

# Contego

by Domex



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Two Contego skylights on a flat felt roof.





## *“Contego by Domex - A clear choice”*

With the new skylight solution Contego - Domex offers a modular, aesthetically clean next generation skylight with improved features - setting new standard for fire ventilation skylights and light rows on the Danish market.



Improved  
insulation



Leight  
Weight



High Inflow  
of Light



Modular  
Solution



Easy  
Mounting



Fast  
Production

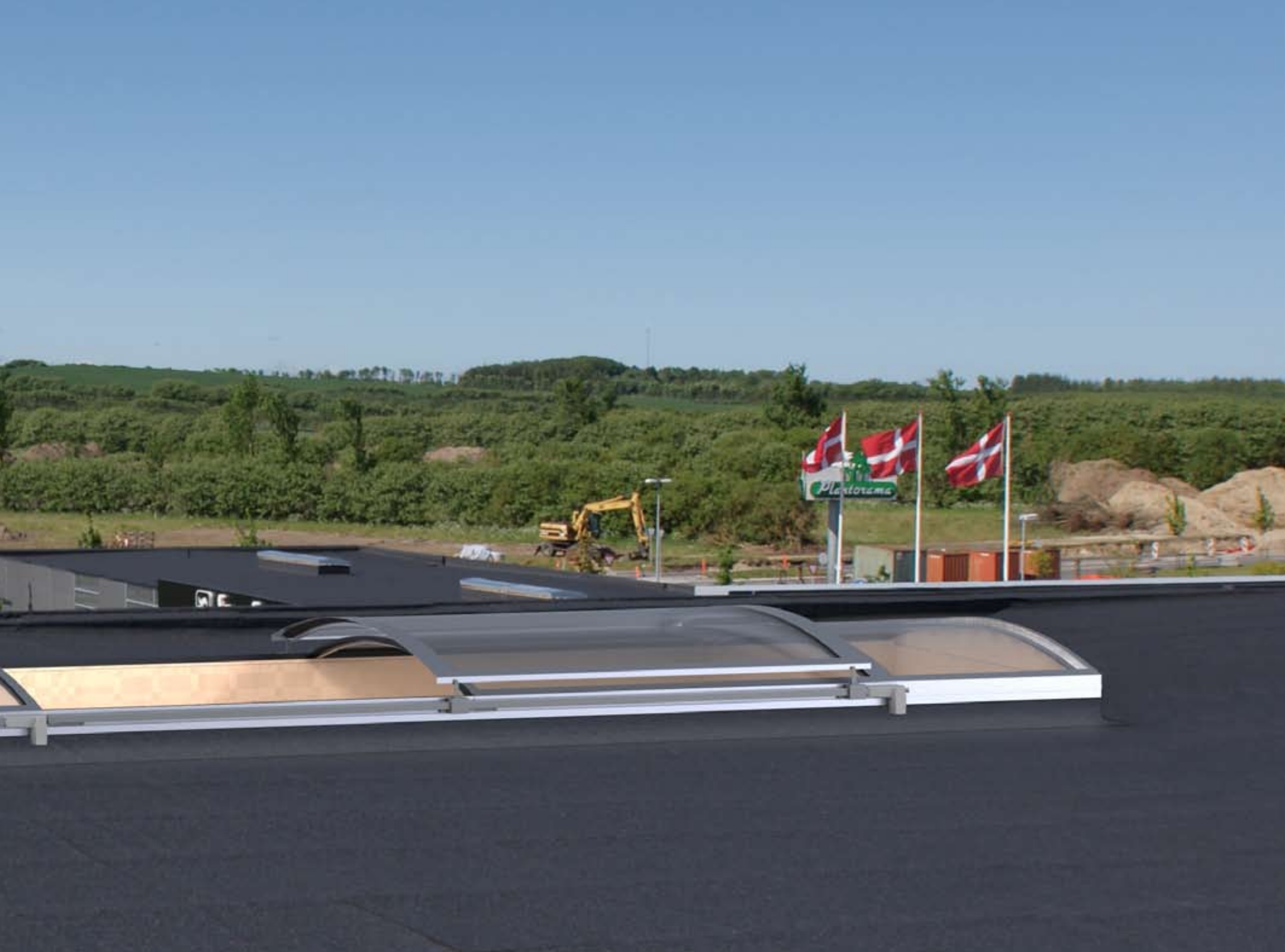
# Contego

by Domex



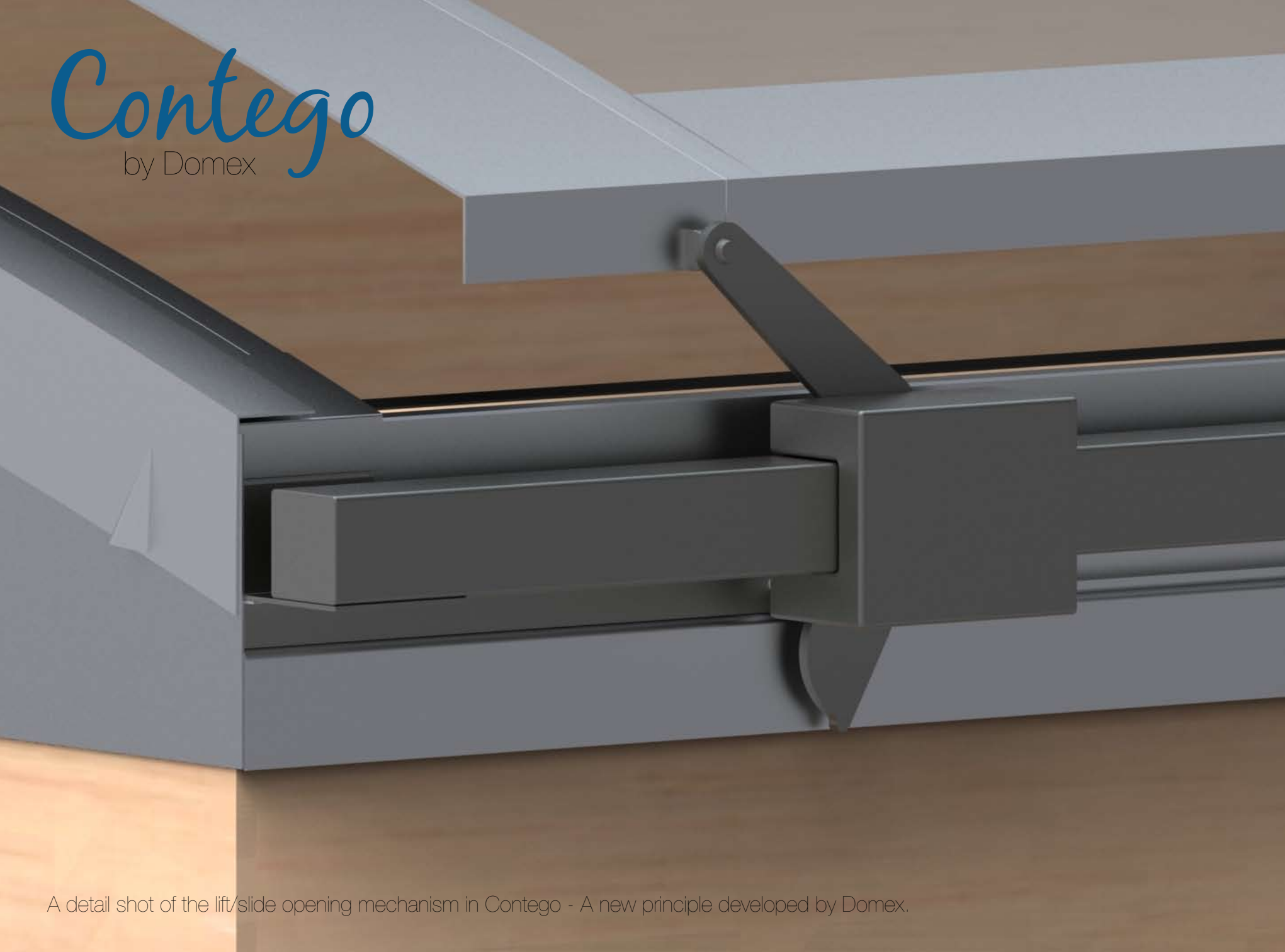
A Contego light row shown with two opening modules.





# Contego

by Domex



A detail shot of the lift/slide opening mechanism in Contego - A new principle developed by Domex.



