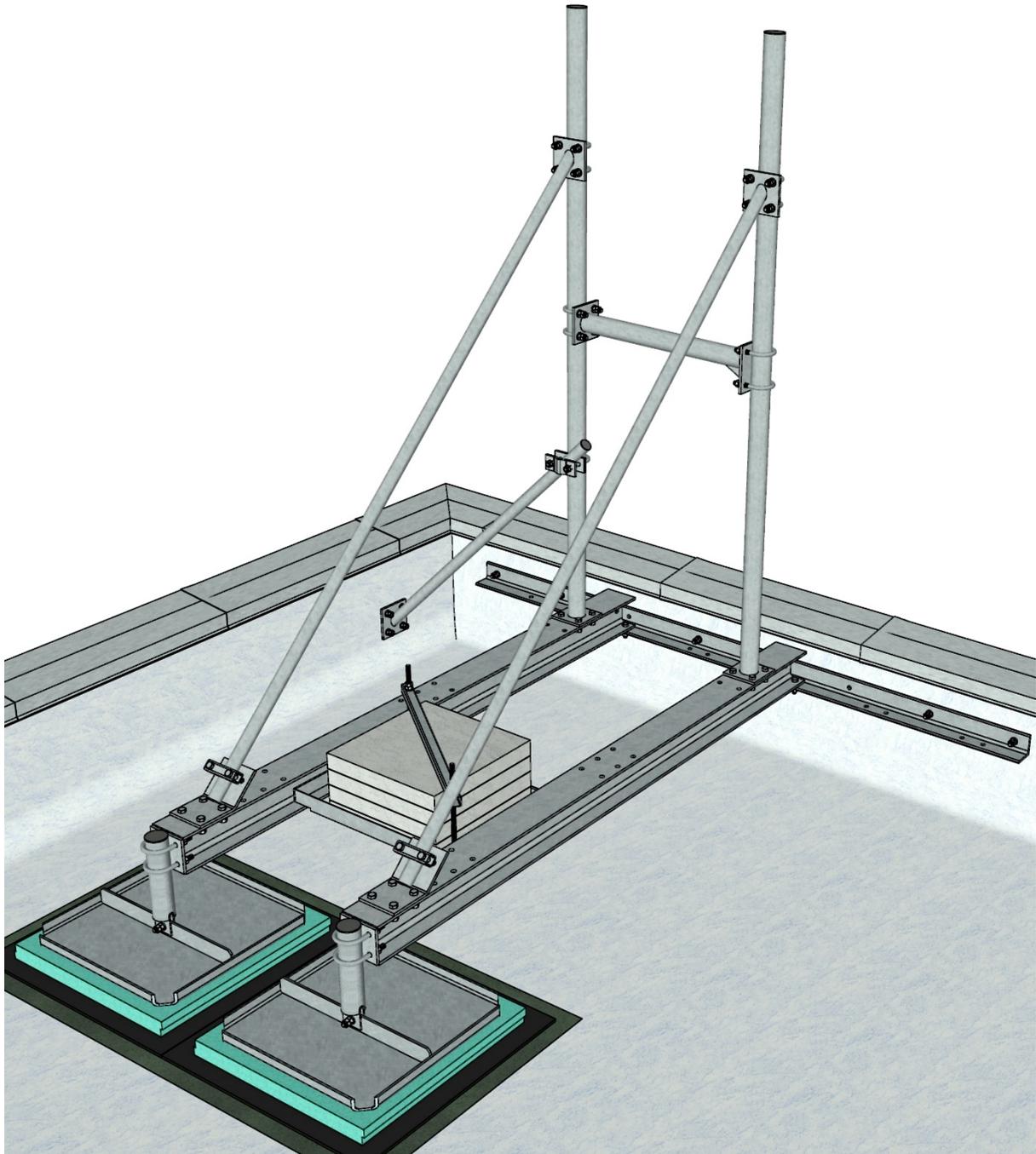


## GR 116-09

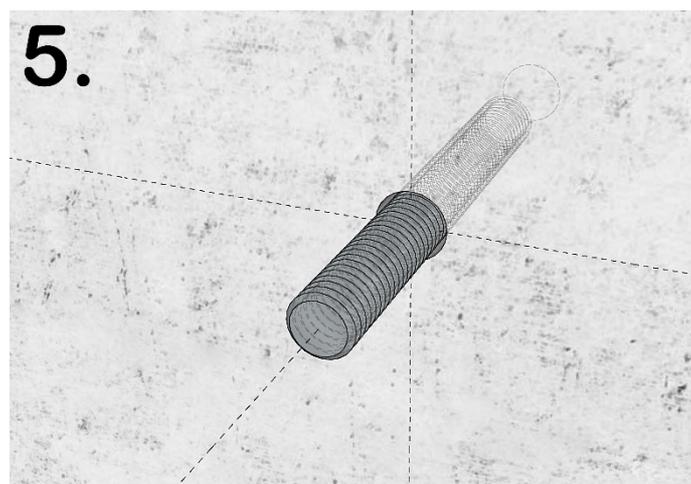
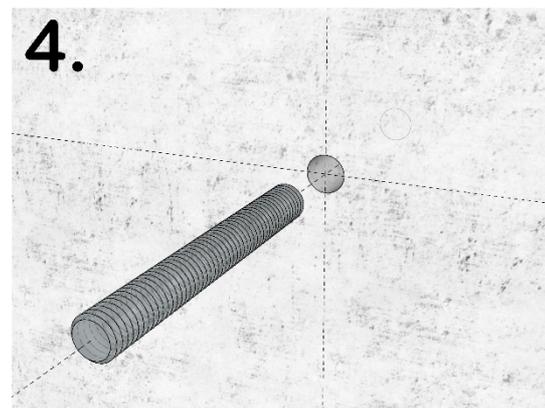
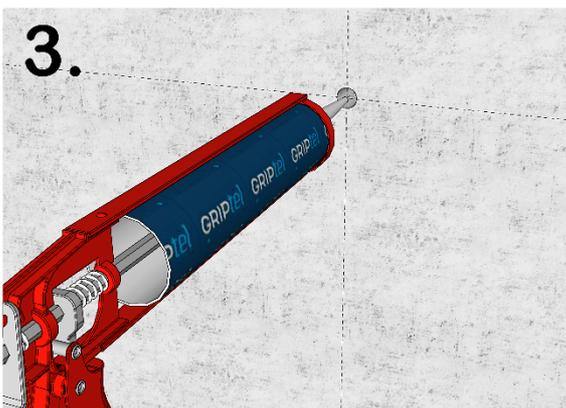
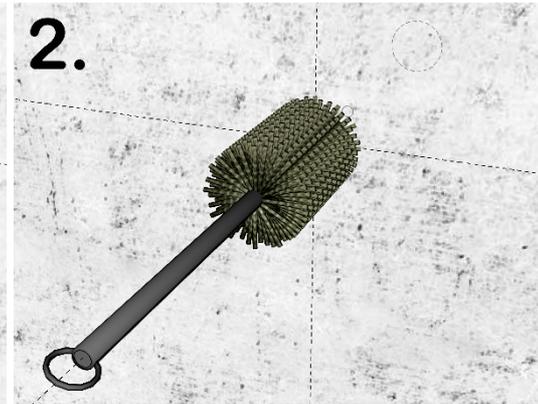
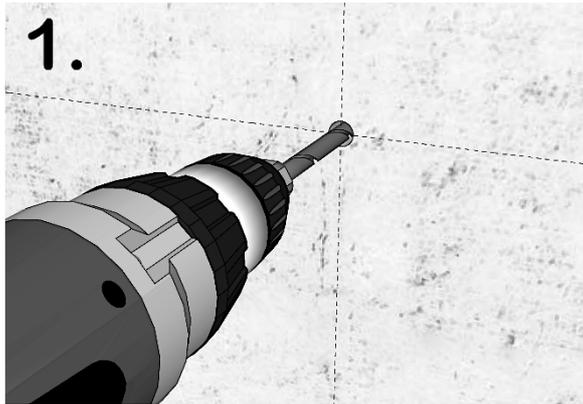
### BJELKE 2M 2 STK ANTENNEØR OVER TAK KANT

