# SHILUVIT

SOLID WOOD CEILINGS & WALL CLADDINGS

ORNIT

WOOD PROFILES INDUSTRIES Ltd.

ORANIT WOOD PROFILES INDUSTRIES LTD

Marr College – Ayrshire, U.K. | Architect: BDP, Glasgow

Type: 7 501A Yellow Pine, Finish A 9 1

# CONTENTS


| | |
|---|---|
| ABOUT ORANIT | 4 |
| ENVIRONMENT POLICY & PANELS MAINTENANCE | 5 |
| FIRE SAFETY | 6 |
| ACOUSTICS | 7 |
| WOOD SPECIES | 8 |
| FLEXIBLE VARNISHING AND COLOURING | 9 |
| SIMPLE INSTALLATION | 10 |
| STANDARD CEILINGS PANELS | 12 |
| LINEAR CEILINGS TYPES | 14 |
| WALL SYSTEMS | 16 |
| CURVED CEILINGS AND WALLS | 18 |
| LINEAR LIGHT PANELS | 19 |
| CEILING FOR OUTDOORS USE AND SWIMMING POOLS | 21 |
| PANELS FOR CORRIDORS & SPECIAL DESIGNS | 22 |


Cover page:

Liberty Global – Schiphol, Holland. | OTH Architects – Amsterdam

Type: 7 501A Yellow Poplar, clear varnish

# ORANIT WOOD PROFILES INDUSTRIES LTD.

Oranit is a privately-owned leading producer of wood profiles and ceilings, established in 1985 as a small family timber warehouse. The 5000 $m^2$ factory is located in the Haifa Bay Industrial Zone, Israel, in vicinity to Haifa Port.

Oranit offers a wide range of quality products, either standard or tailor-made, meeting the highest design, technology and environmental standards.

It is our goal to maintain the highest international standards and keep up with products and marketing trends and demands. In order to do this, we employ the most advanced equipment and techniques. Oranit is a vertically integrated manufacturing company- all processes are being done under one roof: sawing, molding, CNC cross cut, fire retardant treatment, varnishing, staining and wood preservation.

Oranit is represented across Europe by loyal, long-term customers. We regularly exhibit our products and new ideas in international fairs.

Should our customers require new design, different wood species, new stains, etc., we shall follow their request. As we have all facilities of production at hand, we can be flexible to accommodate new designs and trends.

Oranit is highly committed to protecting the environment. We treat wood as nature's gift - we purchase timber from sustainable and legally harvested sources only. All materials used in production, including fire retardant, varnishes and stains, are 100% environmentally friendly.

Oranit is PEFC certified for Chain of Custody management system, and employs a Due Diligence System to ensure all products meet the EU Timber Regulations (EUTR).

All stages of production are strictly quality controlled. Oranit is certified with ISO 9001:2015 quality control management system.

# ENVIRONMENT POLICY

It is our goal and commitment to use environmentally safe materials and purchase the wood from sustainable forests only. SHILUVIT products are Cradle to Cradle "Bronze" certified.
Our products are inspected for a wide scope of environmental issues.

This system guides designers and manufacturers through a continual improvement process that looks at a product through five quality categories - material health, material reutilization, renewable energy and carbon management, water stewardship, and social fairness.

Product assessments are performed by a qualified independent organization trained by the Institute. Assessment Summary Reports are reviewed by the Institute, which certifies products meeting the Standard requirements, and licenses the use of the Cradle to Cradle Certified™ word and design marks to the product manufacturer.

Wood:
Oranit ltd. is PEFC COC certified. It means that our products are made of wood from sustainable forests, legally harvested with the inspection of PEFC council. Oranit is ready for the new EUTR regulations (EU Timber Regulations), with all relevant documentation to prove legal wood sources.

Fire retardant:
Environmentally friendly material by an authorized European manufacturer.

Varnish and stains:
We apply water based varnish and stains only, no polyurethane or thinners are used!

PEFC™
PEFC/01-31-290
**PEFC Certified**
This product is from sustainability managed forests and controlled sources
www.pefc.org

CERTIFIED cradle to cradle BRONZE

## SHILUVIT PANELS – MAINTENANCE

All Shiluvit ceilings types are easy to dismantle for maintenance.

Cleaning can be done by a wet cloth.
Wall panels can be vacuumed or cleaned with a wet cloth.

# FIRE SAFETY

Shiluvit wood products meet the highest European fire safety standards for wood ceilings and wall cladding.

*The fire retardant material is transparent and is 100% environmentally friendly.*

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There are 2 EU standards applicable for wood products in buildings:

1. EN 13964 : 2014
   Suspended ceilings
   ▌requirements and test methods
2. EN 13501-1
   The Euroclass test for fire safety.

Shiluvit ceilings are CE certified for both standards.

Our classification is
**B s2 d0**

The high class fire rating is achieved by our state-of-the-art treatment process. The wood profiles are treated in an autoclave with special fire retardant materials. A three phase process of vacuum, pressure and vacuum ensures that the fire retardant materials penetrate the wood and give it the properties needed for fire safety.

CE

*Oranit is authorized to mark Shiluvit wood ceiling with the CE labels.*

Marché couvert – Aurillac, France | Architect: Estival Architecture

Type: 7-501 Yellow Pine, clear varnish

Tricotage Auditorium – Veenendaal, Holland | LEVS Architects

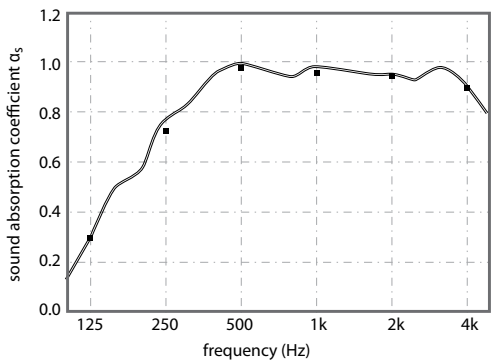
Type: 7 501 Yellow Polar, clear varnish.

# ACOUSTICS

Thanks to the open structure of the panels, any acoustic material applied from above will be very effective; giving the designers or acoustics engineers the freedom to determine the requested acoustics level.

*Acoustic test of typical SHILUVIT linear ceiling:*
*SHILUVIT 7-501A measurements of sound absorption in a reverberation room, in a certified laboratory for acoustics, Acoustics ISO 354:2003:*

*<u>Acoustic material</u>: rockwool with black glass tissue, panel size: 1190 x 590 x 20 mm, mass: 2.2 kg/m².*
*Volume of reverberation room: 214 m².*
*Surface area sample: 10.64 m².*
*NRC (ASTM - C423) = 0.95*
*SAA (ASTM - C423)=0.9*




| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0.13 | 0.57 | 0.96 | 0.94 | 0.95 | 0.98 |
| — | 1/3 oct. | 0.28 | 0.77 | 1.00 | 0.99 | 0.95 | 0.92 |
| | | 0.50 | 0.83 | 0.98 | 0.97 | 0.93 | 0.79 |
| ▪ | **1/1 oct.** | **0.30** | **0.72** | **0.98** | **0.97** | **0.94** | **0.90** |

AMERICAN WHITE OAK

AMERICAN RED OAK

EUROPEAN BEECH

ASH

AMERICAN YELLOW POPLAR

AMERICAN YELLOW PINE

SOFT MAPLE

NORDIC PINE

AFRICAN AYOUS

# WOOD SPECIES

We use several standard wood species. All are from sustainable forests.