# Contego

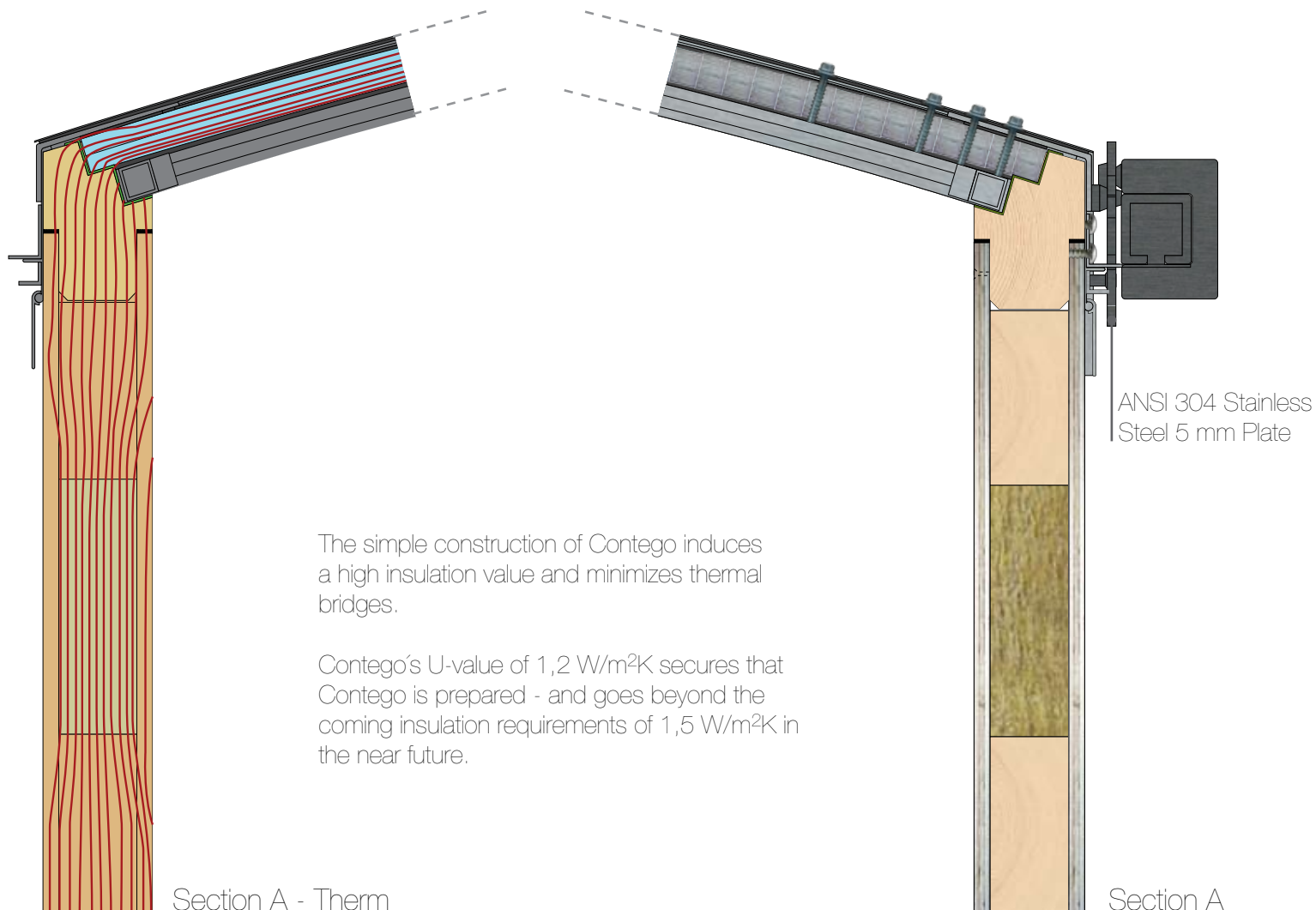
by Domex

The opening hatch slid fully open - Functionality and aesthetics combined in a simple solution.

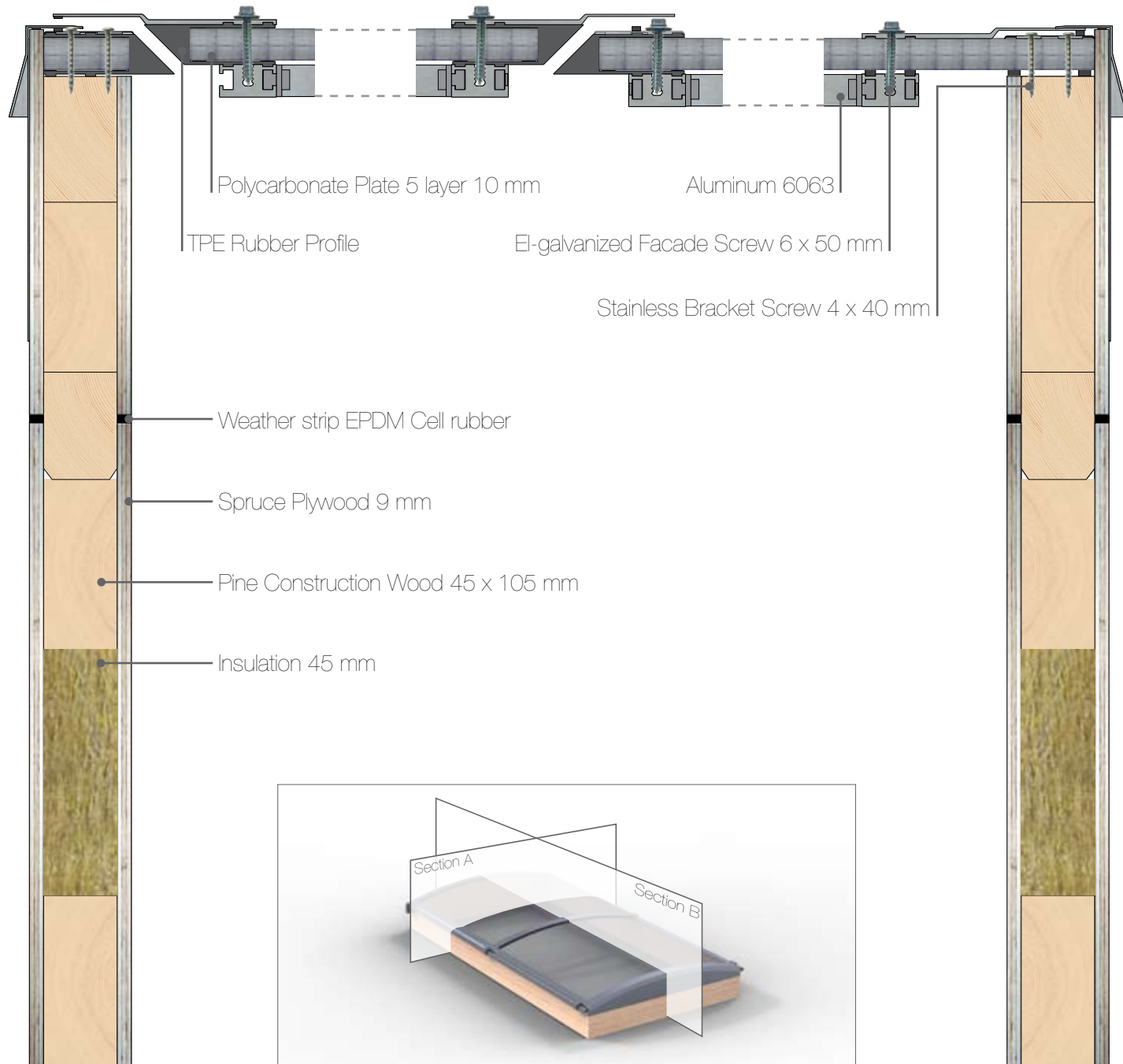


# Insulation

High insulation value and  
minimal thermal bridges







Section B



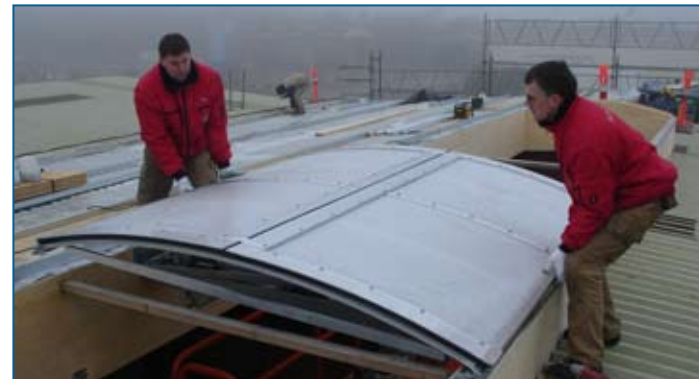
# Weight

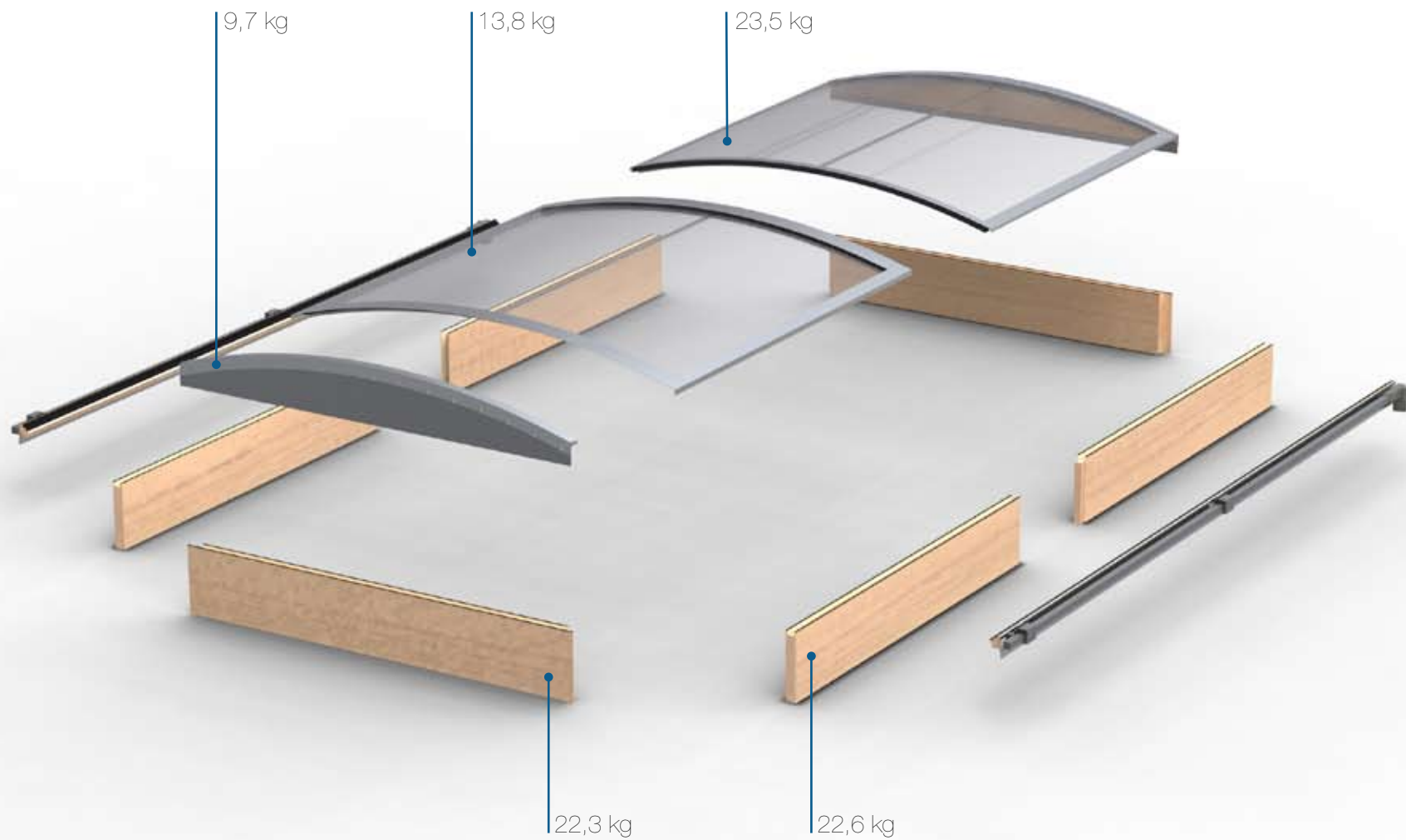
Low weight and easy handling



The heaviest module in Contego weighs 23,5 kg, which complies with the maximum weight of 25 kg set by the Danish work environment regulations.

