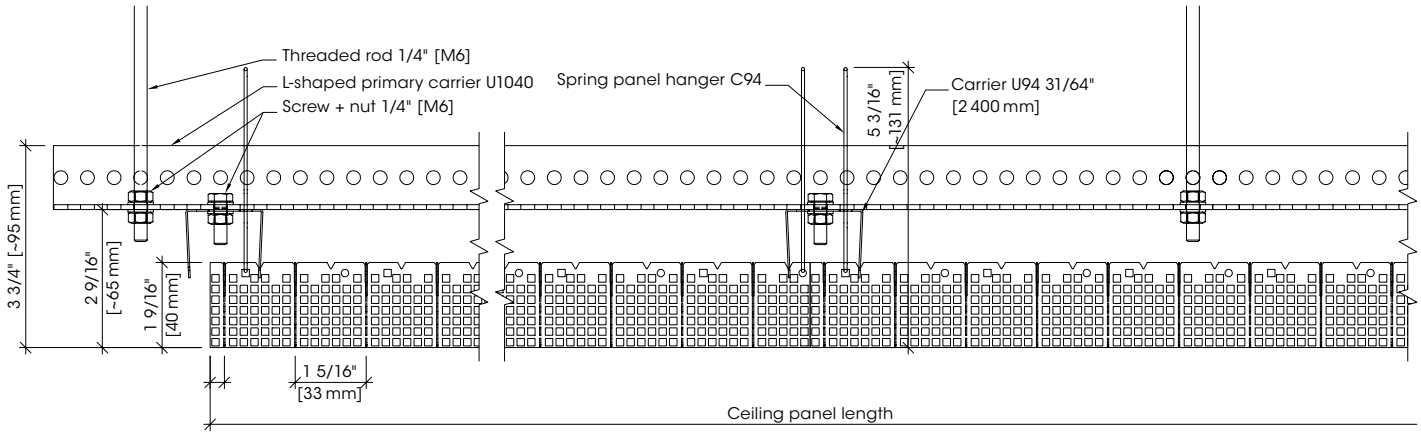
DIMENSIONS

Panel size
1'-11 5/8" x 3'-11 1/4" [600 x 1200mm]

Main blades
Width: 1 5/16" [33 mm]
Hight: 1 9/16" [40 mm]

MASTER FORMAT 09 50 00

> P. 84



Aquilana Insurances, Baden [CH]

