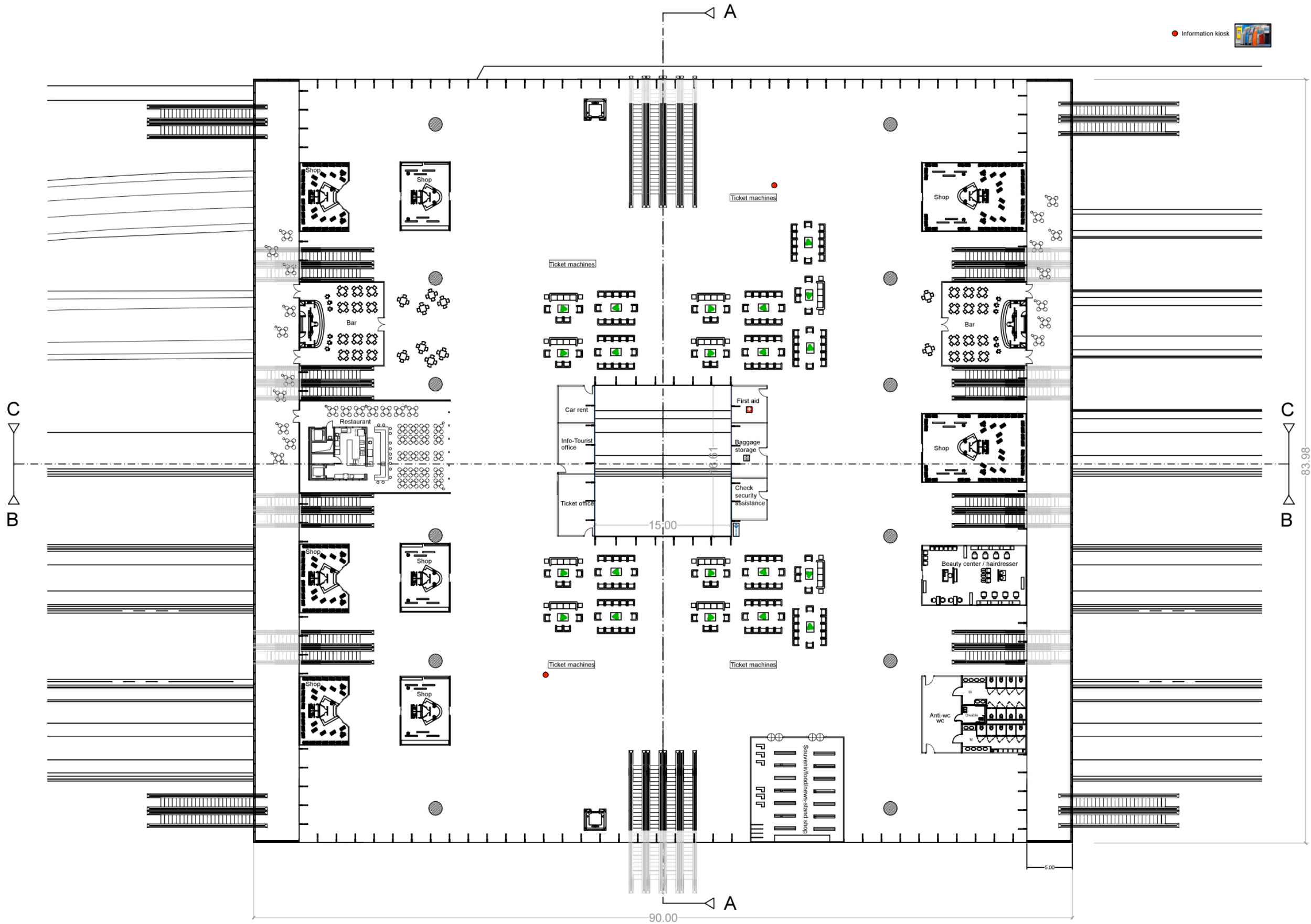




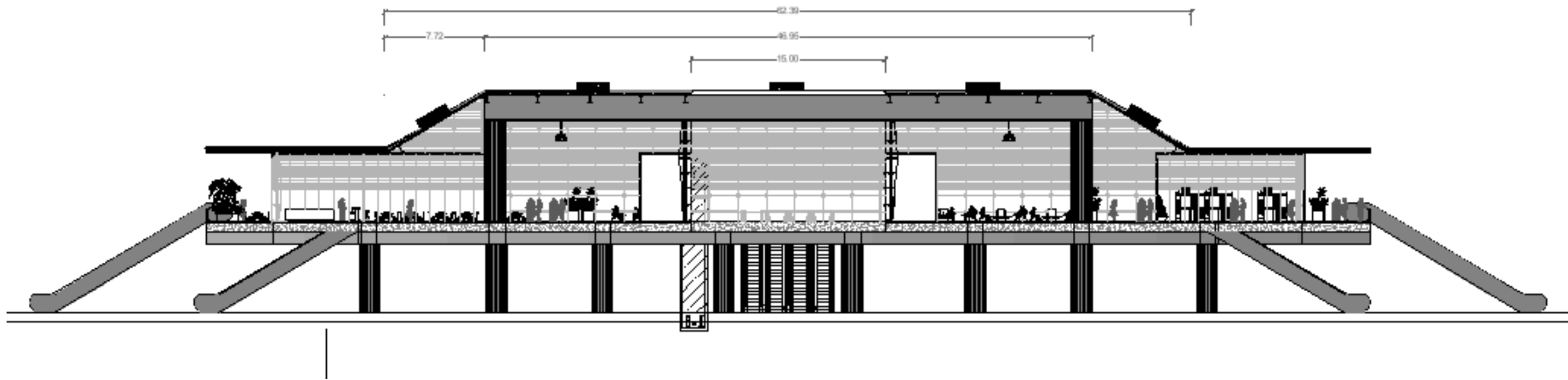
BARICENTRALE

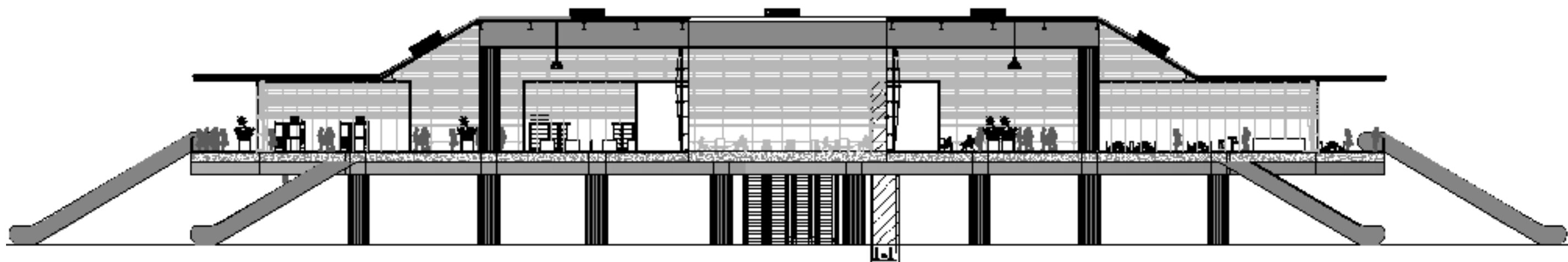
RAILWAY CORRIDOR

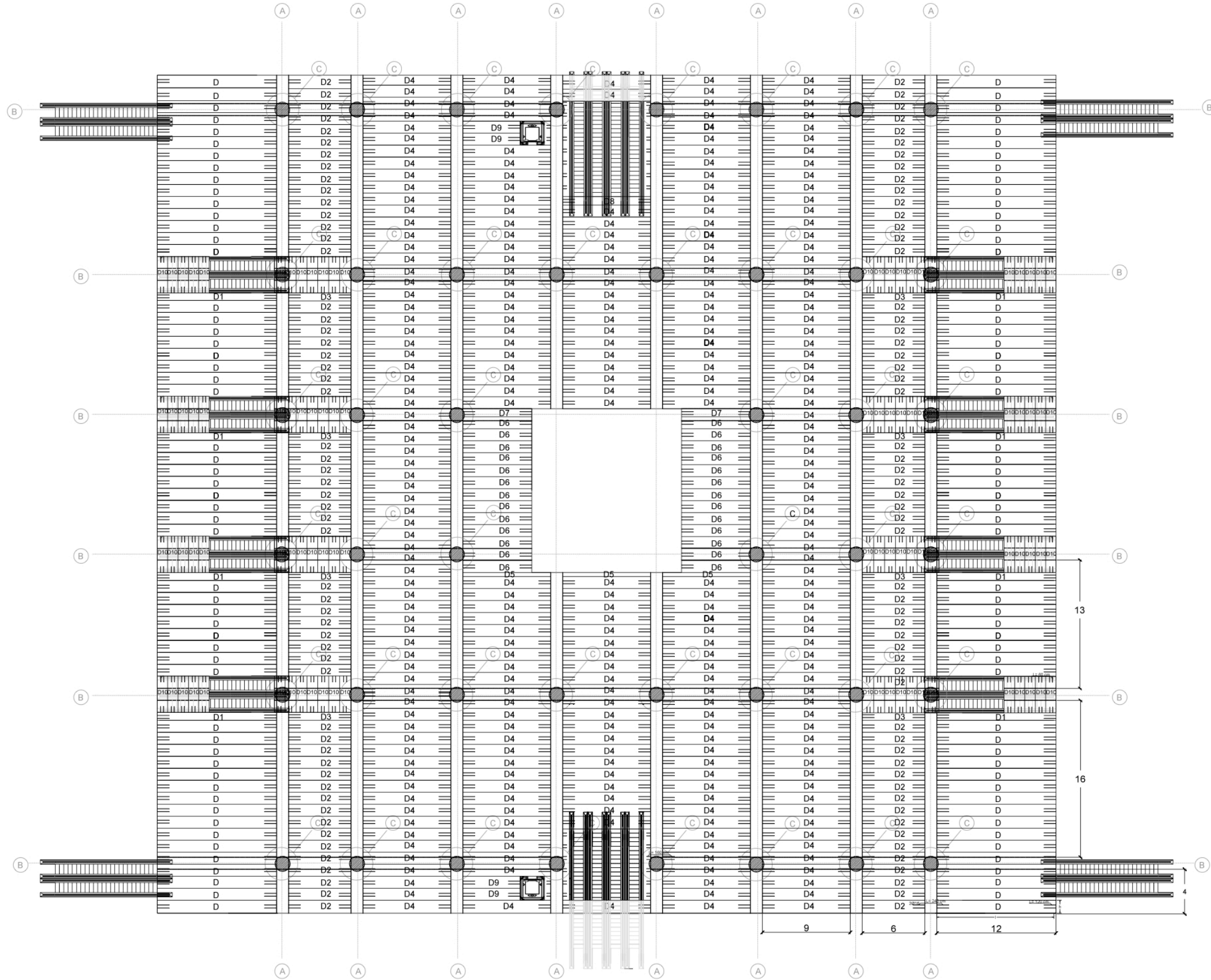


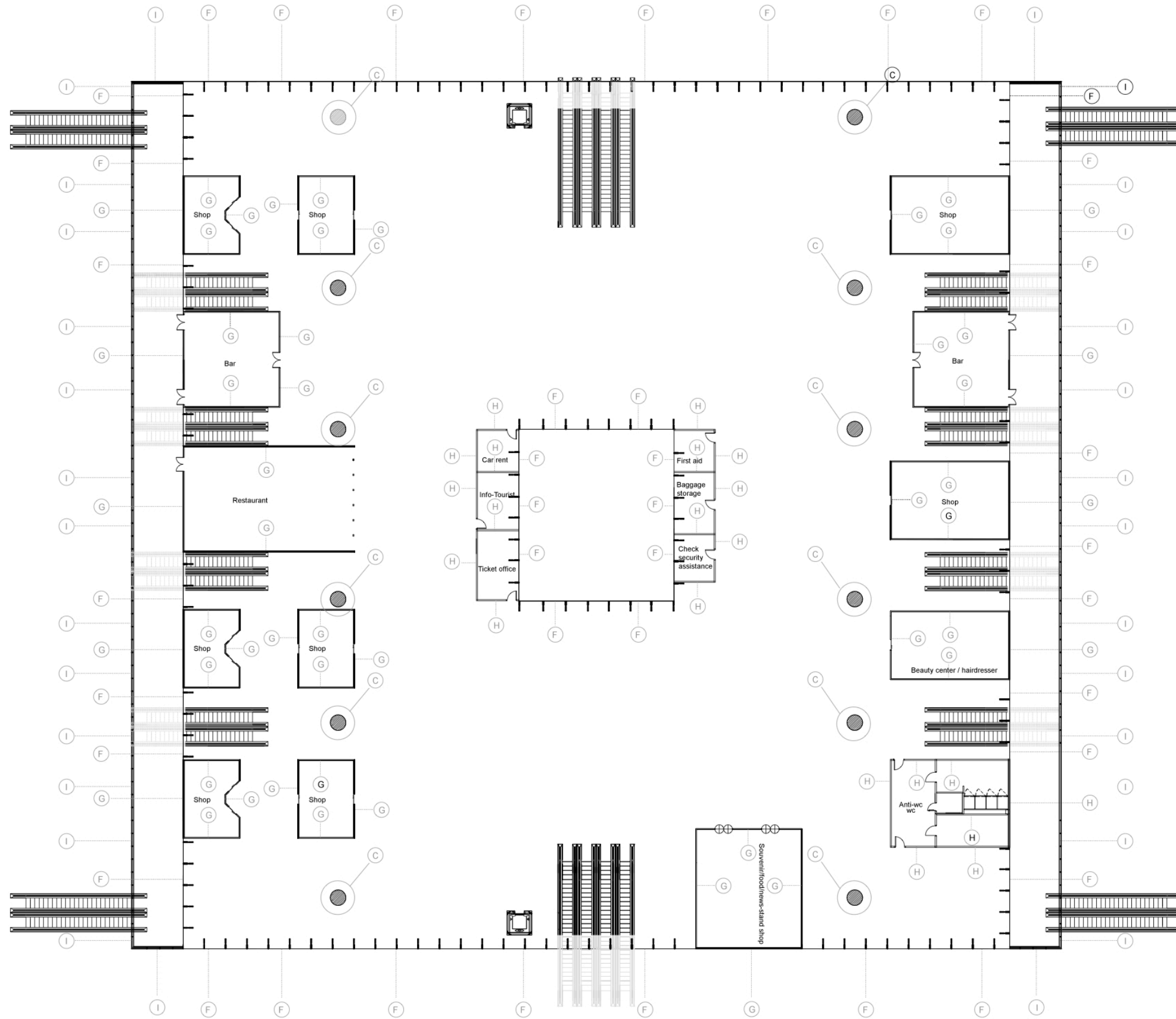












(A) Reinforced concrete beam C 60/75
and Fe B450C