#### OVERVIEW



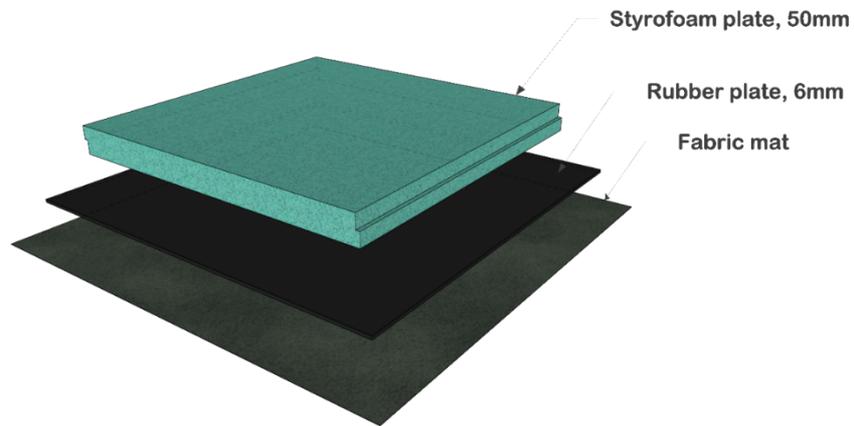
## 1. PREPARING FOR THE INSTALLATION

- i**
1. Drill hole to specified diameter and depth
  2. Blow out the dust and clean dust and debris using brushing
  3. Inject adequate MULTICOMPOUND/ Order from our web-shop: "[Pluggmasse/Pluggmasse MSC](#)"  
(if the type of the wall requires, use appropriate anchors/ Order from our web-shop: "[SIHYLSTER](#)")
  4. Insert threaded rod and cut excess part of the stud



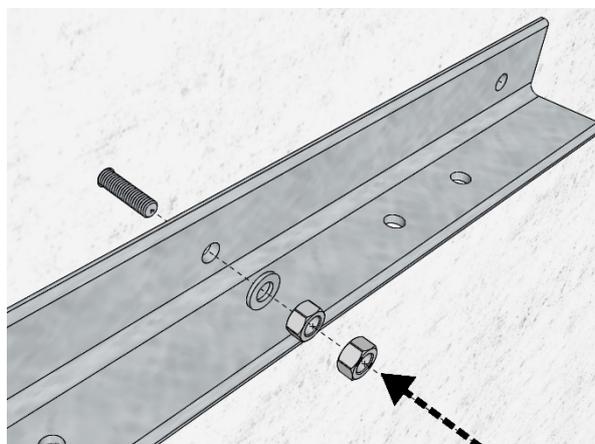
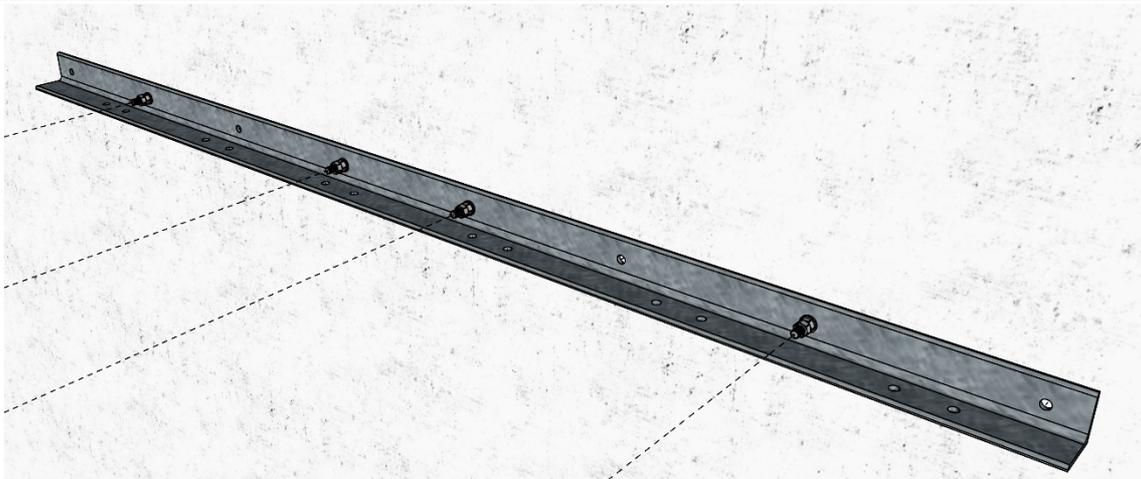
## 2. PREPARE FLORING

**i** Protect the surface from damaging using Styrofoam plate, rubber surface and fabric material below each supporting plate



