

# Window tinting proposals and solutions

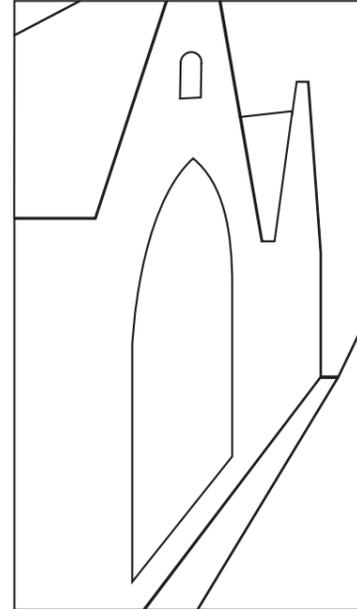
**Giorgio Andreotta Calò**  
**Oude Kerk, Amsterdam**

Contact and questions  
**Sjoerd Tim & Finbar van Wijk**

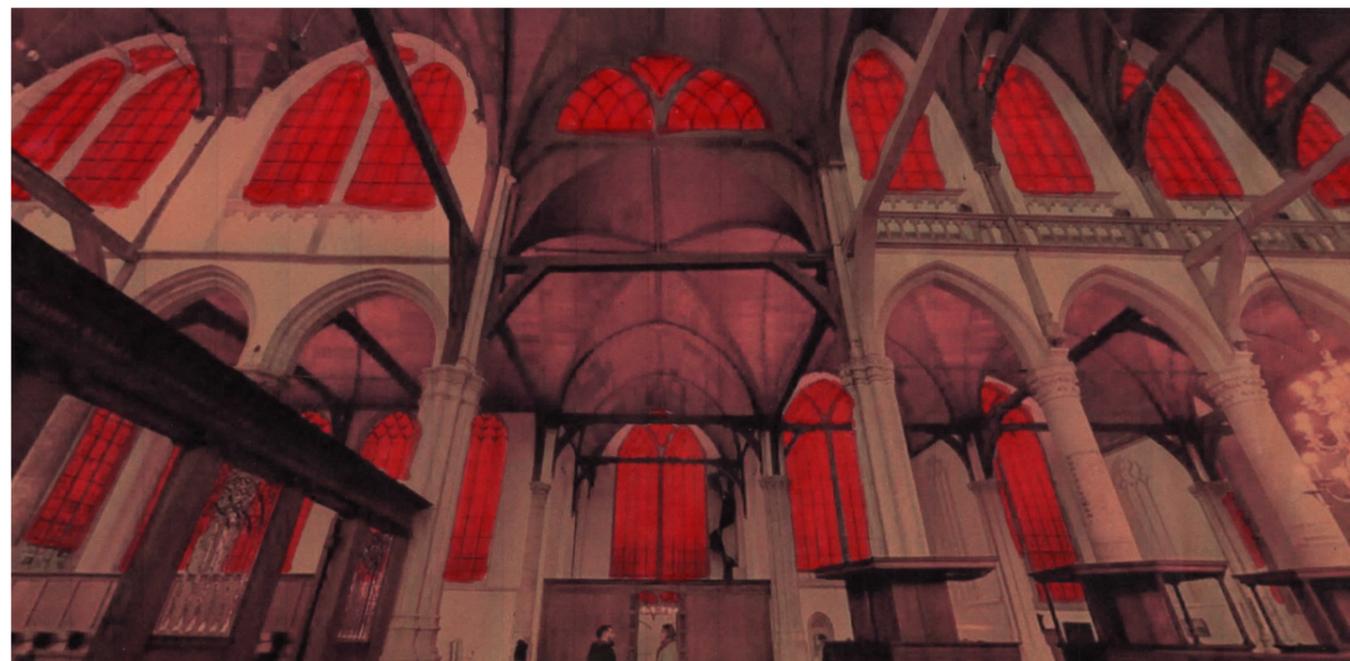
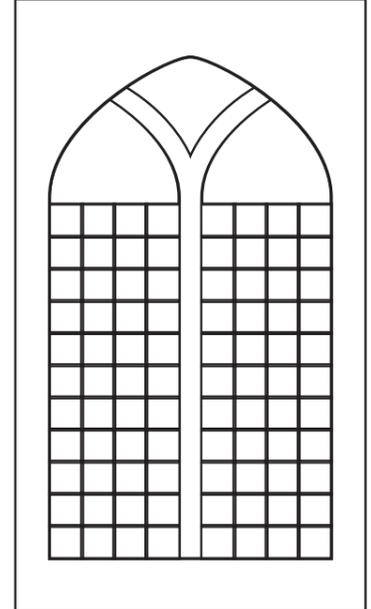
**[Redacted contact information]**

**[Redacted contact information]**

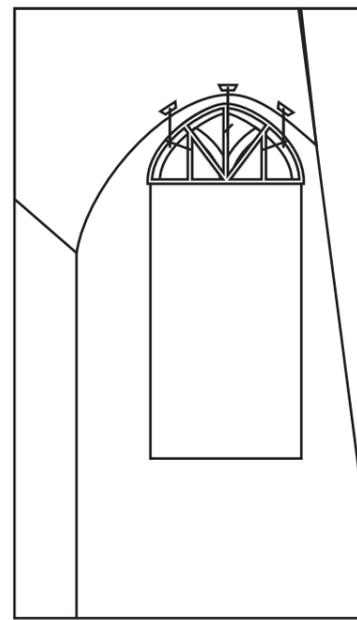
### Solution 1 Outdoor frames p5-9



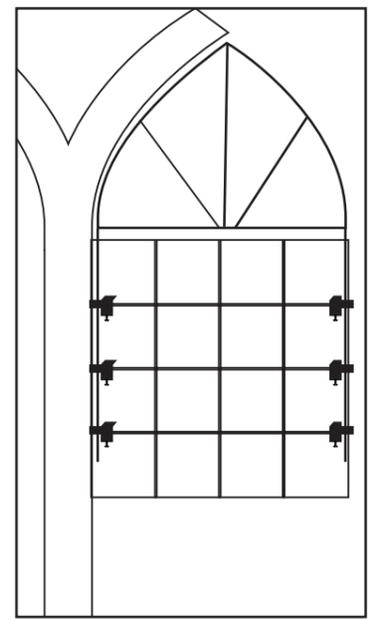
### Solution 2 Vertical clip-on strips p11-15