Thereby all modules can be handled by one person according to the regulation - and the large size modules can easily be handled by two persons.







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# Aesthetics

Simple aesthetics and  
maximal inflow of light



Contego is aesthetically very simple seen from the inside - with no motor to disturb the view. Thereby the inflow of light is maximized in Contego - 92% of the skylights surface is transparent.

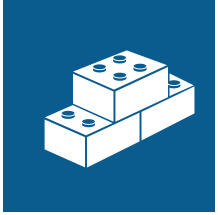


*Contego*  
by Domex









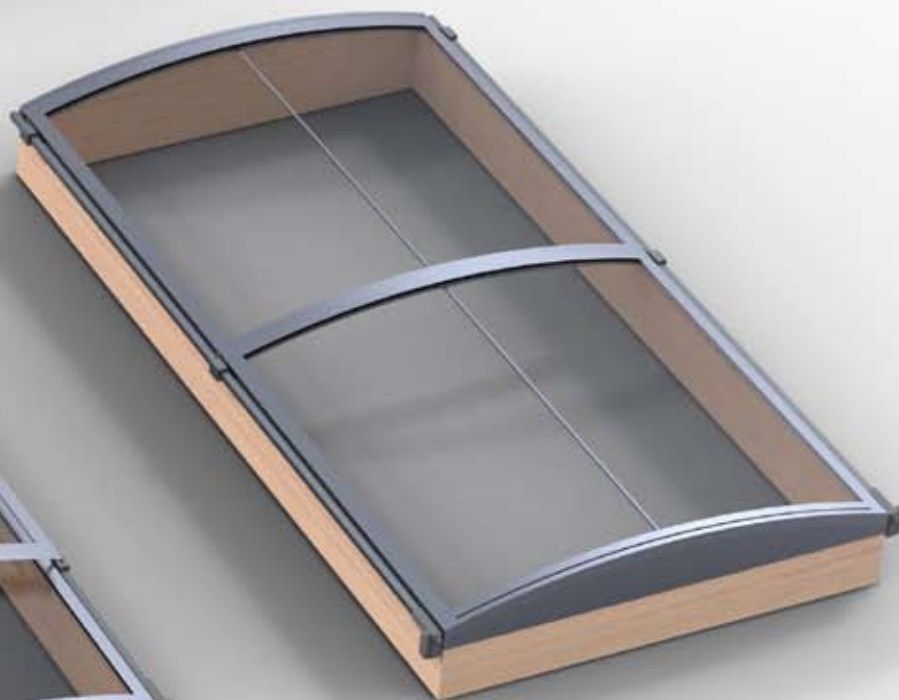
# Modularity

Modularity creates possibilities



Contego skylight and Contego light row are constructed of modules that can be produced in series - and thereby reduce the delivery time.

The same modules are used in the light row and skylight, which makes the production fast and flexible.







# Production

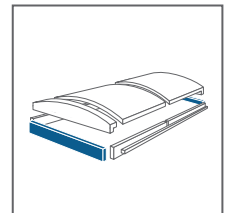
Modules produced in series



End Gable



The end gable is constructed of two plywood plates with 45mm insulation in between. The sides, top and bottom are closed with pinewood construction wood. Weather strips are placed on the top of each plywood plate to seal the joint to the upper end gable in the fixed light.



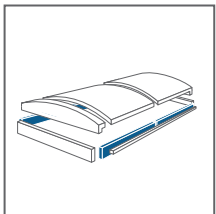


# Production

Modules produced in series



## Side Frame



There are three types of side frames in Contego - two types are used in the skylight and three types in the light row.

Two modules are for the side frame ends and the last module is used to create the desired length. The modules are constructed similarly to the end gable.





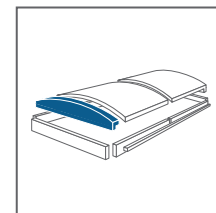


## Small Fixed Light



The small fixed light consists of a vaulted gable - constructed similarly to the end gable - and a fixed light with a rubber profile that meets an inverted rubber profile on the hatch.

The module can be produced with PC plates in variable lengths.



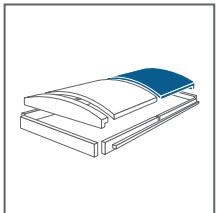


# Production

Modules produced in series



## Large Fixed Light



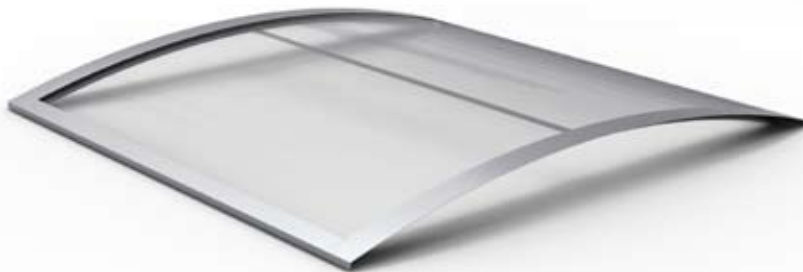
The large fixed light comes in two variations. One constructed like the small fixed light and another without a vaulted gable.

The module without vaulted gable is used to create the desired length of the light row.



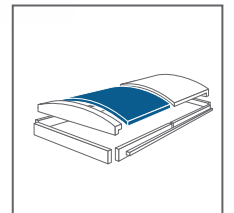


## Hatch



The hatch is constructed with identical ends so it cannot be placed incorrectly.

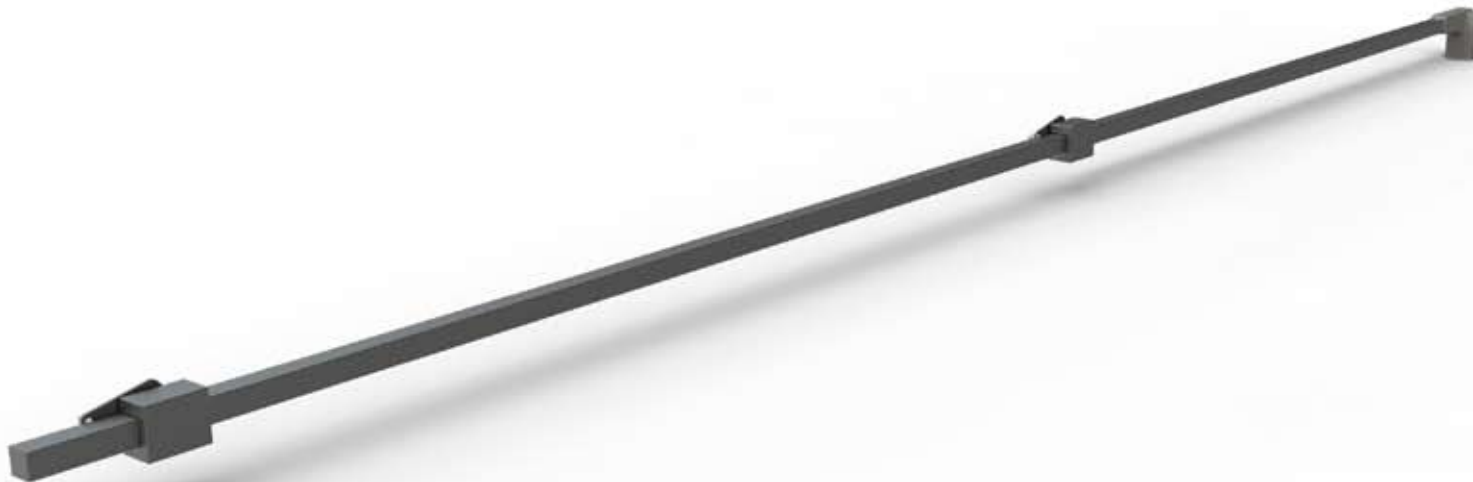
Three supporting crossbars stiffen the hatch - preventing it from twisting when performing the opening movement. Only the mid crossbar can be seen from the inside.



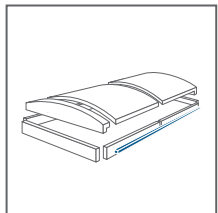


# Production

Modules produced in series



## Motor



Contego's opening mechanism is driven by a spindle motor that is placed outside on the upper side frame.

The motor is a complete kit delivered from the manufacturer - ready to mount on the upper side frame.





