

Q æ ^ 1: profile cross section

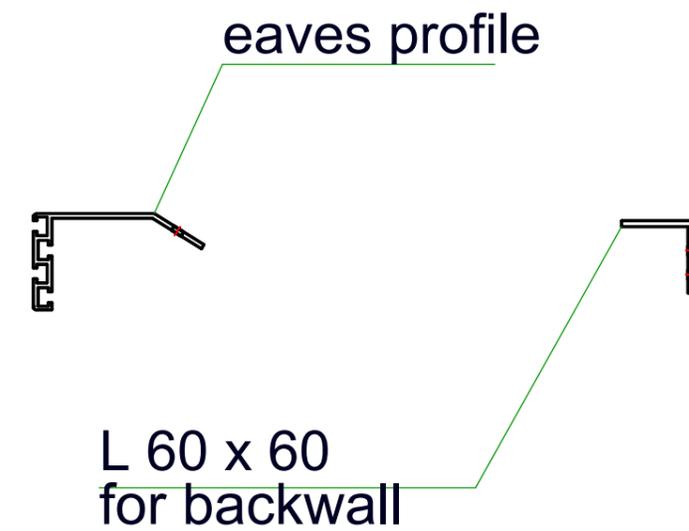
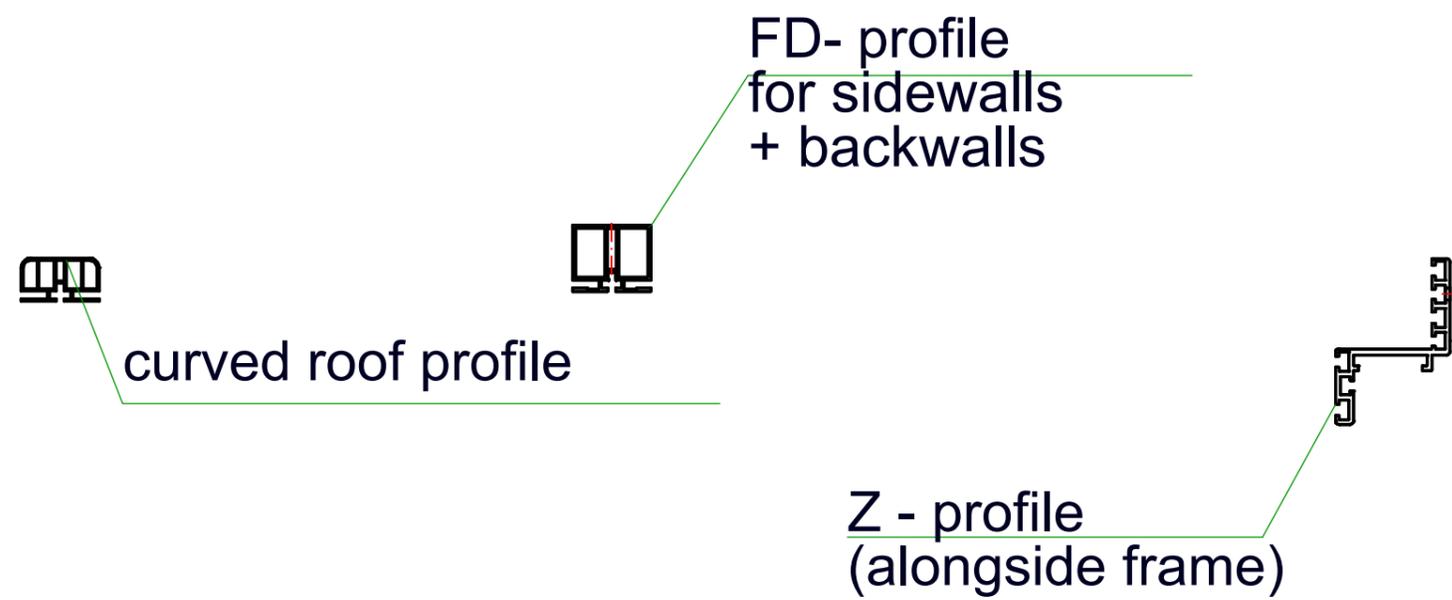


Image 2:

1.)
Insert feet from below in square tubes 60 x 60
(base plates face towards outside) and plug 6kt-screws M8 x 70 with discs
from inside through the two holes
Outside: top 4kt - screw; below: first swrew self-locking nut M8
but do not tighten

2.)
Insert slotted square tubes 60 x 60 to the Z - profile and centre it to the
base plates

3.) After alignment in position and height tighten all screws and nuts M8 firmly.

4.) With the Z-profile and the feet on the opposite side proceed in the same way.

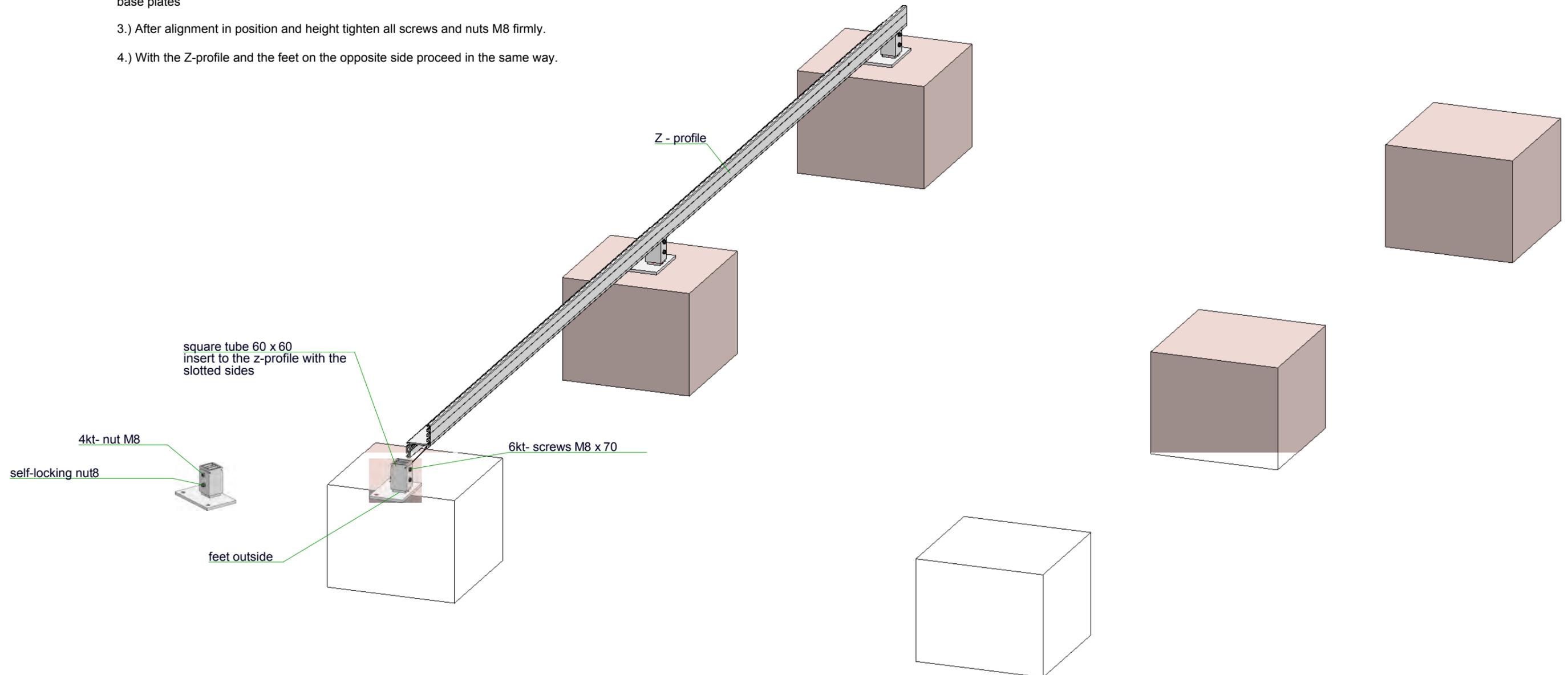


Image 3:

1.)

At a distance of 650 mm from end Z - profile to center pipe holder the drilling pattern of the pipe holder drill out at the height of the bead in the Z profile with a diameter of 9,5 mm.

2.)

Insert 6kt- screws M8x35 from the outside First, screw discs and self-locking nuts M8 only loosely.

3.)

Place the Z-profile tube in the same way on the opposite side.

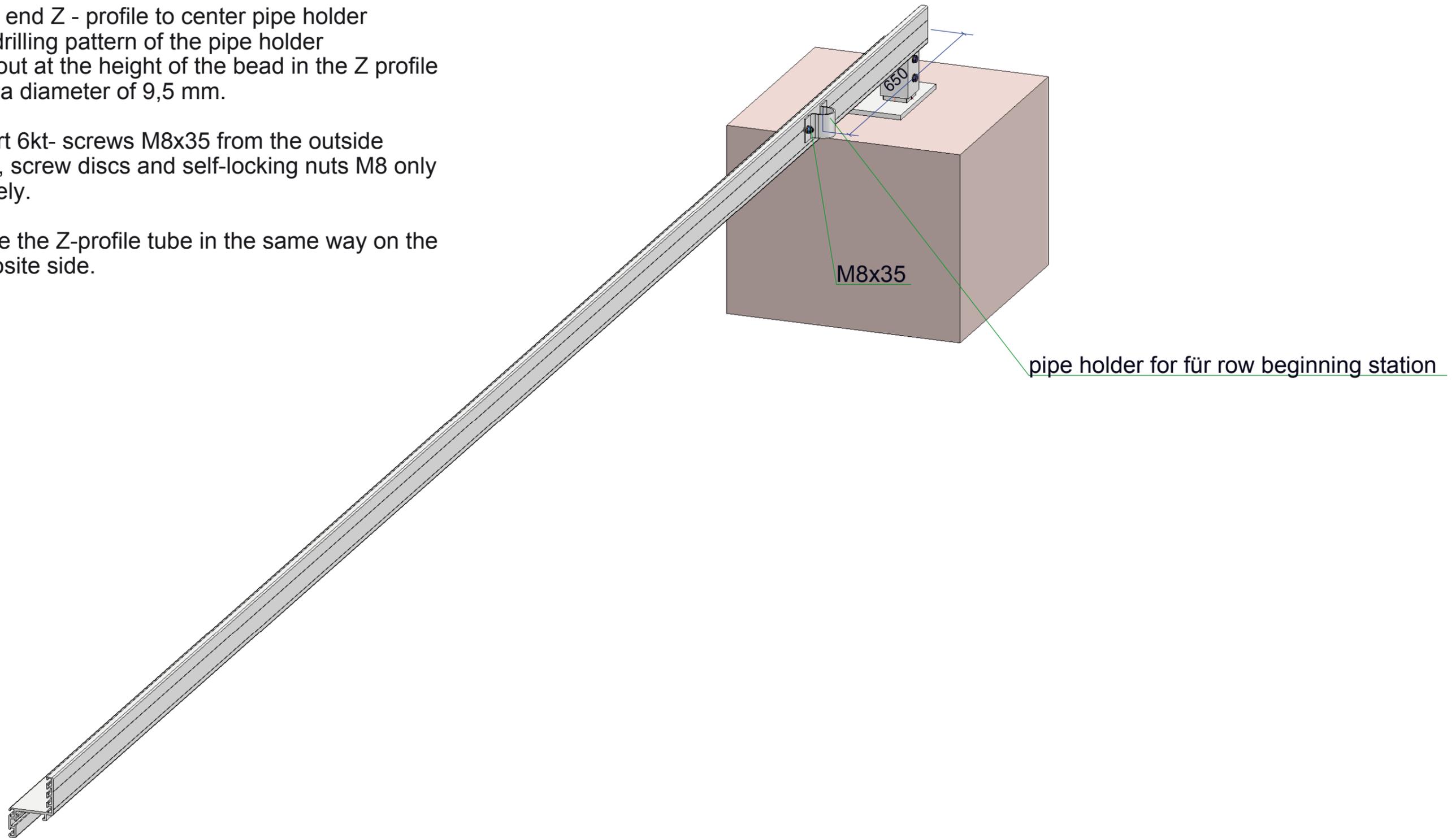


Image 4:

1.)
Insert the starting station (RAS) into the tube holders.
Bottom edge of the RAS = flush with the lower edge of the web of the Z-profile.