Upon request we can use other wood species.

Our standard wood species:

American Southern Yellow Pine / American Yellow Poplar / American Maple. / American Red Oak. / European Beech / Nordic Pine / African Ayous.

If we are asked to produce an order with exotic wood species from controversial areas, we always offer to substitute it with a wood species from a sustainable forest, stained to create the closest imitation to the requested appearance.

Prinsenhof Leidschendam, Holland.

Type: 7 501 Yellow Pine. Finish A 9 1

# FLEXIBLE VARNISHING AND COLOURING

### Staining colors:

Oranit has its own spraying line for finishing and coating.

We can varnish the ceilings with transparent lacquer or stain it upon the requested color.

### UV Protected:

The material we use has UV protection properties. Even if the coated wood is exposed to sun light, there will be no discoloration.

### Type of Varnish and Staining:

We use water based stains only! This means that the varnish is absolutely environmentally friendly, odorless, and inflammable. No polyurethane or thinners are used.

### Outdoor use and swimming pools:

For outdoor projects, we add a special component to the coating solution. This gives the wood a special protection for outdoor roofed ceilings or for humid environments like swimming pools.

AMERICAN YELLOW PINE / WHITE WASH

AMERICAN YELLOW PINE / A-3789-7020

AMERICAN YELLOW POPLAR / A-3789-7020

AMERICAN YELLOW PINE / WN-2592

AMERICAN YELLOW PINE / A-4446

AMERICAN YELLOW PINE / A-9-1

AMERICAN YELLOW POPLAR / A-9-1

AMERICAN YELLOW PINE / A-3031

AMERICAN YELLOW POPLAR / A-3031

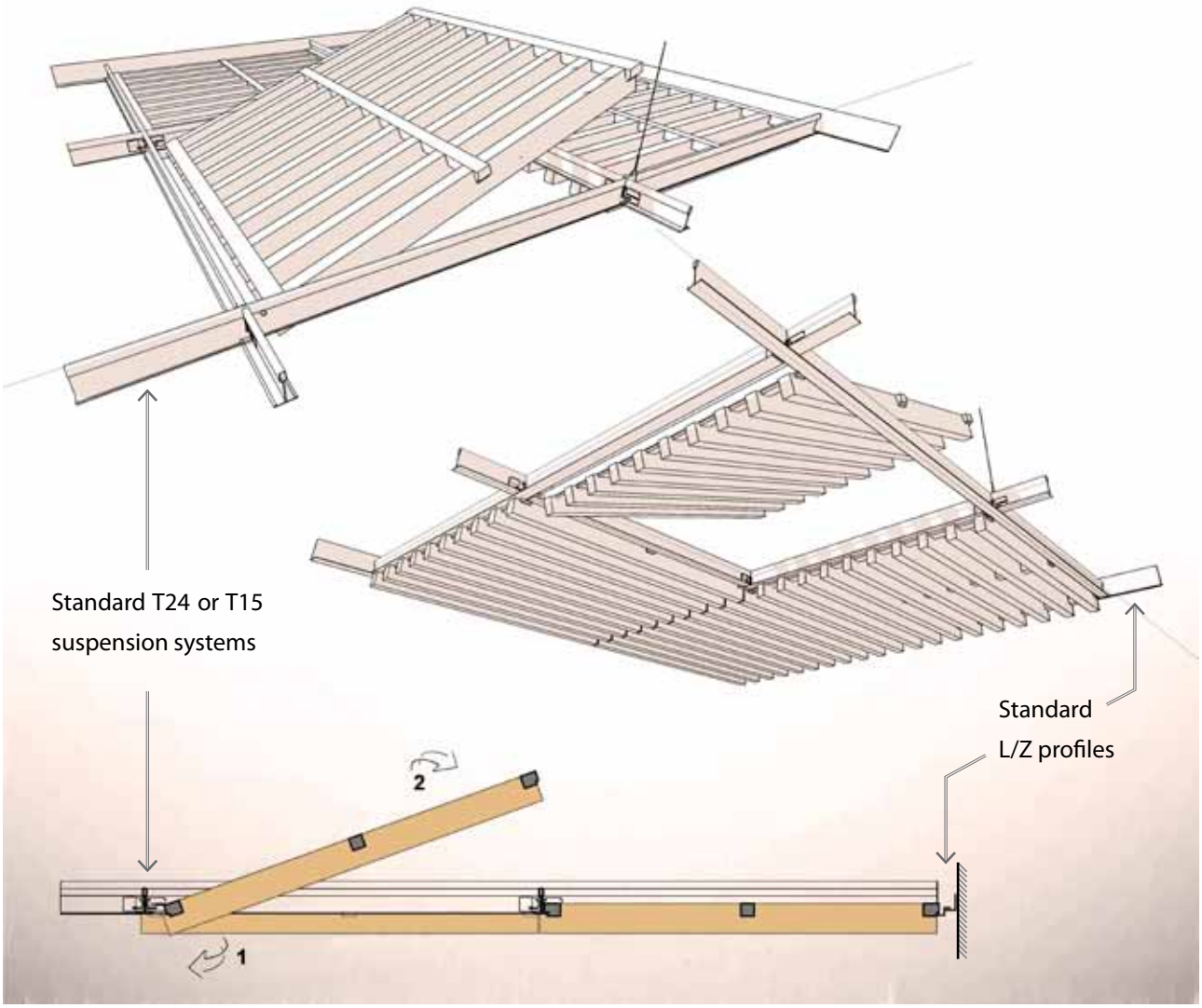
# SIMPLE INSTALLATION

One of the key principles of the SHILUVIT panels' design was achieving the quickest and easiest installation possible.