## Profiles and Fittings



El-galvanized facade  
screw 6 x 50 mm



Stainless bracket  
screw 4 x 40 mm



El-galvanized wood  
screw 4 x 40 mm



Nail gun seams 4 x  
50 mm



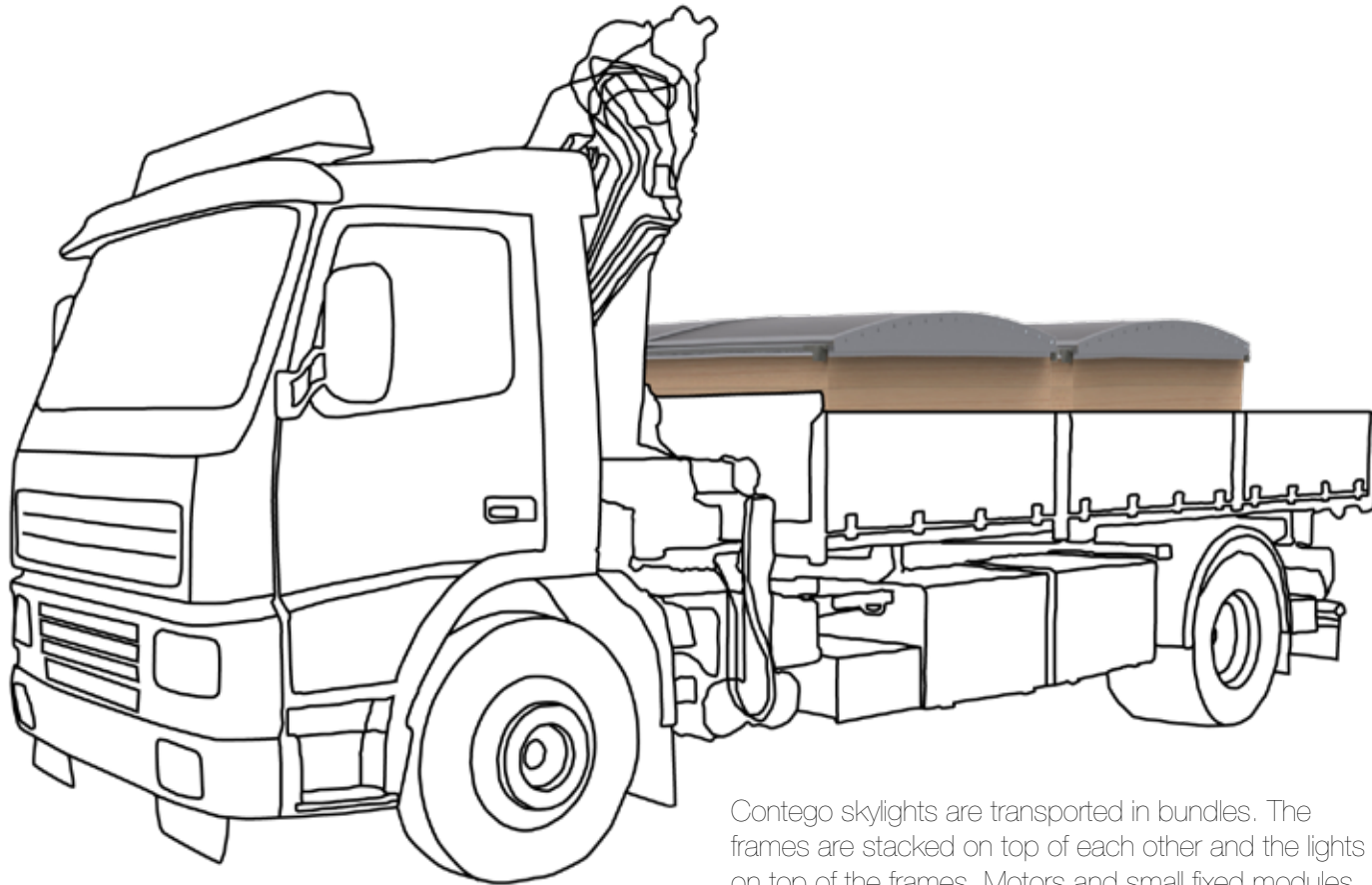
EPDM Cell rubber  
weather strip

In Contego there are  
twelve types of profiles,  
three types of screws,  
seams and weather strip.



# Transport

Easy transportation of  
skylight and light row

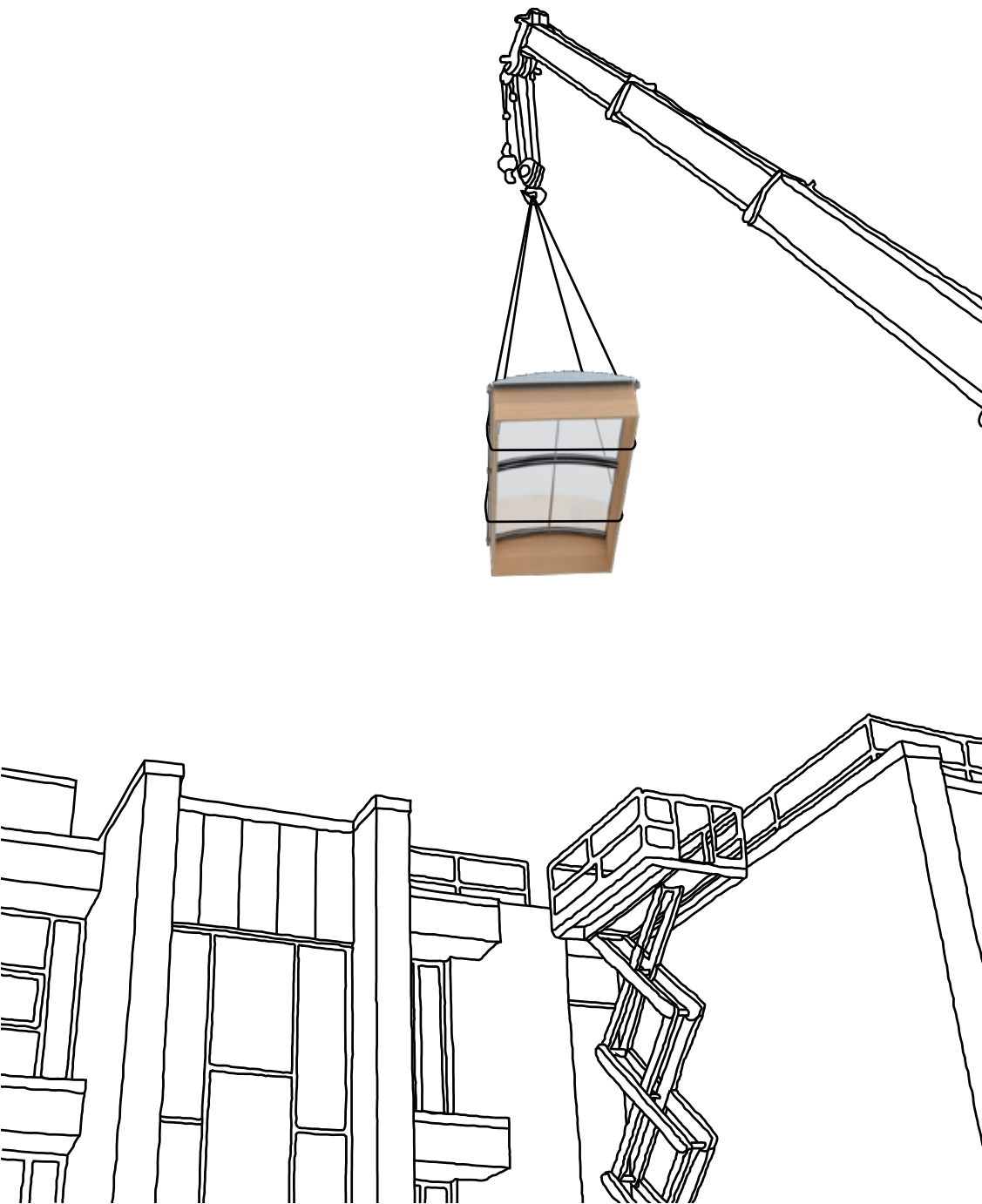
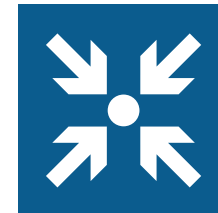


Contego skylights are transported in bundles. The frames are stacked on top of each other and the lights on top of the frames. Motors and small fixed modules lie on a separate pallet.

Light rows are transported as modules on pallets.

# Mounting

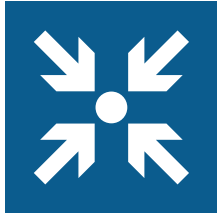
Contego skylight



## From truck to roof

Contego skylight is lifted with a crane on the roof - in the same sized bundles as it in the transport.





# Mounting

Contego skylight



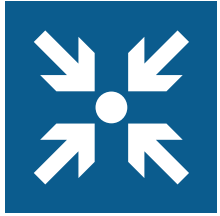
## Unloading Bundle

The light and motor modules are manually lifted of the transportation bundle. Afterwards the frames are lifted into the pre cut holes on the roof.



## Top Frame and Motor

The upper side frames with aluminum profiles and motor are placed on top of each of the long sides and screwed to the lower side frame.



# Mounting

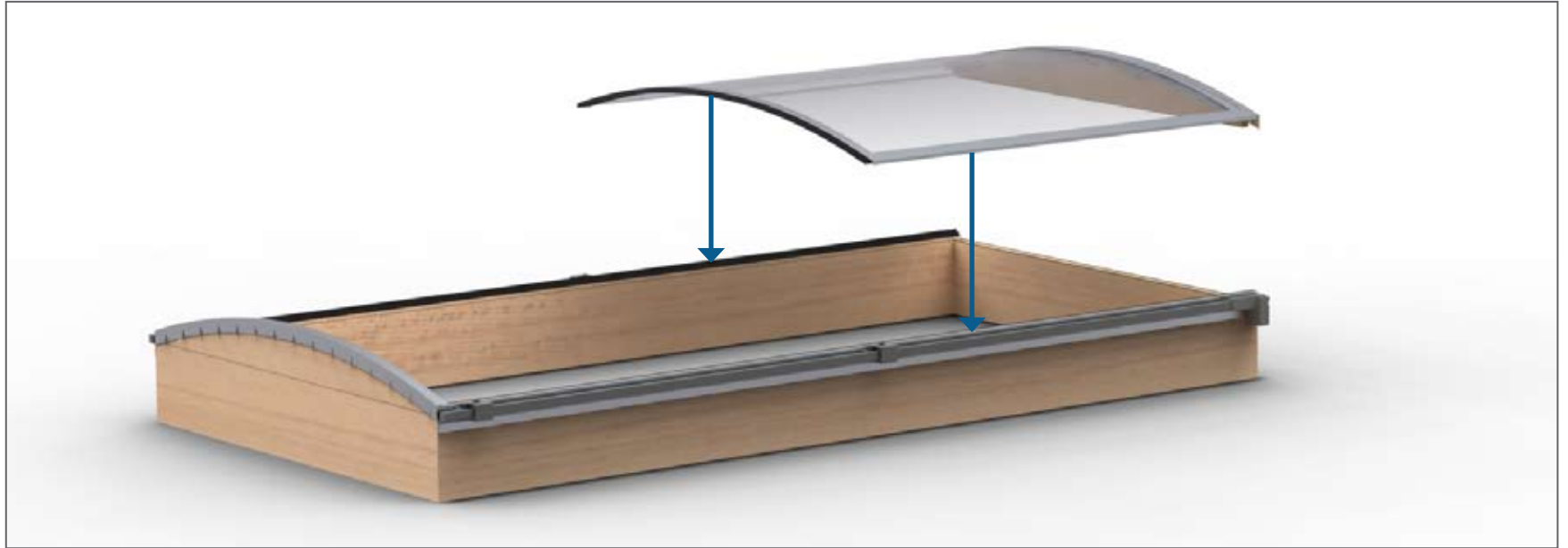
## Contego skylight



### Small Fixed Light

A small fixed light is placed on the lower gable. The module is fastened with screws through the frame on the gable and with screws through the aluminium profiles on the light into the upper side frame.