b=120 cm, h= 67.5 cm (inside the
slab) + 95 cm

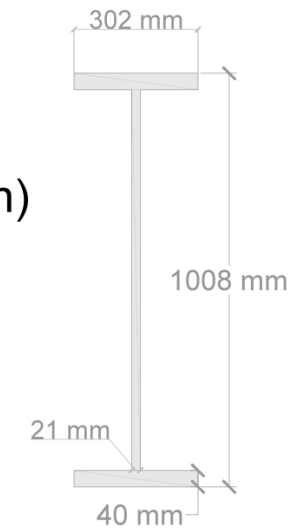
(B) Reinforced concrete beam C 60/75
and Fe B450C
b=120 cm, h=95 cm

(C) Reinforced concrete column C 60/75
and Fe B450C
r=75 cm, $\varnothing=150$ cm, h= 5,3 m

(E) Reinforced concrete column C 60/75
and Fe B450C
r=75 cm, $\varnothing=150$ cm, h= 8 m

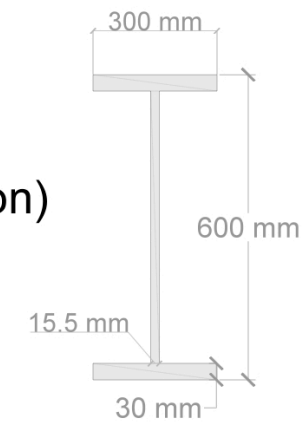
(L) Steel beam S 235
HE 1000 M
(Painted for fire protection)

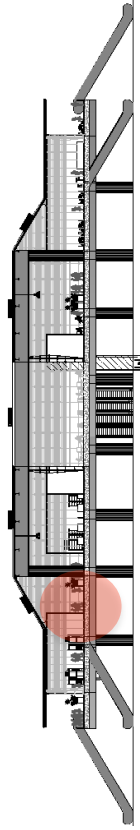
G = 349 Kg/m
I = 722300 cm⁴



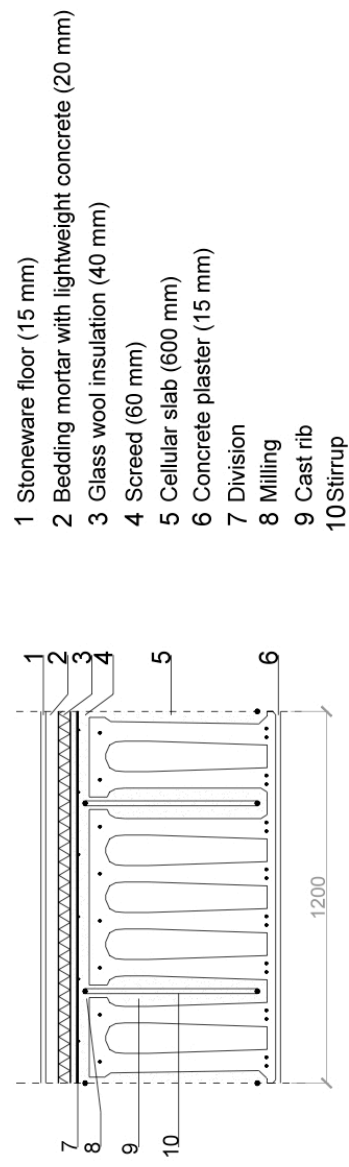
(N) Steel beam S 235
HE 600 B
(Painted for fire protection)