2.)
Tighten the self-locking nuts M8.

3.)
Adjust the lower cross bar according
to the height of the shopping trolleys and
screw the pipe clamping lugs with 6kt screws
M8x25, discs and self-locking nuts on the
Z-profile.

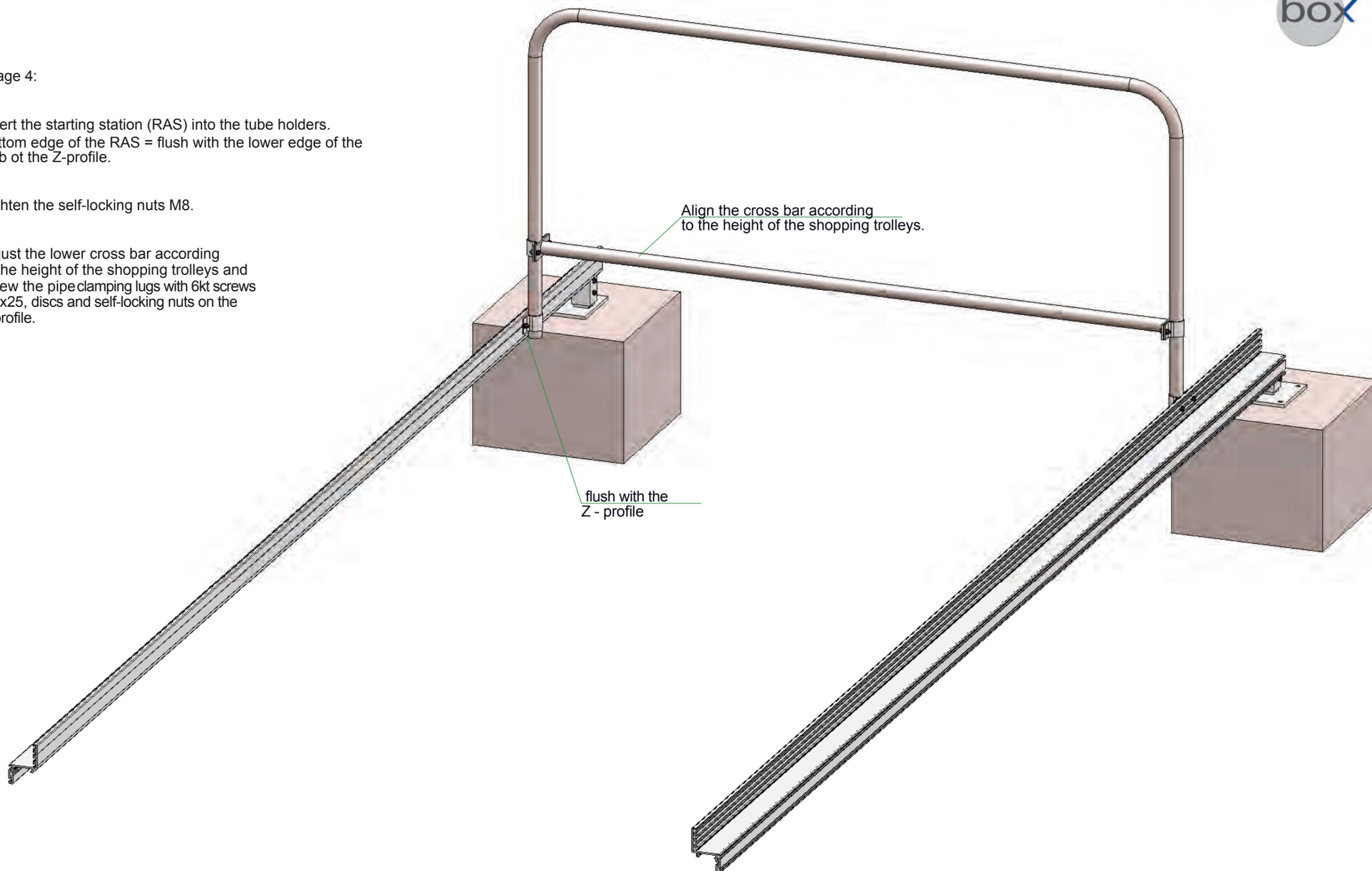


Image 5:
FD - profile for sidewalls

L = 2016 mm

Insert the M8x70 hammer head bolts
discs + self-locking nuts M8
on the outside only loosely



Image 6:
Crossbars

Insert T-head bolts M8x25
from outside, screw discs and
selflocking nuts M8 loosely
from inside

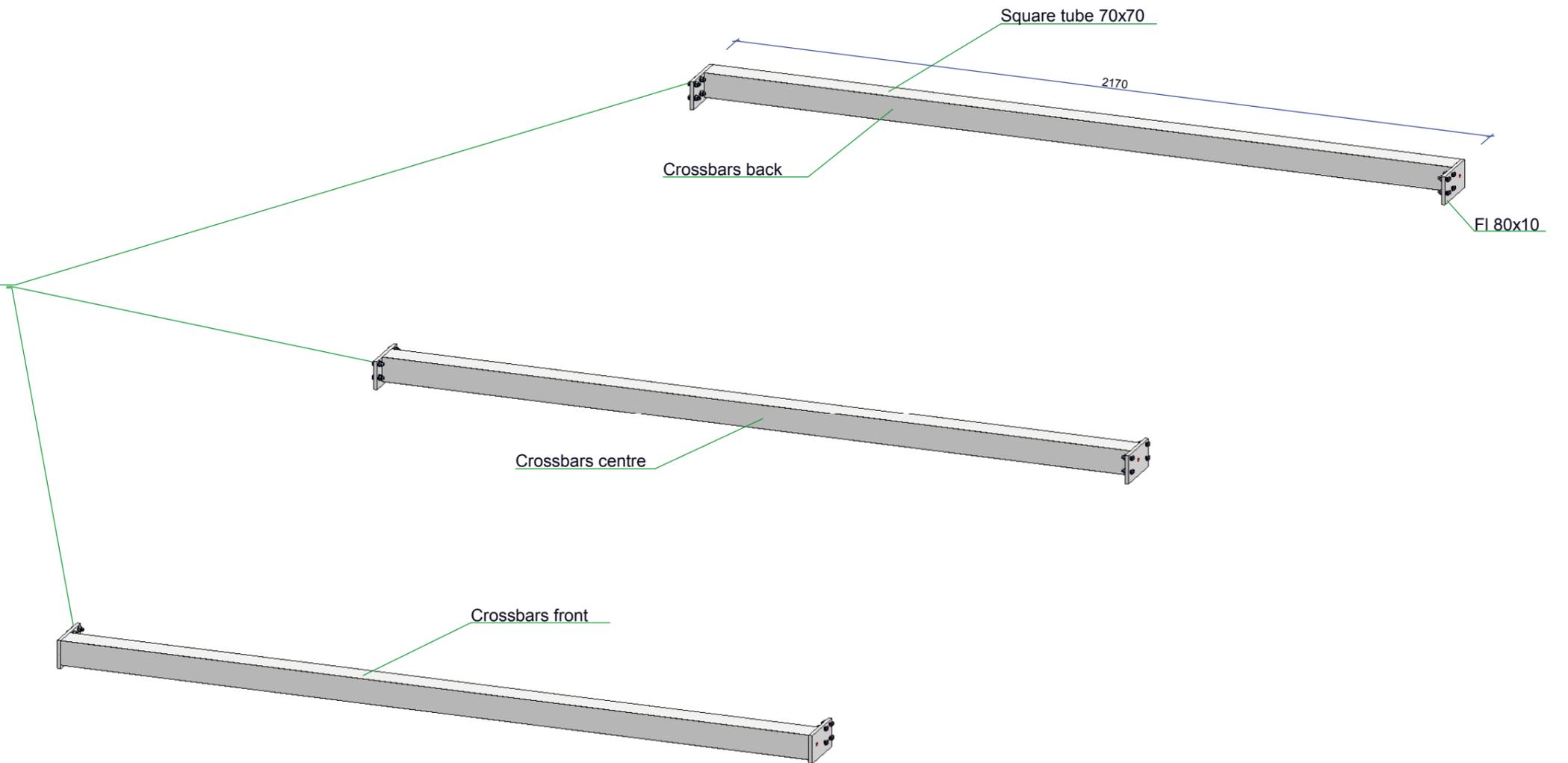


Image 7:
FD - profiled for sidewalls
back left and back right
align with hammer-head bolts in the grooves
of the Z-profiles and adjust vertically.
After this handtighten the nuts M8;
lateral grooves must not be compressed!