### Solution 3 Hanging lancet arch p17-19

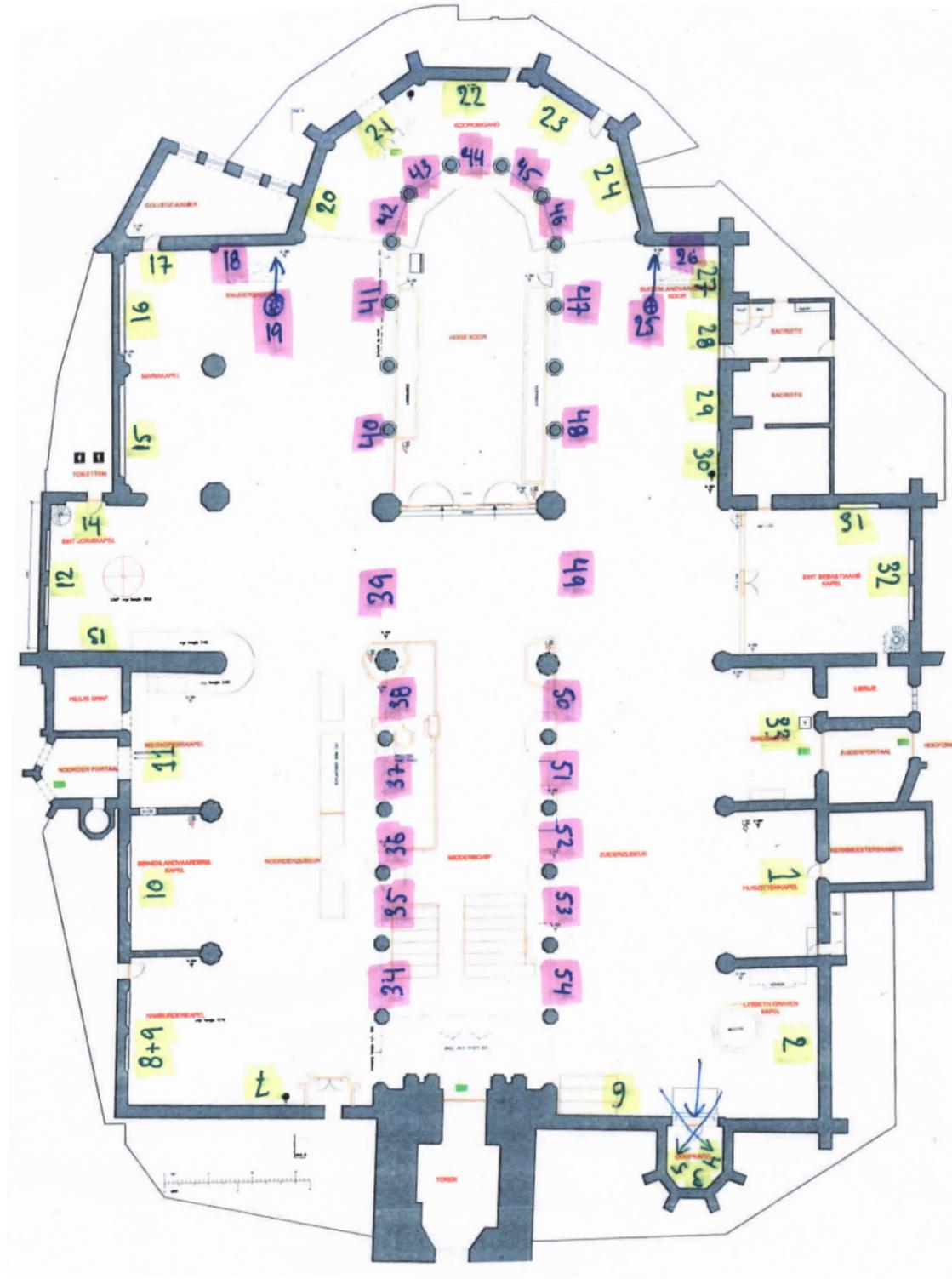


### Solution 4 Build-in lancet arch p21-26



# Floorplan Oude Kerk

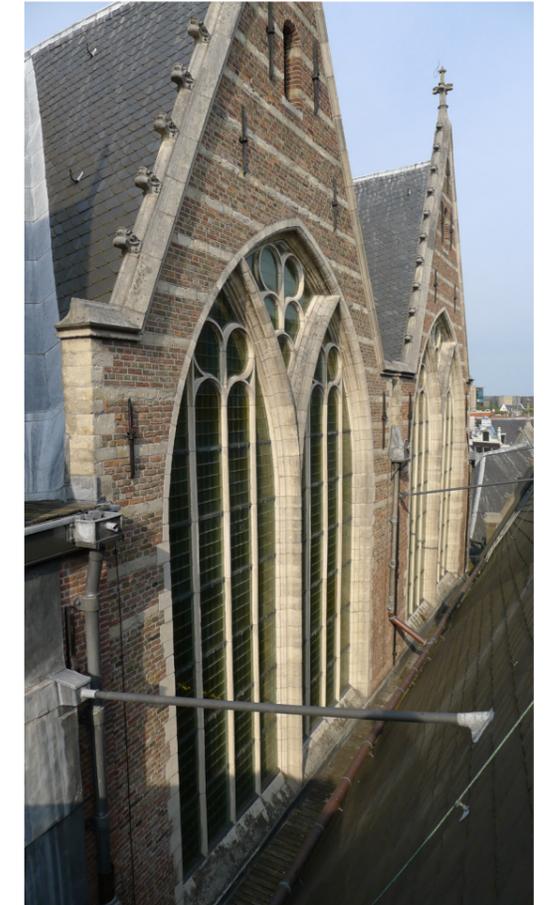
Overview windows



■ WINDOWS COVERED FROM OUTSIDE   ■ WINDOWS COVERED FROM INSIDE

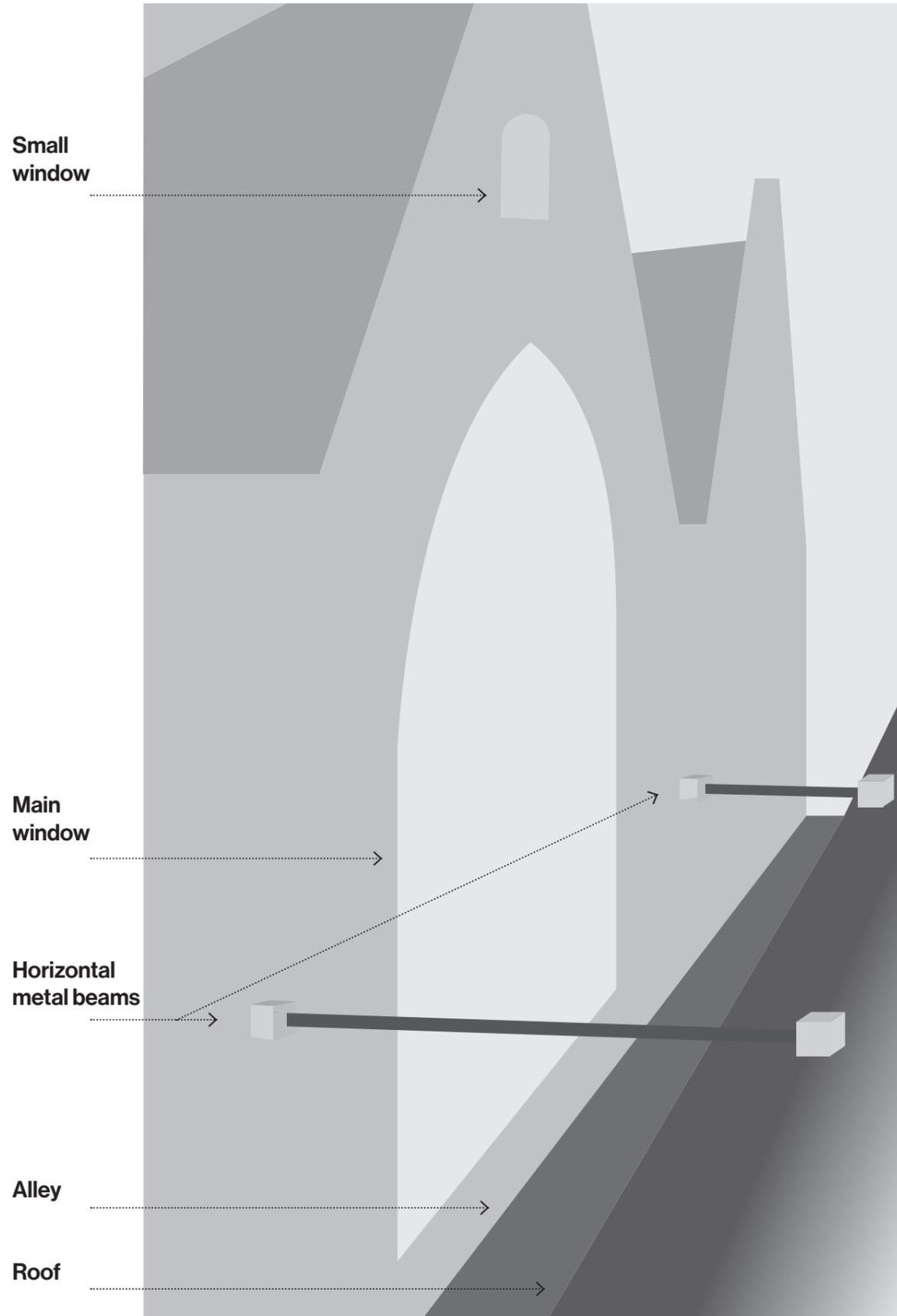
# Solution 1

Outdoor windows frames for top windows in the highest, middle part of the church



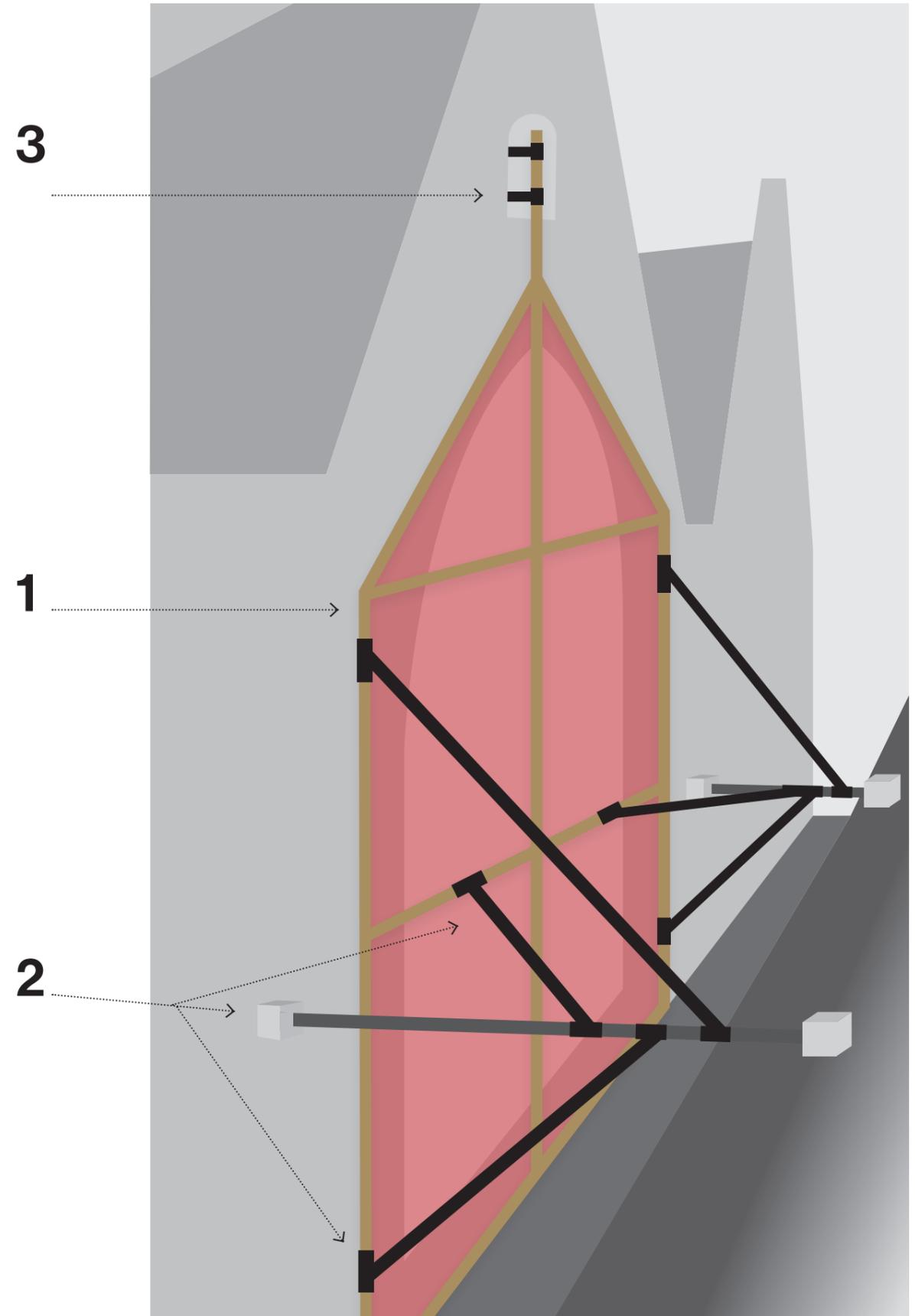
# Solution 1

Architectural sketch



# Solution 1

Mock-up of installation



# Solution 1

## Details and explanation

8

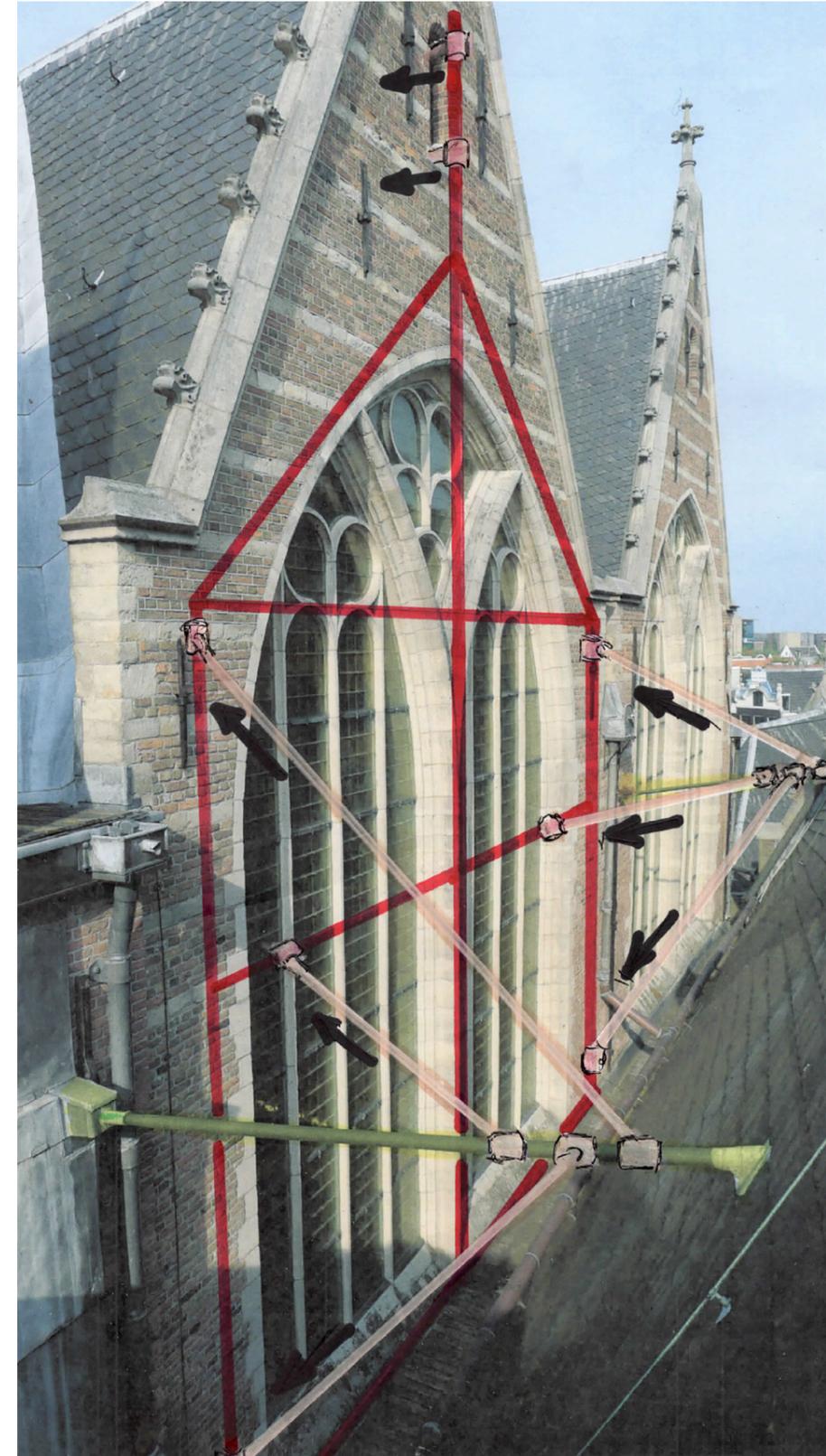
This solution will be applied to all windows outside.