## Large Fixed Light

A large fixed light is placed on the opposite gable. The module is fastened with screws to the frame's gable and through the aluminium profiles on the light into the upper side frame.



# Mounting

Contego skylight



## Hatch

The hatch is placed in between the two fixed lights and mounted to the motor's swing arms.



## Felt roof and finishing profiles

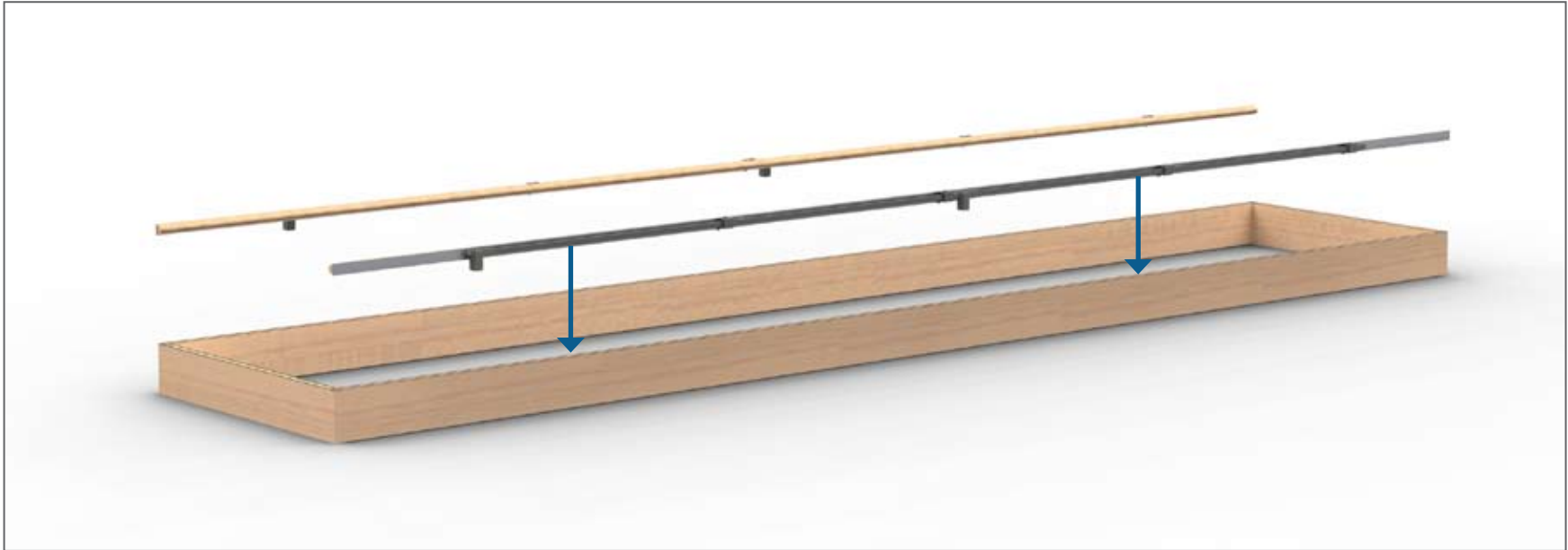
The aluminum sheets on the fixed lights are unmounted and felt roof is welded on the frame. The aluminum plates are screwed on the gable and the protective profiles on the side frame are clicked on an already mounted aluminum profile.





# Mounting

## Contego Light Row



### Top Frame and Motor

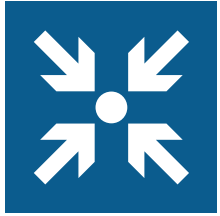
The frame is mounted into the pre cut hole identically to the procedure presented in the chapter "Production and Mounting" in the proces report.

Afterwards the top frame with aluminum profiles and motor are placed on top of each of the long sides and screwed into the frame's long side.



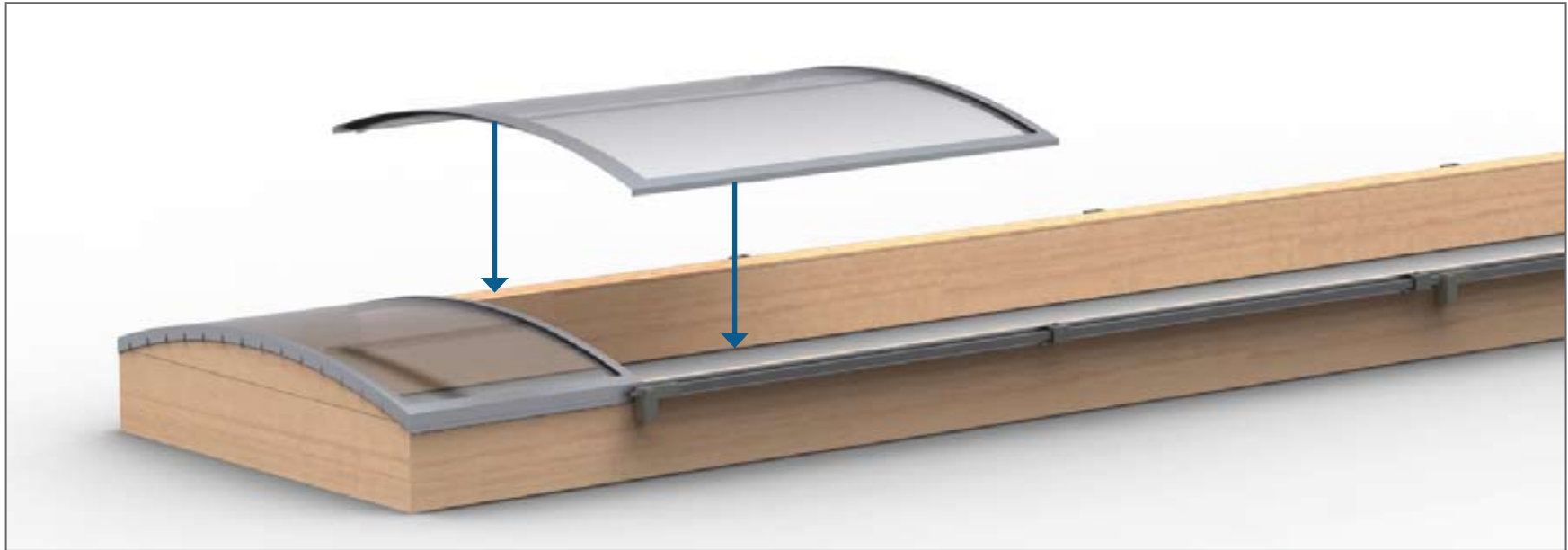
## Fixed Light

A fixed light is placed at the end of the frame. The module is fastened with screws through the frame on the short side and through the aluminium profiles on the light into the upper side frame.



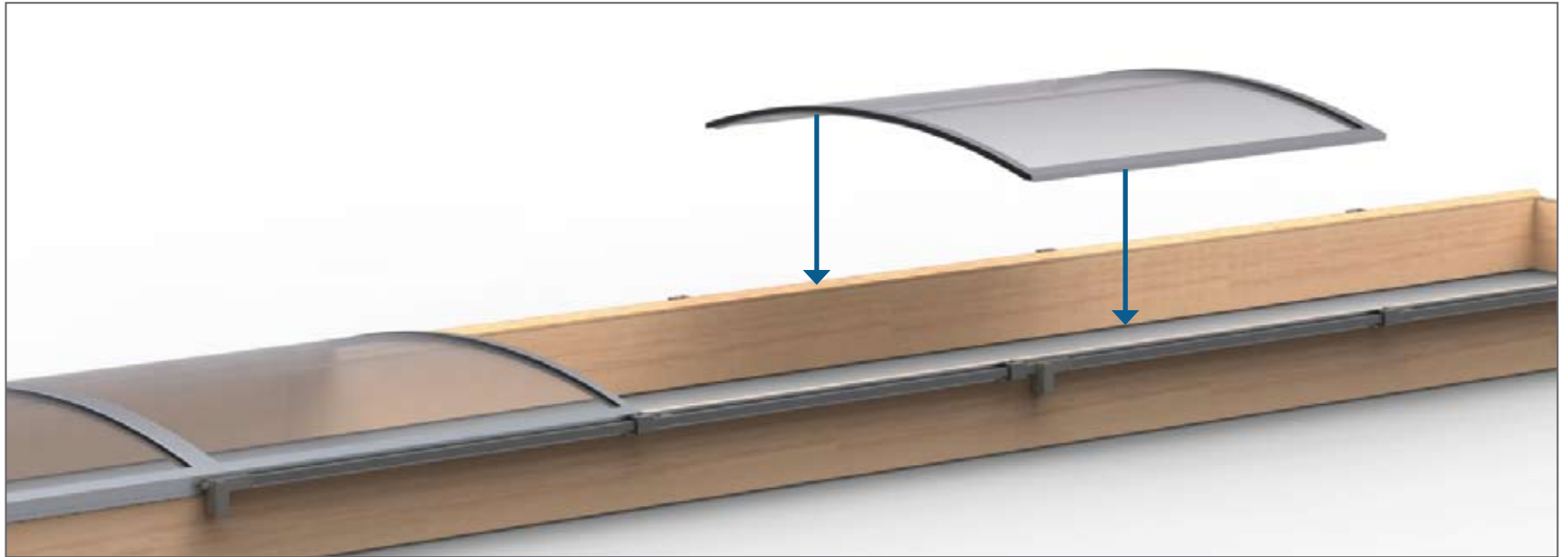
# Mounting

## Contego Light Row



### Fixed Light

A fixed light is placed on the top frames and fastened with screws through the aluminum profiles on the fixed light into the upper side frame.