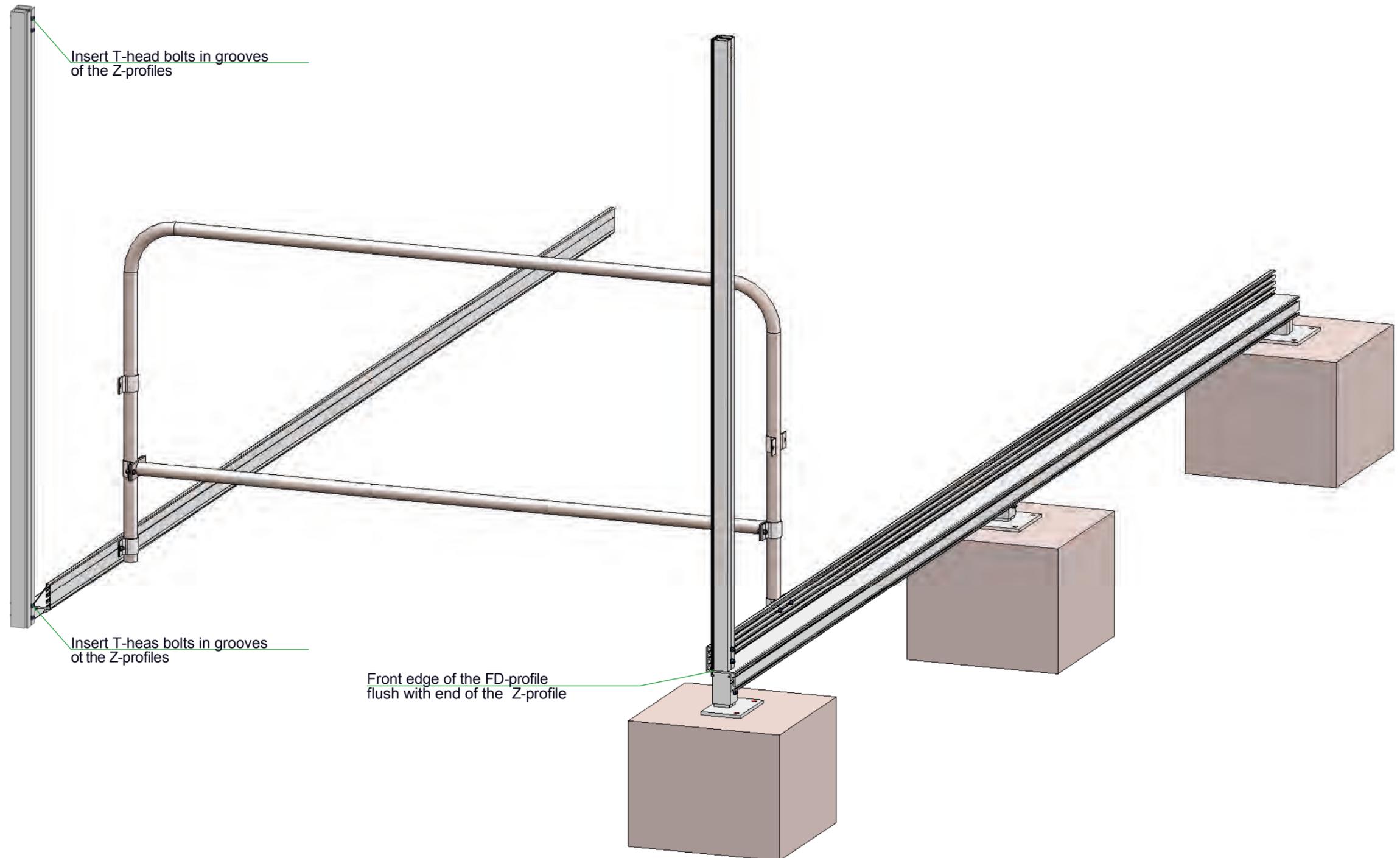
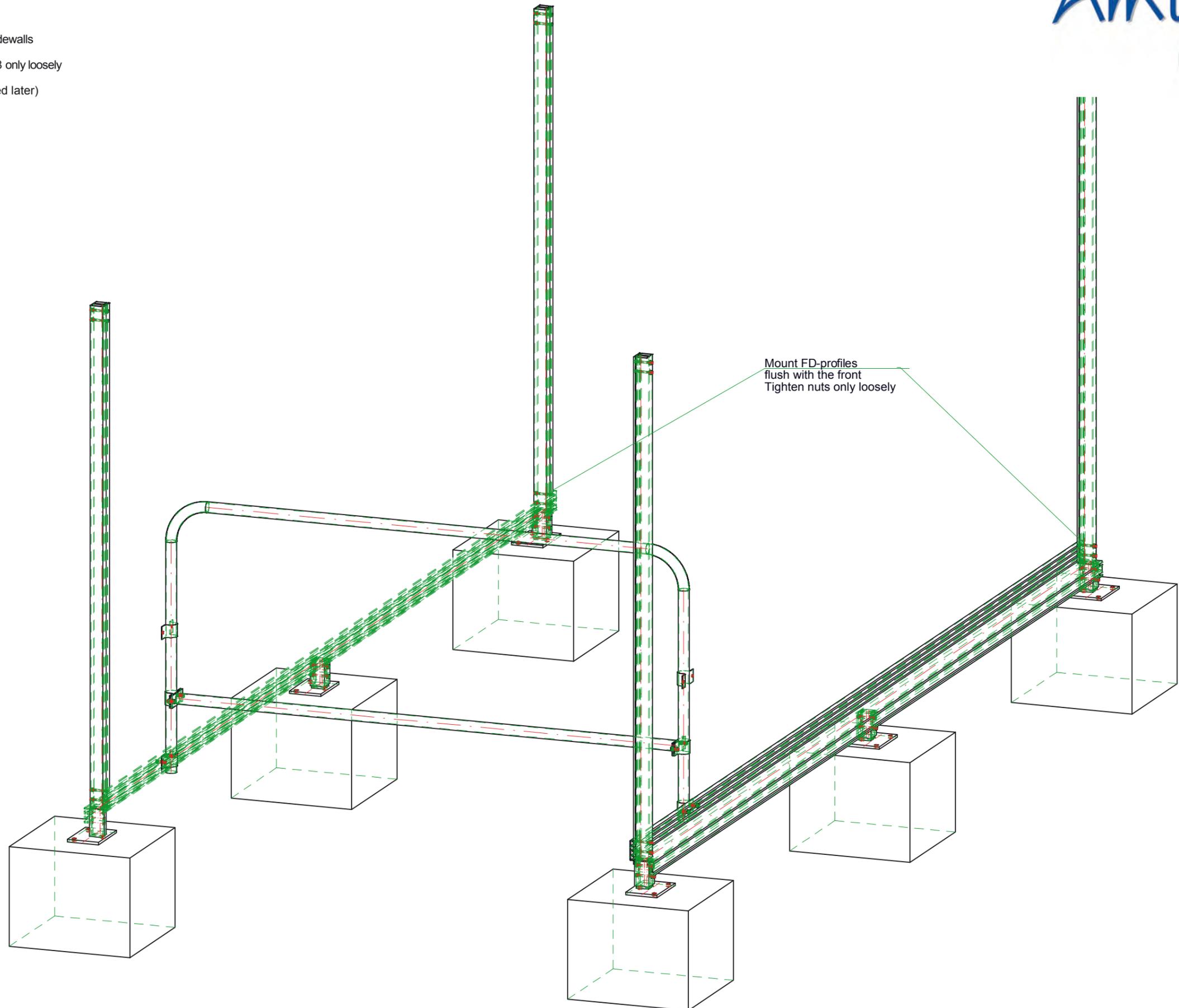


Image 8:

Put FD-profiles for sidewalls
on the front edge
First, tighten nuts M8 only loosely
(front FD-profiles
have to be dismantled later)



Figur 9:
Put eave profile on FD-profiles of the sidewalls
Screw the hammer head screws into the eaves profile.
Attention: initially tighten the nuts only loosely to the
both front profiles!