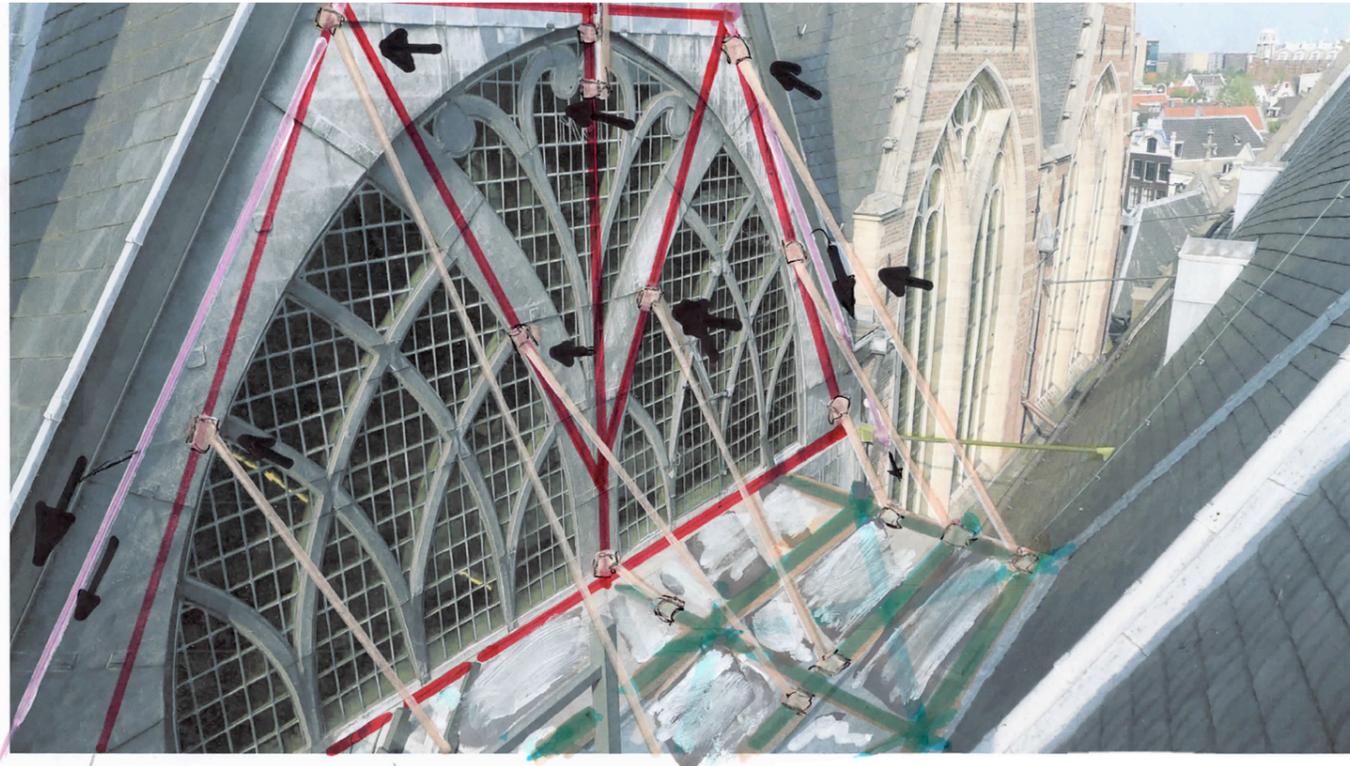
**1** Each window will have either a wooden or aluminum frame – which is holding the film – covering the window. These frames will be lifted on top of the roof with the help of a crane.

**2** The frames will be held in place by riser pipes. The riser pipes will run from the horizontal metal beams that are part of the current roof structure and will push and hold the frame in place.

**3** Each frame will be secured and mounted at the top each frame by the use of riser pipes that will run from the beam into a small window that is on top of each big window.