G = 212 Kg/m
I = 171000 cm⁴



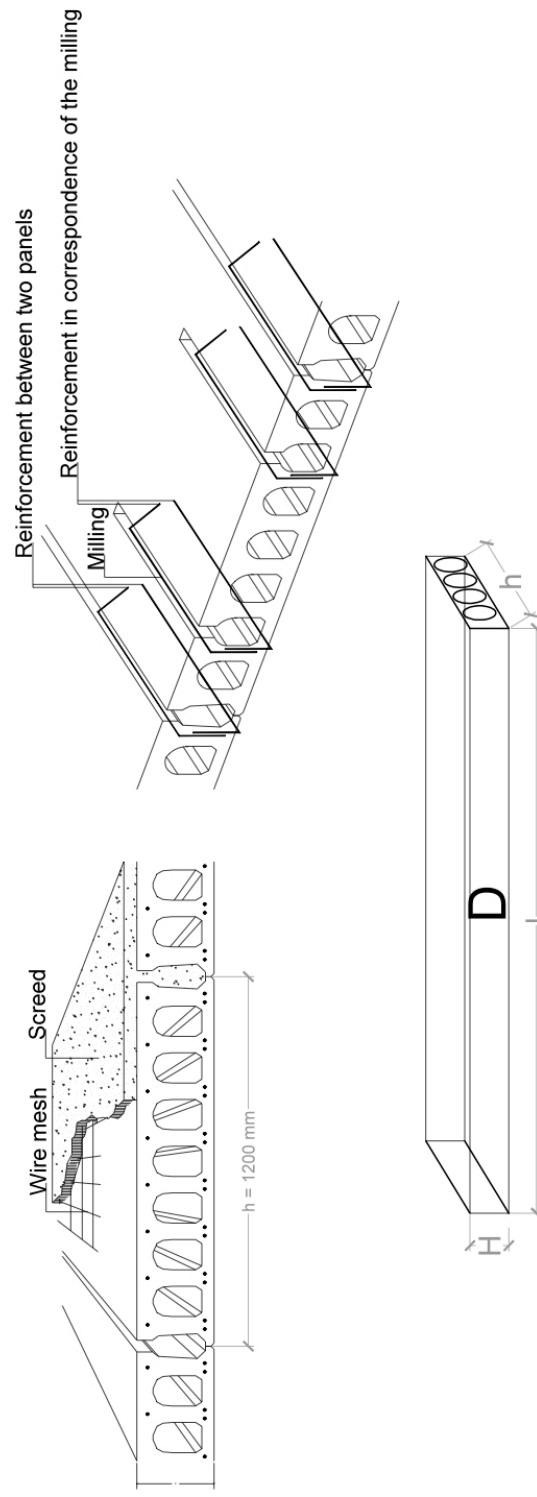


D Prefabricated cellular slab C60/75

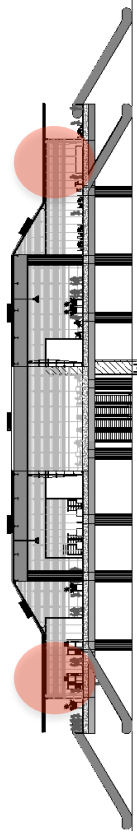


General cellular slab panel

Reinforcement position

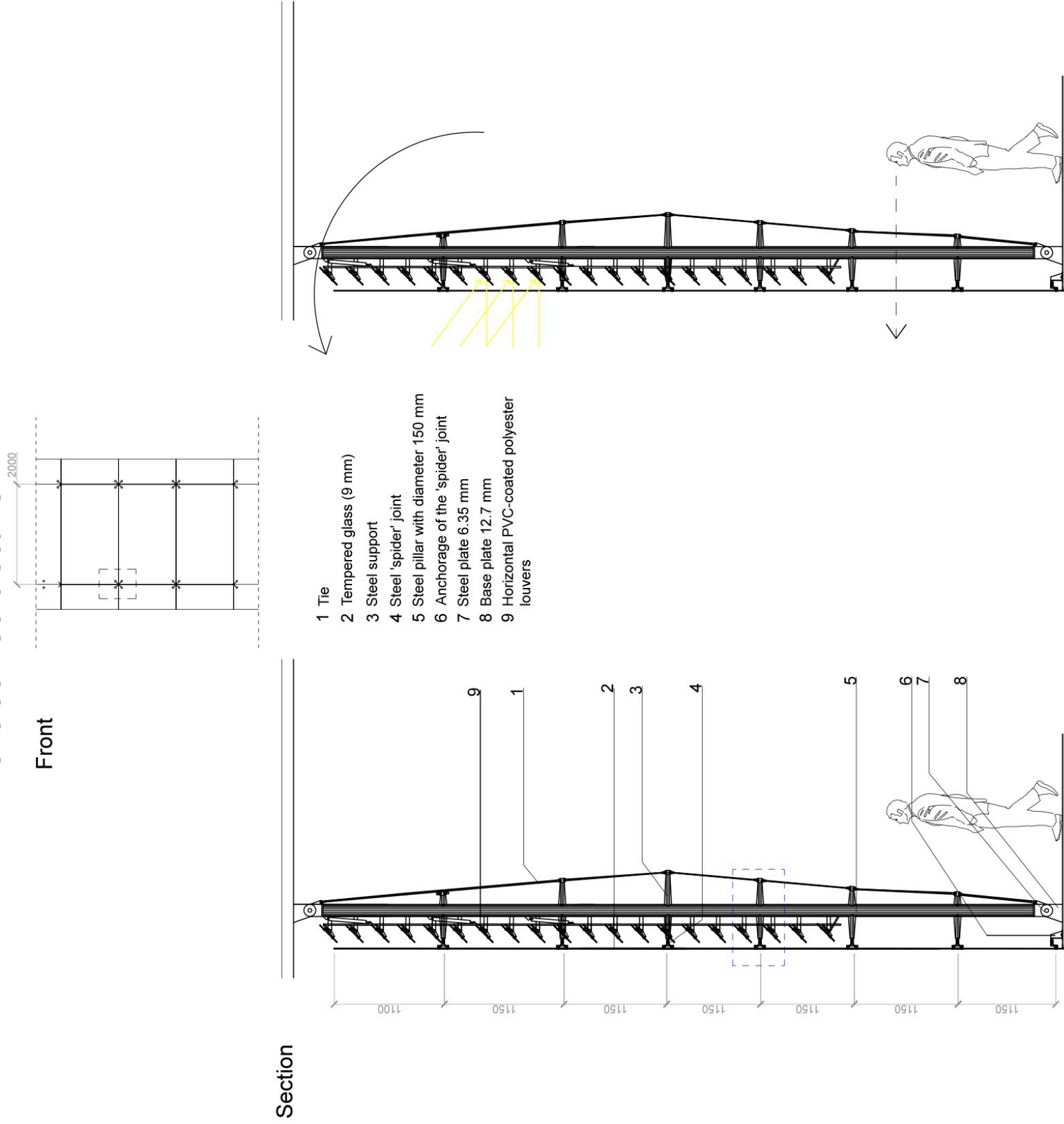


- | | |
|---|--|
| <p>(D) Prefabricated cellular slab C 60/75 and Fe B450C
H= 600 mm
l= 12000 mm, h= 1200 mm</p> | <p>(D6) Prefabricated cellular slab C 60/75 and Fe B450C
H= 600 mm
l= 6900 mm, h= 1200 mm</p> |
| <p>(D1) Prefabricated cellular slab C 60/75 and Fe B450C
H= 600 mm
l= 12000 mm, h= 750 mm</p> | <p>(D7) Prefabricated cellular slab C 60/75 and Fe B450C
H= 600 mm
l= 6900 mm, h= 800 mm</p> |
| <p>(D2) Prefabricated cellular slab C 60/75 and Fe B450C
H= 600 mm
l= 6200 mm, h= 1200 mm</p> | <p>(D8) Prefabricated cellular slab C 60/75 and Fe B450C
H= 600 mm
l= 8800 mm, h= 800 mm</p> |
| <p>(D3) Prefabricated cellular slab C 60/75 and Fe B450C
H= 600 mm