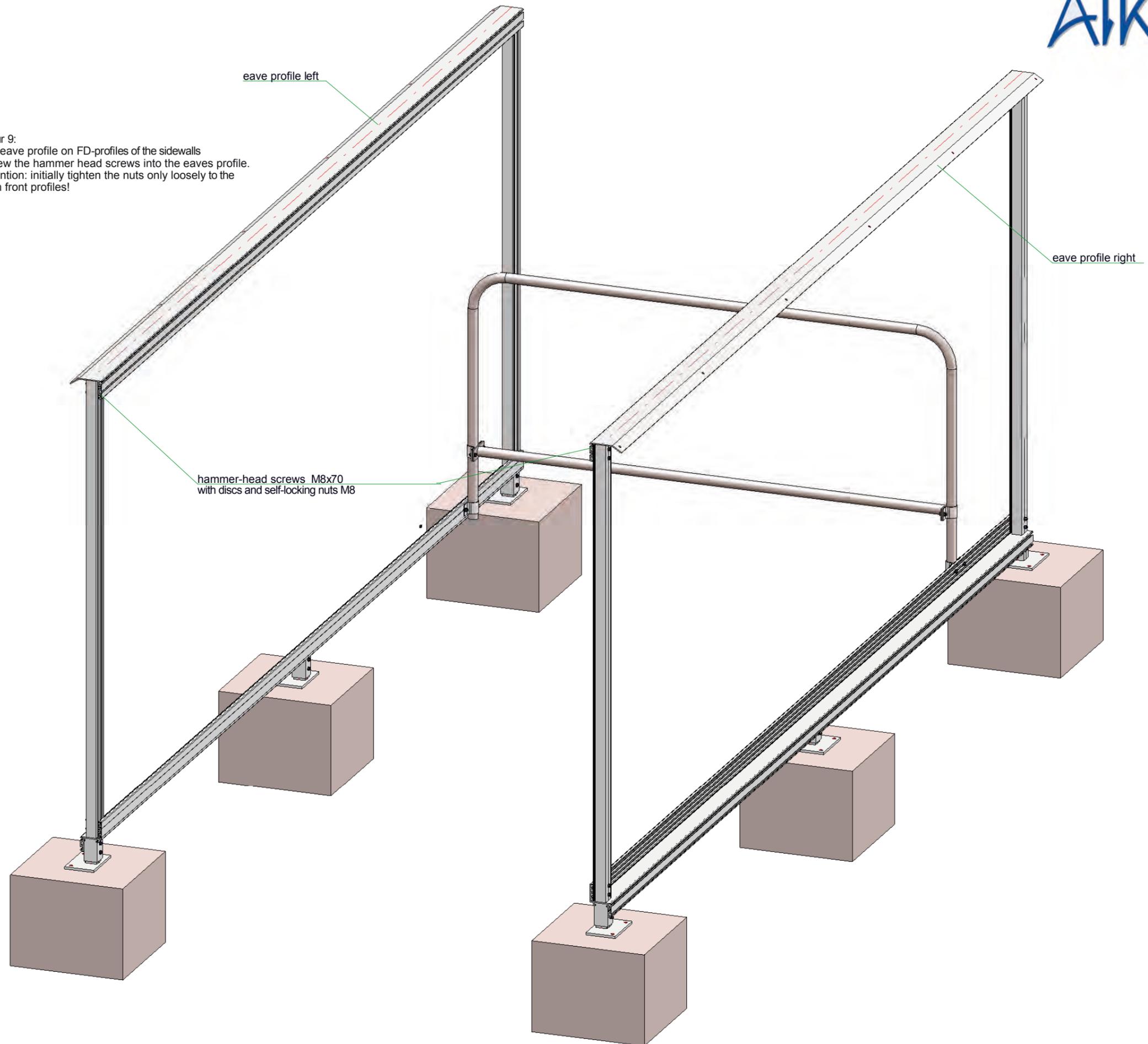


Image 10:
Installation of crossbeams

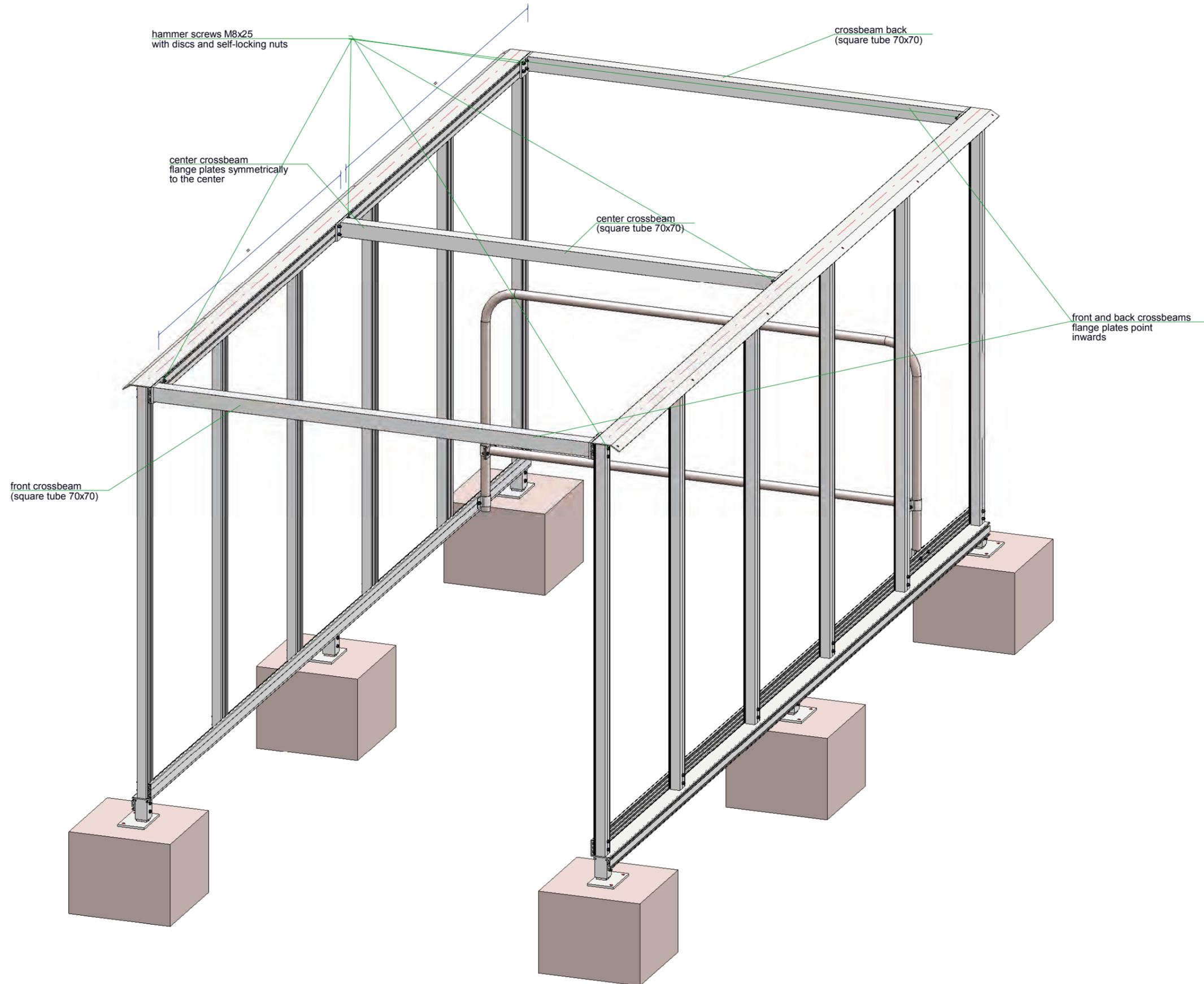


Image 11:
Preparing the plastic discs

- 1.)
Put U-rubber on discs for sidewalls
and backwalls
 - 3 pieces each on top and bottom
 - 7 pieces laterally right and left side
- 2.)
Put an aluminum U-profile on top and
bottom, centered in the width,
over the U-rubbers

7 pieces U-rubbers
laterally right and left

aluminum molding

aluminum U-molding

put 3 pcs. U-rubber each
on top and bottom

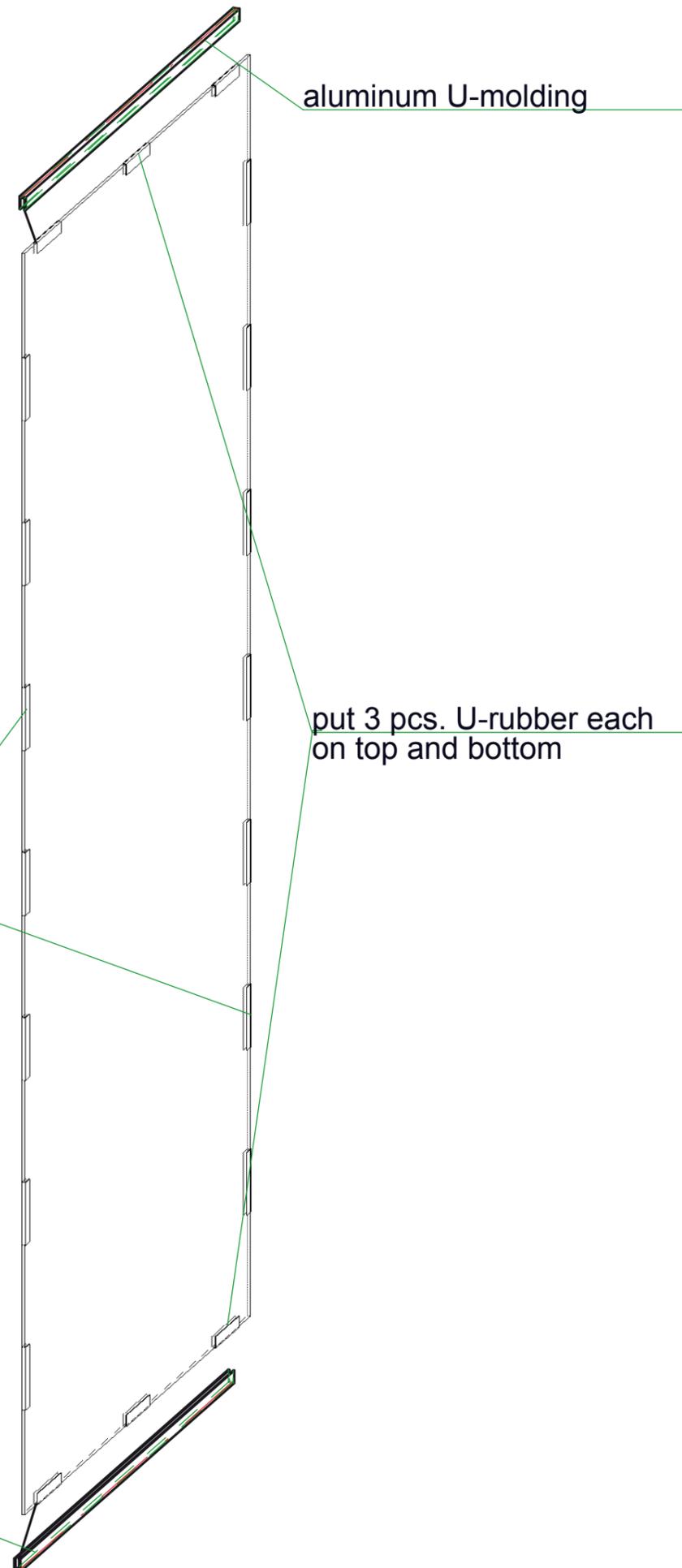


Image 12:
Insert the side disc

Rearmost disc
insert with the U-rubbers into the receiving groove
of the rear FD-profile

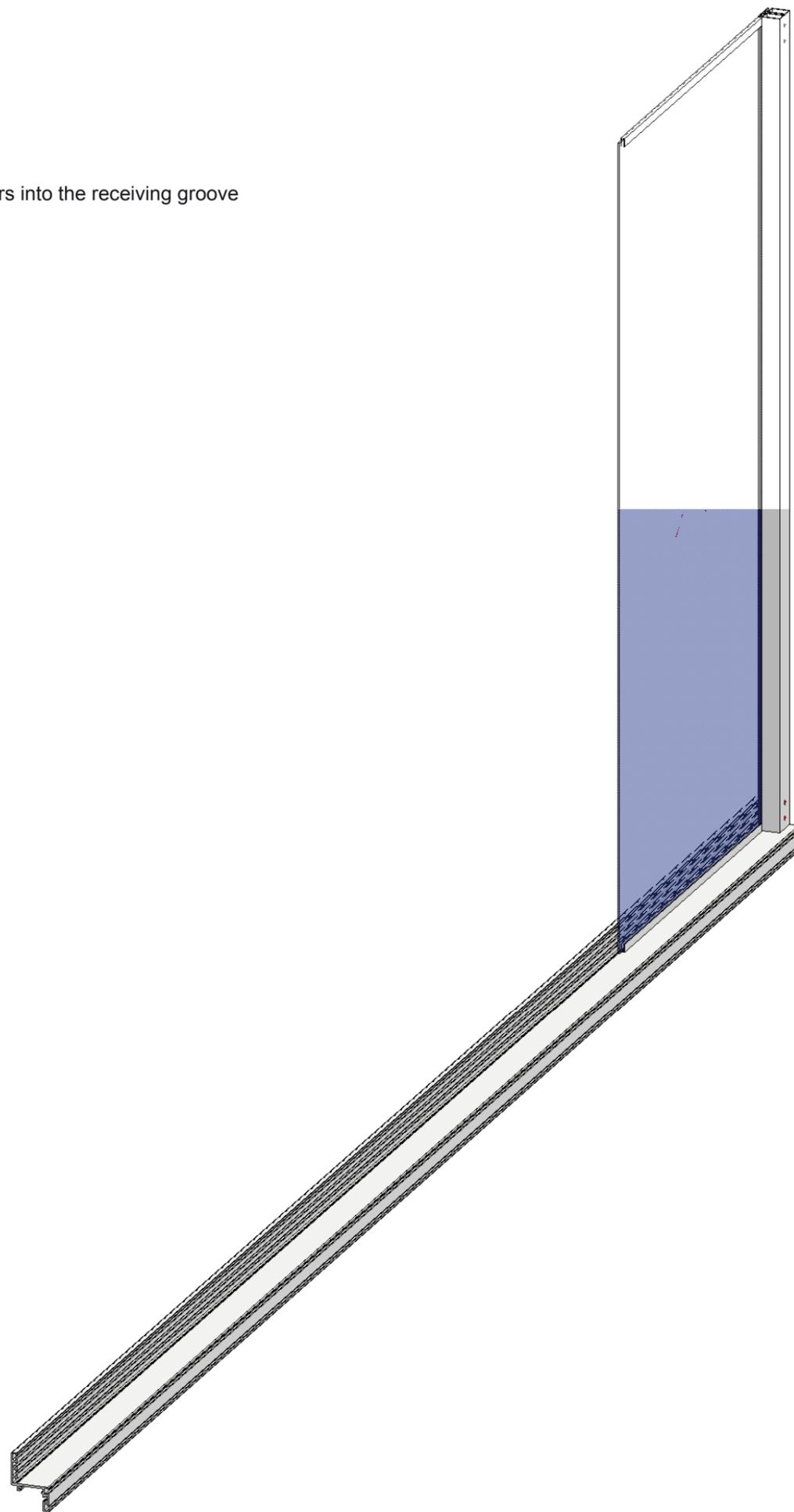


Image 13:
Side glazing in longitudinal sides

1.)
successively remaining discs and FD-sidewall-profiles
from back to front according to images 7 + 12

Before inserting the foremost disc
the front FD-profile must first be dismantled

2.)
After repositioning the front FD-profiles all
screws M8 connections must be tightened

3.)
Afterwards install all FD-profiles and
discs on the opposite side in the
same way.