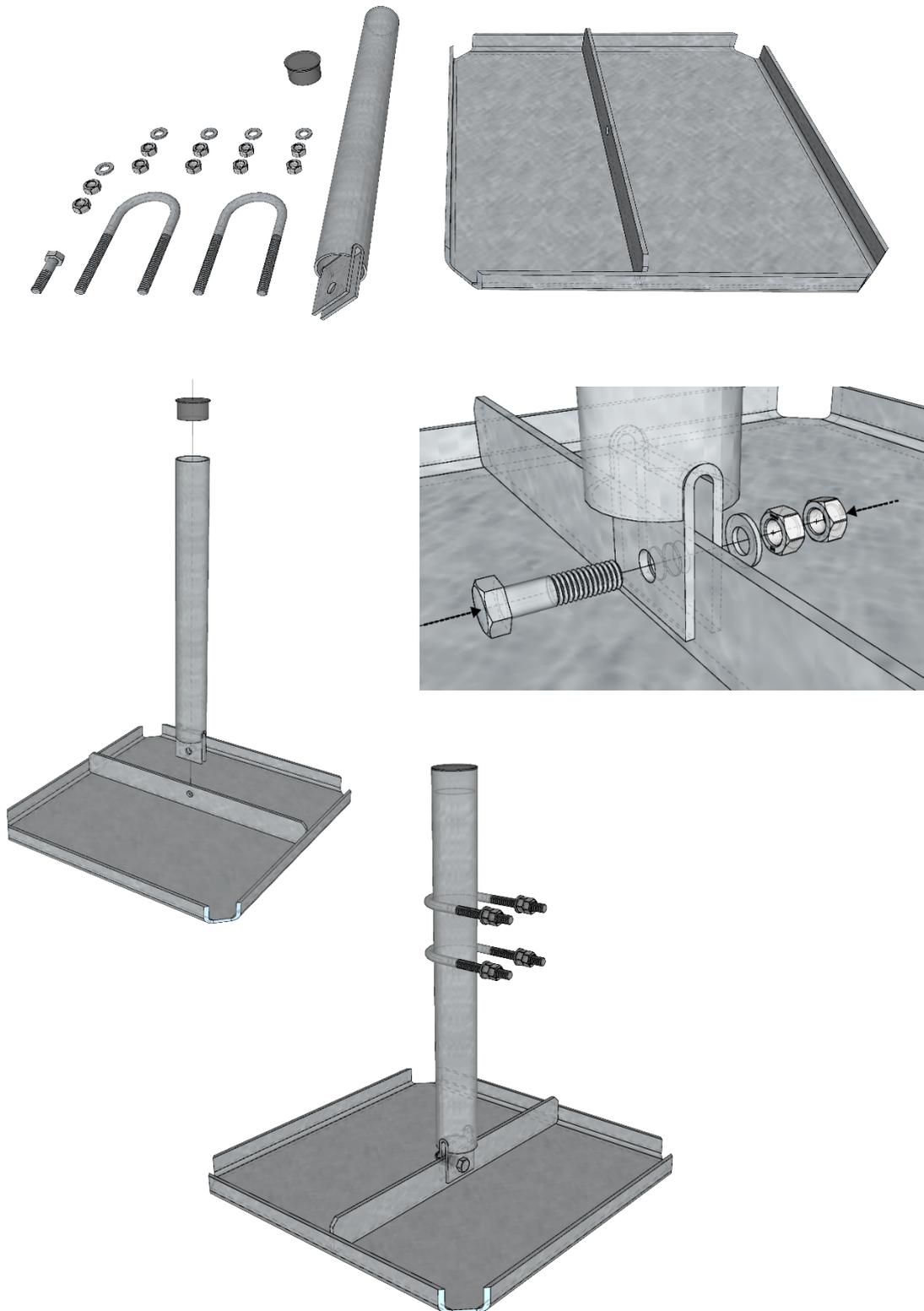
## 3. SUPPORTING HORIZONTAL BEAM

**i** Install horizontal beam **GR120-11-P24** on the prepared chemical anchors on the wall;  
(Height on the support will depend of the surface/ Bolts and Threaded rods are not included)



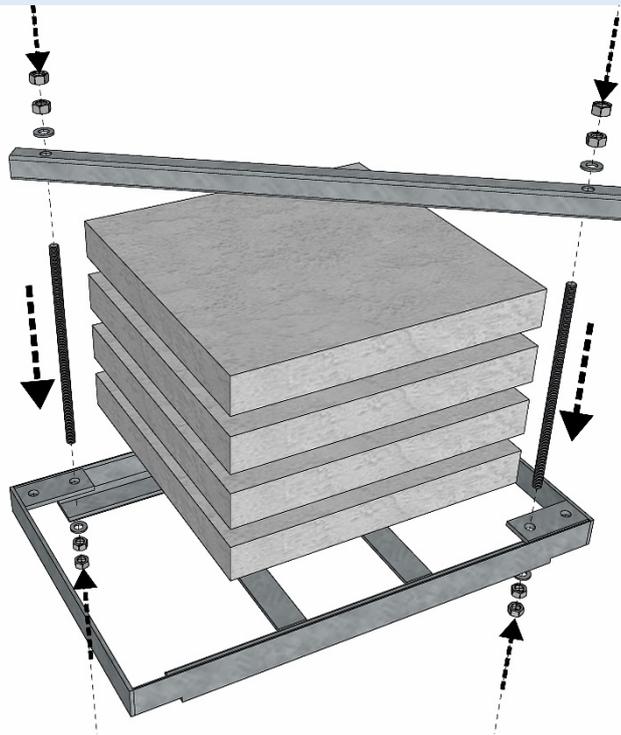
#### 4. Lastfordelende plate m. Ø60 rør - L=600mm; GR120-11-P19

- i** Place the central tube to the vertical position on the base frame;  
Cut excess part of the tube after installation;