l= 6200 mm, h= 750 mm</p> | <p>(D9) Prefabricated cellular slab C 60/75 and Fe B450C
H= 600 mm
l= 5700 mm, h= 1200 mm</p> |
| <p>(D4) Prefabricated cellular slab C 60/75 and Fe B450C
H= 600 mm
l= 8800 mm, h= 1200 mm</p> | <p>(D10) Prefabricated cellular slab C 60/75 and Fe B450C
H= 600 mm
l= 3640 mm, h= 1040 mm</p> |
| <p>(D5) Prefabricated cellular slab C 60/75 and Fe B450C
H= 600 mm
l= 8800 mm, h= 400 mm</p> | |



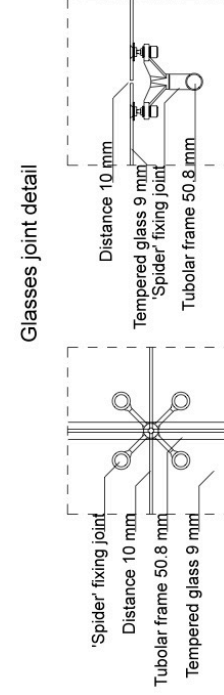
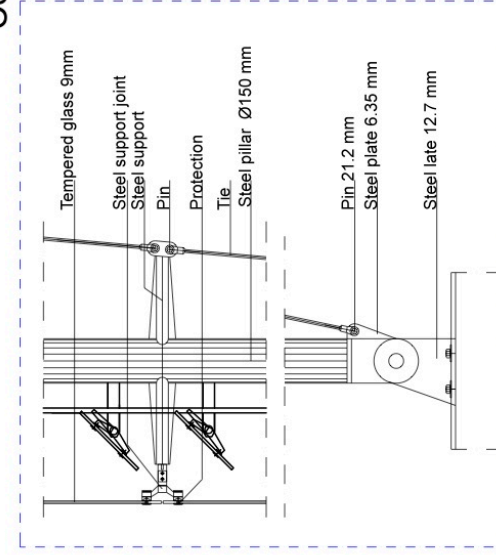
F

External glass panels with 'spider' joints and horizontal operable louvers fixed to the vertical structure

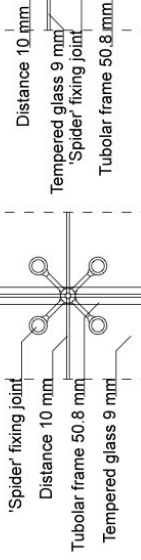


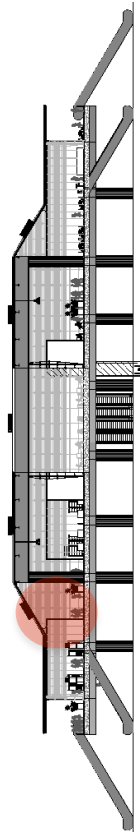
- 1 Tie
- 2 Tempered glass (9 mm)
- 3 Steel support
- 4 Steel 'spider' joint
- 5 Steel pillar with diameter 150 mm
- 6 Anchorage of the 'spider' joint
- 7 Steel plate 6.35 mm
- 8 Base plate 12.7 mm
- 9 Horizontal PVC-coated polyester louvers