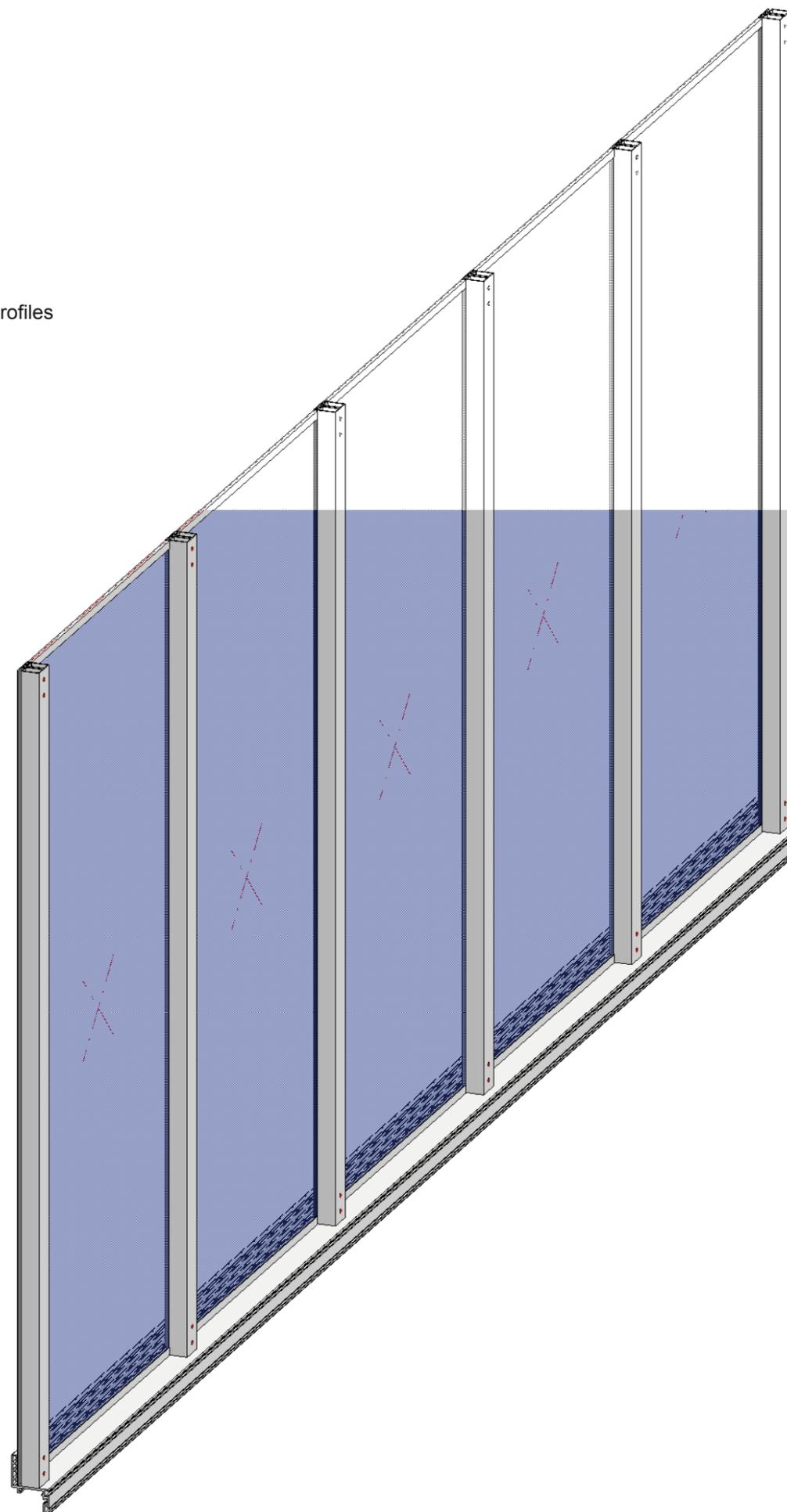


Image14:
Corner reinforcements
Drill 2 corner brackets at the front and at the back as
connections between the FD-profiles on the side and the
roof crossbeams
and fasten with 8 metal screws 8x38 mm

The front edge of the stiffenings is flush with the front edge
of the FD-profiles.

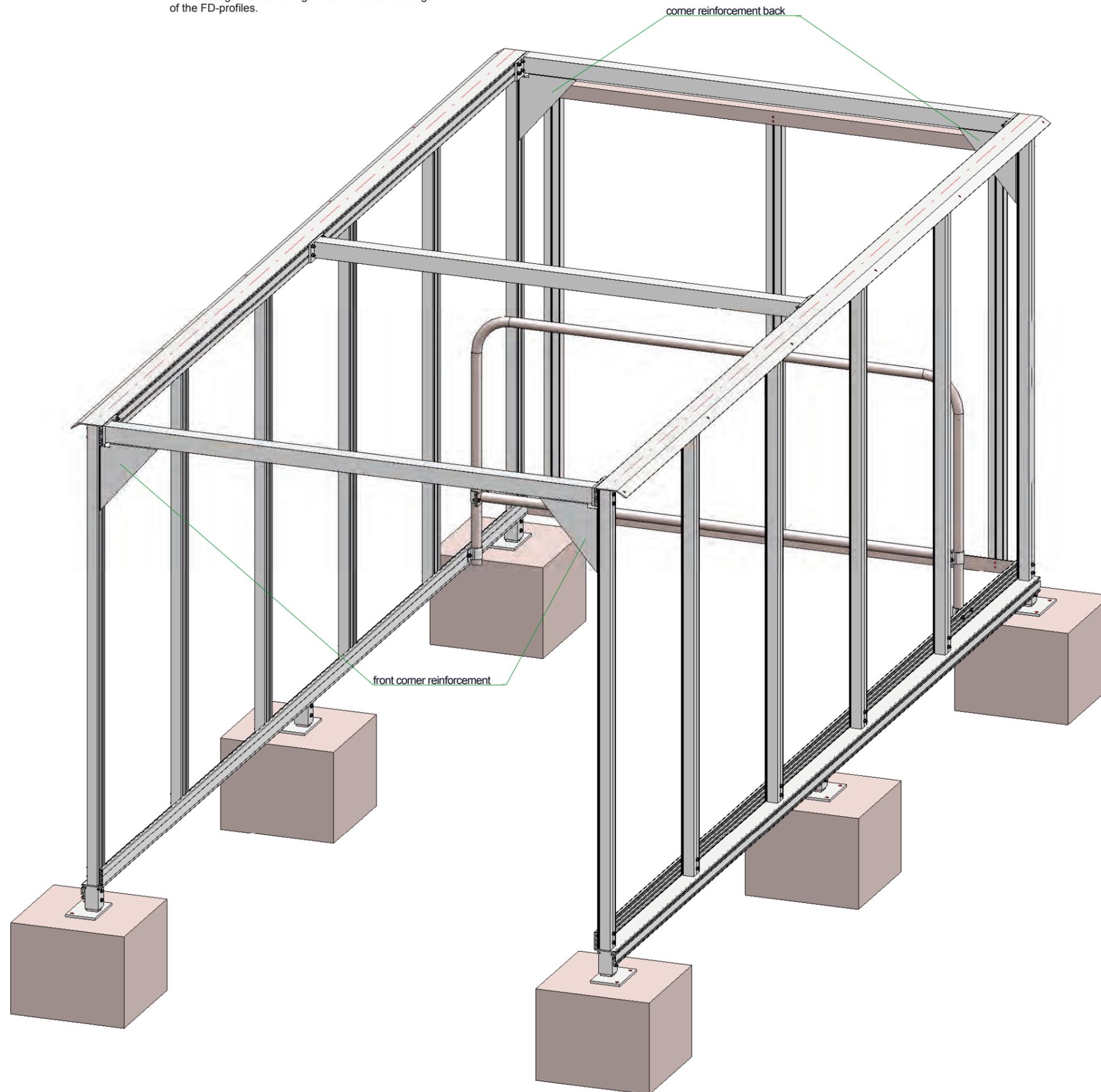


Image15:
Squares bar for backwall

1.)
screw the lower strip to the profiles of the sidewalls
using self-tapping screws.
Support surface = flush with the bottom edge of the side profile

2.)
screw the upper strip as well
> Note: clear width of at least 1890 mm!