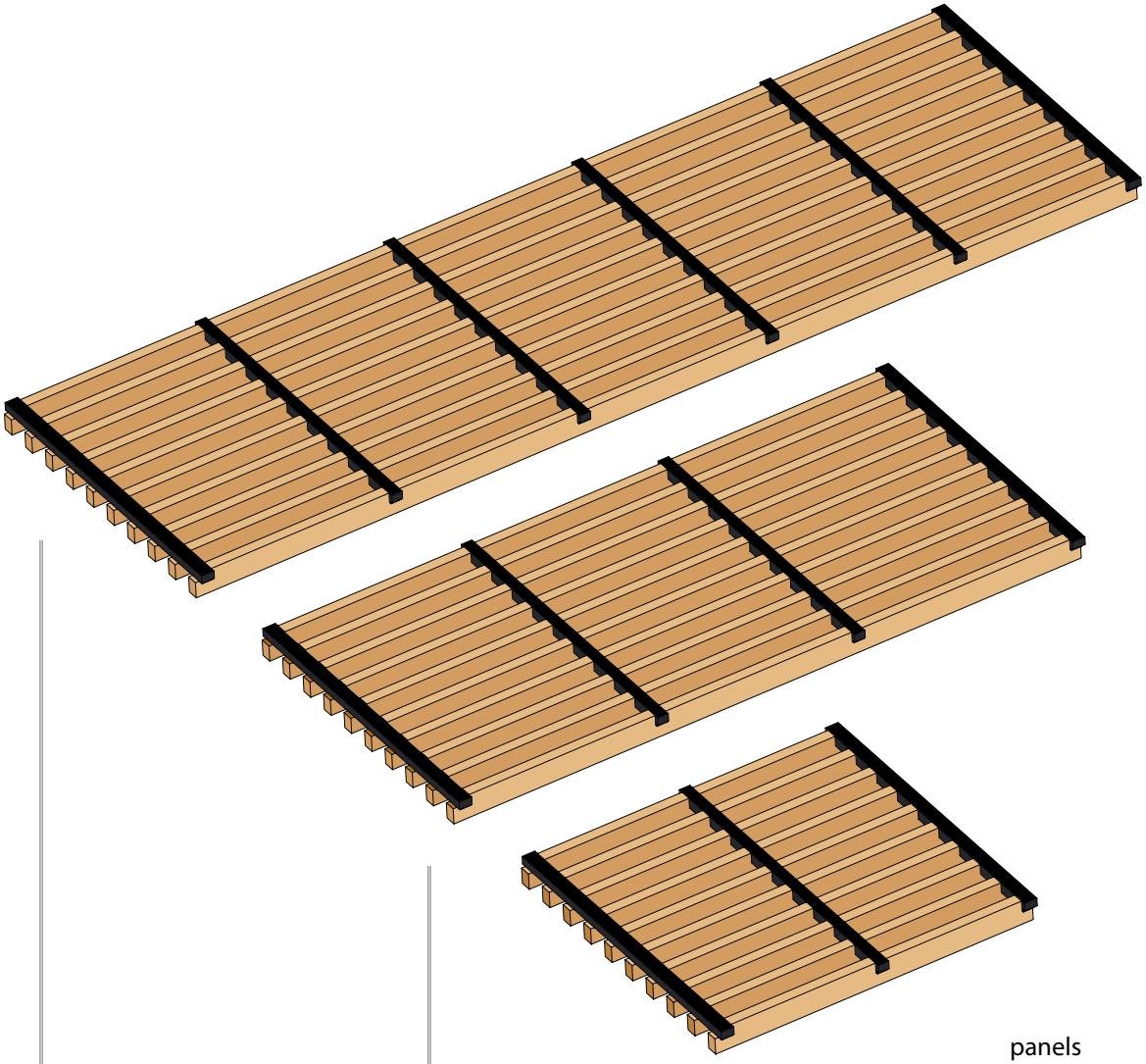
SHILUVIT panels are installed on standard T24 or T15 suspension systems, the most common and easy to use systems available. No special tools or rails are needed! It makes both installation and dismantling for maintenance very quick and easy, saving lots of work hours and creating a high value-for-money product, taking into account installation, maintenance and purchase costs.

The installed ceilings create an elegant, clean, monolithic look in spite the fact that they consist of many panels. There is only a small gap of 5mm between the panels on the longer side, to allow wood expansion and easy dismantling.

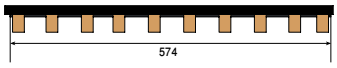
Marr College – Ayrshire, U.K. | Architect: BDP, Glasgow
Type: 7 501A Yellow Pine, Finish A 9 1