Construction details

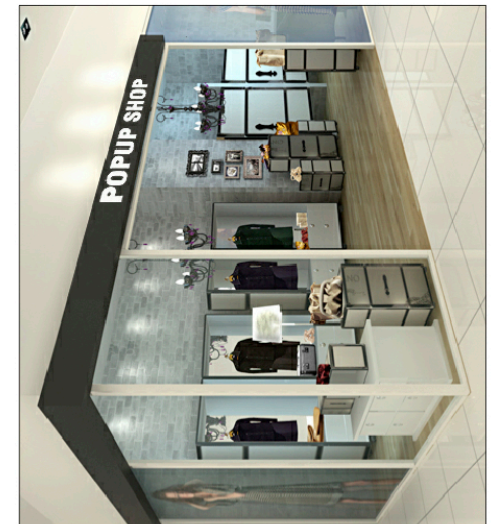
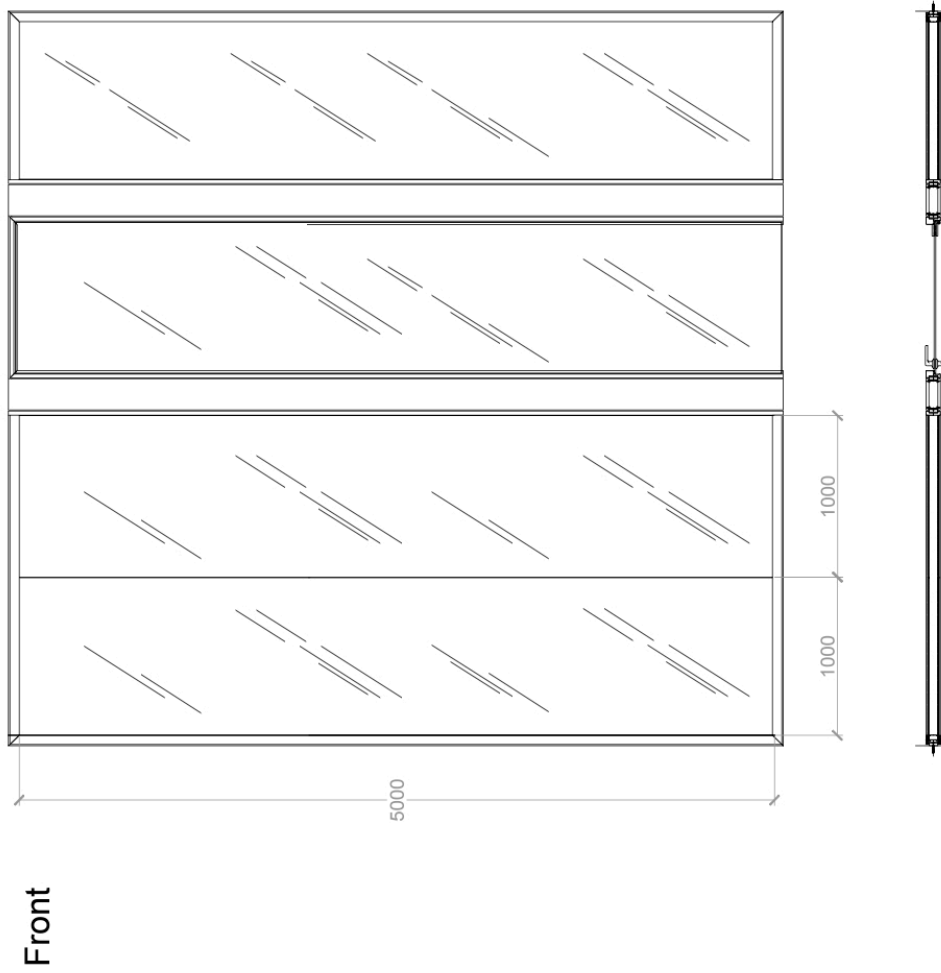
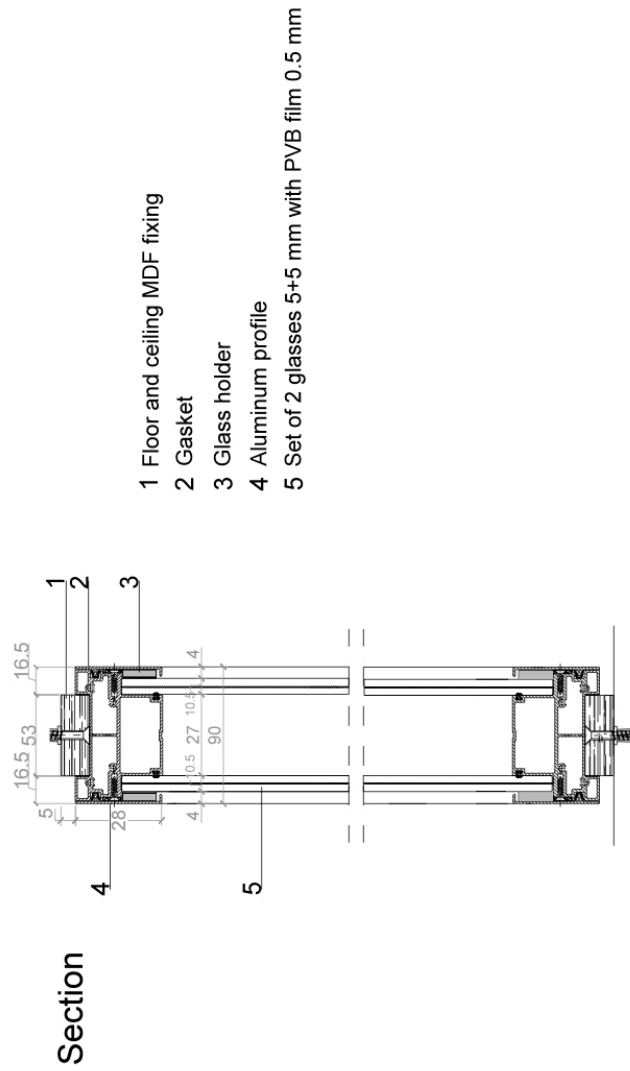


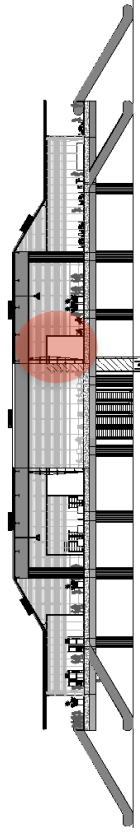
Glasses joint detail



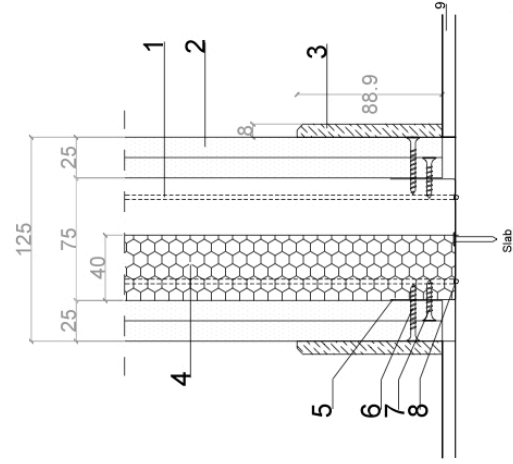


G Internal glass wall (glass box)