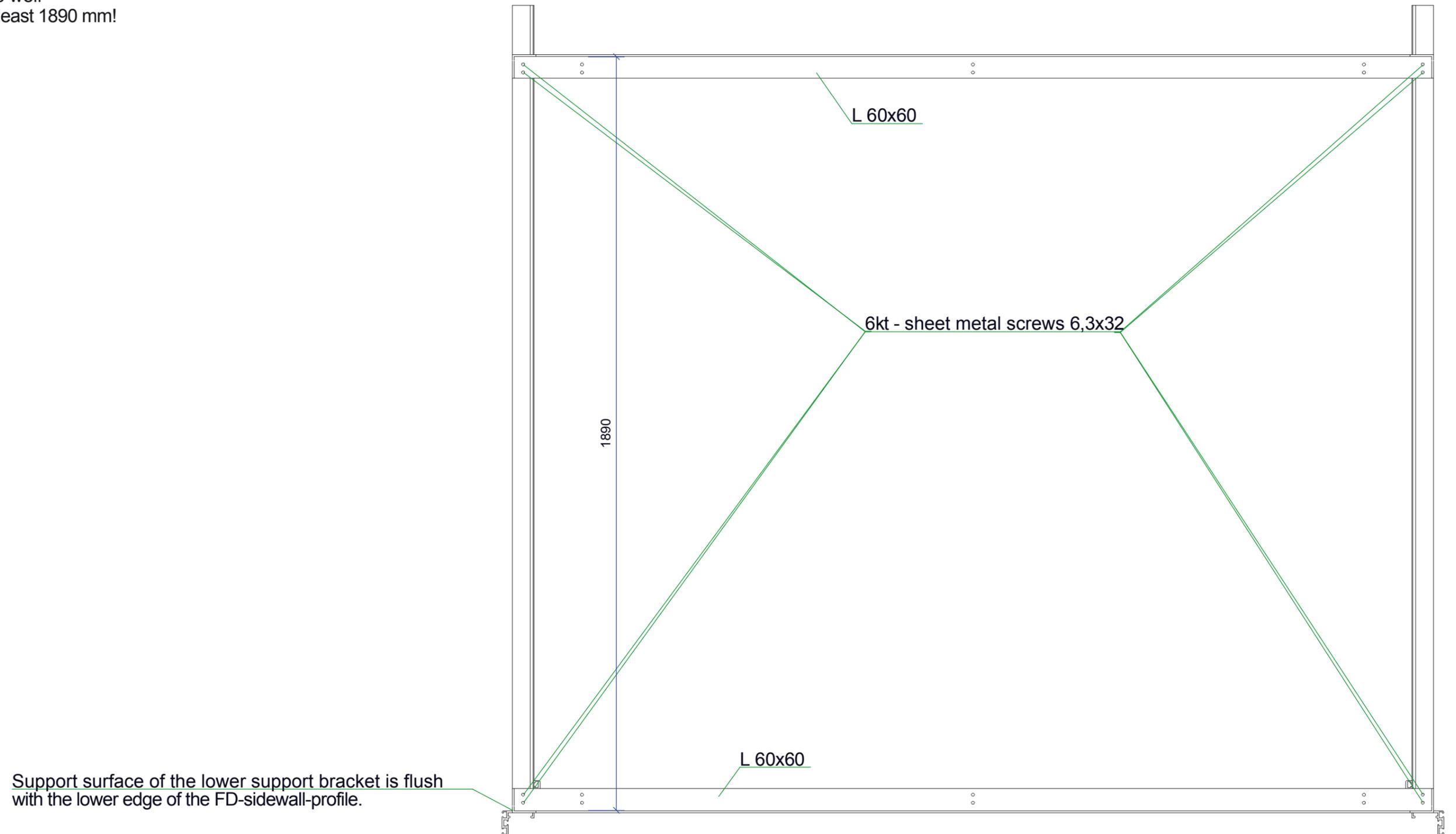


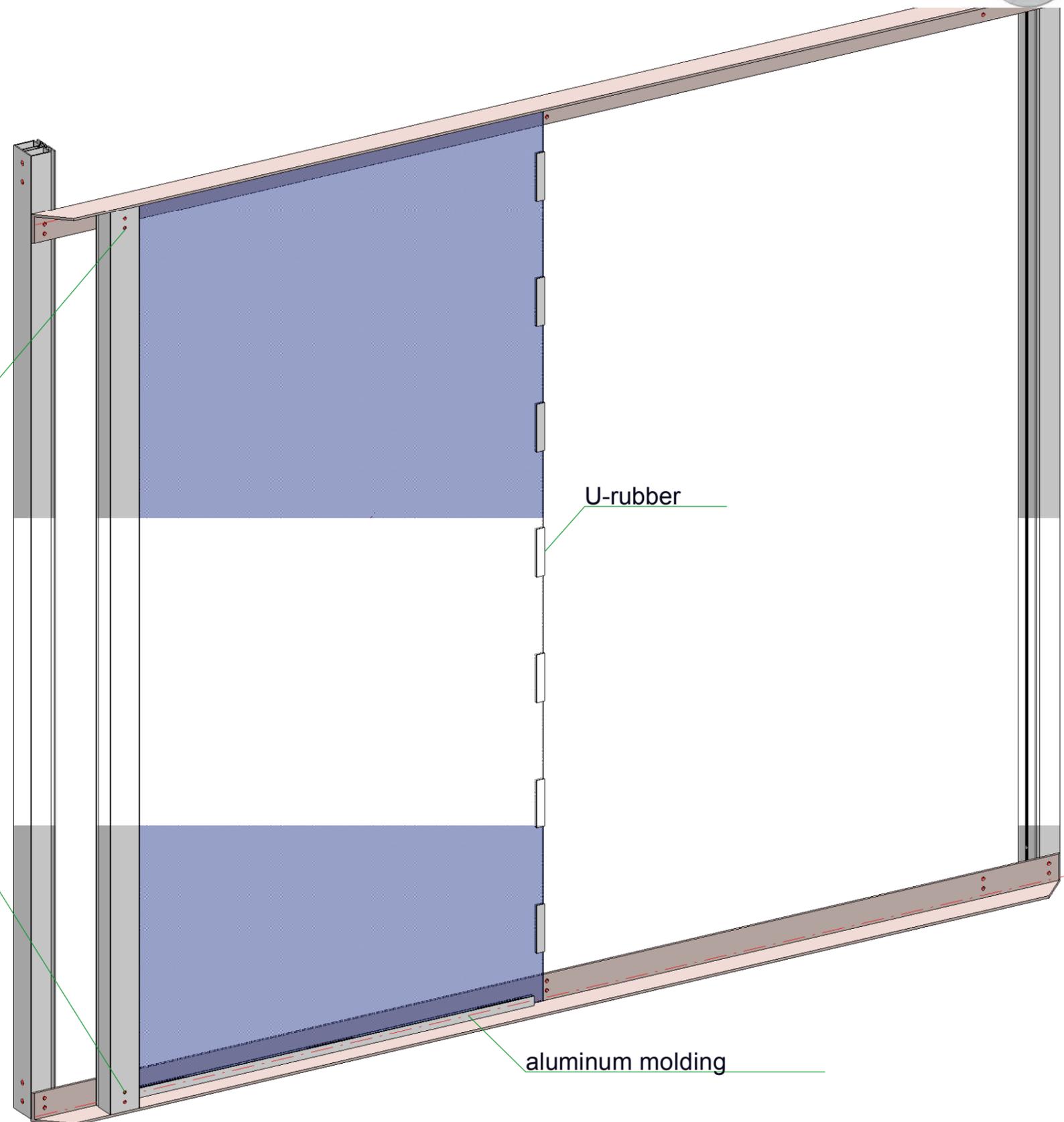
Image 16:
Install the rear panel glazing

- 1.)
Fitting the outer FD-rearwall-profile
with the M6x70 lock screws
on the two angled plates 60 x 60.

The receiving groove of the backwall profile
points inside the box

- 2.)
Insert aluminum U-profiles on top and bottom of
the plastic disc for the backwall.
Insert the plastic disc with U-rubber into the
receiving groove of the backwall profile

Carriage bolts M6x70
with discs and self-locking nuts M8



U-rubber

aluminum molding

Image 17:
Further glazing of the backwall

- 1.)
Insert the center FD-rearwall profile onto the previously inserted plastic disc and tighten with the angled nuts 60x60 (carriage bolts M6x70 with discs and self-locking nuts)
- 2.)
Insert 2nd disc with final profiles
- 3.)
Insert the outer FD backwall profile and screw it together

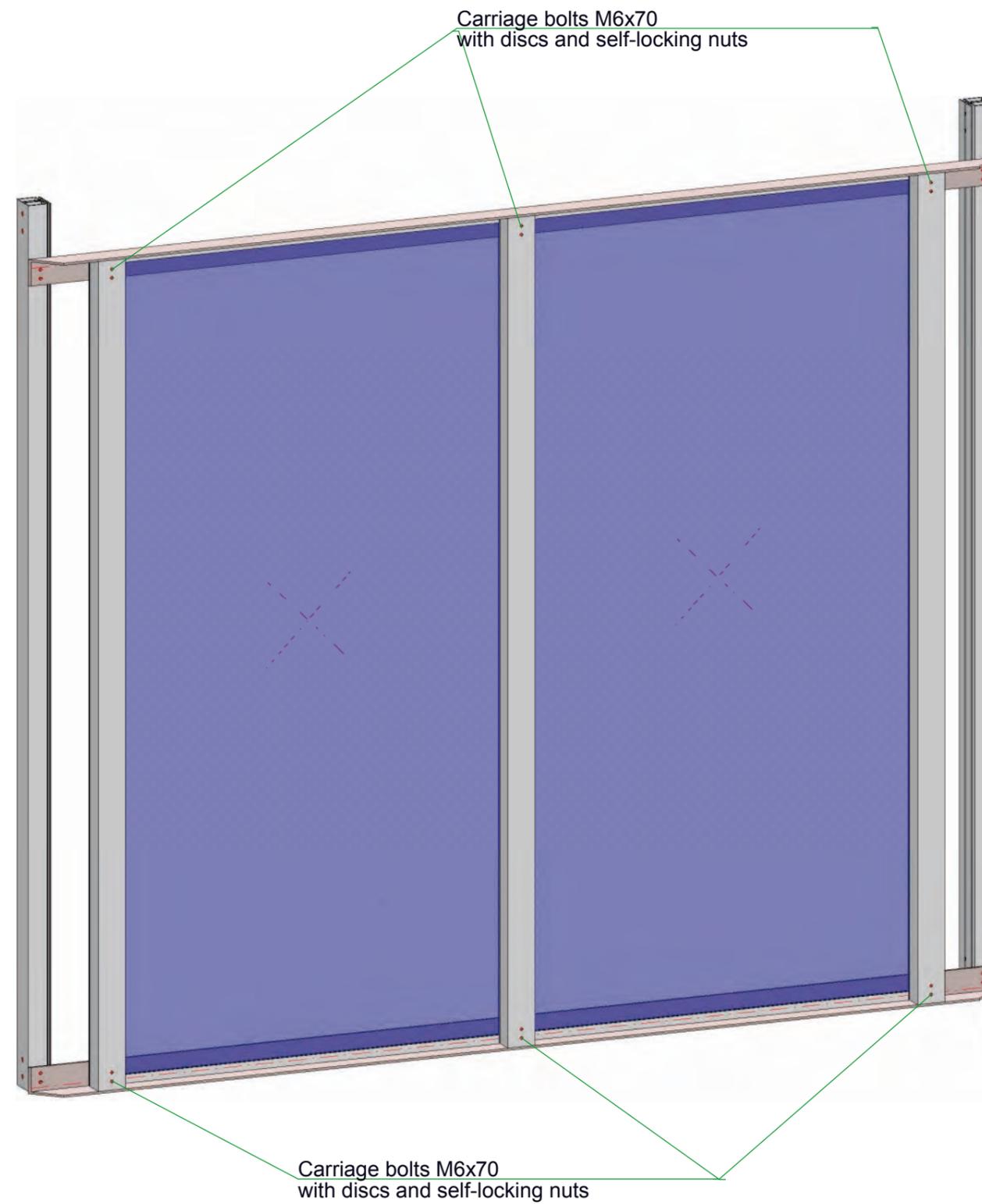


Image 18:
Positioning of the rearmost roof profile
Roof profile with carriage bolts M8x50,
discs and self-locking nuts
screw with the pre-drilled eaves