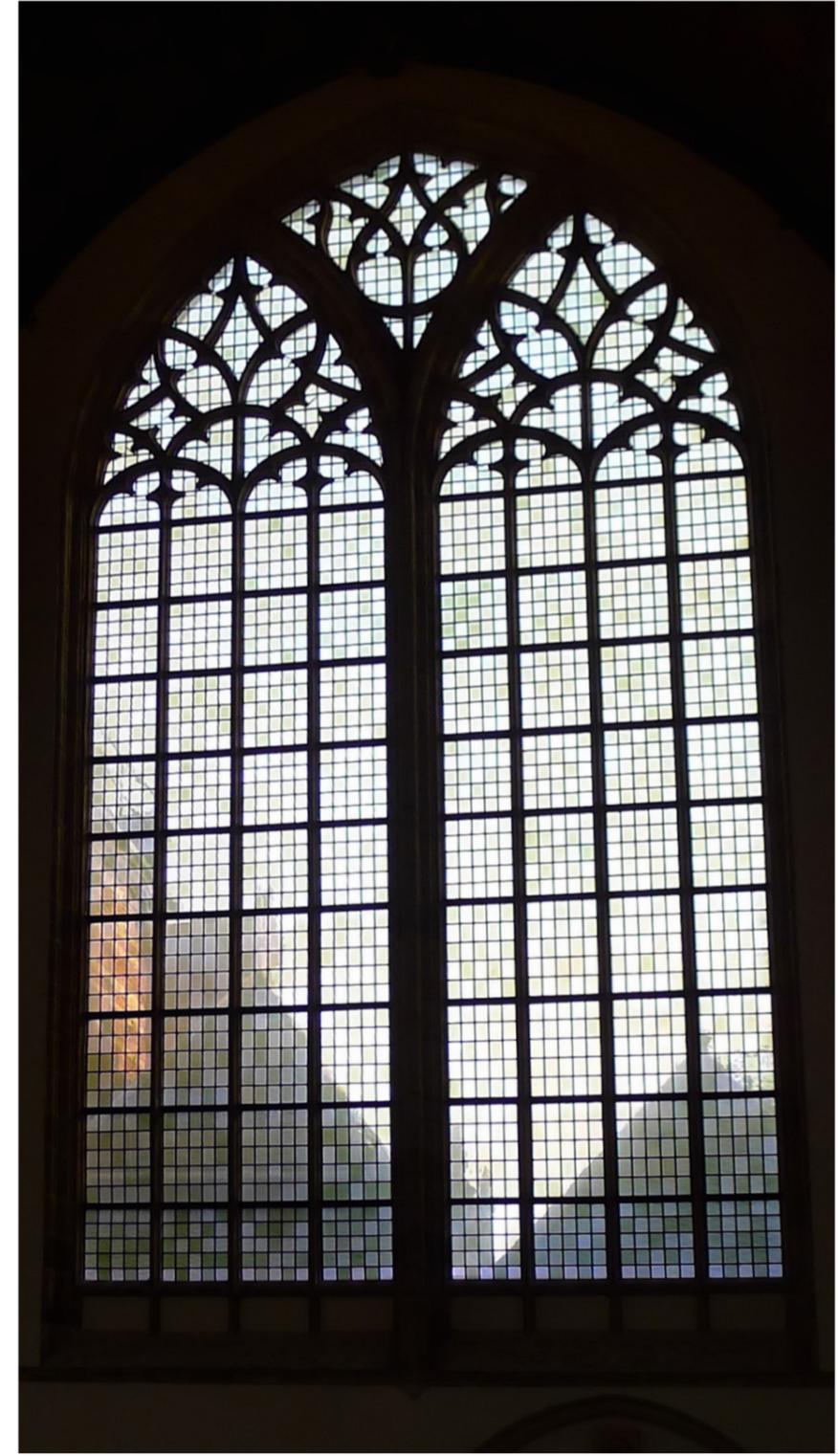
9





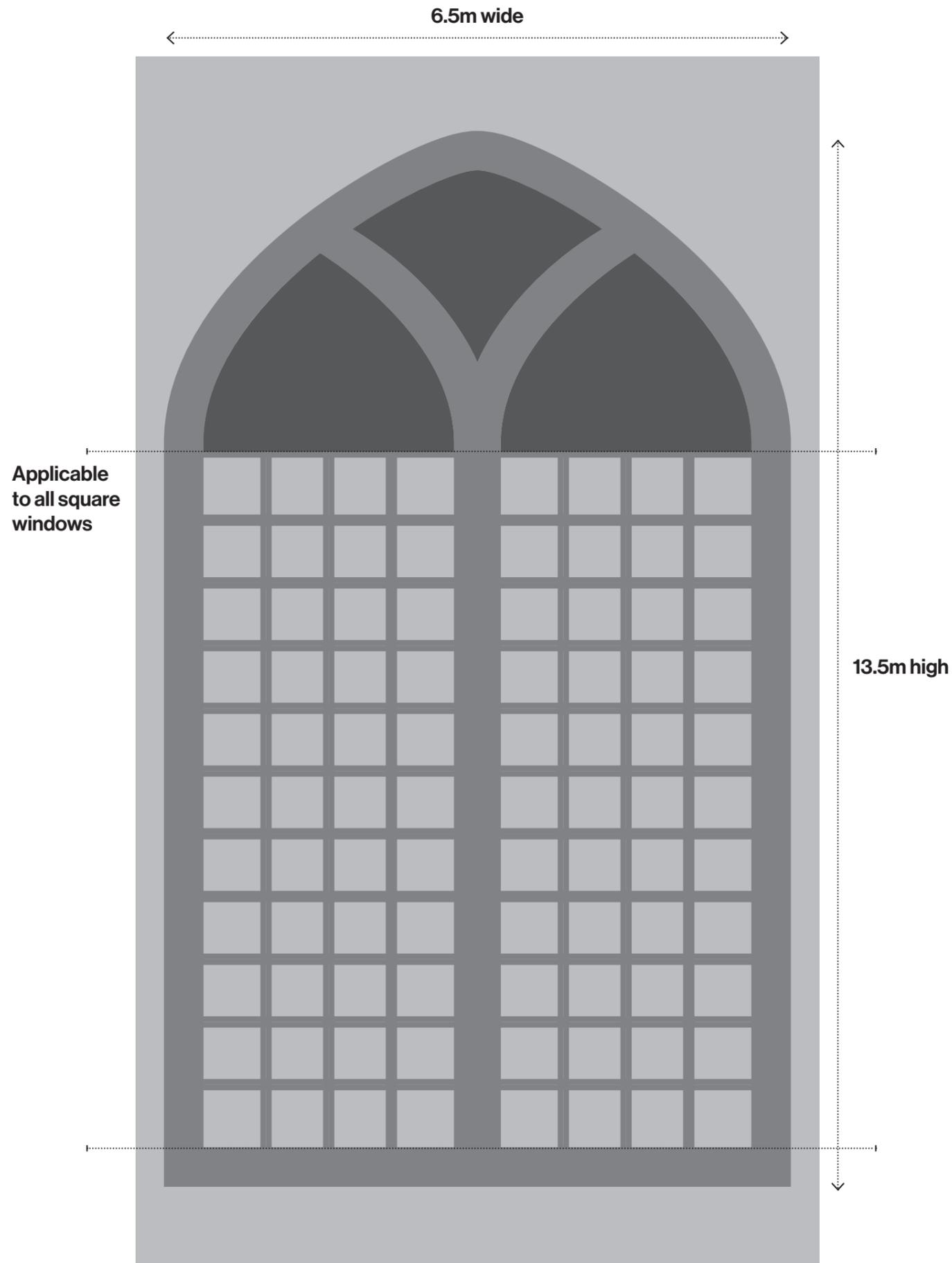
# Solution 2

Vertical clip-on strips for rectangular parts of the lower windows



# Solution 2

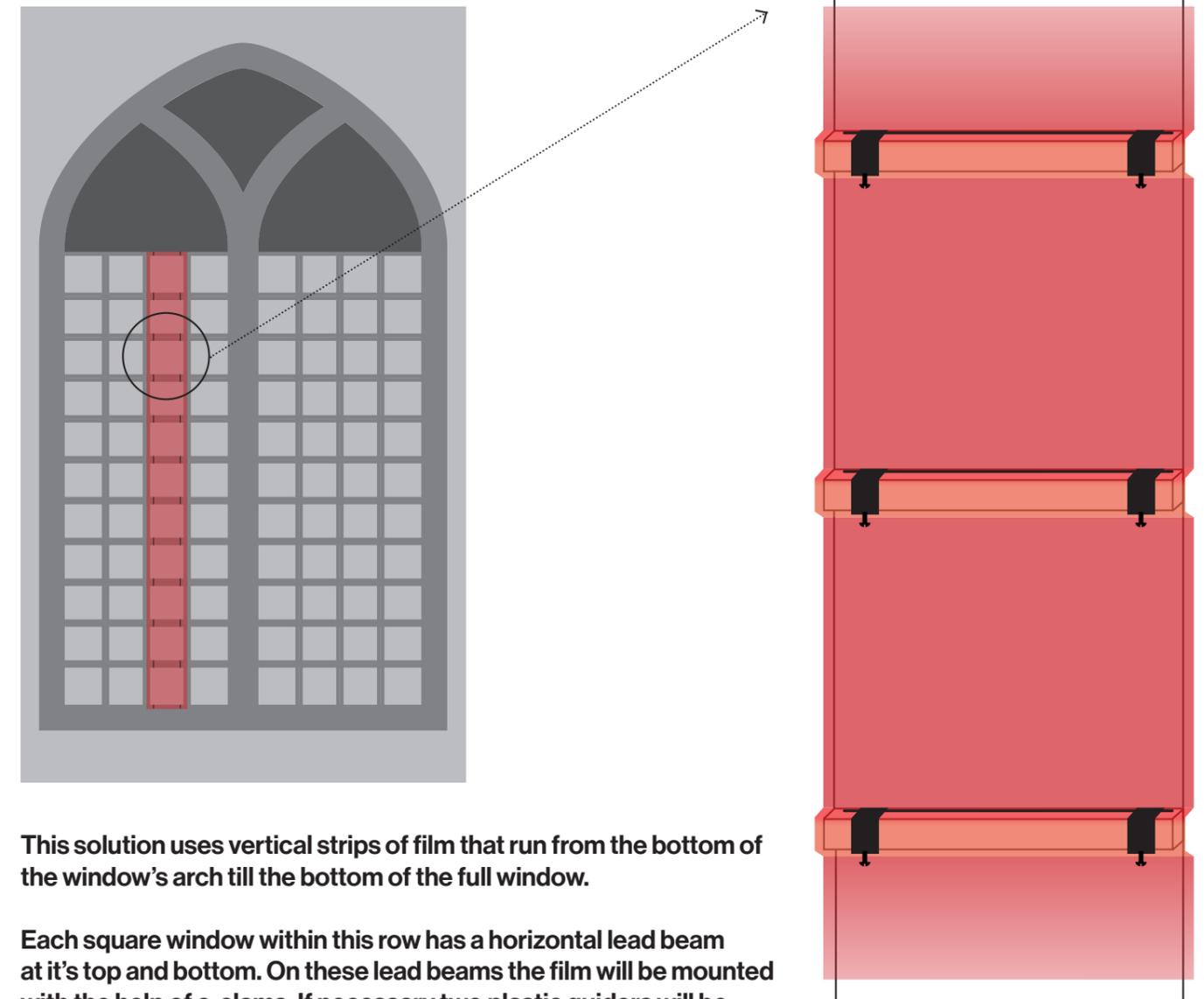
Architectural sketch



# Solution 2

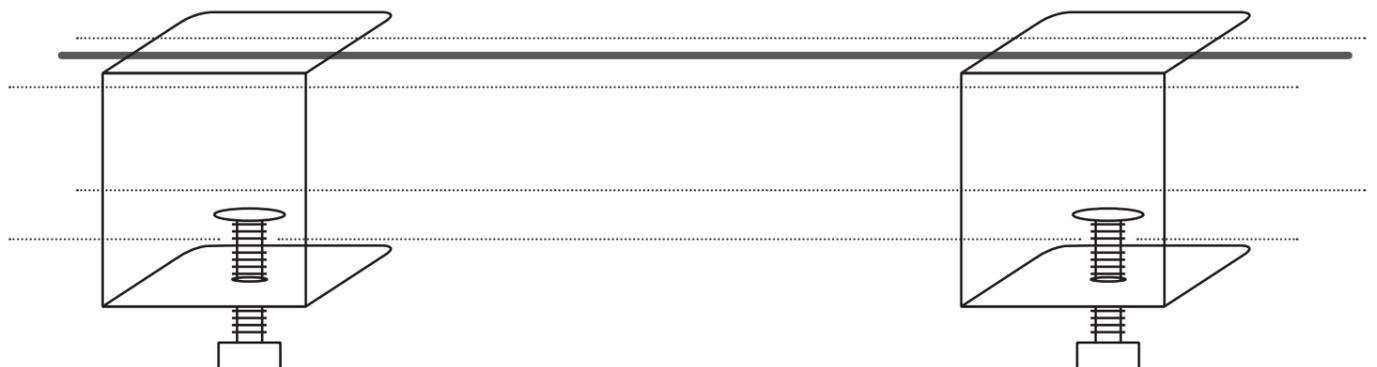
## Option 1

### Vertical strip of film running down



This solution uses vertical strips of film that run from the bottom of the window's arch till the bottom of the full window.

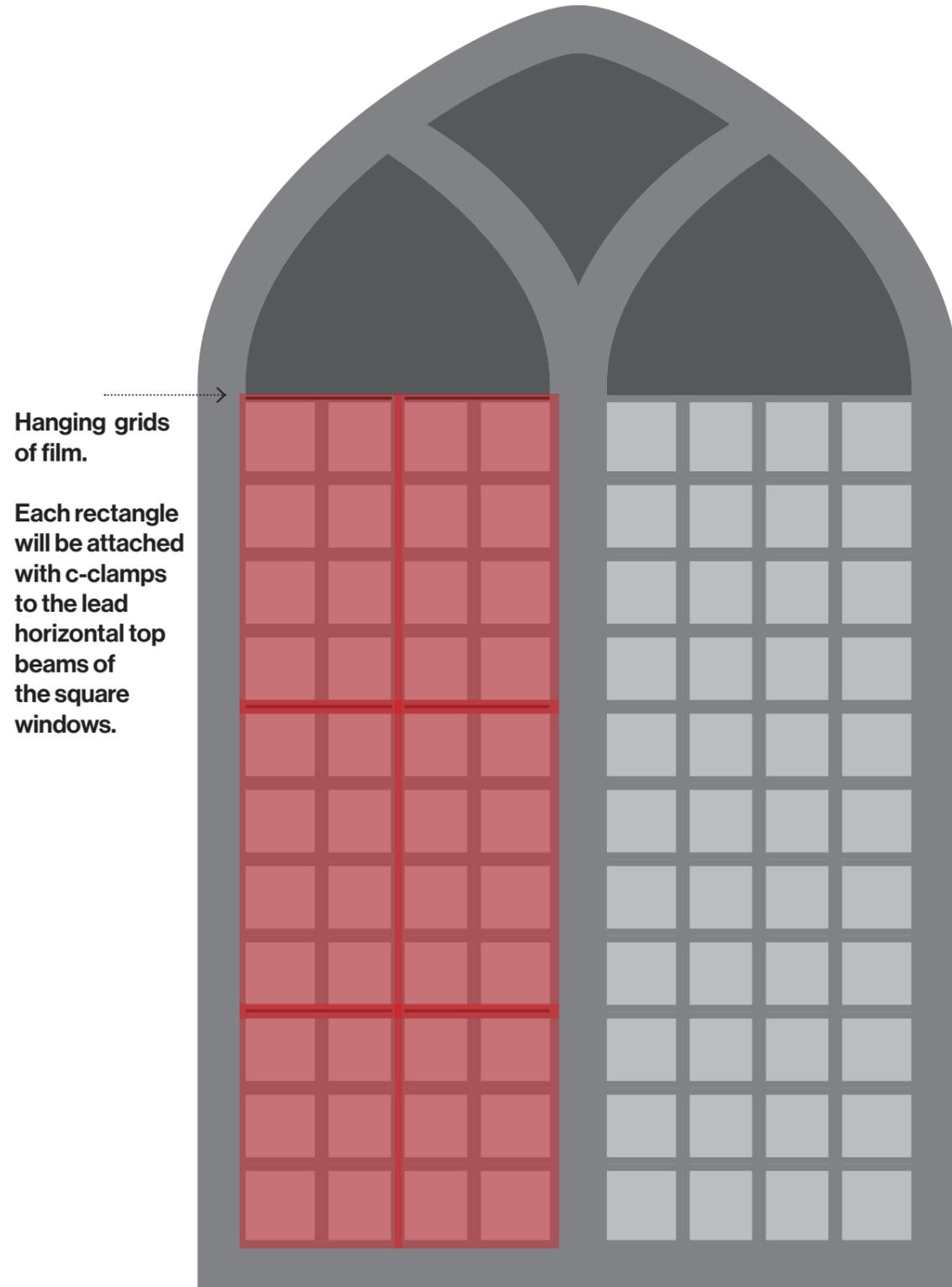
Each square window within this row has a horizontal lead beam at its top and bottom. On these lead beams the film will be mounted with the help of c-clamps. If necessary two plastic guiders will be added to keep the film in place.