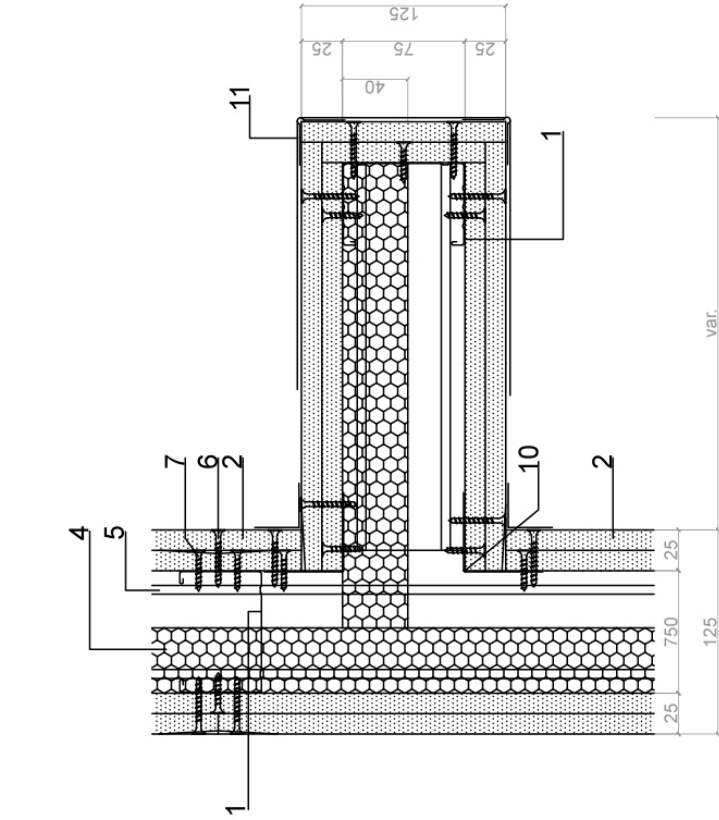


H Plasterboard wall and ceiling

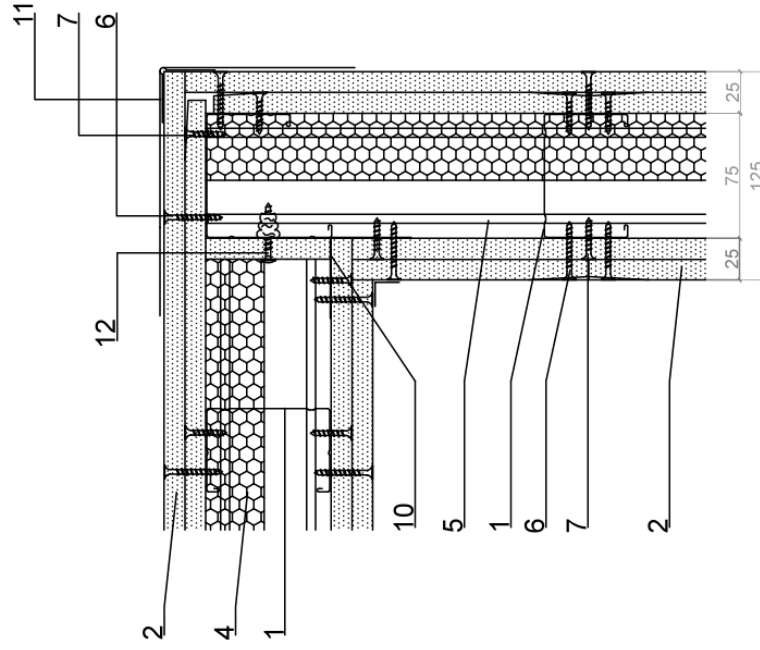


- 1 C profile 50x75x0.6 mm
- 2 Plasterboard panel (12.5 mm)
- 3 Stoneware skirting
- 4 Insulating blanket (40 mm)
- 5 U profile 50x75x0.6 mm
- 6 Self-drilling screw 212/35
- 7 Self-drilling screw 212/25
- 8 Acoustic topping
- 9 Stoneware floor (15 mm)

Corners

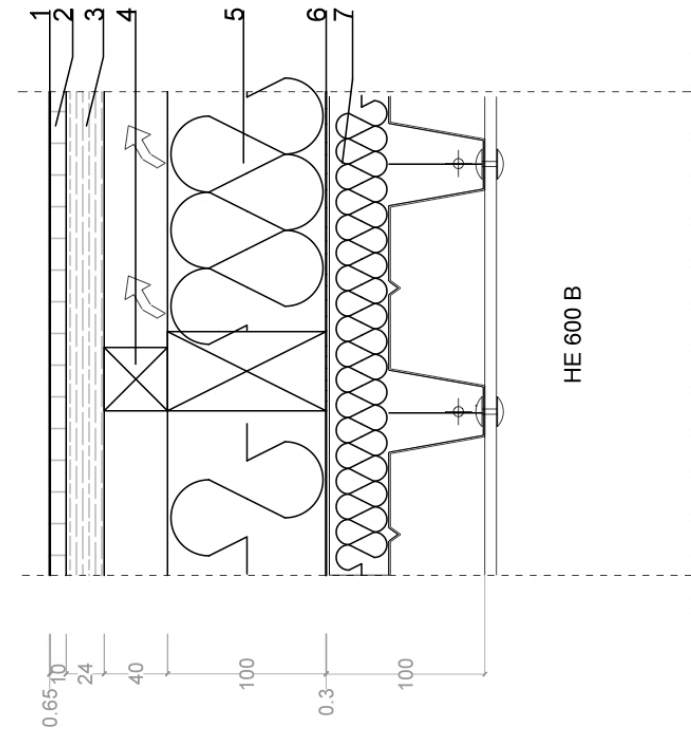


- 1 C profile 50x75x0.6 mm
- 2 Plasterboard panel (12.5 mm)
- 4 Insulating blanket (40 mm)
- 5 U profile 50x75x0.6 mm
- 6 Self-drilling screw 212/35
- 7 Self-drilling screw 212/25
- 10 Angular profile 50x50x0.6 mm
- 11 Steel edge protection 31x31x0.6 mm
- 12 Dowel and plaster screw

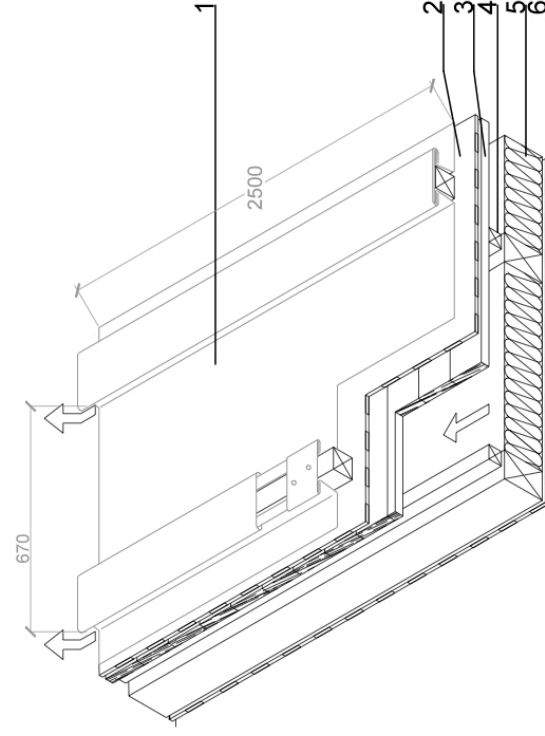


- 1 C profile 50x75x0.6 mm
- 2 Plasterboard panel (12.5 mm)
- 4 Insulating blanket (40 mm)
- 5 U profile 50x75x0.6 mm
- 6 Self-drilling screw 212/35
- 7 Self-drilling screw 212/25
- 10 Angular profile 50x50x0.6 mm
- 11 Steel edge protection 31x31x0.6 mm
- 12 Dowel and plaster screw