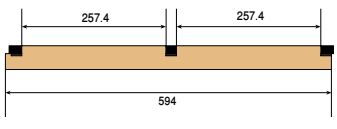
# SHILUVIT- STANDARD CEILINGS PANELS



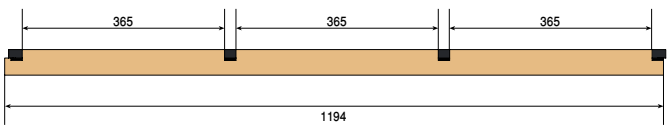
panels
side view



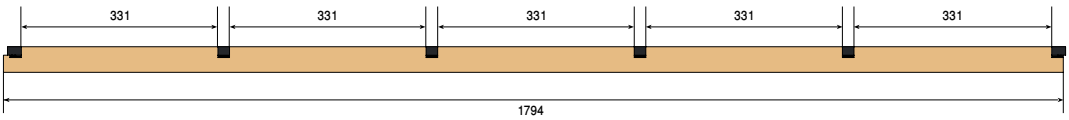

600x600 mm
panel




600x1200 mm
panel




600x1800 mm
panel

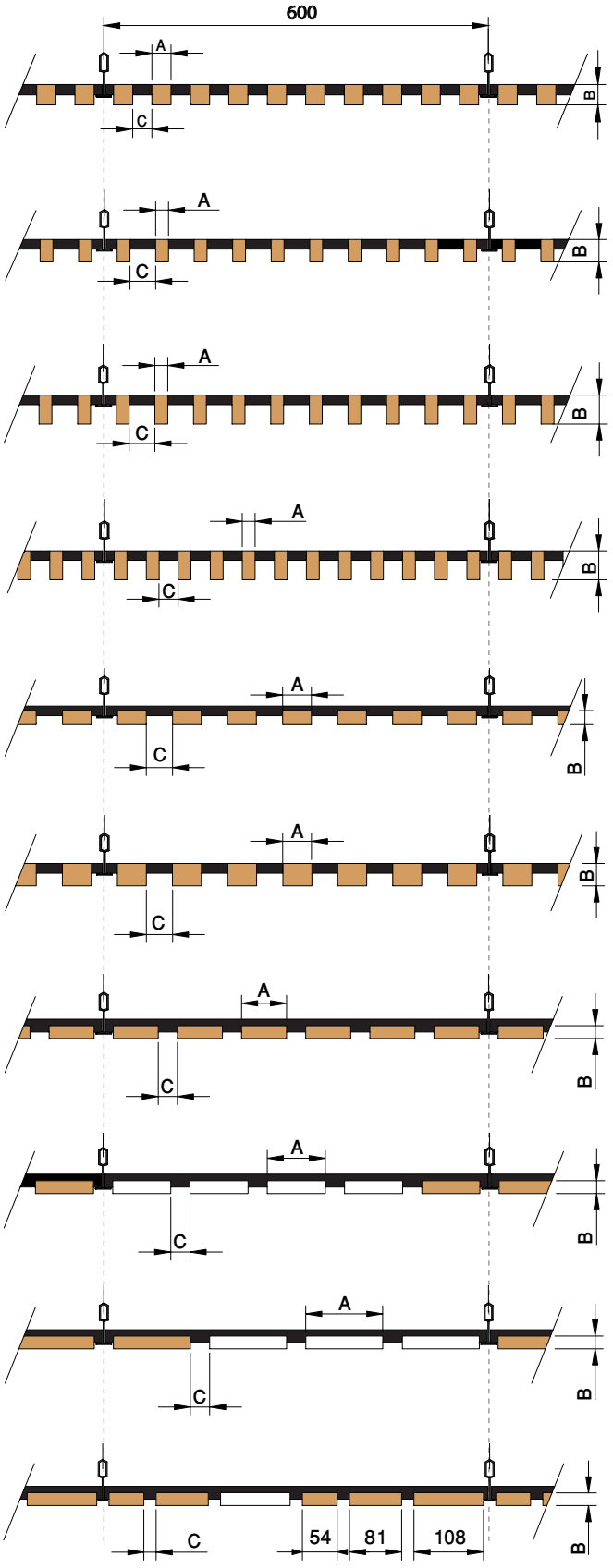


Bilderberg Hotel Oosterbeek, Holland | B+B Interieurarchitectuur
Type: 7 501 Yellow Pine, stain no. A 4446

# SHILUVIT LINEAR CEILINGS TYPES

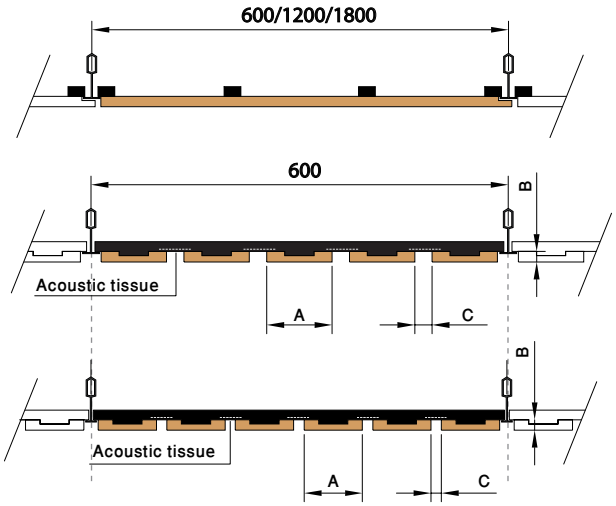
The average weight of the ceiling is 8-10 kg/m$^2$,
The exact weight is the combination of the ceiling type and the wood species.

| | A | B | C |
|---|---|---|---|
| **7-330** | 30 | 30 | 30 |
| **7-500** | 20 | 35 | 40 |
| **7-501** | 20 | 45 | 40 |
| **7-501A** | 20 | 45 | 30 |
| **7-502** | 45 | 22 | 40 |
| **7-503** | 45 | 35 | 40 |
| **7-600** | 70 | 20 | 30 |
| **7-601** | 90 | 20 | 30 |
| **7-602** | 120 | 20 | 30 |
| **7-603** | var. | 20 | 19 |



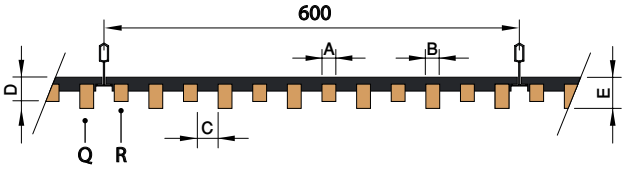
| 7-700 | A | B | C |
|---|---|---|---|
| | 95 | 15 | 25 |

| 7-701 | A | B | C |
|---|---|---|---|
| | 84 | 15 | 15 |

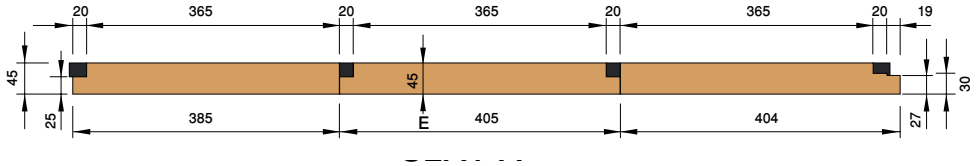



# SHILUVIT DUO LINEAR PANELS

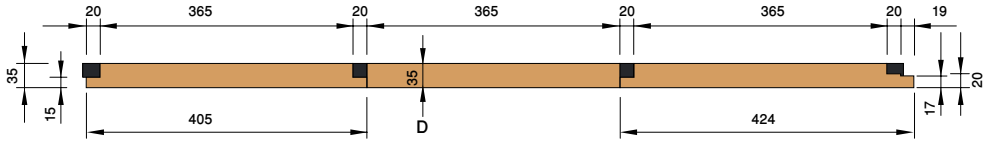
| DUO 1 | A | B | C | D | E |
|---|---|---|---|---|---|
| | 20 | 20 | 30 | 35 | 45 |




SLAT Q

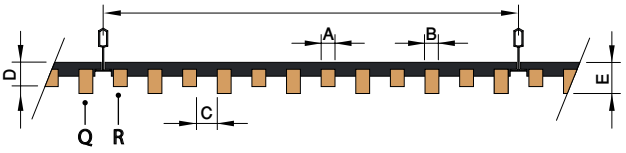



SLAT R




# SHILUVIT TRIO LINEAR PANELS

| TRIO 1 | A | B | C | D | E |
|---|---|---|---|---|---|
| | 20 | 20 | 30 | 35 | 45 |

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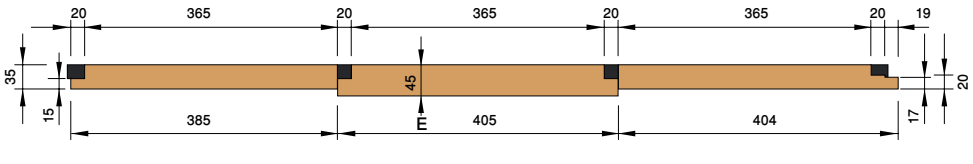
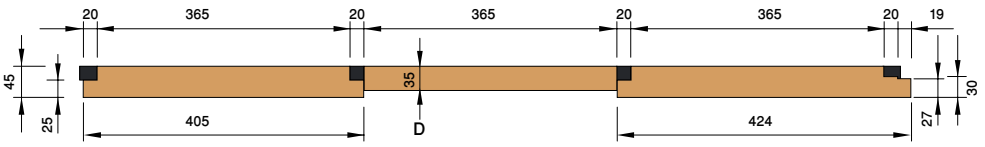