# Solution 2

## Option 2

### Hanging grid of film as big as one window



Hanging grids of film.

Each rectangle will be attached with c-clamps to the lead horizontal top beams of the square windows.

13.5m high

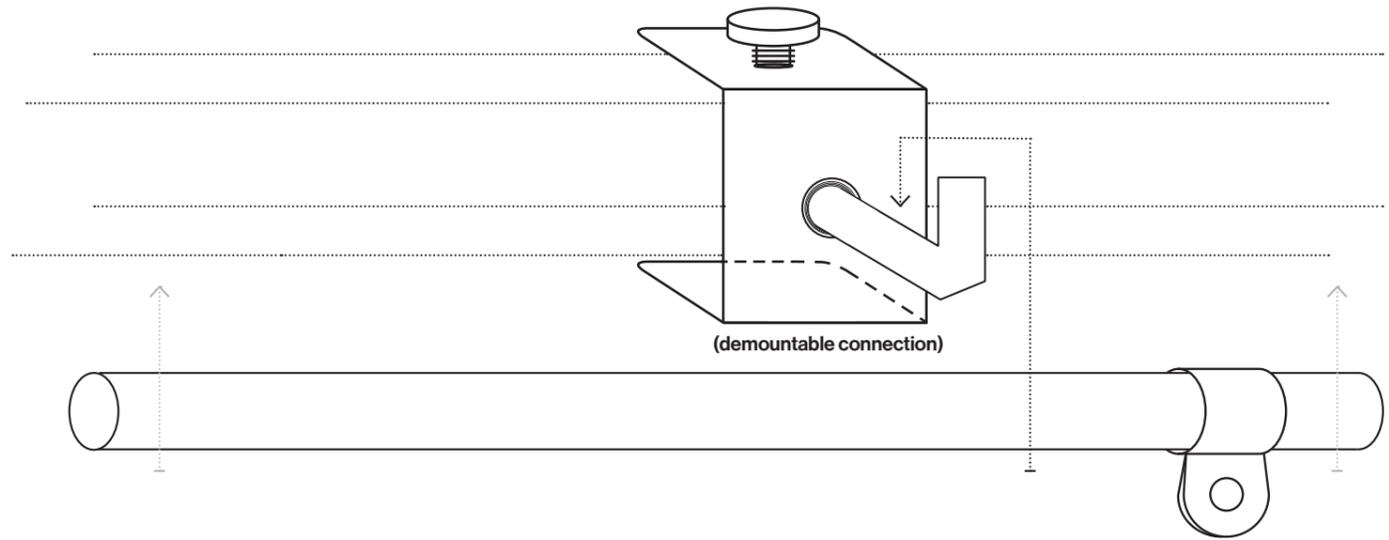
6.5m wide

# Solution 2

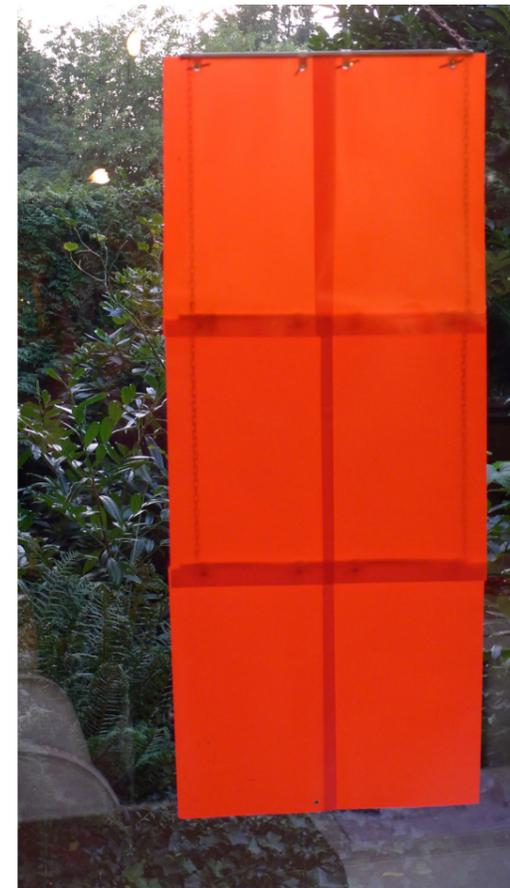
## Option 2

### Hanging grid of film as big as one window

C-clamps will be attached to the lead, horizontal beams of individual square windows. The front on the c-clamps have a screw thread to which aluminum pipes holding the film will be mounted to. The plastic clamps slid over the pipe will hold the film.



Pictures of try-outs, showing how the connection system at the back-side works.

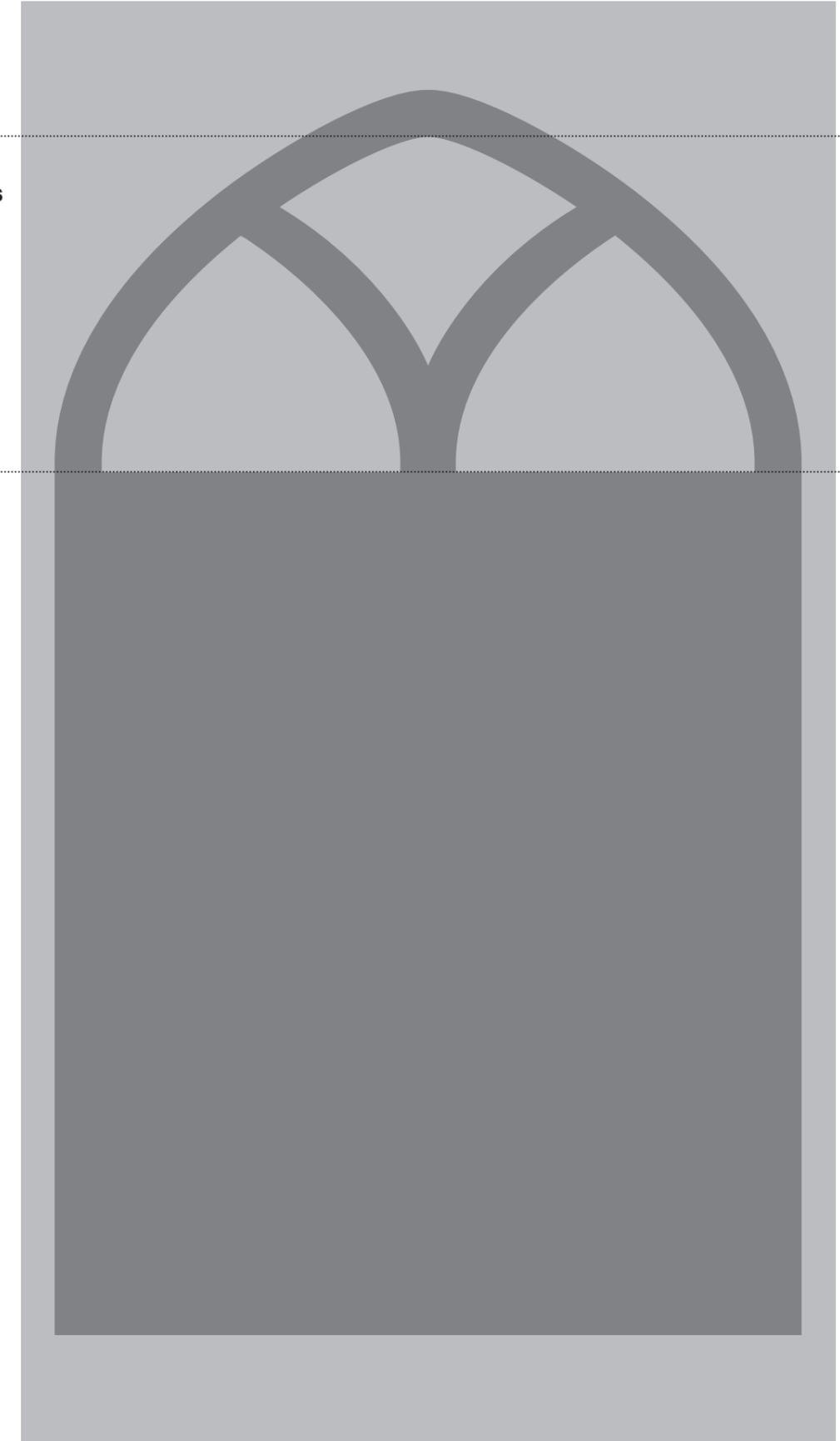




# Solution 3

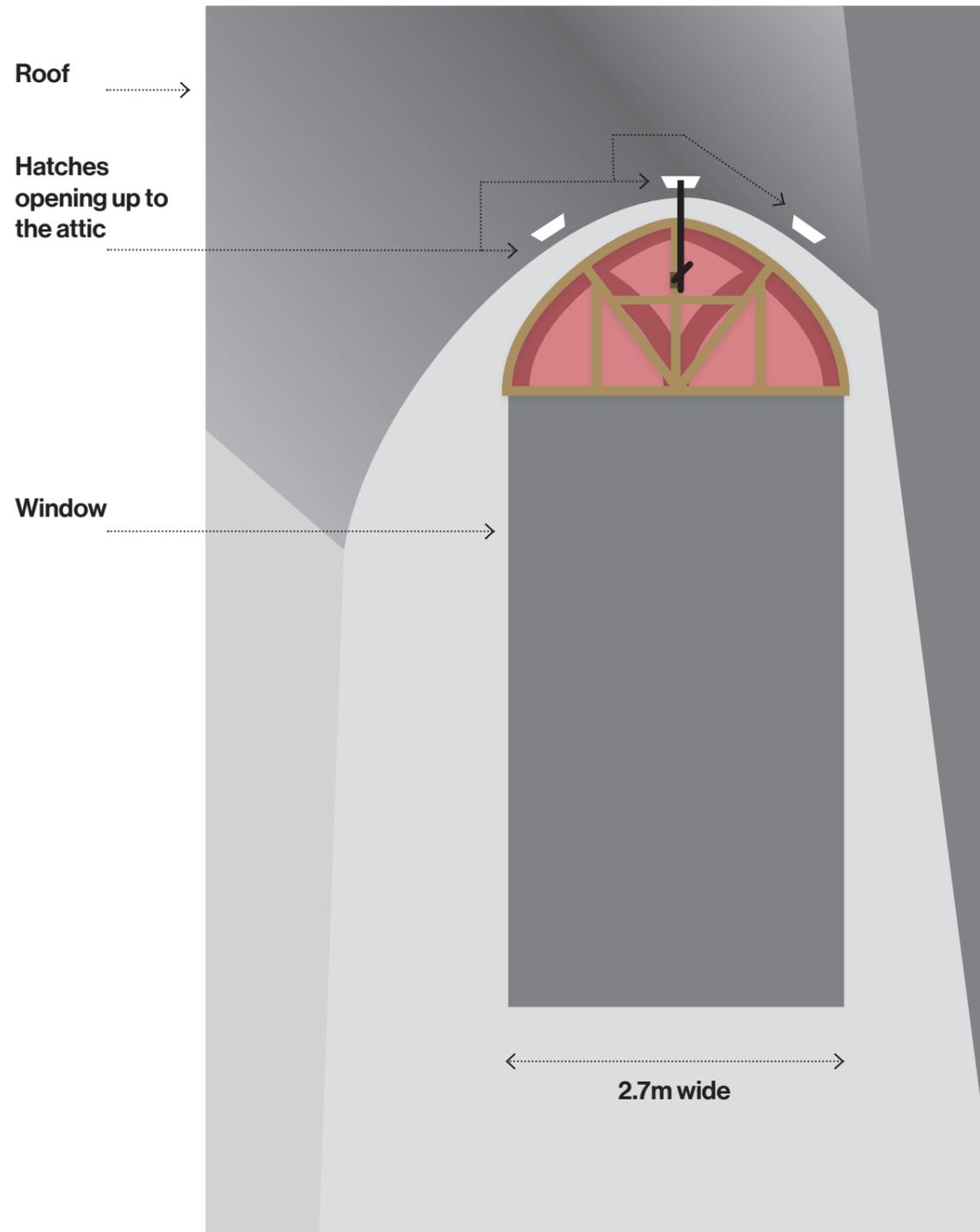
## Hanging lancet arches

Applicable to all arches that use option 2.