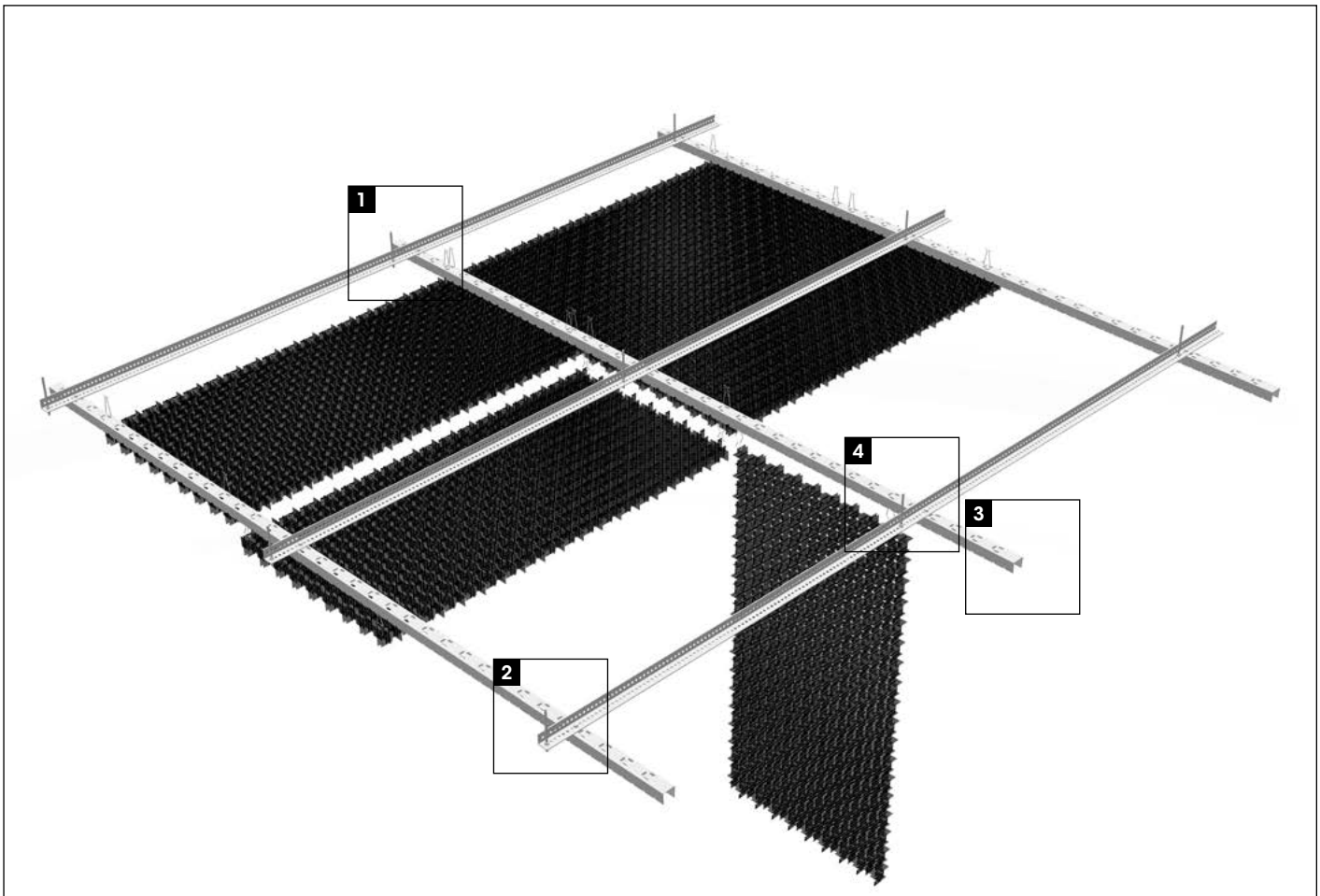
© Studio Gataric Fotografie

TICELL-N

TICELL-N stands out due to its unique design. Its woven structure finish combined with specially cut-out cells provide an airy, transparent and wave-like appearance of the ceiling.

TICELL-N

OPEN-CELL CEILING



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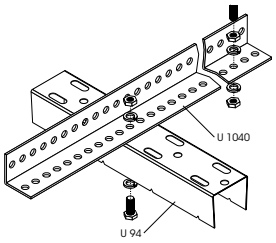

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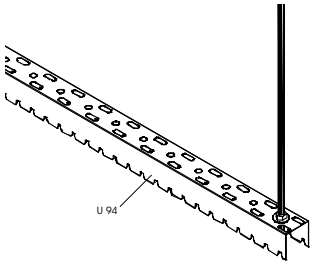

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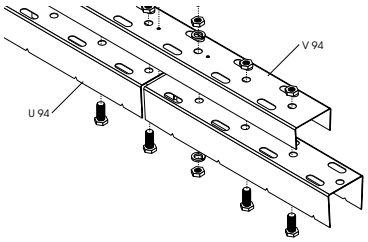

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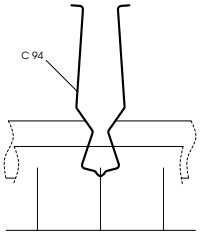


TICELL-N

TICELL-N is a decorative single blade open-cell ceiling system manufactured from perforated aluminum blades pressed together, available in white, black or natural anodized finish. The panels are non combustible and light in weight.