SLAT R



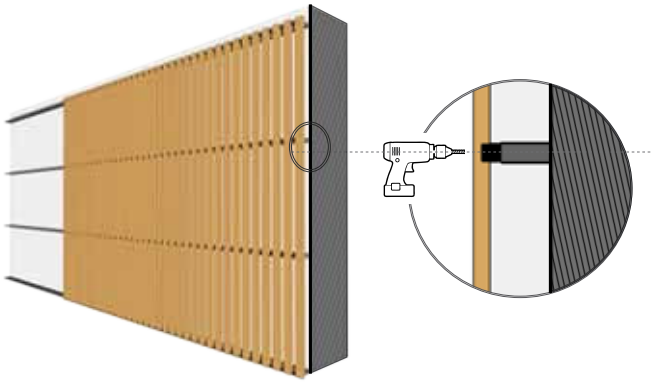
# SHILUVIT WALL SYSTEMS

Following the leading idea of easy and quick installation, we created a very simple system using basic, low-cost fixing materials.

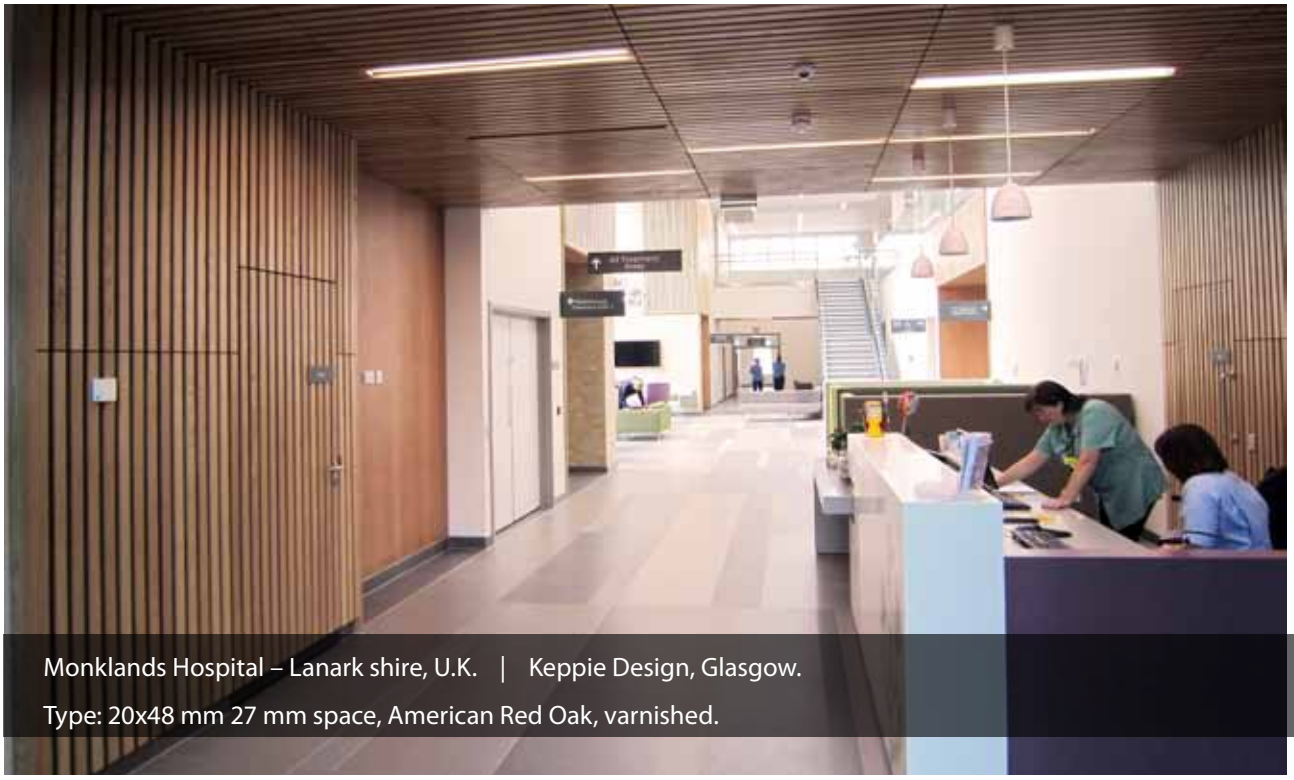
The panels are fixed to a black painted infrastructure using black screws through the black cross ties of the panel.

The installed panels create a sophisticated look in which the linear wood pieces seem to be hanging freely, with no metal connectors or joints visible.

Naturally, wall panels can be longer and produced according to requested length.



Ayrshire College U.K. | Keppie Design, Glasgow.
Type: 7 501A Western Red Cedar, varnished.



Monklands Hospital – Lanark shire, U.K. | Keppie Design, Glasgow.
Type: 20x48 mm 27 mm space, American Red Oak, varnished.

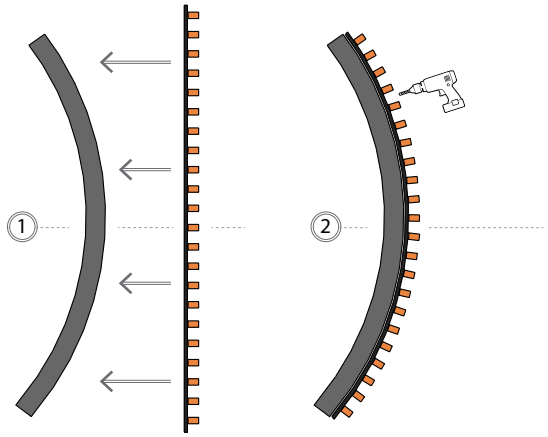
# SHILUVIT – CURVED CEILINGS AND WALLS

Oranit developed a simple and easy system of installation for curved ceilings and curved walls.