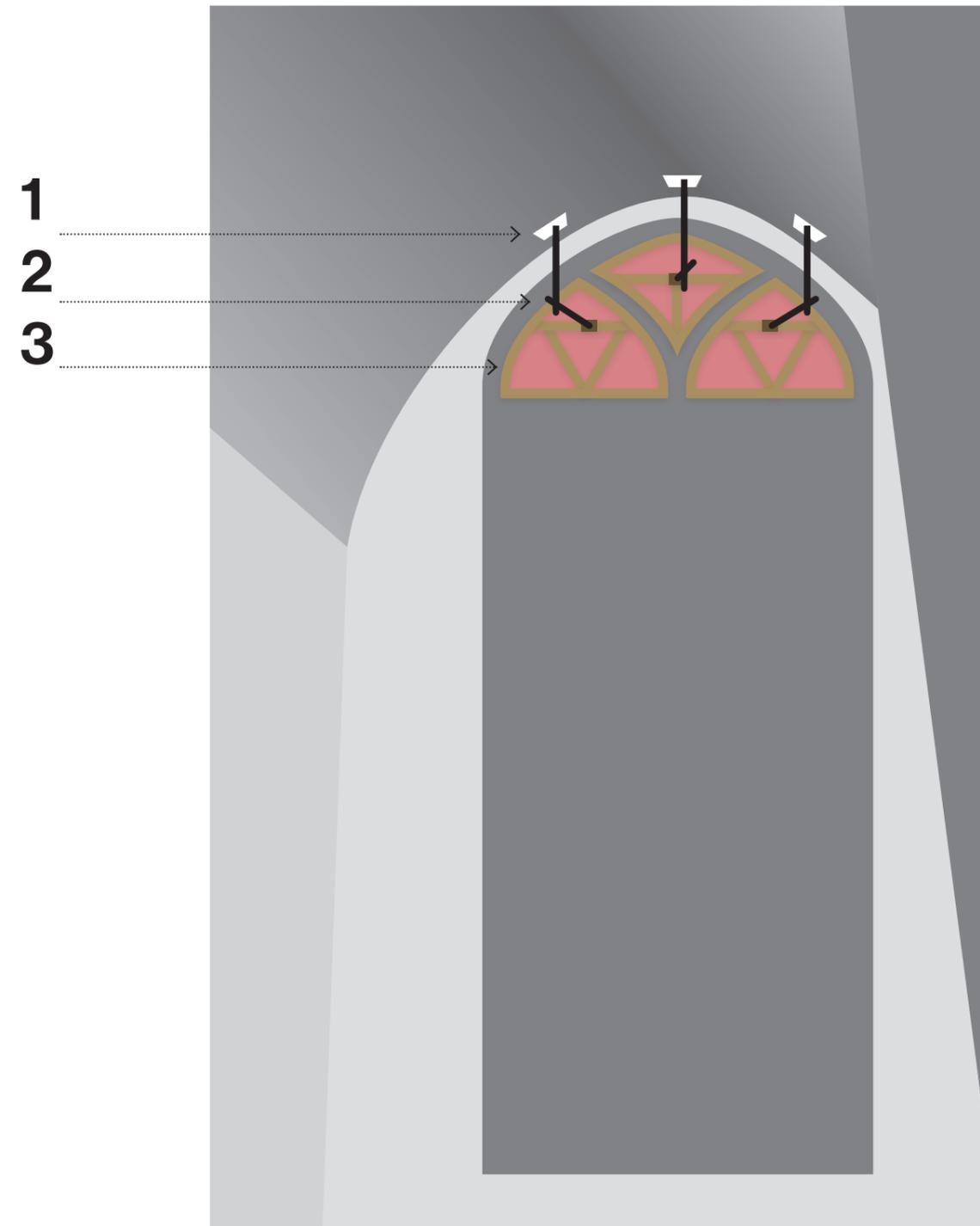
# Solution 3

## Hanging lancet arch small (single piece)



# Solution 3

## Hanging lancet arch big (separate pieces)

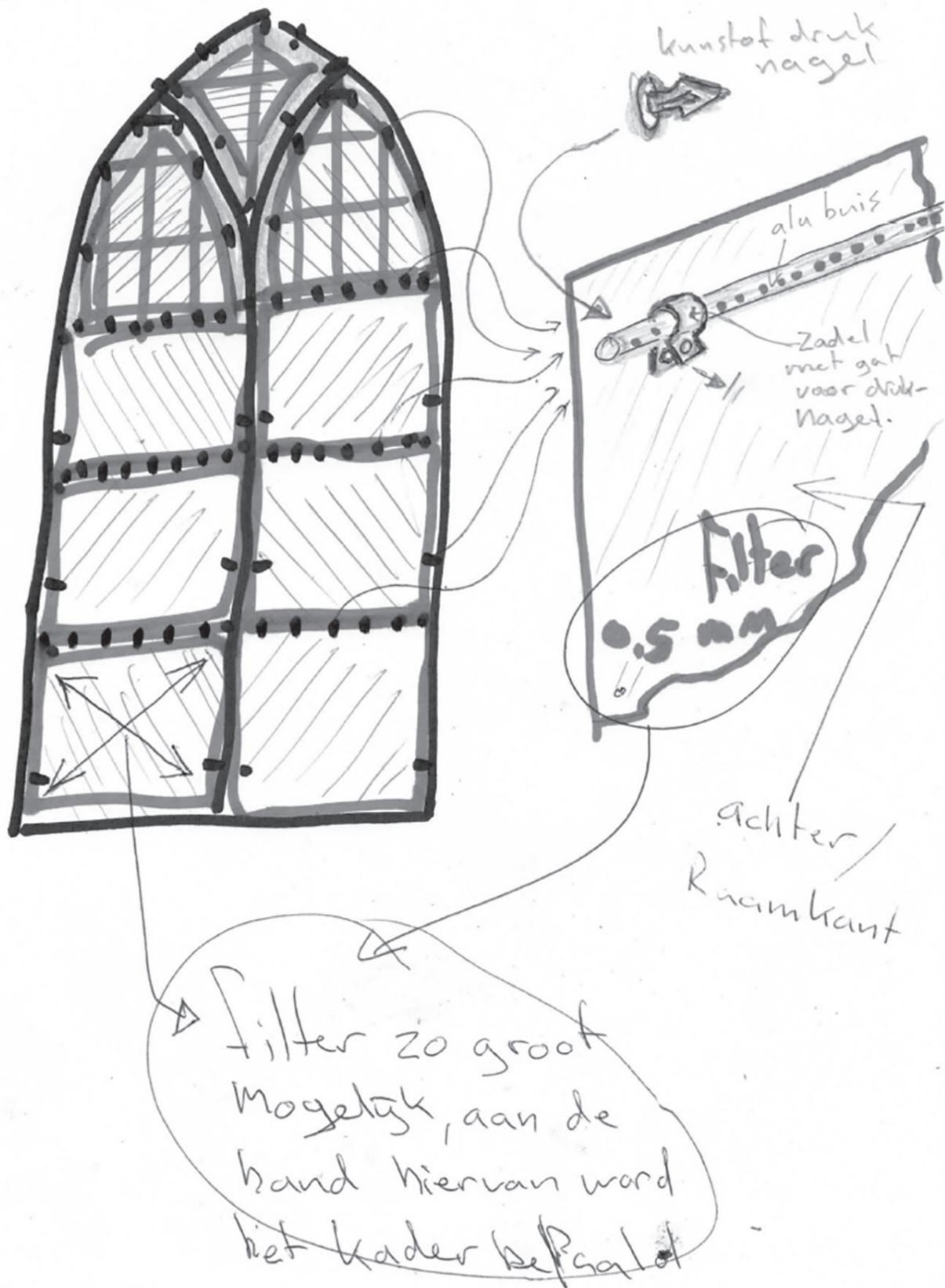


### Description counts for both options

1&2 See page 25

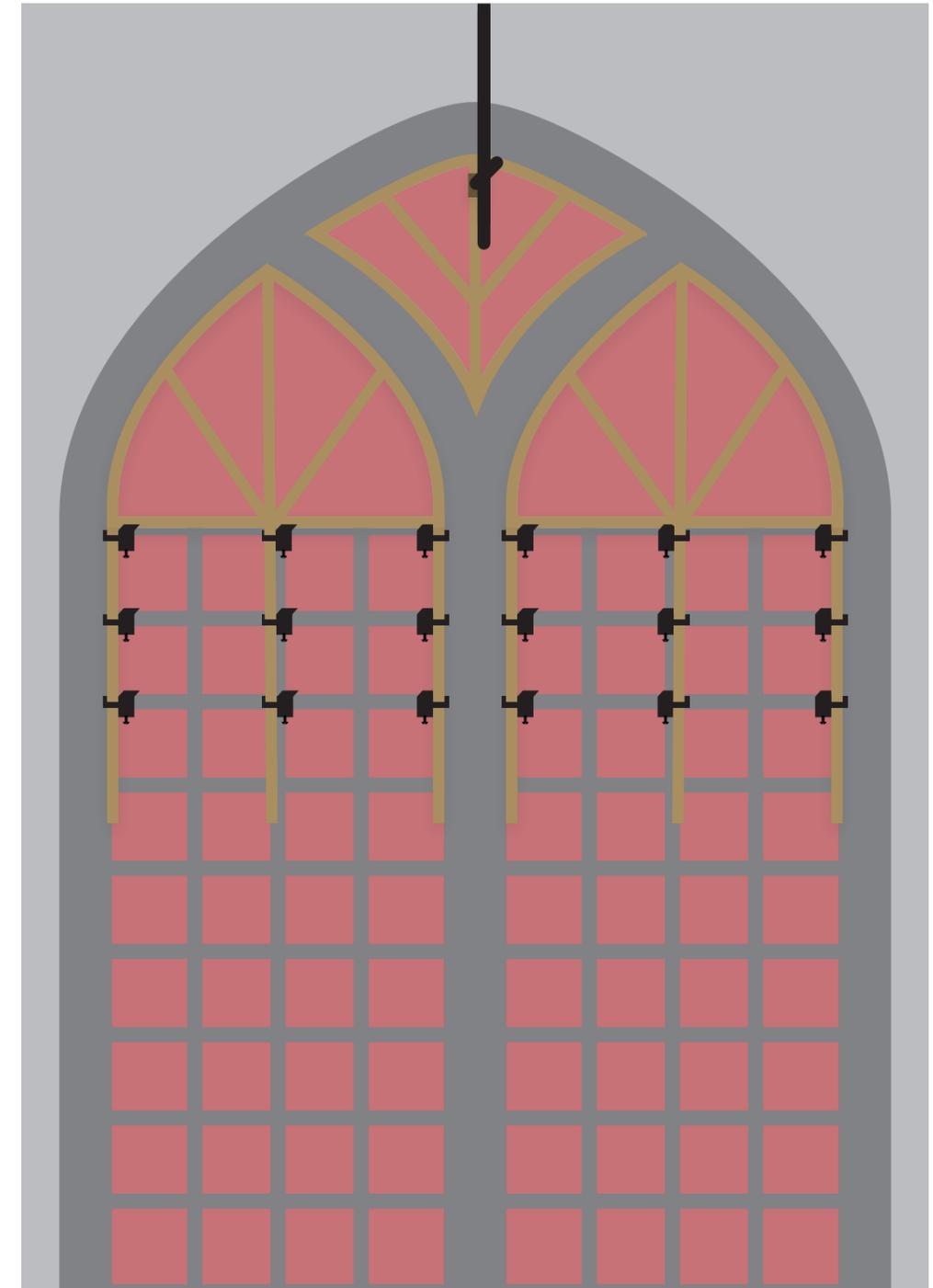
3 Frames will be made out of fiberglass or another plastic and will have +/- 5cm overlay.