## Fixed Light

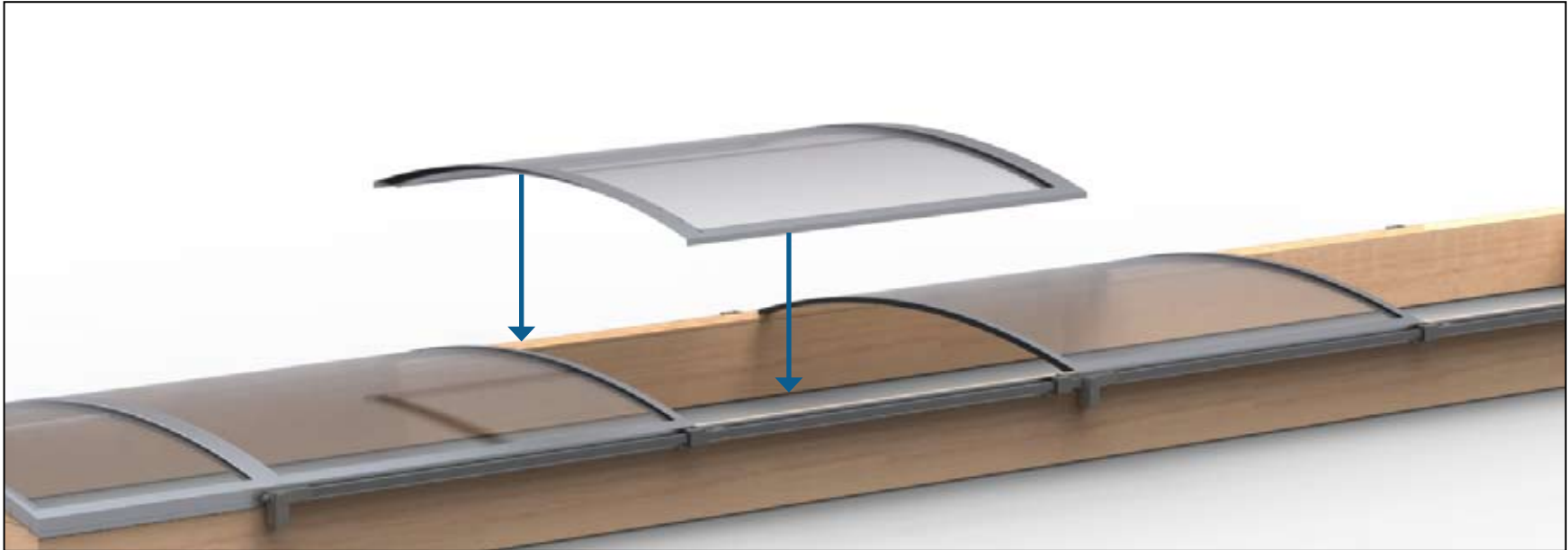
A fixed light is placed one hatch's length away from the previously mounted fixed light. The module is not fastened right away to be able to adjust and place the hatch module correctly.





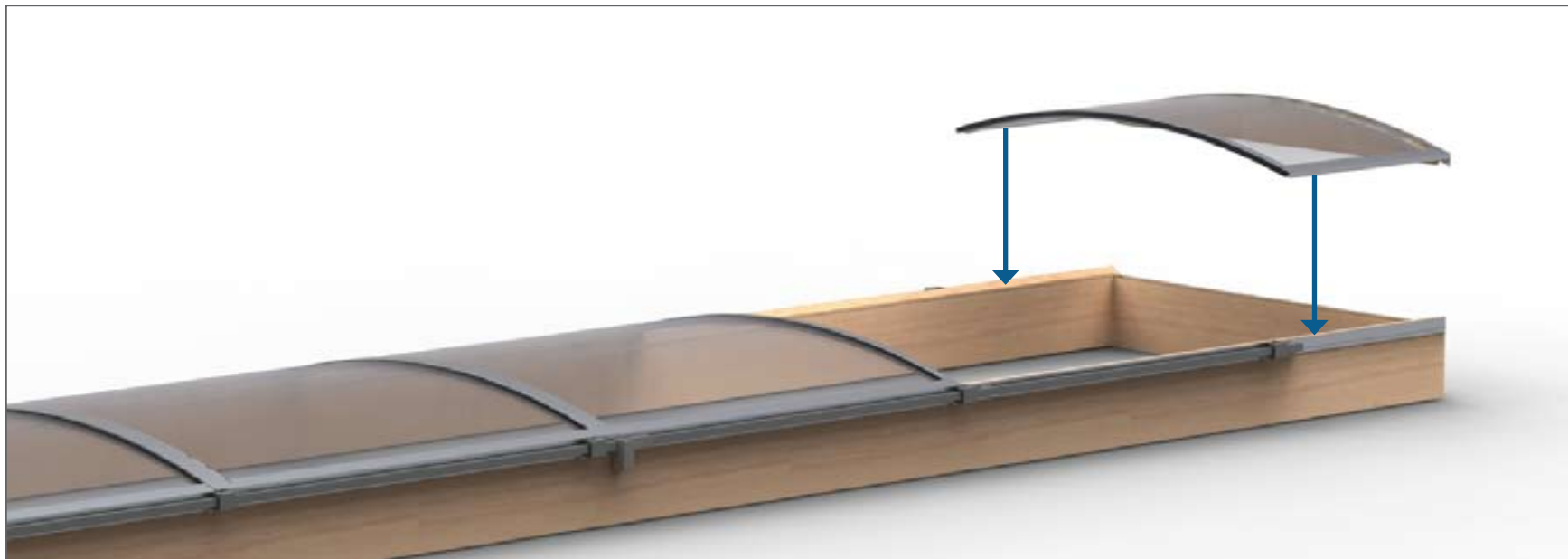
# Mounting

## Contego Light Row



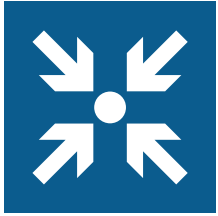
### Hatch

A hatch is placed in between the fixed lights and mounted to the motor's swing arms. Afterwards the fixed light - previously placed on the frame - is fastened with screws through the aluminium profile and into the upper frame.



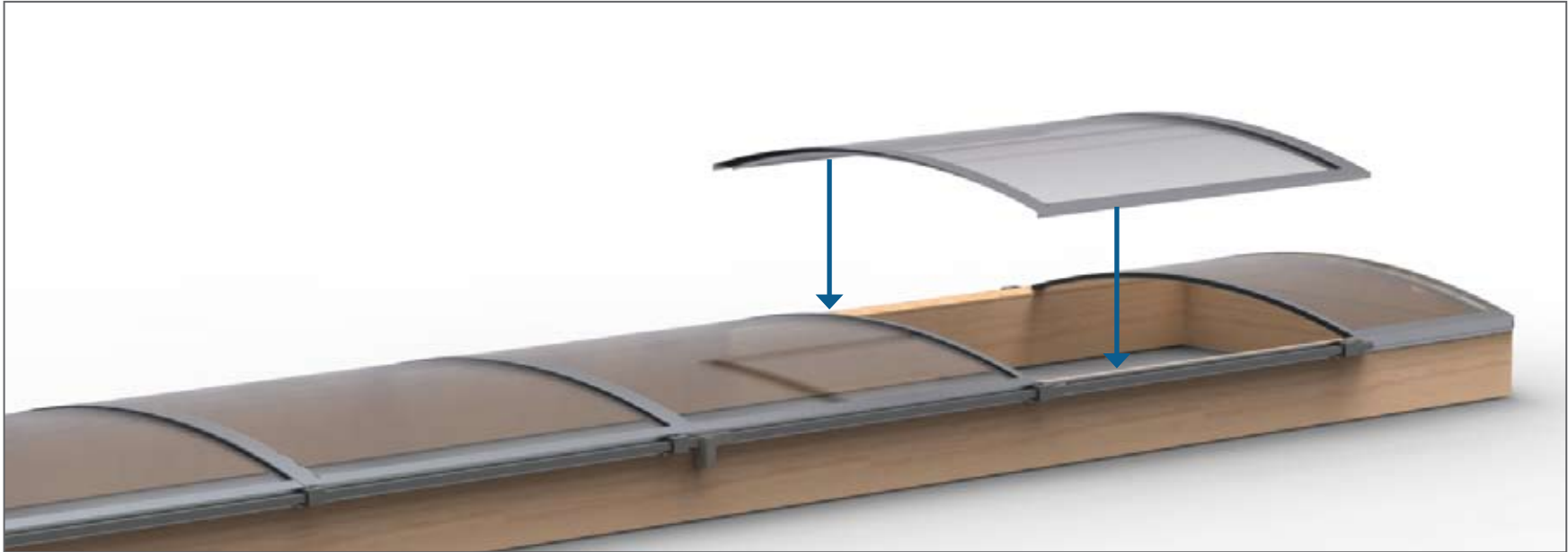
## Fixed Light

The last fixed light is placed at the end of the frame. The module is fastened with screws to the frame's gable and through the aluminum profiles on the fixed light into the upper side frame.



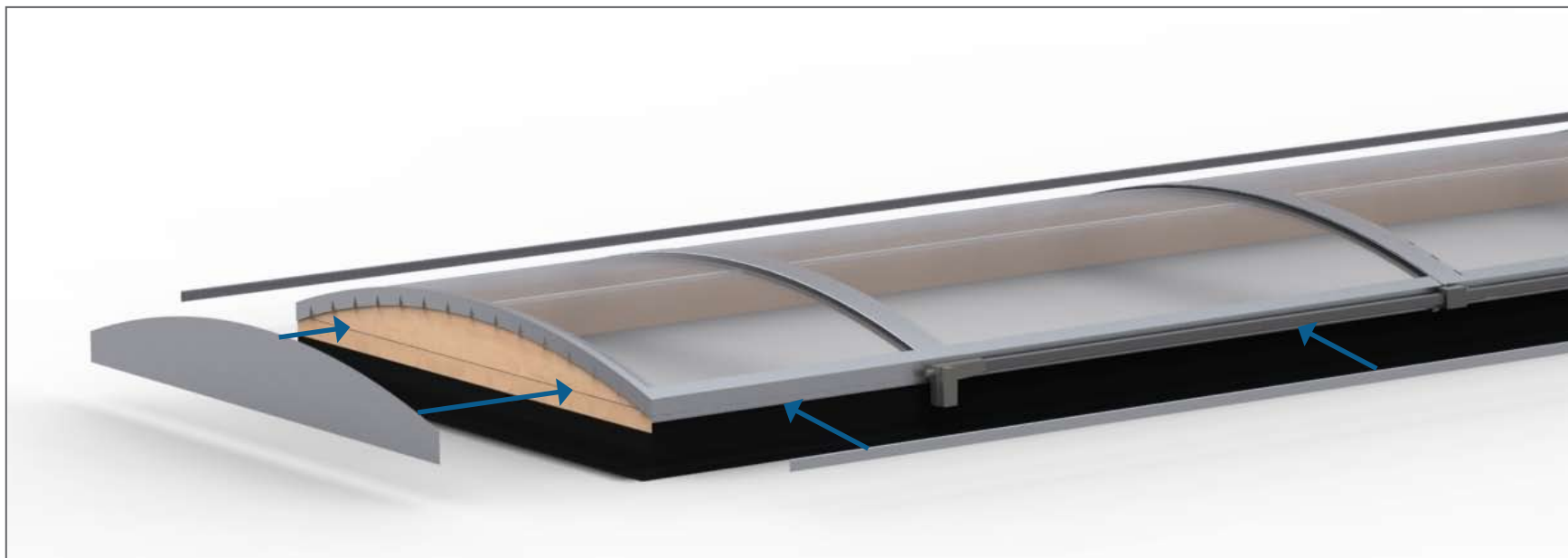
# Mounting

Contego Light Row



## The last module

The hatch is placed in between a fixed light and the previous placed fixed end light. Then the hatch is mounted to the motor's swing arms.