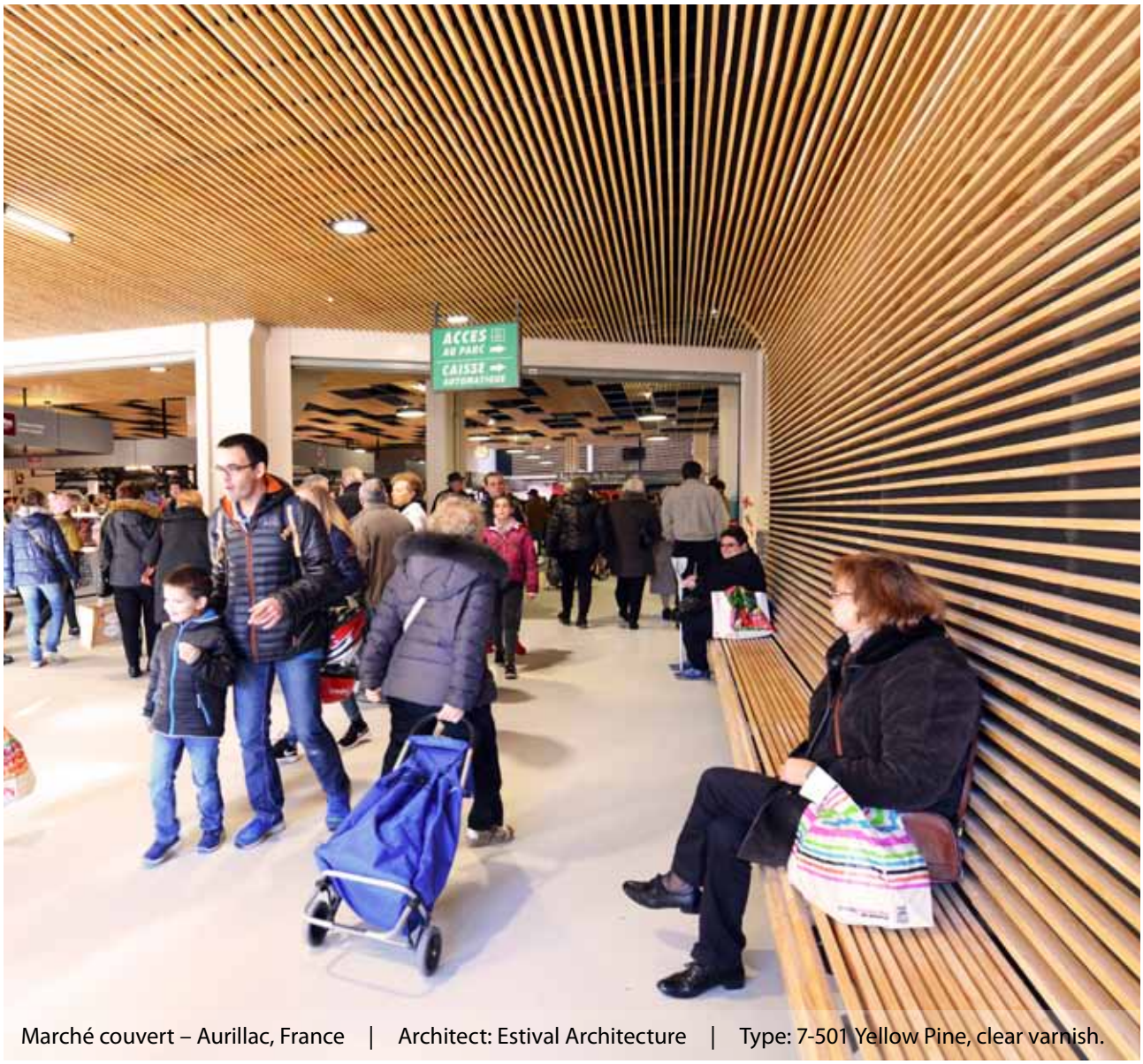
Following our basic idea of simplicity and using low-cost suspension materials, we just changed the wood cross ties to black flexible cross ties that can follow the requested radius.

The flexible cross ties are fire class certified.

The SHILUVIT panels are fixed to a curved metal infrastructure that is commonly used for curved gypsum. The flexible ties enable the panel to be curved to the same radius, and then by using black screws - fasten it to the structure.



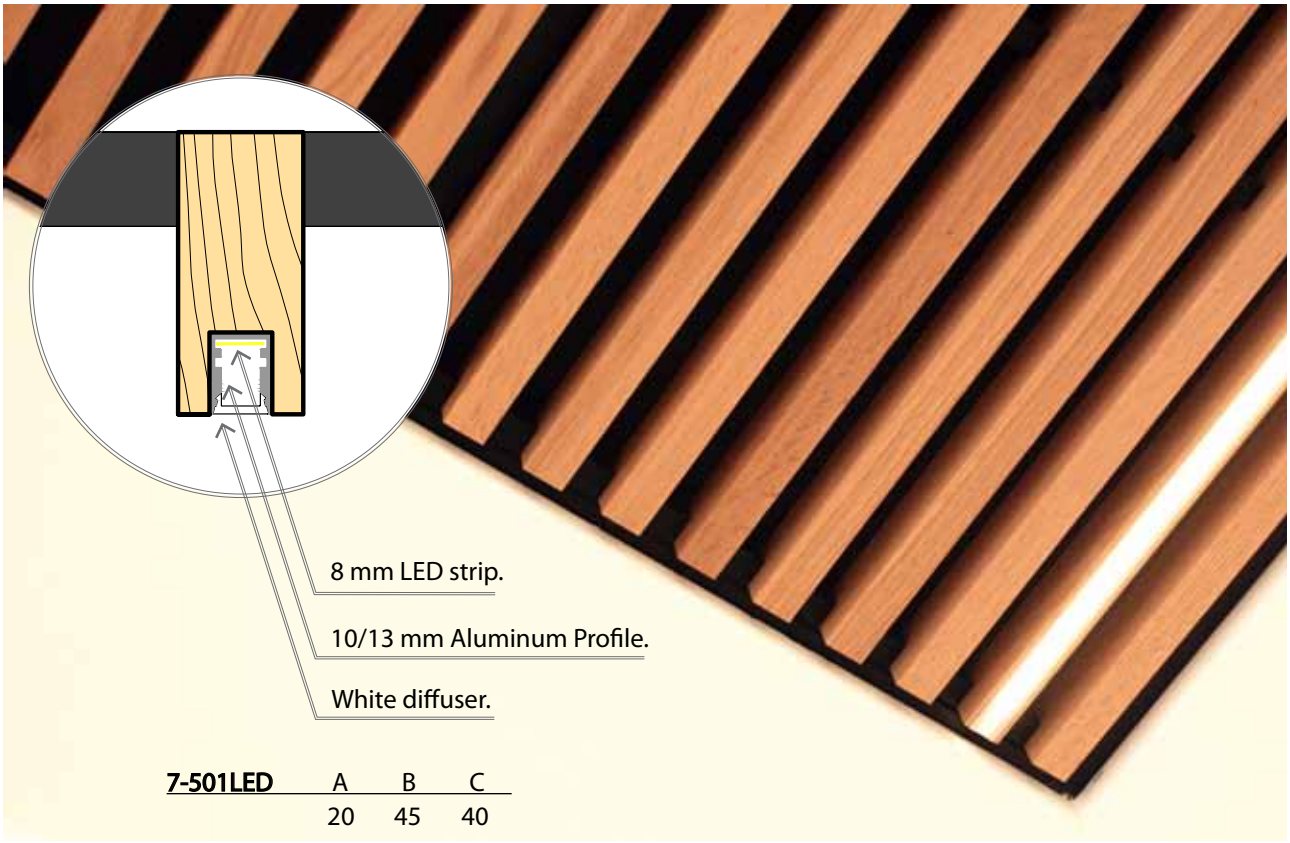

Dismantling for maintenance can be easily done by unscrewing the necessary screws.