In both cases the frames will have an overlap of a few centimeter illuminating all light that could come through. The frames will be held in place by the pressure performed by the position of the arms coming from the attic. All frames will be secured with several metal strings running from the frame to the attic.



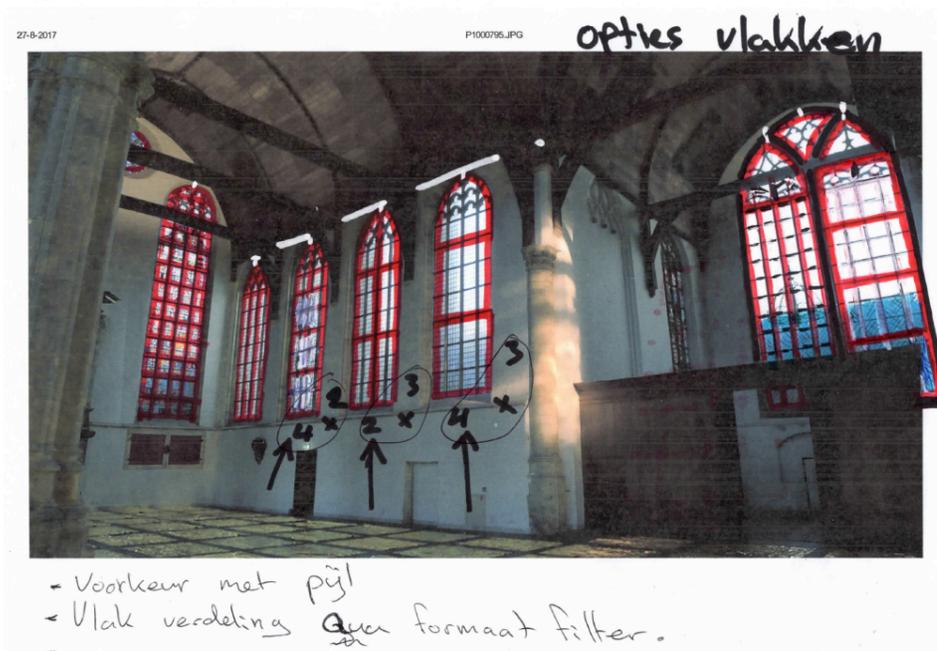
# Solution 4

Continuing, build-in lancet arches (big)



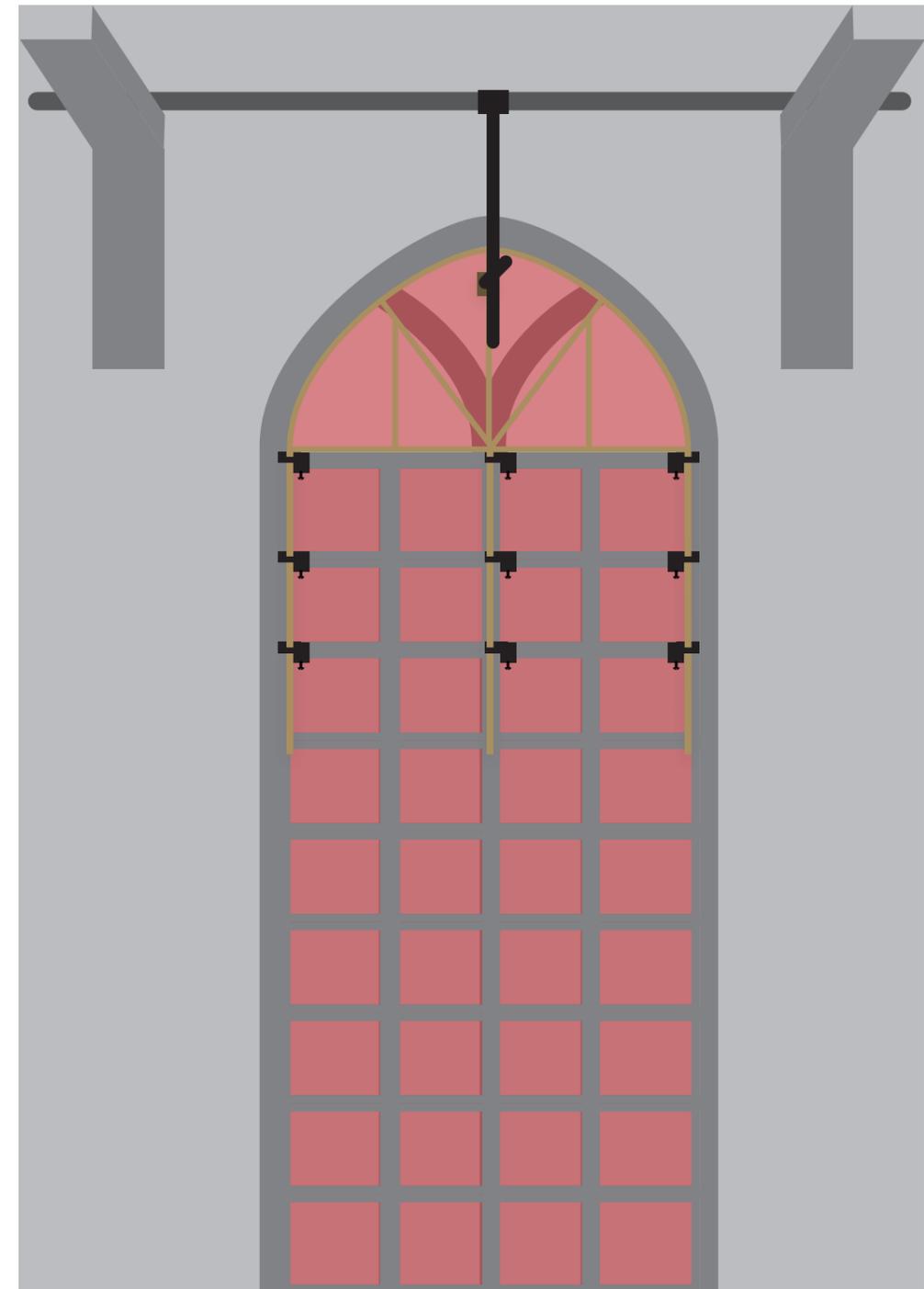
C-clamps  
similar to  
c-clamp on  
p.15

Fiberglass frames running through holders that are held up by c-clamps. The c-clamps are mounted to the horizontal lead bars similar to solution 2. The frames itself are ideally pushed into place and clamped into the profile of the arch.



## Solution 4

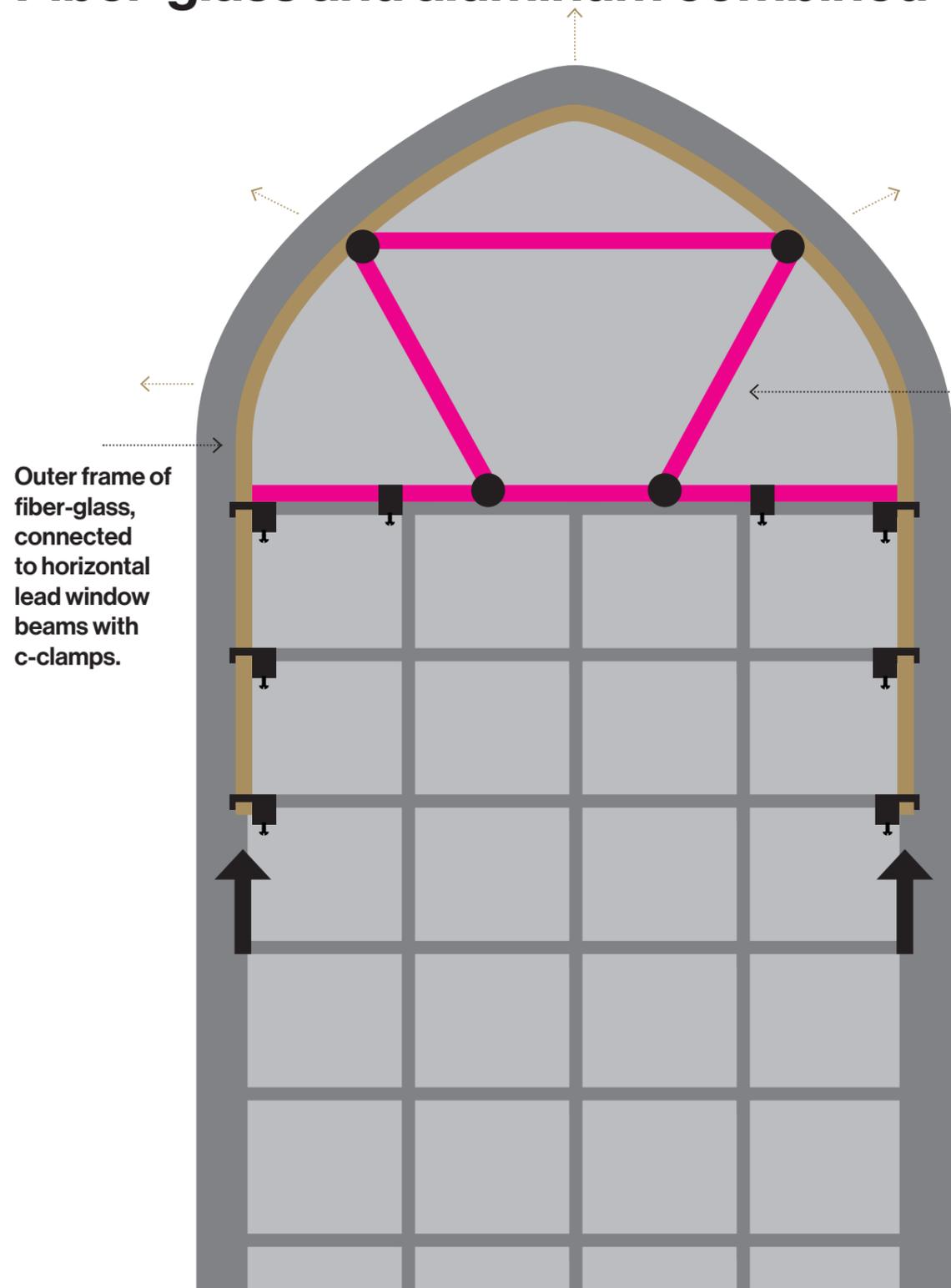
Continuing, build-in arche (small)  
With support of additional pipe



Idem to previous build-in arch in terms of build. This solution is meant for the windows on the image on the left page. On top of these windows there no hatch to the attic. Instead the extra support from top will come from an added lead pipe that will lay on top of the roof beams.