The unique process in the way the aluminum blades are punched creates a woven structure finish; this results in daylight reflecting off the exposed perforated edges producing a radiant effect. TICELL-N is available in two cell sizes to assist in obtaining the cut-off angle required to suit the individual requirement to hide any services within the ceiling void.

For further information please refer to durlum.us

SURFACE

Color: White, black and natural anodized aluminum
Other colors available on request

Material: Aluminum

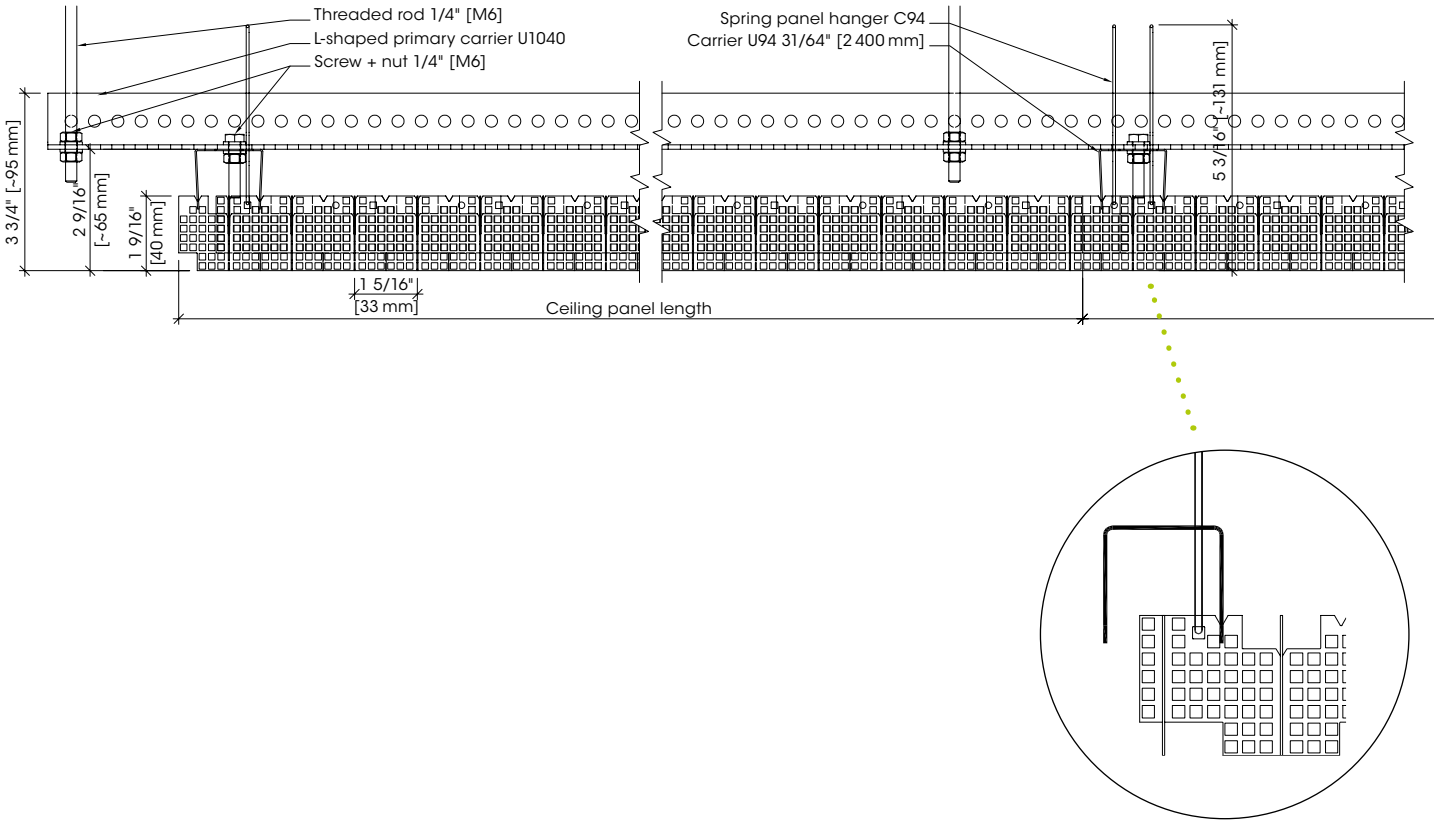
DIMENSIONS

Panel size
1'-11 13/16" x 3'-11 11/16" [605 x 1211mm]