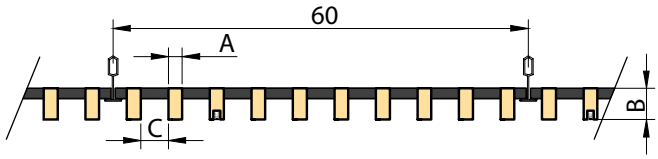


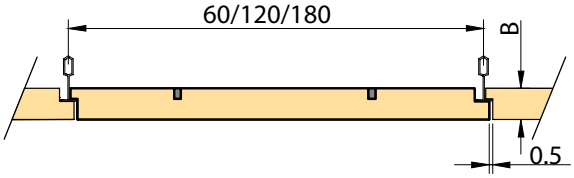

Marché couvert – Aurillac, France | Architect: Estival Architecture | Type: 7-501 Yellow Pine, clear varnish.

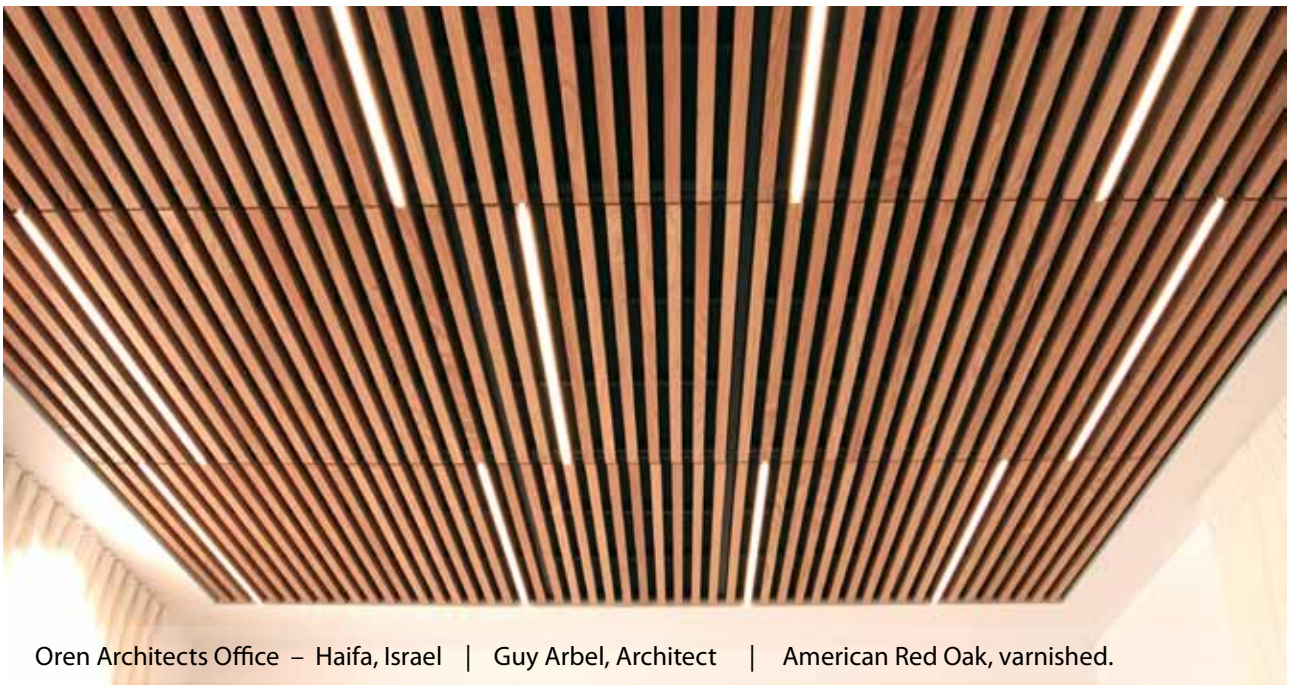
# SHILUVIT – LINEAR LIGHT PANELS

Oranit developed a linear panel with LED integrated into the panel's wood, creating a clean appearance.