## Felt roof and finishing profiles

The aluminum sheets on the fixed lights are unmounted and felt roof is welded on the frame. The aluminum plates are screwed on the gable and the protective profiles on the side frame are clicked on an already mounted aluminum profile.





# Production Price

End Gable



Plywood 9mm  
Pine Laths 45 x 105  
Insulation 45mm

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205 Kr.

Side Frame



Plywood 9mm  
Pine Laths 45 x 105  
Insulation 45mm

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205 Kr.

Small Fixed Light



Plywood 9mm  
Pine Laths 45 x  
105mm  
PC Plate 10mm  
Rubber Profile  
Aluminum Profile 8  
Aluminum Profile 9

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112 Kr.

### Large Fixed Light



PC Plate 10mm  
Rubber Profile  
Aluminum Profile 1  
Aluminum Profile 6  
Aluminum Profile 8  
Aluminum Profile 10  
Aluminum Profile 11

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952 Kr.

### Hatch



PC Plate 10mm  
Rubber Profile  
Aluminum Profile 1  
Aluminum Profile 6  
Aluminum Profile 10  
Aluminum Profile 11

---

955 Kr.

### Motor



Motor  
Aluminum Profile 2  
Aluminum Profile 3  
Aluminum Profile 7  
Pine Profile 5  
Plastic Profile 4

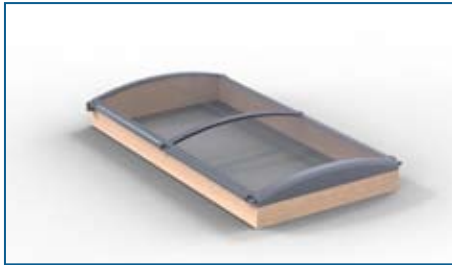
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1850 Kr.



# Production Price

## Man Hours

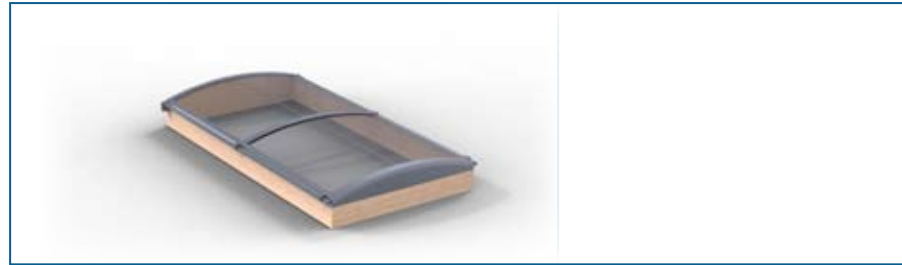


Hours

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2090 Kr.

## Total Price



End Gable	2 pieces	410 Kr.
Side Frame	4 Pieces	820 Kr.
Small Fixed Light	1 Piece	112 Kr.
Large Fixed Light	1 Piece	952 Kr.
Hatch	1 Piece	955 Kr.
Motor	2 Pieces	3700 Kr.
Man Hours		2090 Kr.

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9039 Kr.