Main blades
Width: 1 5/16" [33mm]
Hight: 1 9/16" [40mm]

MASTER FORMAT 09 50 00

> P. 84



PERFORATIONS & dur-GRAPHICS

Bundesinstitut für Arzneimittel und Medizinprodukte, Bonn [DE]

PERFORATIONS

Metal ceilings are perforated for technical and architectural reasons. durlum metal ceilings can be perforated with different patterns [see following pages]. Special perforations are optional.

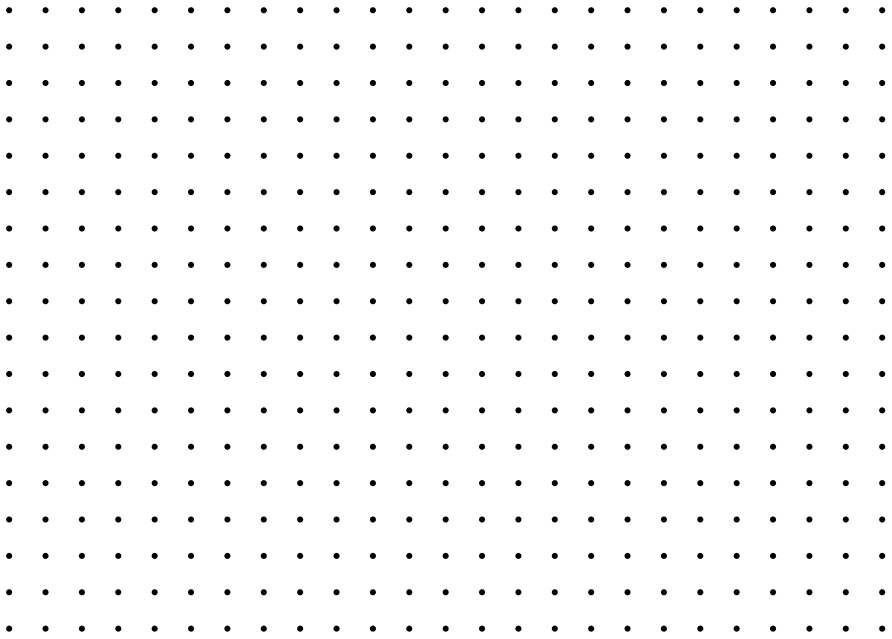
The perforated metal ceilings can be provided with bonded durlum acoustic fleece. Other materials for acoustic absorption may be available upon request, such as mineral wool or foamed material.