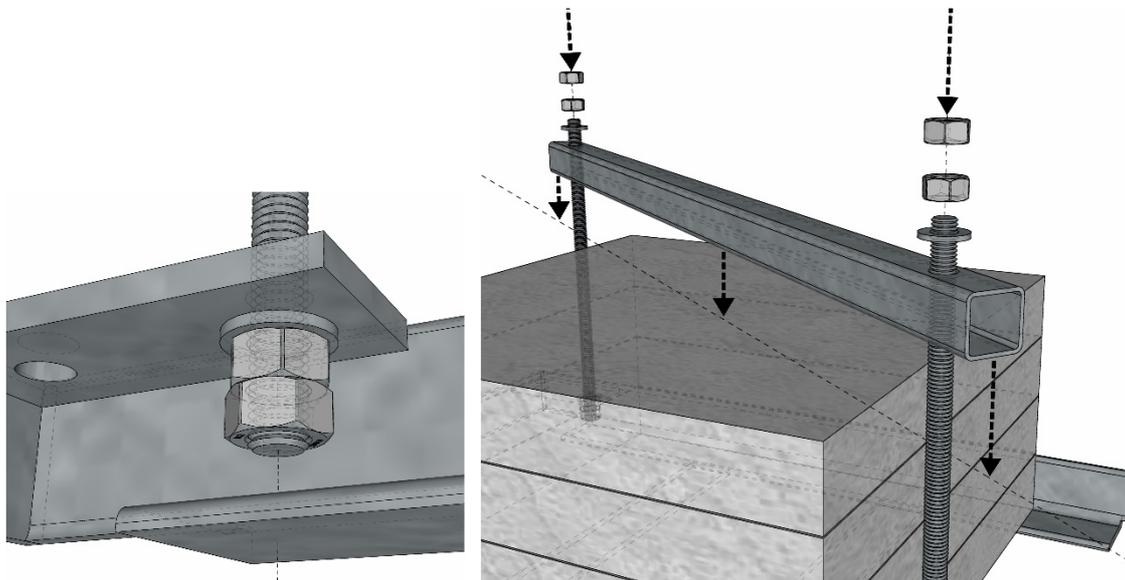


## 5. Kassett for feste av betongbl.; GR120-11-P18

**i** Set 4x concrete blocks 500/250/50mm at center of the base frame

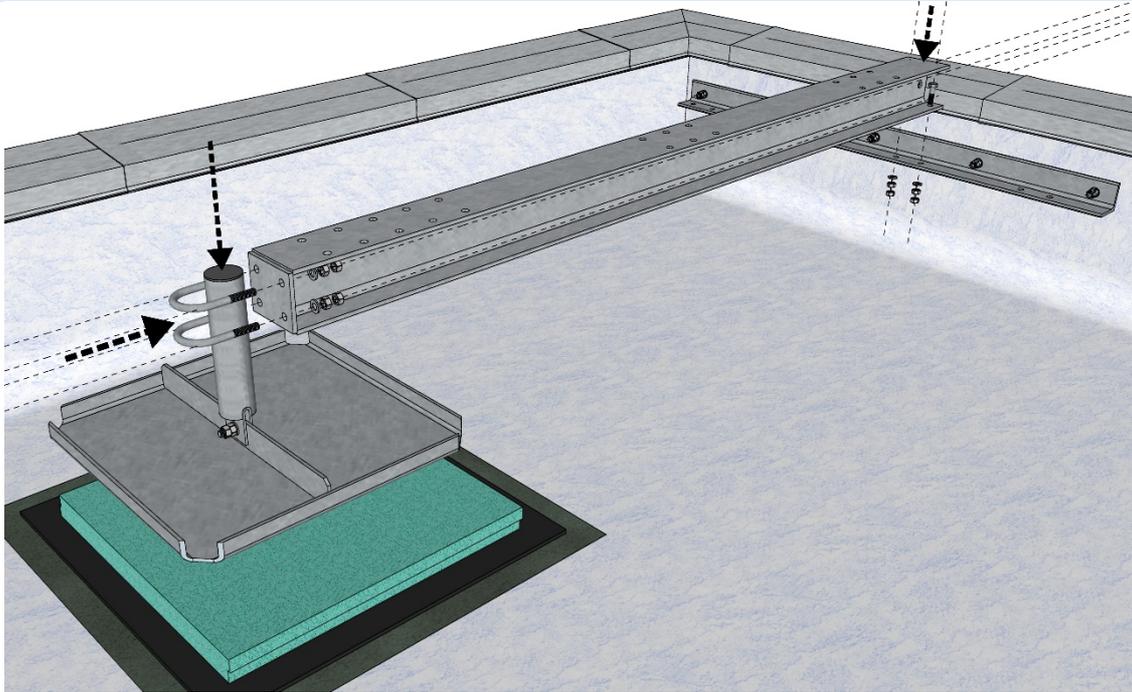


**i** place two threaded rods diagonally in the required positions (see drawing) and tighten the nuts / counter nuts;  
Set tightening HUP30/30/3 over the concrete block and through the installed threaded rods to secure blocks from damaging.

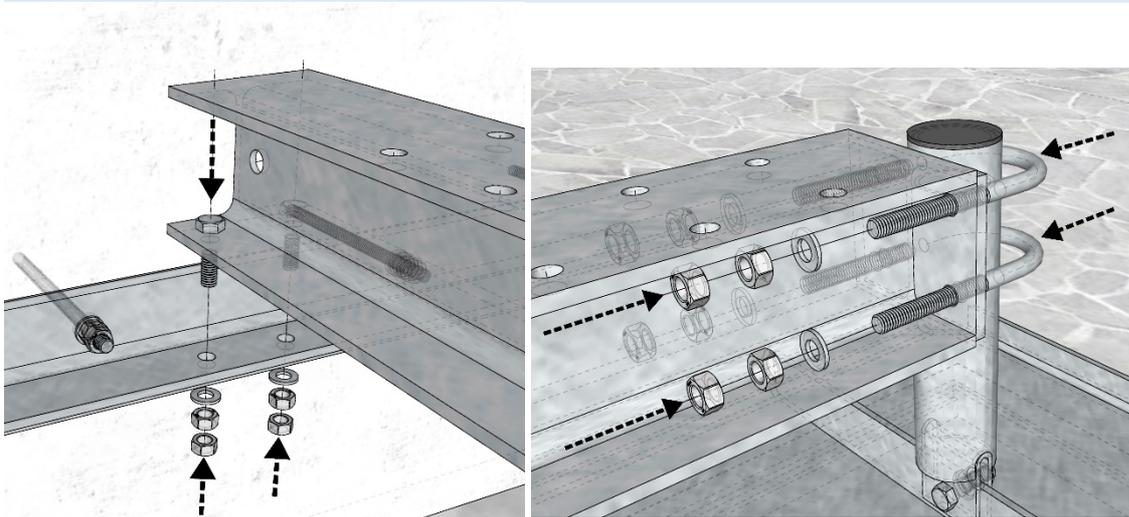


## 6. MAIN POLE SUPPORT

- i** Attach 2x **GR120-10-P04** beam to well-prepared horizontal L-profile on the wall and support it using 2x vertical supports **GR120-11-P19**  
Supporting pipes needs to be cut and level with top of the horizontal supporting beam

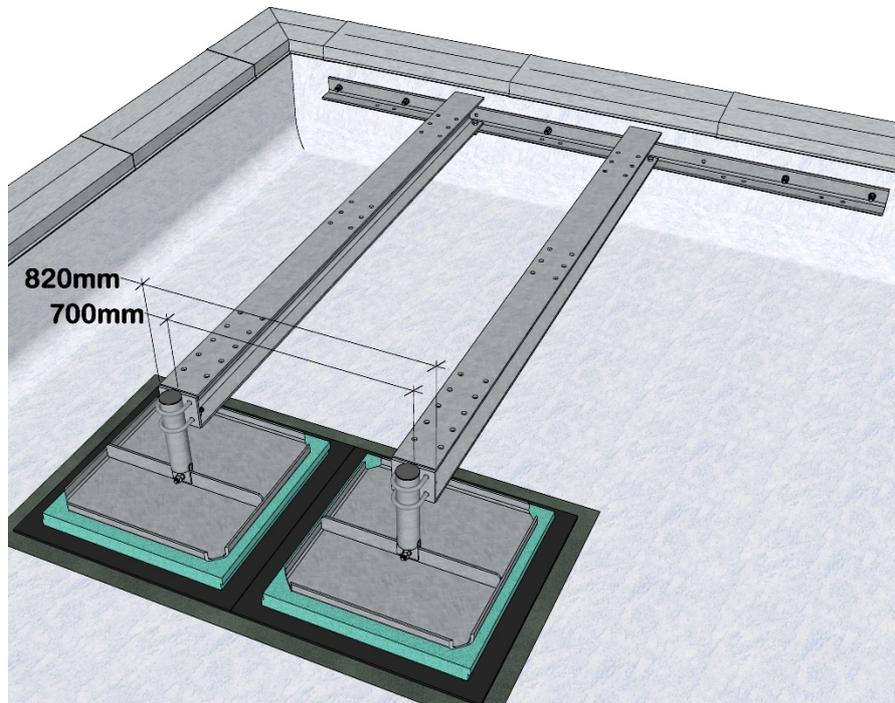


- i** Use 4x M12x40 bolts and counter nuts to attach 2x beams to L-profile  
Make connection between vertical support and main horizontal beam using prepared U-bolts