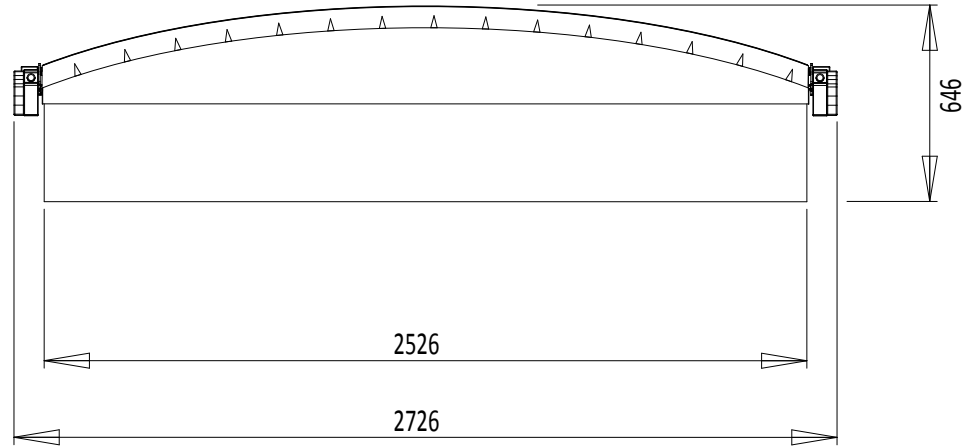
Profiles in Contego



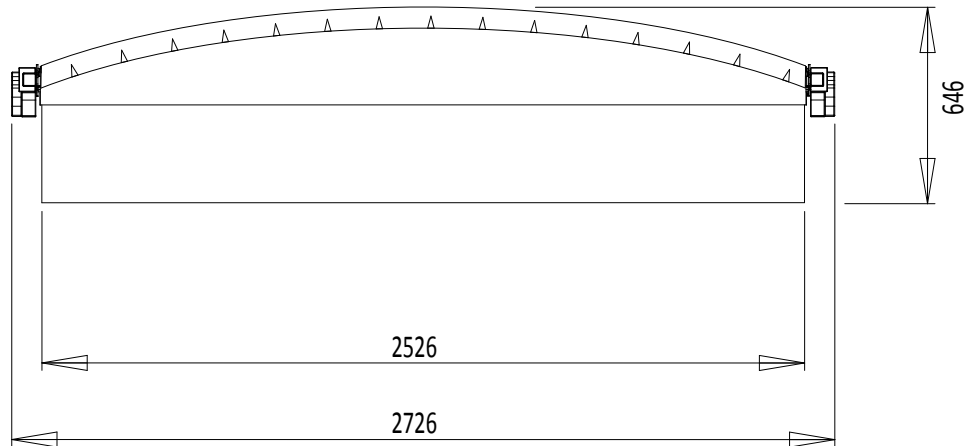


# Technical Drawings

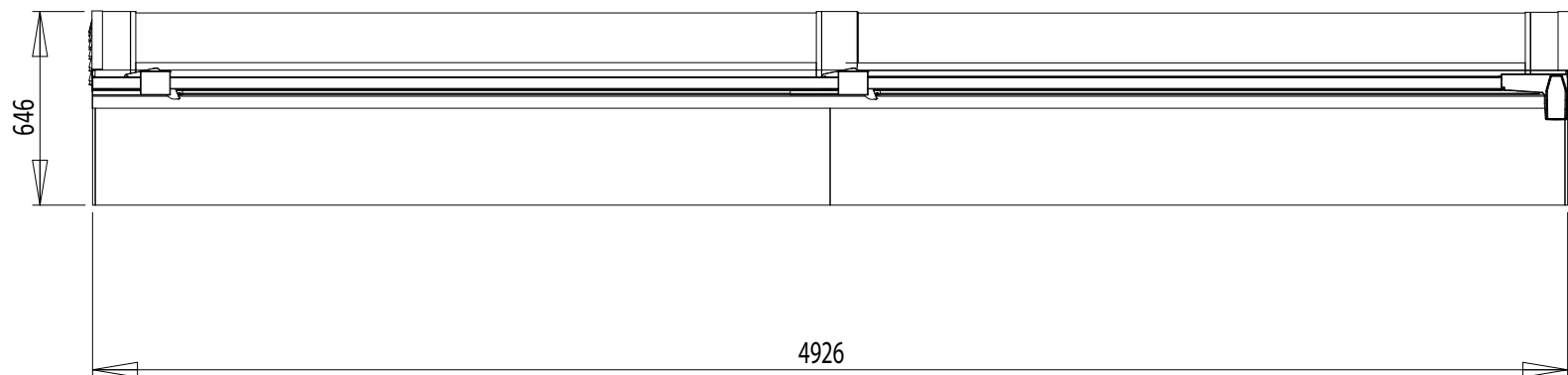
Contego Skylight



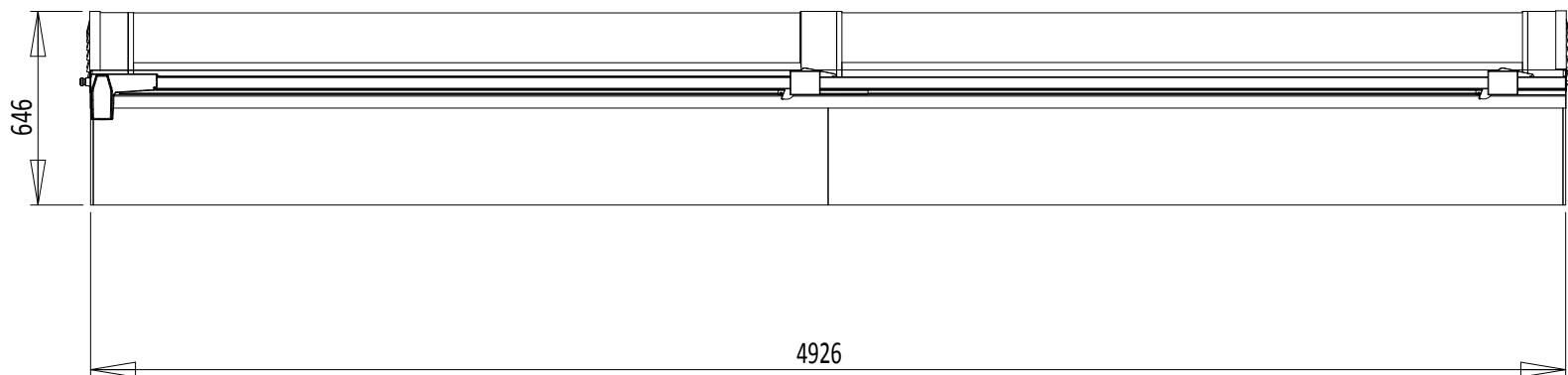
Front 1:25



Back 1:25



Left 1:25

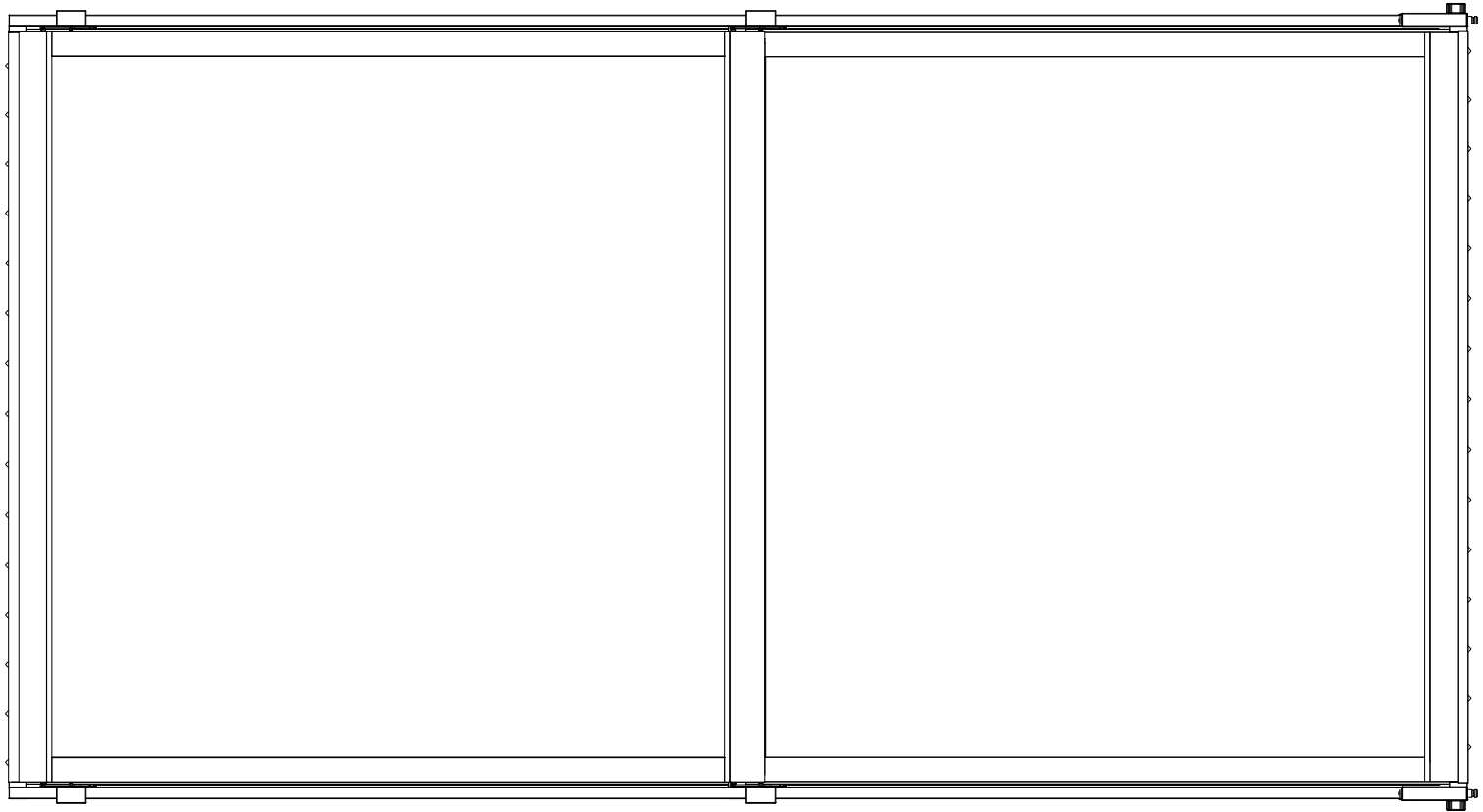


Right 1:25

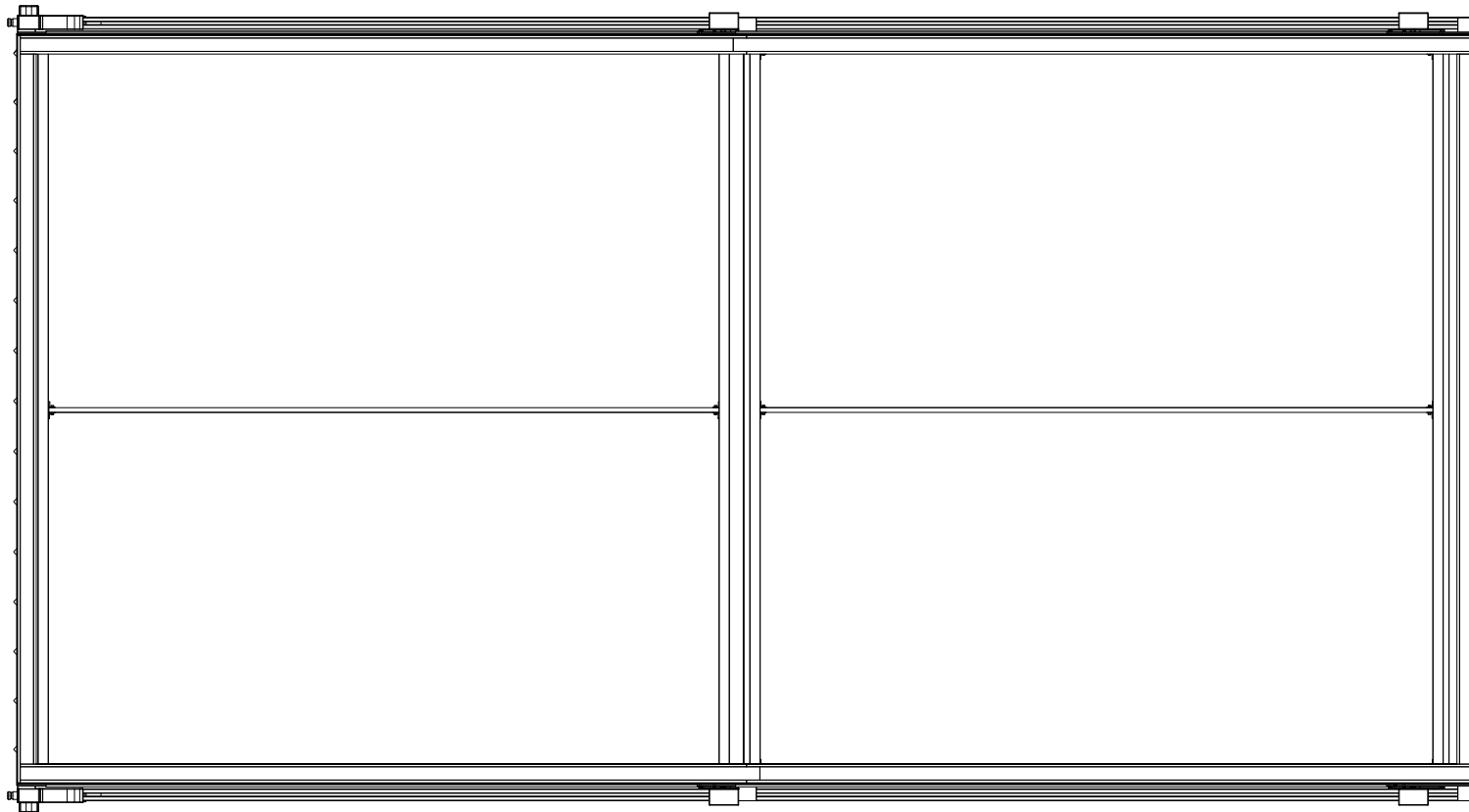


# Technical Drawings

Contego Skylight



Top 1:25

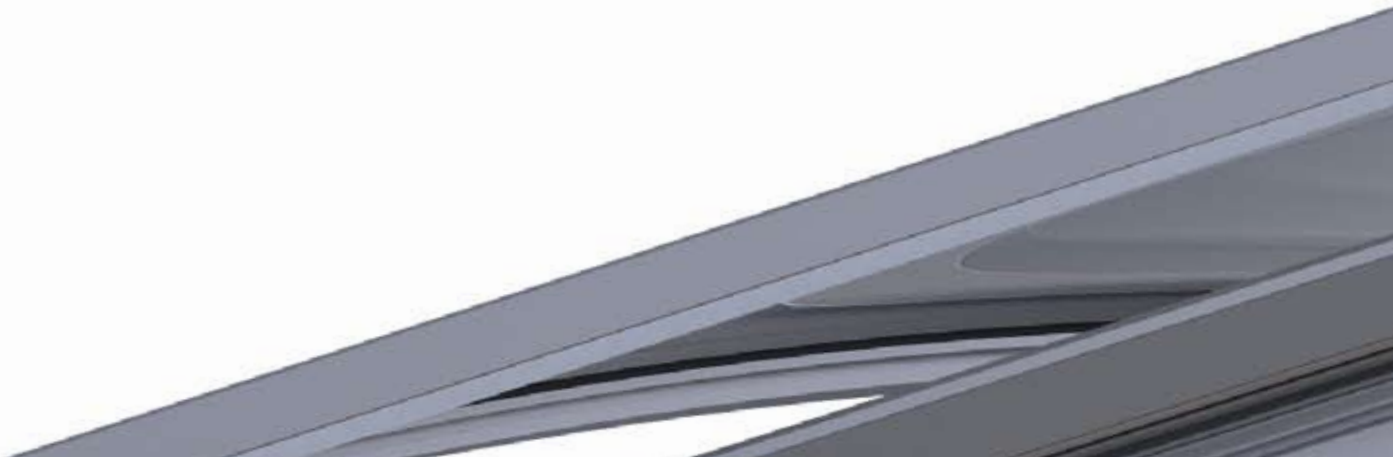


Bottom 1:25



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