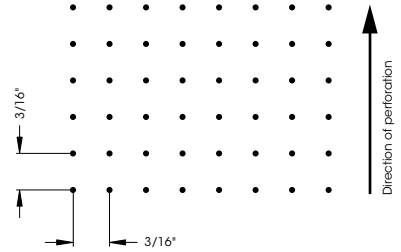
PERFORATIONS

ROUND HOLES

PERFORATIONS

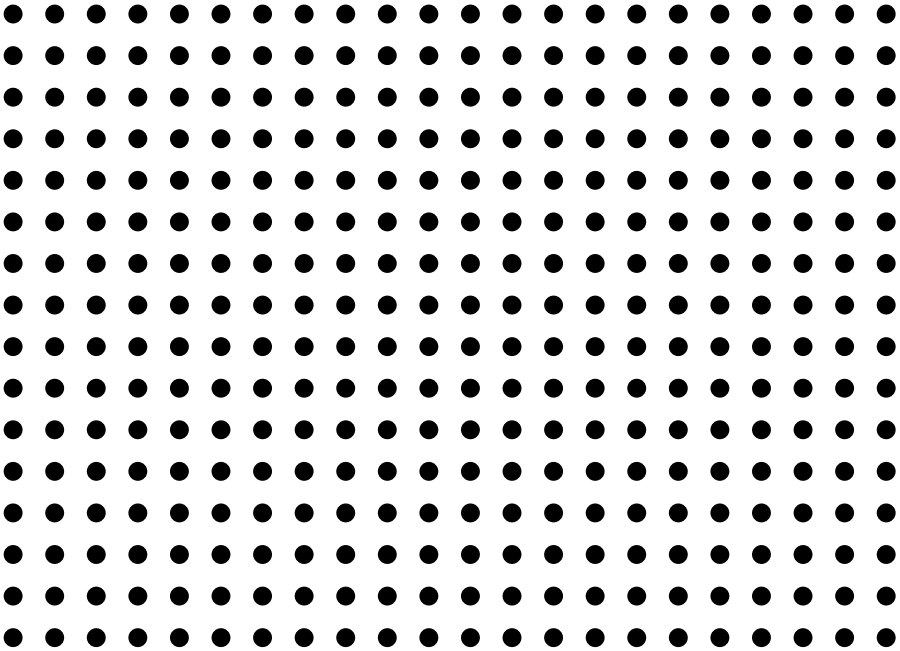
MICRO PERFORATION RG-L08 "PICO POINT"

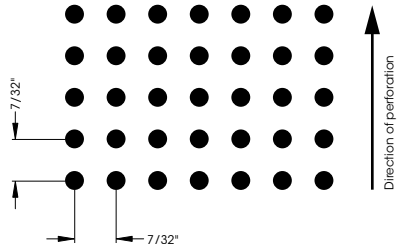




Hole diameter: ..... 1/32" [0.8 mm]
Open area: 2.18%
Max. width of
perforation: ..... 4'-2 1/16" [1 272 mm]
Max. plate width: ..4'-7 1/8" [1 400 mm]