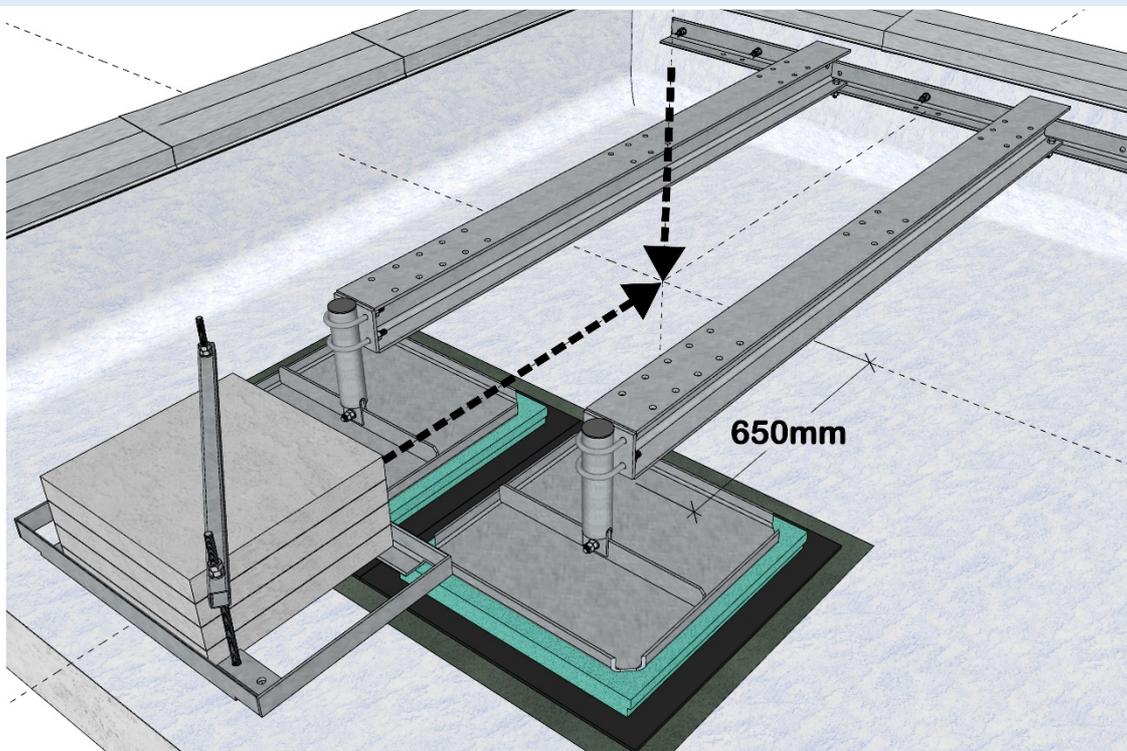


## MOUNTING INSTRUCTION

- i** Use 4x M12x40 bolts and counter nuts to attach beam to L-profile
- Distance between 2x main horizontal beams should be 700mm axial distance

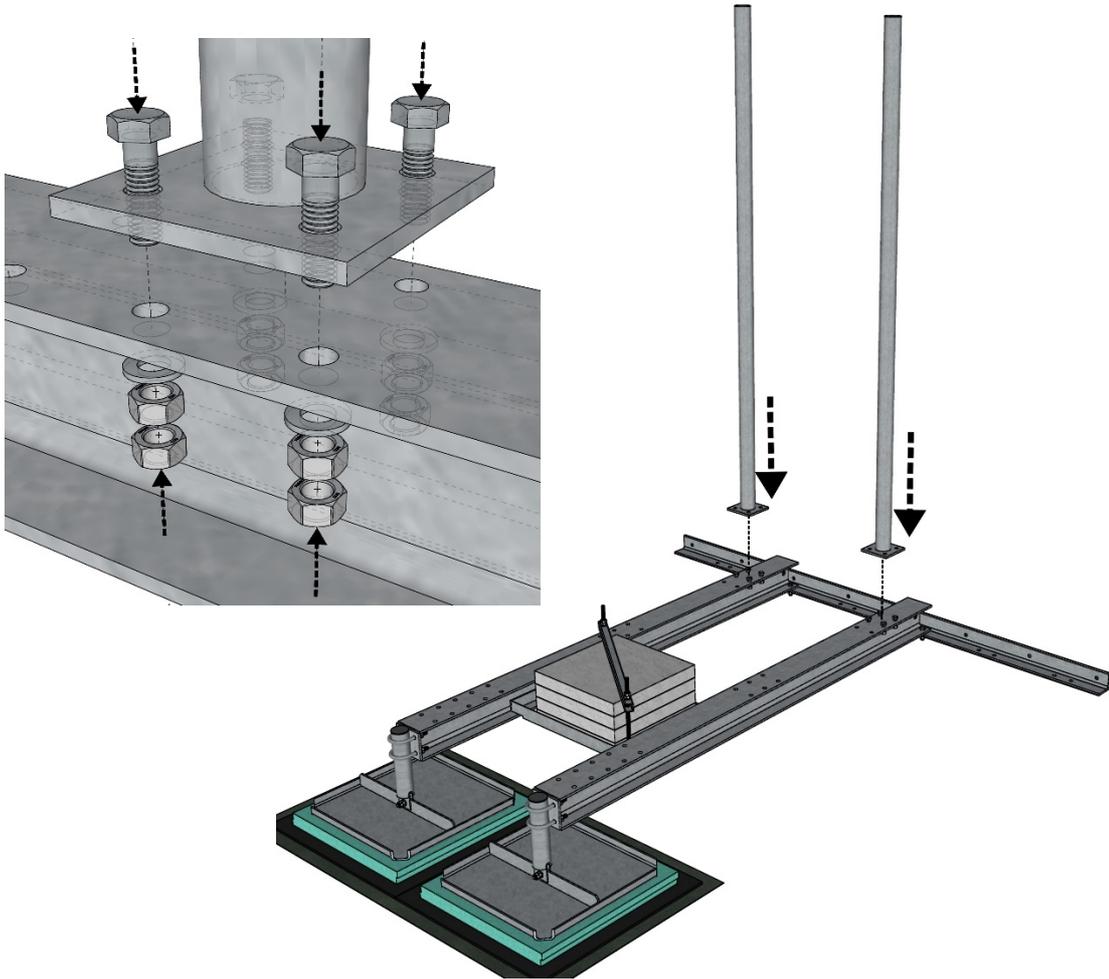


- i** Slide 1x GR120-11-P18 frame with concrete blocks 650mm from the back line between two main horizontal beams GR120-10-P04