# Solution frame 3&4

Assembly inner individual arches  
Fiber-glass and aluminum combined

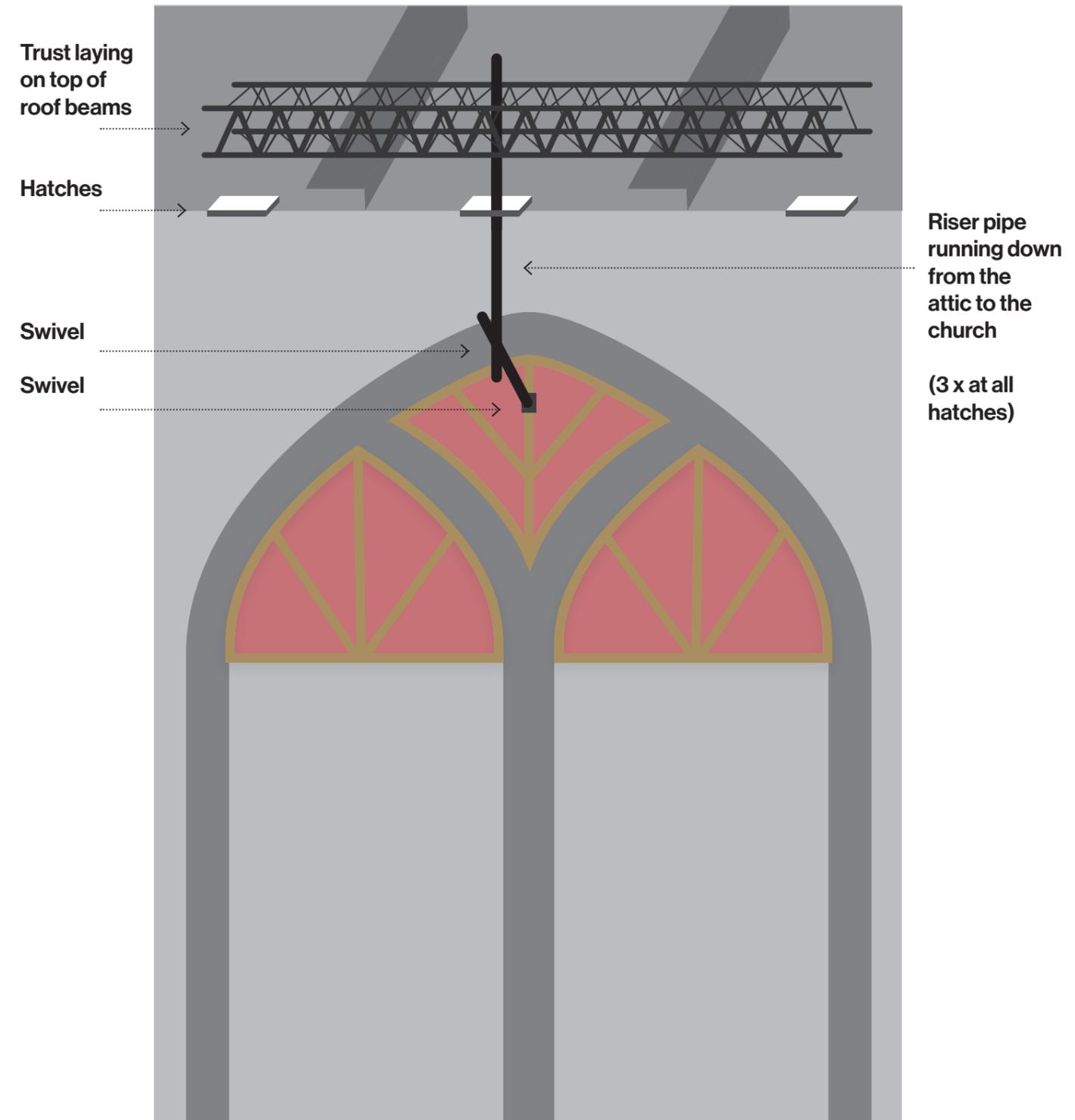


Aluminum pipes connected to swivels forcing the fiber-glass frame in place.

The aluminum pipe is held in place with c-clamps.

# Solution attic 3&4

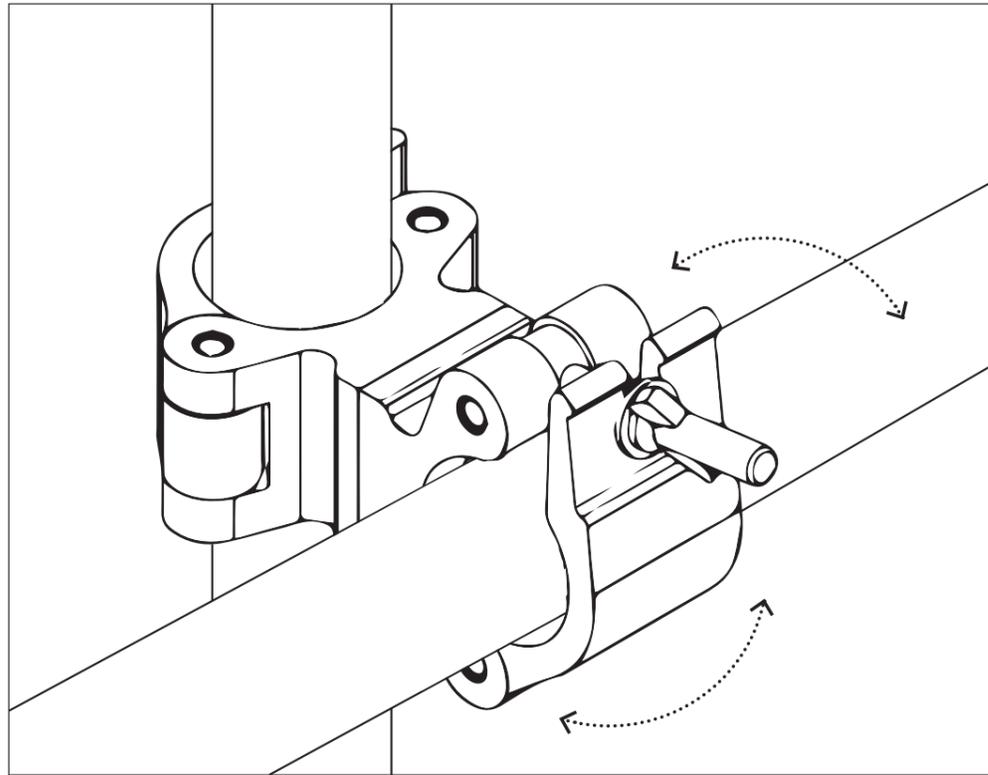
Assembly of the riser pips from the roof to the frames



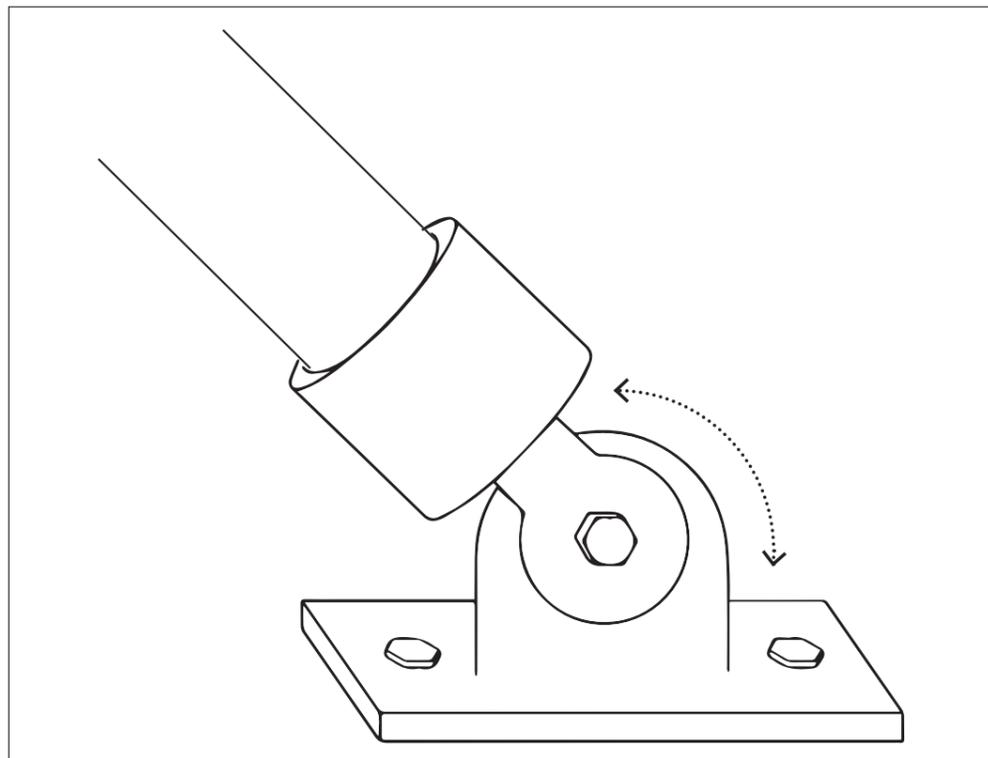
Riser pipe running down from the attic to the church  
(3 x at all hatches)

Instead of showing all three riser pipes coming down from the attic this sketch shows one. This for the sake of clarity. In reality to solution will be applied to all three riser pipes coming down.

## Middle swivel



## Bottom swivel connecting to frame





Since 2017 Finbar van Wijk en Sjoerd Tim joint forces. They share a background in cabinetmaking and the visual arts, together they have more than 15 years of experience in the world of scenography and visual arts. They have specialised in art handling as well as large scale artworks and installations.

Clients are museums, galleries, individual artists, collections and curators.  
To name a few:

de Appel  
Frans Hals Museum  
Xander Kartsens  
Mondriaan Fonds – Prix de Rome  
Oude Kerk  
Micheal Dean  
Kranenburgh Museum  
de Hallen Haarlem  
Ann de Meester  
AkzoNobel Art Foundation  
Christian Friedrich  
Falke Pisano  
La Biennale di Venezia 2017 – Frame Contemporary Art Finland  
Gabriel Lester  
Saskia Noor van Imhoff  
...

**Oude Kerk  
August 2017**