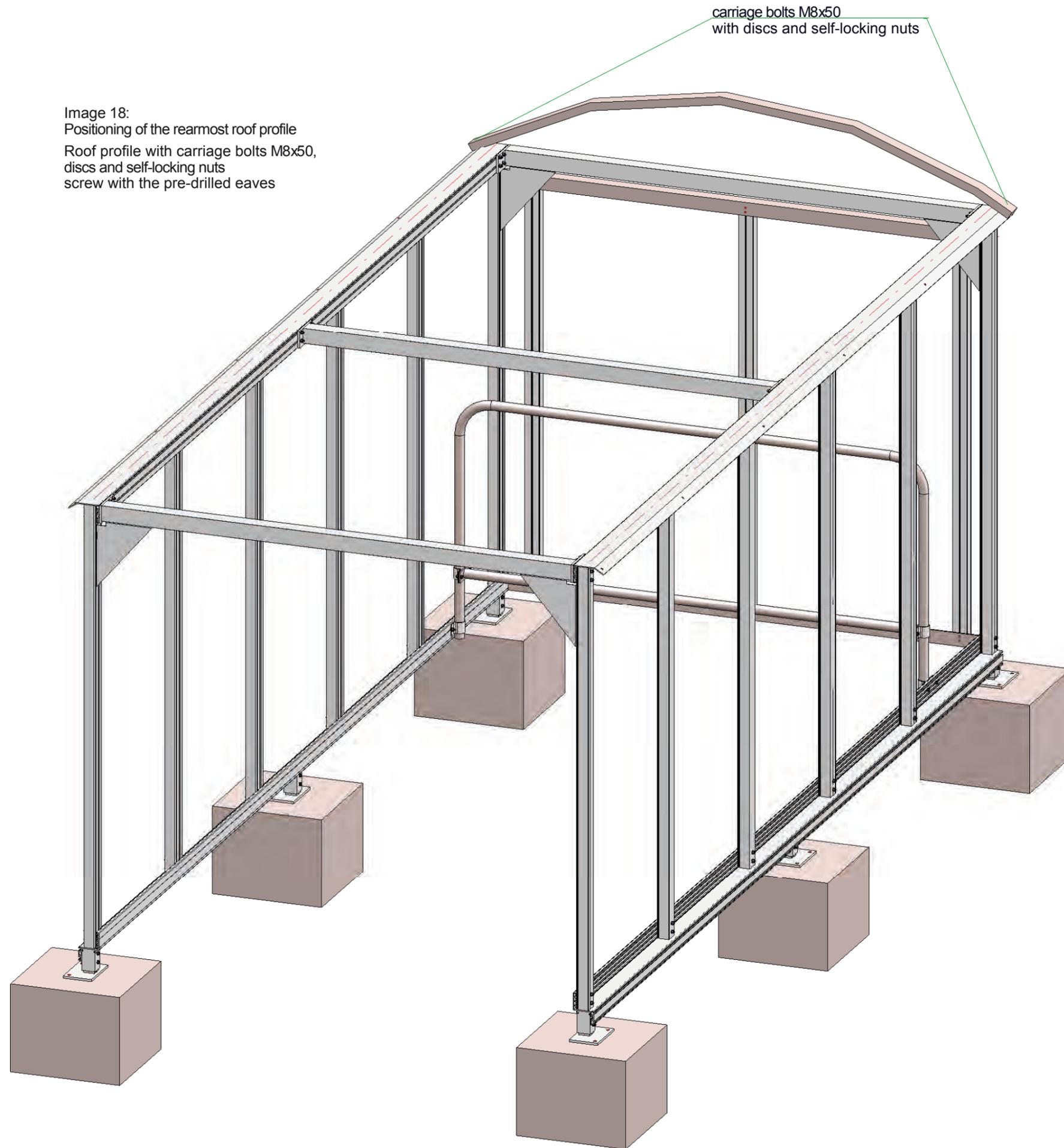


Image 19:
Preparing of the roof plates

- 1.)
on each narrow side
put 3 U-rubber on each side
- 2.)
on both narrow sides
aluminum U-profiles centered
insert with the U-rubber

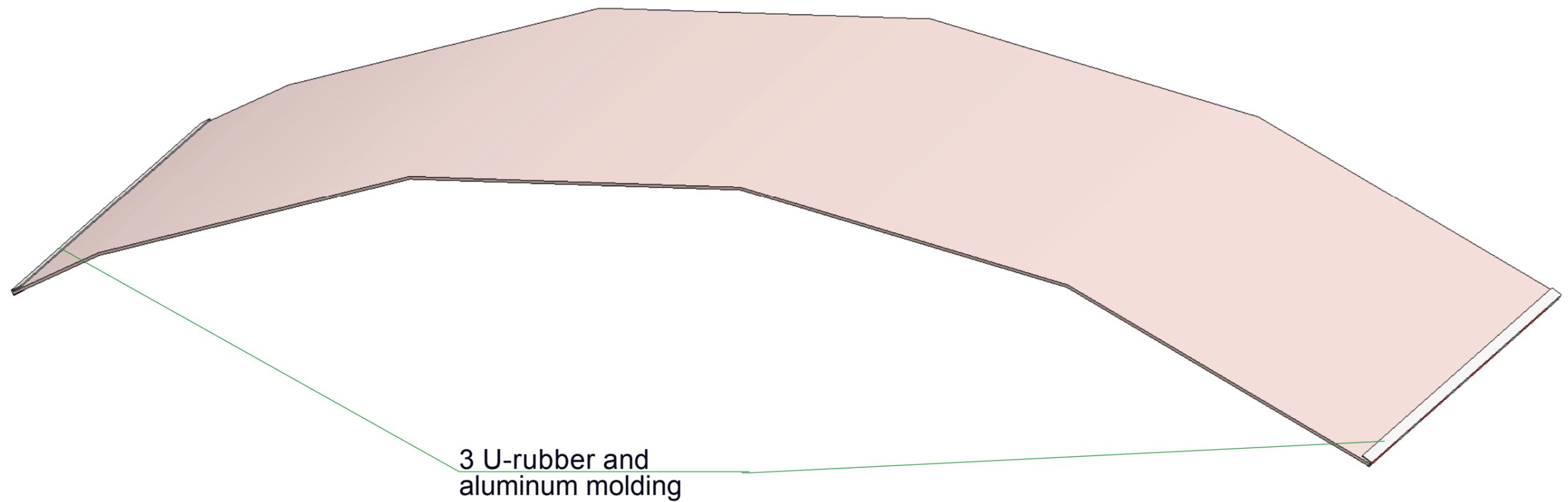


Image 20:
Insert the rear roof plate
Insert the roof slabs into the lower groove of the
arched roof profile.

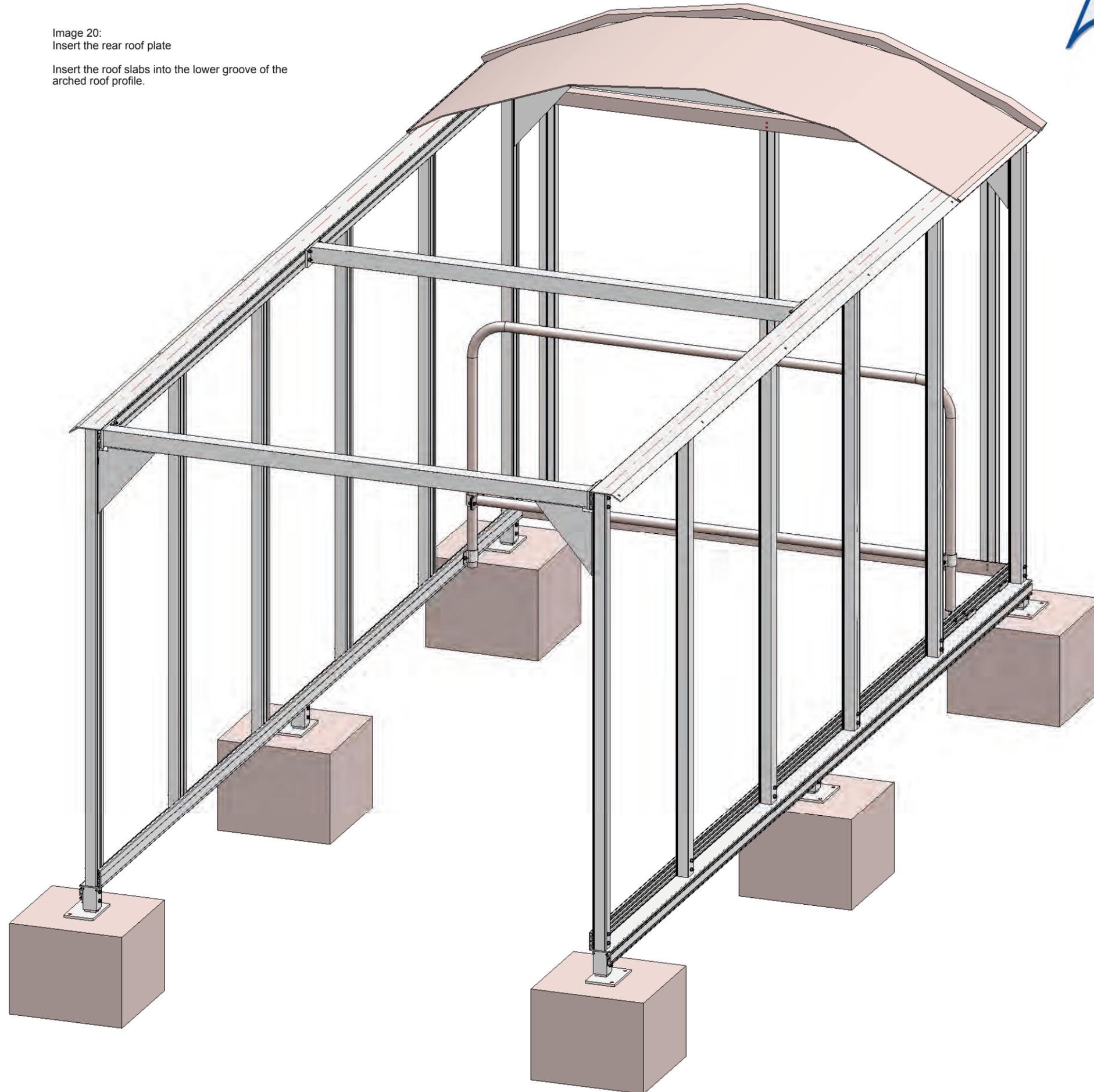


Image 21:
Completion of the roof glazing
Insert the remaining roof slabs and
roof profiles from rear to front
according to images 18 - 20
and screws it to the pre-drilled eaves