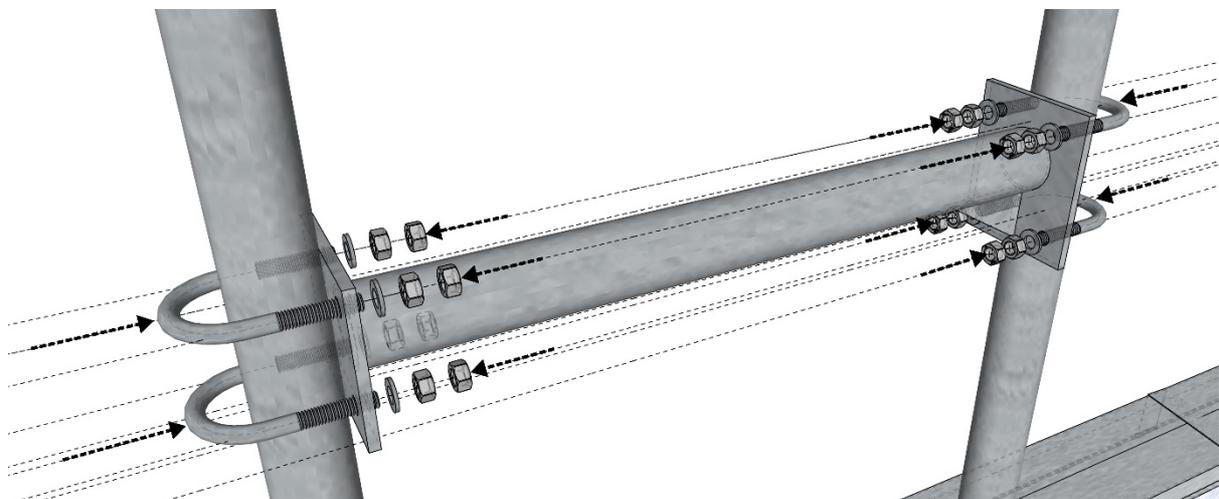


## 7. MAIN POLE SUPPORT

- i** Install 2x **GR120-14-P42** steel pole to the prepared horizontal support;  
Joint 2x poles **GR120-14-P42** and 2x hor.supports **GR120-10-P01** using 8x M12x40 bolts

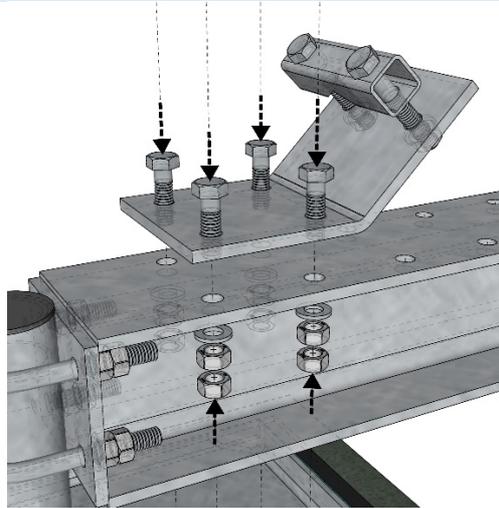


- i** Install 1x **GR120-14-P49** horizontal support between 2x main poles **GR120-14-P42**

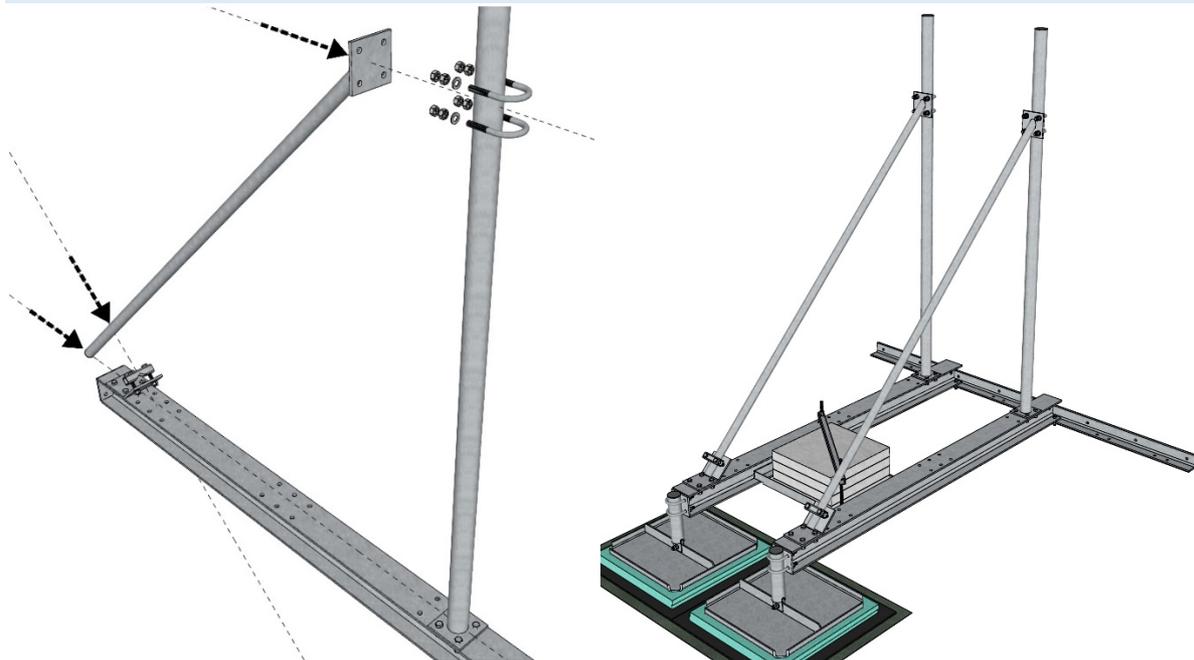


## 8. CENTRAL / SIDE STRUT SUPPORT

- i** Install 2x bottom strut supports **GR120-15-P50** on the 2x main hor.beam **GR120-10-P04**;  
Joint them together using 8x M12x40mm bolts