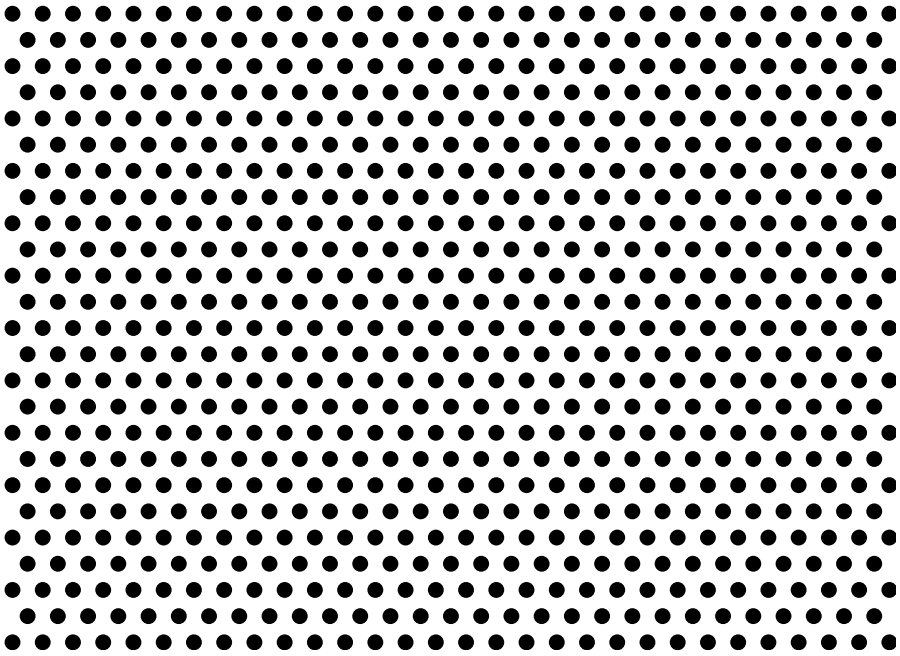
PERFORATION RG-L15

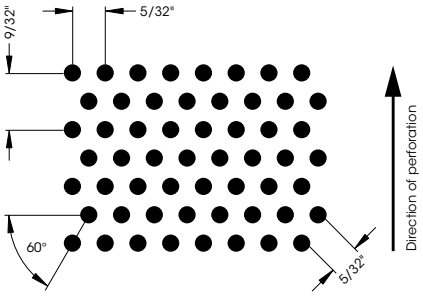




Hole diameter: ..... 3/32" [2.5 mm]
Open area: 16.20%
Max. width of
perforation: ..... 4'- 8 3/4" [1 441 mm]
Max. plate width:.. 4'-7 1/8" [1 400 mm]

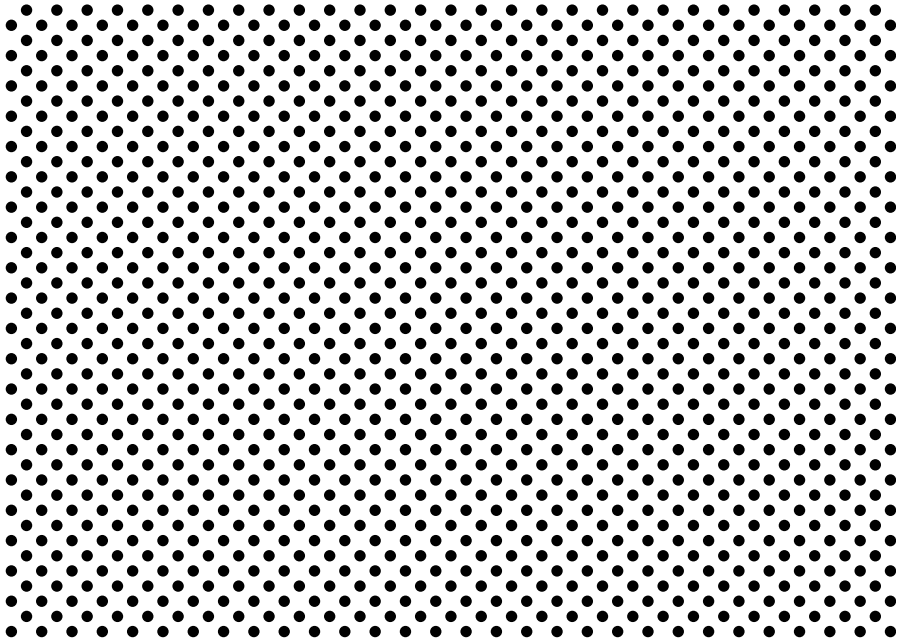
PERFORATION RV-L6

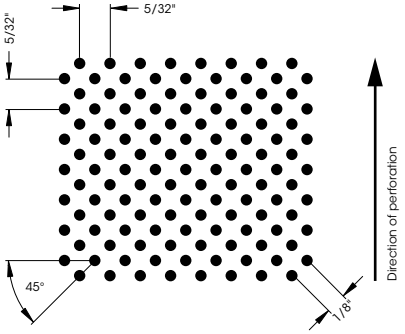




Hole diameter: .....3/32" [2.1 mm]
Open area: 25.00%
Max. width of
perforation: ..... 4'-9 5/8" [1 464 mm]
Max. plate width: ....4'-7 1/8" [1 400 mm]