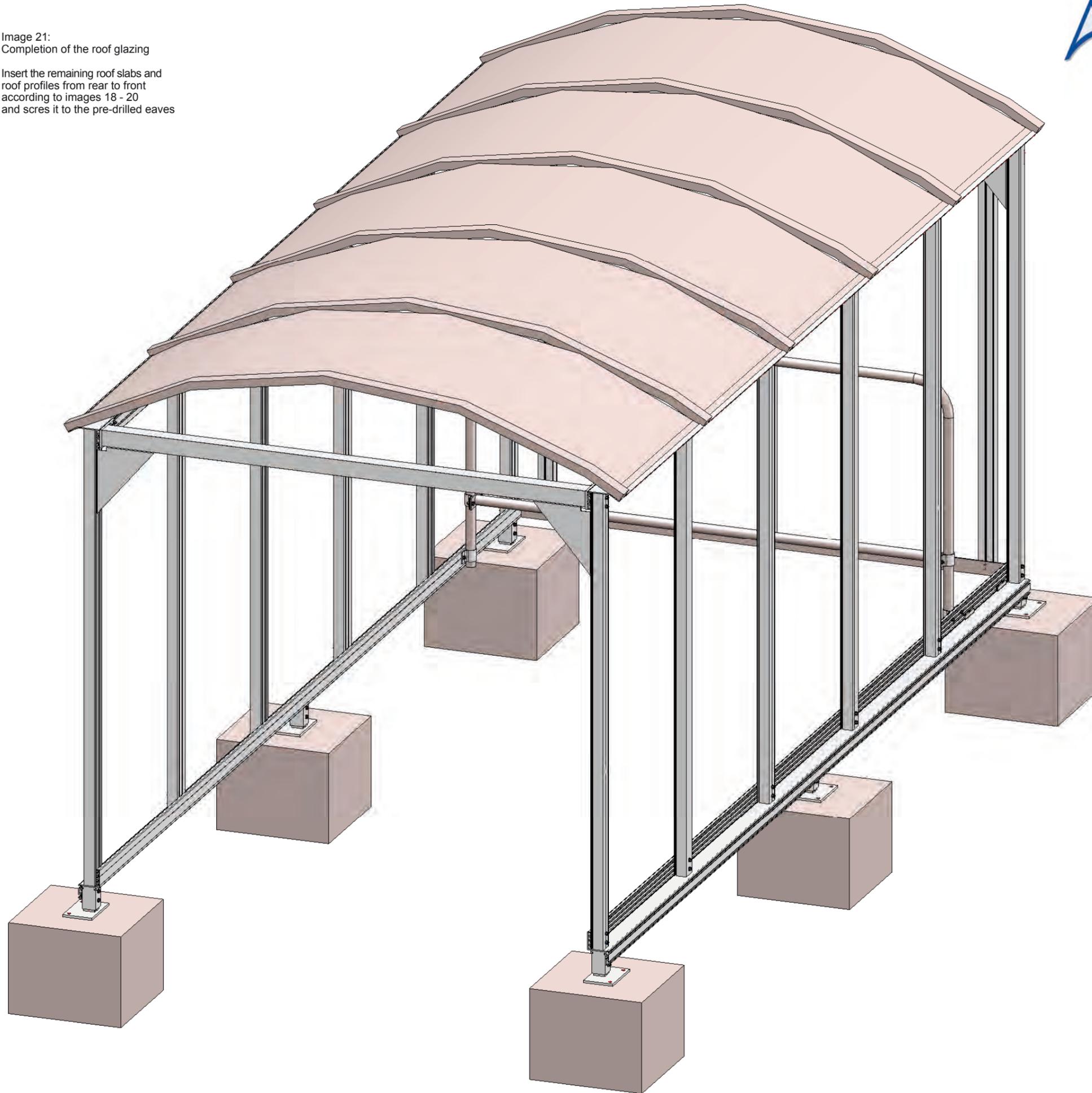


Image 22:
Mount the bumper buffer strips

- 1.)
Drill the bumper buffer strips in FD-profiles
and fasten with 6kt - metal sheet screws 6,3x38
Height: approx. 680 mm from finished flooring
up to the center of the bumper buffer strip (resp. align according to type of
trolley shelter or ground)
- 2.)
Screw upper pipe clumps to the row beginning station
on both sides with 2 hammer head screws each 8x25,
discs + self-locking nuts and to the bumper buffer strip

6kt - metal sheet screws 6,3x38

hammer head screws
M8x25

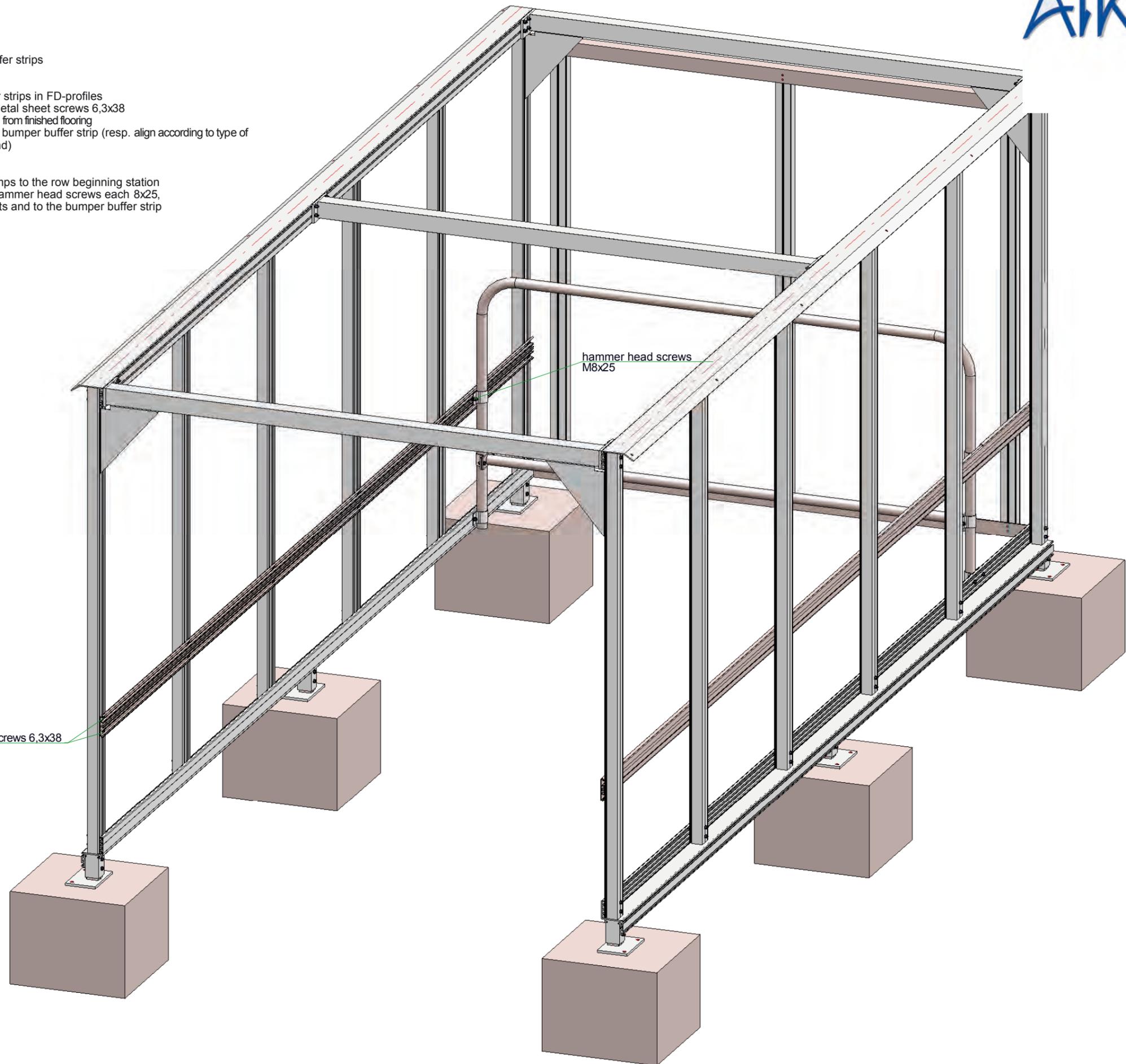


Image 23:
Cover for bumper buffer strips

Insert the covers in the front and back over
the bumper buffer strips up to the stop
at the pipe clamps of the row beginning station

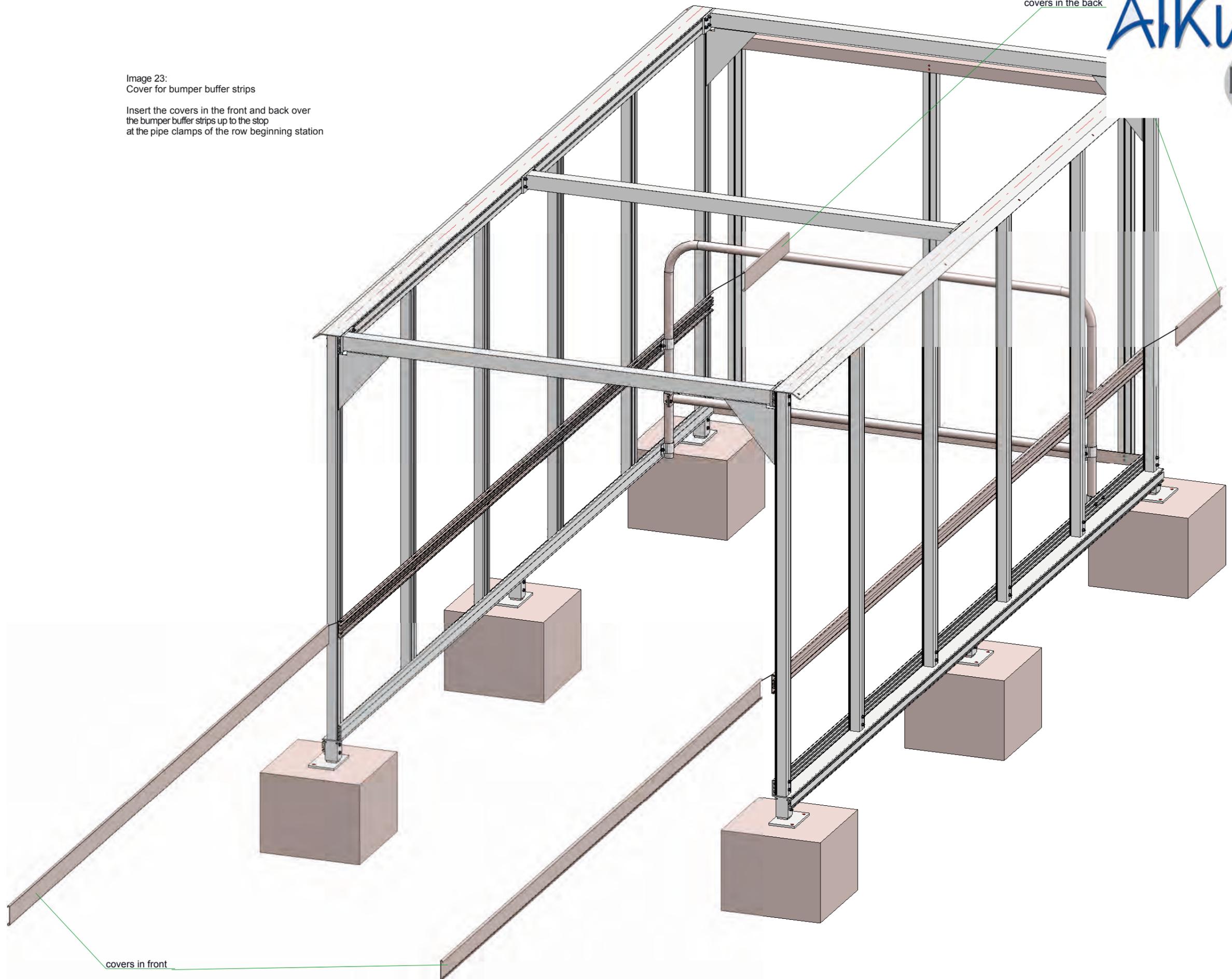


Image 24:
Attaching the cover caps

- 1.) Attach cover caps in front and back to the face sides of the bumper buffer strips and fix with metal sheet screws 4,8x19.
- 2.) Insert cover caps in front and back on the face side of the Z-profile
- 3.) Check all screws for tightness resp. tighten them.