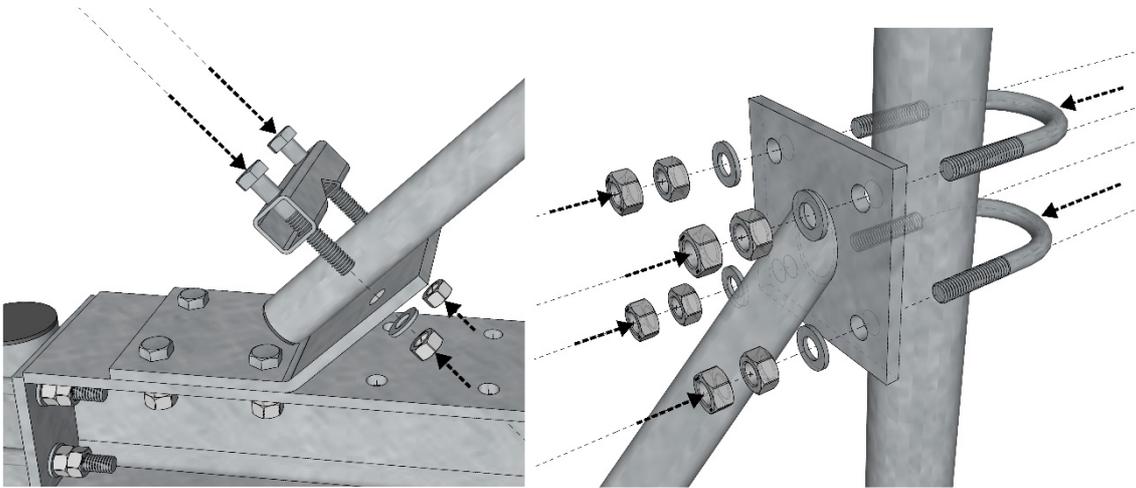


- i** Add 2x central strut **GR120-14-P48** to the 2x support main poles **GR120-14-P42**.

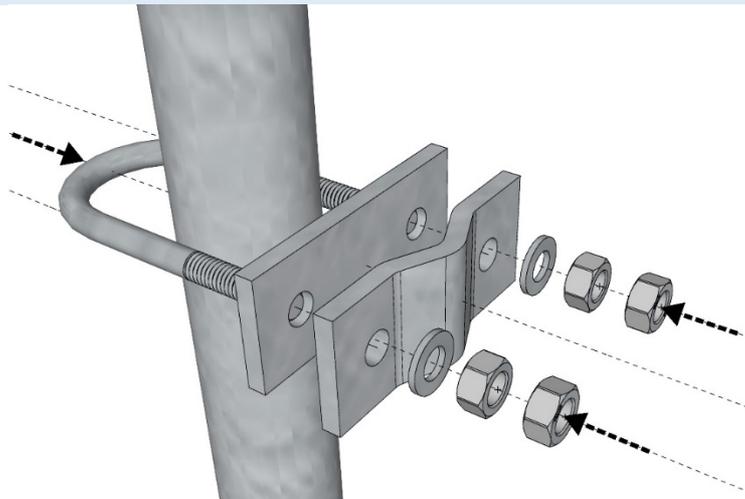


## MOUNTING INSTRUCTION

- i** Attach lower part of the central strut to the 2x **GR120-15-P50** supports using 4x M12x100mm bolts  
Joint the upper part of the central strut to main pole using U-bolts

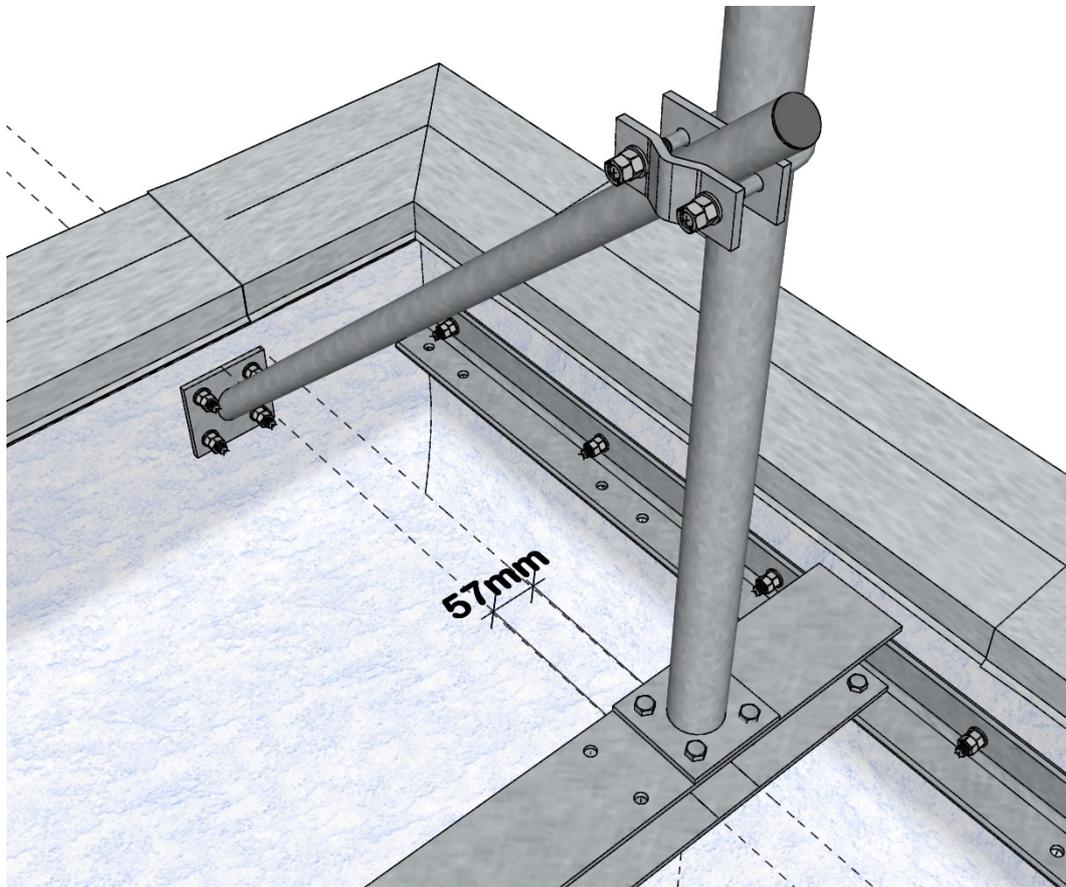


- i** Install on the main poles 1x **GR120-15-P51** connection for the side strut support.

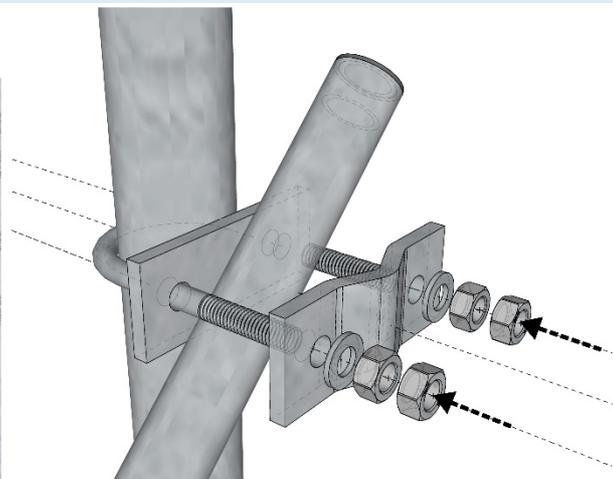
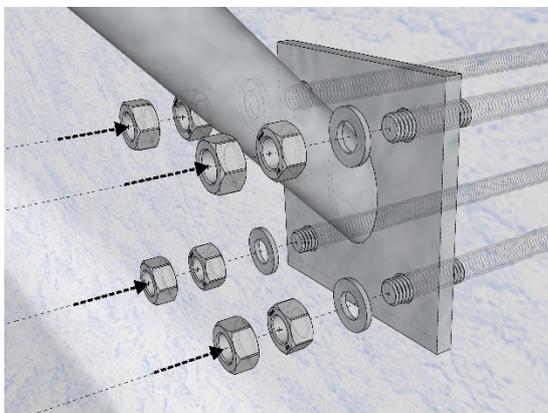