PERFORATION RD-L30





Hole diameter: .....1/16" [2.1 mm]
Open area: 25.00%
Max. width of
perforation: .....4'-8 11/16" [1 440 mm]
Max. plate width: ....4'-7 1/8" [1 400 mm]

Student residence at Grand Morillon, Geneva [CH]

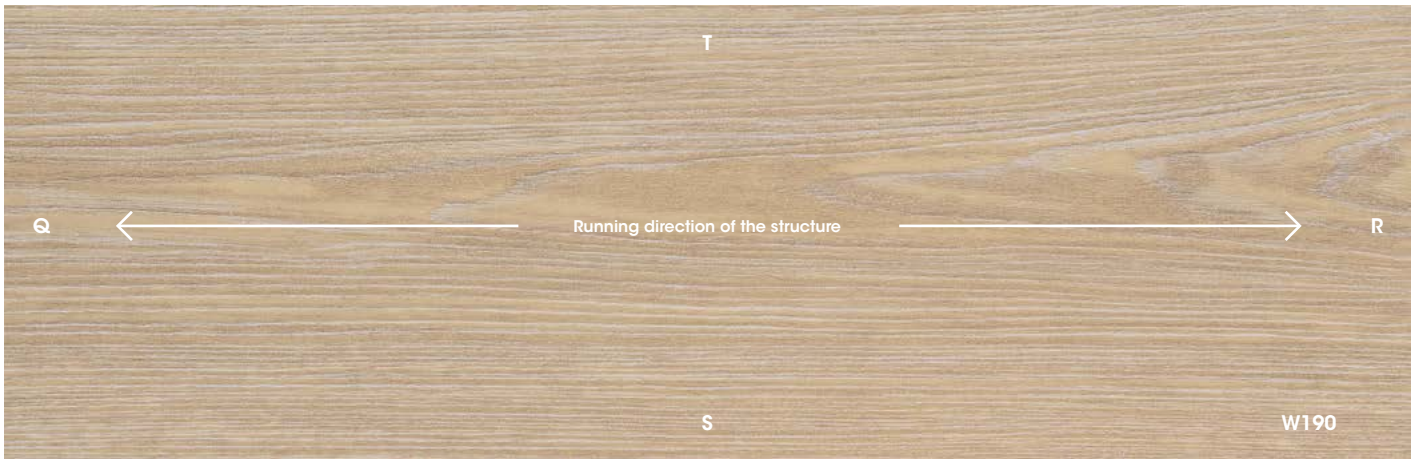
© Thomas Krauss

dur-GRAPHICS

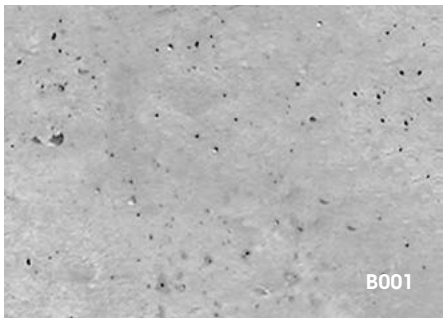
The dur-GRAPHICS printing technology by durlum gives creative possibilities to customize the metal ceilings and area lightings individually. Textures, motives or inscriptions – dur-GRAPHICS create architectural accents.

dur-GRAPHICS

IMPRINTED SURFACES



Whitewashed oak



B001 Concrete
R001 Rust
W150 Beech

W160 Teak
W170 Oak
W200 Walnut

W210 Cherry
W220 Spruce
W230 Grey oak

dur-GRAPHICS gives you unprecedented individual design freedom for metal ceilings and surface lighting. Thus, different textures, patterns, images or inscriptions can be printed to create an individual character for your ceiling.

We use optimal templates to get the best possible printing results. For individual motifs or textures, please note that ceilings are observed from a certain distance. Therefore, very fine textures cannot be distinguished from a certain distance and appear as a solid colored surface.