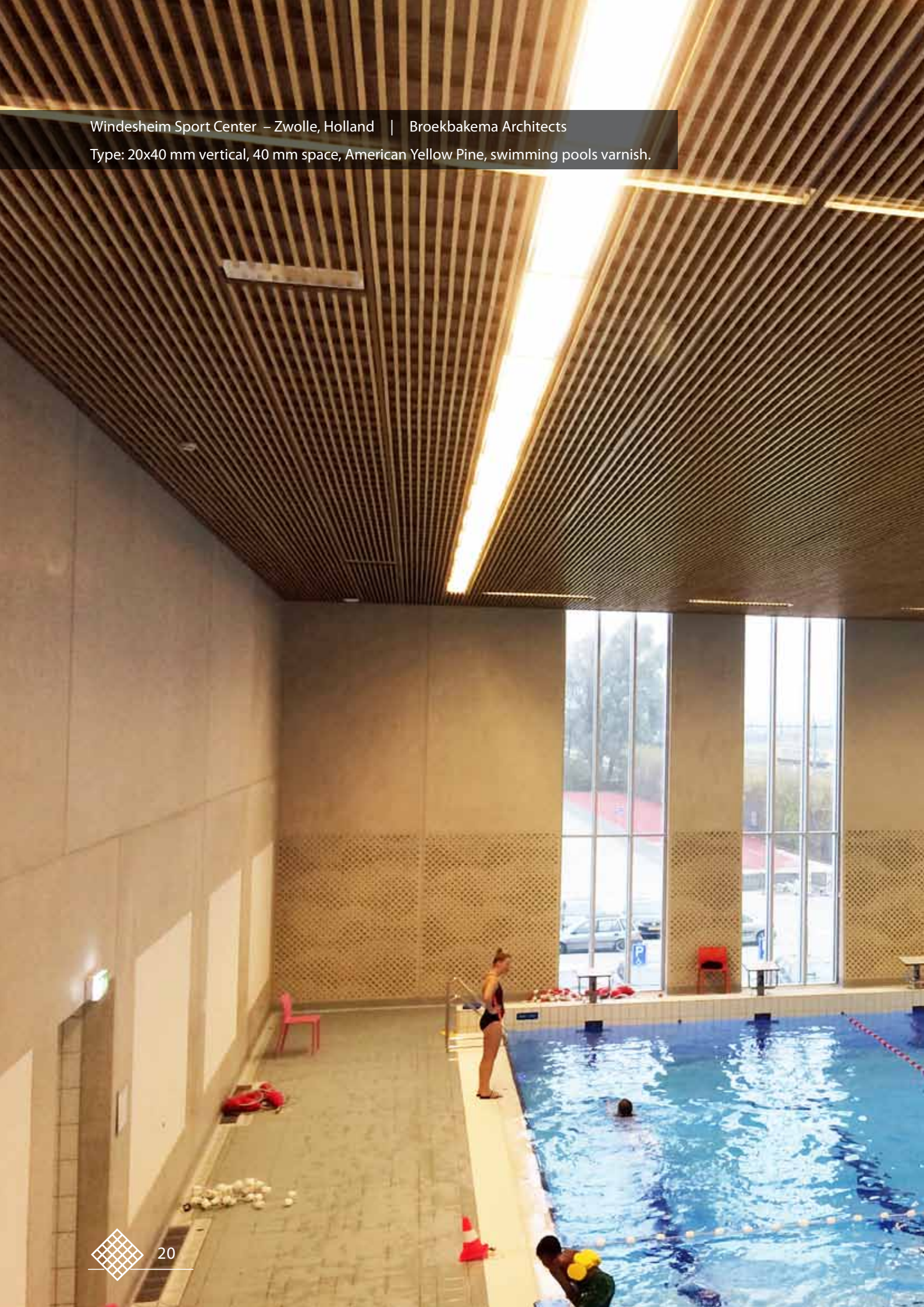


Oren Architects Office – Haifa, Israel | Guy Arbel, Architect | American Red Oak, varnished.



Windesheim Sport Center – Zwolle, Holland | Broekbakema Architects

Type: 20x40 mm vertical, 40 mm space, American Yellow Pine, swimming pools varnish.

# SHILUVIT CEILING FOR OUTDOORS USE AND SWIMMING POOLS

Oranit has a reliable experience with outdoors projects, roofed installations, and indoor swimming pools.

In both cases, special care should be taken to protect the wood from the high humidity environment.

For such projects, we spray special varnish on all sides of the panel, to prevent humidity from penetrating the wood.

# SHILUVIT PANELS FOR CORRIDORS

We developed a unique, easy-to-use panel especially for corridors.

It can be installed on angles running along the walls, with T bars between the panels to keep them straight.

APM Law office Tel Aviv, Israel | Michi Setter Architects. >
Type: 7 501A American Yellow Pine, White wash finish.

# SHILUVIT SPECIAL DESIGNS

Oranit is always open to new ideas and designs requested by architects.

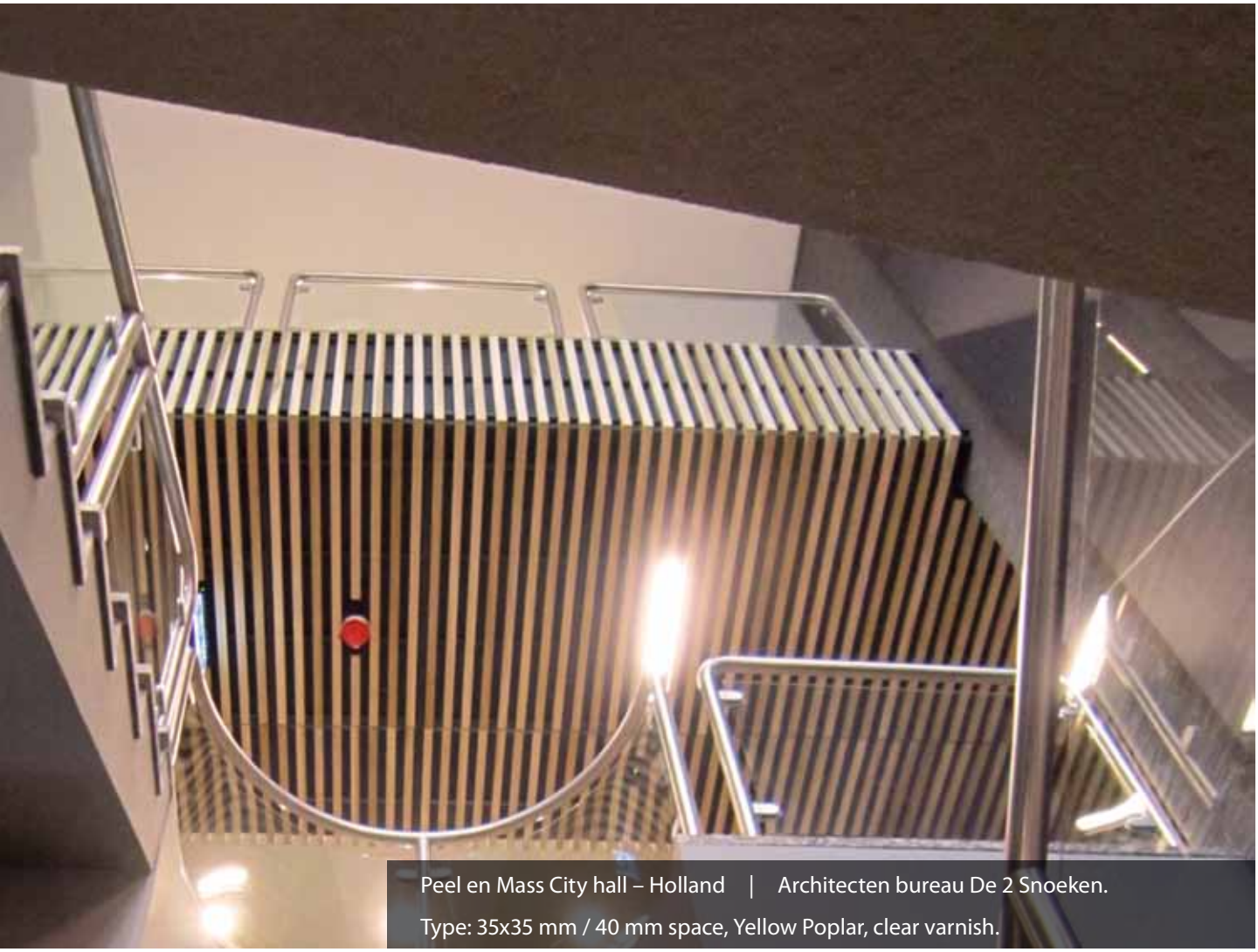
Apart of our standard pan els, we produced custom-made panels according to architects special specifi cations, to follow special building designs, giving ultimate solutions for unique shapes.

As all design and produc tion is done at Oranit, we always do our best to provide the architect s re quests for shapes, dimen sions, colors etc.

Tricotage Auditorium Veenendaal, Holland | LEVS Architects.
Type: 7 501 Yellow Poplar, clear varnish.

Barclays Bank Manchester, U.K. | Overbury Architects

Type: 20x55x80 mm, Beech, varnished.



Peel en Mass City hall – Holland | Architecten bureau De 2 Snoeken.

Type: 35x35 mm / 40 mm space, Yellow Poplar, clear varnish.

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