## MOUNTING INSTRUCTION

- i** Add side strut **GR120-14-P47** for additional support of the main pole **GR120-14-P42**.  
Central pole distance between side strut and main pole should be min.57mm/ Check on spot

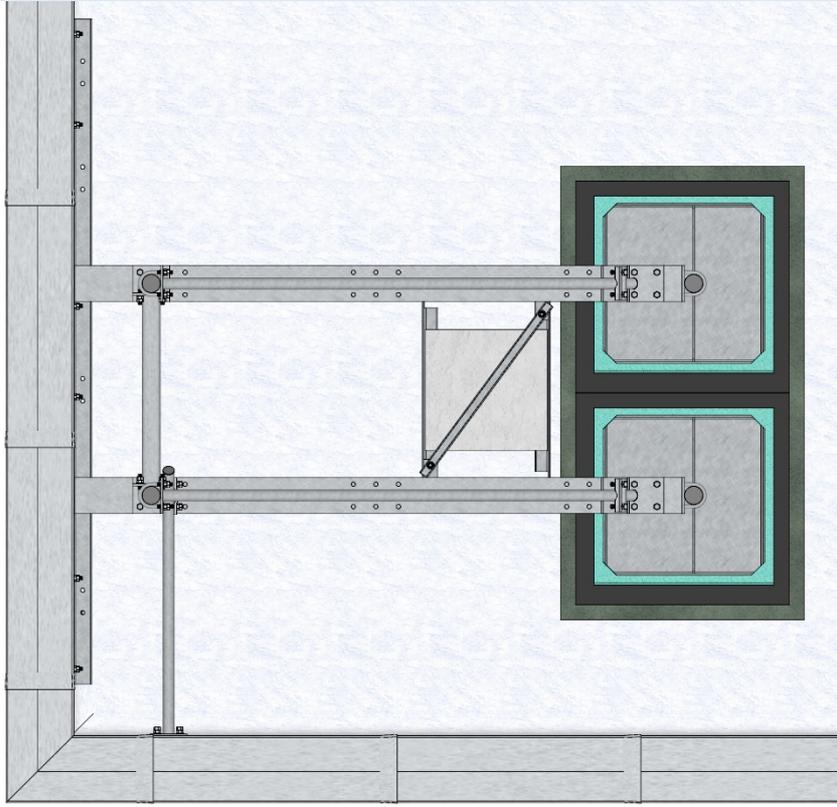


- i** Attach main part of the side strut **GR120-14-P47** to well-prepared chemical anchors on the wall;  
Joint side strut **GR120-14-P47** with **GR120-15-P51** support attached on the main pole.

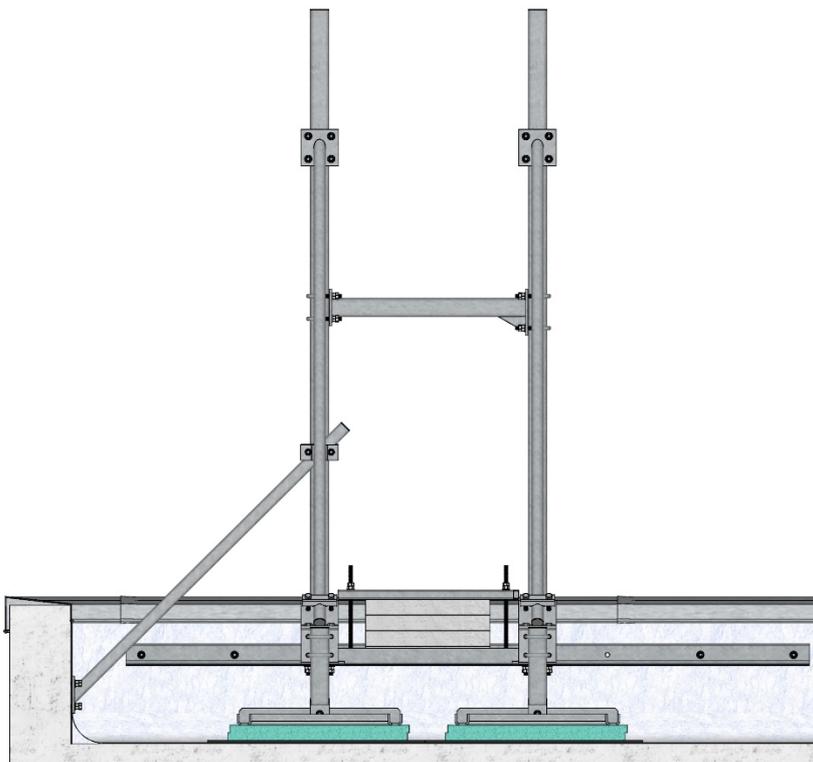


## 9. LAYOUT DRAWING

**i** Top view



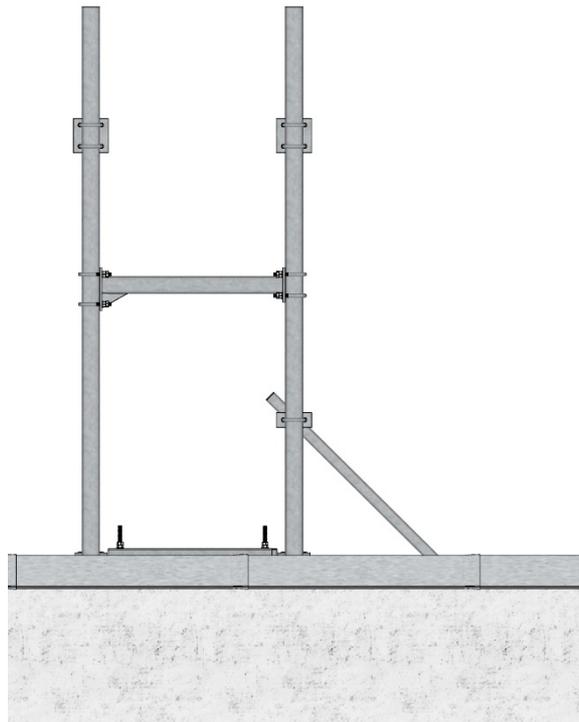
**i** Back view



## MOUNTING INSTRUCTION

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**i** Front view



**i** Side view