CUSTOM DESIGN

Realistic, decorative or functional – there are numerous motifs for a metal ceiling or a lighting surface. Our prints are adapted to the indoor zone and may be covered on request with a protecting lacquer. Create a special room like no other!

DUROPLAN DESIGNS

With a durlum texture printing, you can create a special atmosphere in the room. Our textures library comprises pictures of often used materials like wood or concrete. Of course, if you want a special texture, we can print it as well.

DIMENSIONS

Maximum print area: 125.98" x 78.74" [3200 × 2000 mm]
Maximum material thickness: 1.97" [50 mm]

PRINTABLE MATERIAL

Metal, glass, plastic and
luminaire cover DUROSATIN®

PRINT QUALITY

Printing ink
CMYK + white [optional]

Fine Art: 600 × 900 dpi
Good resolution for small print runs to photographic standards to the highest levels of detail and with extremely subtle color graduations.

Production: 400 × 400 dpi
Good resolution for high print runs with full-surface motifs and middle to high level of detail.

PRINTING DATA

Vector graphics
Loss-free scalable graphics, ideal for graphic motives like logos, etc.
Data formats: pdf, ai, eps, dwg, svg

Pixel graphics
Images scalable with loss of quality, ideal for photorealistic motives.
Optimal resolution: end format with 300 dpi
Data formats: psd, tiff, jpg

For further information please refer to durlum.us

REFERENCES

Ed Robson Arena, Colorado Springs [USA]

Fulton Center, New York [USA]

Museum at the Gateway Arch, St. Louis [USA]

GENERAL INFORMATION

GREEN BUILDING / LEED

durlum metal ceilings contribute directly to LEED and other GREEN BUILDING certifications. Typically applicable credits under LEED v4:

- Recycled Content – post- & pre-consumer info
- VOC Emissions – conformity with all VOC requirements as per AgBB
- Acoustic Performance – sound absorption with acoustic fleece
- Environmental Product Declaration – available for all metal ceiling systems

No substances as outlined in the US Living Building v.3 Red List are internationally used.

Learn more: greenbuilding@durlum.com

TECHNICAL STANDARDS

The parts comply with DIN EN 13964 as well as ASTM C635 and ASTM E1264. Production complies with the TAIM and CISCA guidelines and the durlum works standards and is quality controlled by the TÜV according to ISO 9001:2008 and ISO 14001:2004.

FIRE PERFORMANCE

In accordance with ASTM E84 Flame Spread Index for steel is 25 or less and Smoke Developed Index for steel is 50 or less.

MASTER FORMAT

MASTER FORMAT 09 5.....

durlum metal ceilings fall under the master format section 09 50 00 ceilings.
When the ceiling panels are supplied perforated and with sound absorption materials, they could be more specifically listed under section 09 51 33 Acoustical Metal Pan ceilings.

INSTALLATION – PLEASE NOTE

Installation must be carried out by qualified and trained staff according to the instructions for installation. These are available as download at durlum.us.

CLEANING

As standard, durlum ceiling panels are made with an electrostatic polyester powder coating, thus providing them with a long-term finish. The powder-coated surface should always be cleaned wearing clean gloves. First clean it with a soft, dry cloth. If dirt cannot be removed by this procedure, the cloth can also be moistened, with the addition of a pH-neutral cleaner [household detergent], if necessary. Contact of the powder coating with both alkaline and acid substances must be avoided. Metallic powder coatings show a particularly sensitive reaction. Due to the risk of a change in hue or effect, for metallic coatings a suitability test must be performed.

All measurements in inches and mm. We reserve the right to make alterations in dimensions or design.

Concept & Design: krauss&wintterlin

Closed metal ceilings | Open metal ceilings | Functional ceilings | Raft ceilings and acoustics | Design ceilings

Project lighting | Interior and exterior lighting | Lighting management

Daylight tubes | Redirection systems | Shading systems

Wall claddings

CEILING

LIGHTING

AMBIENCE

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