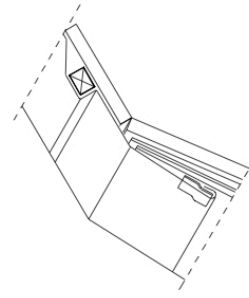
(M) Copper roof (horizontal and inclined 30° panels and layers) with steel substructure, skylights and integrated PV panels TECU* Zinn ventilated system



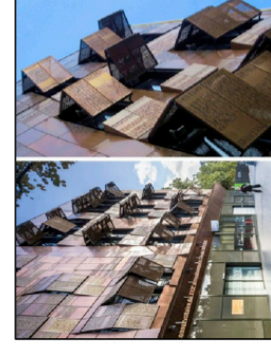
- 1 Copper panel (0.65 mm) with a single lock standing seam
- 2 Separating layer (10 mm)
- 3 Planking (24 mm)
- 4 Wooden filets for ventilation (40 mm)
- 5 Insulation and lower wooden filets (100 mm)
- 6 Vapor barrier (0.3 mm)
- 7 Sandwich planking (100 mm)



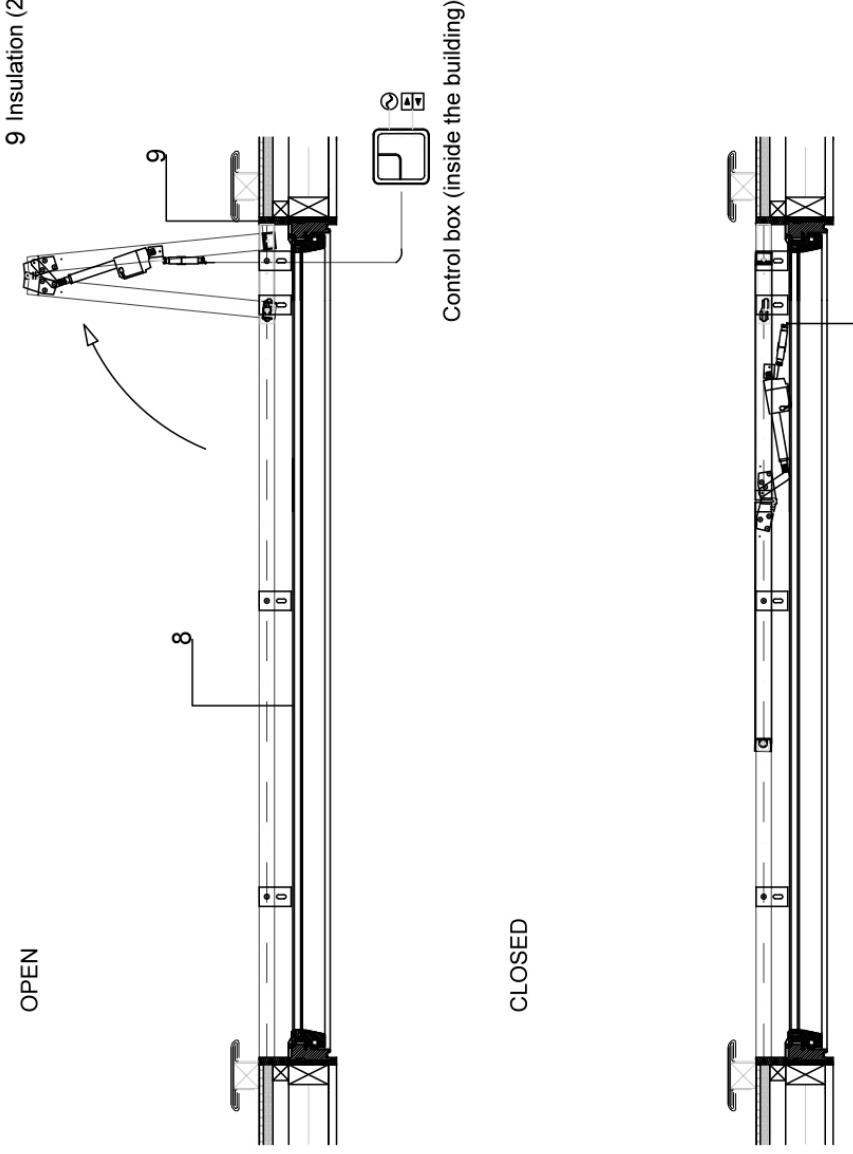
Detail change in roof slope



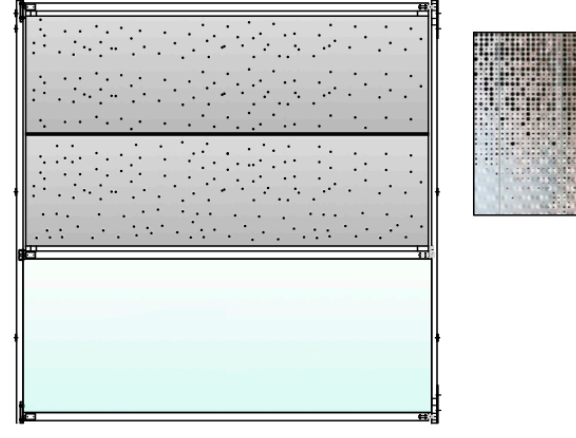
Skylights with mechanical system perforated copper panel

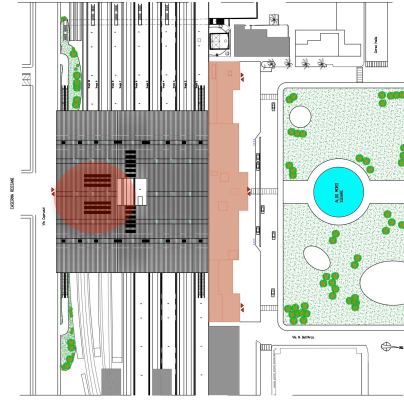


- 8 Laminated glass (25 mm)
- 9 Insulation (20 mm)

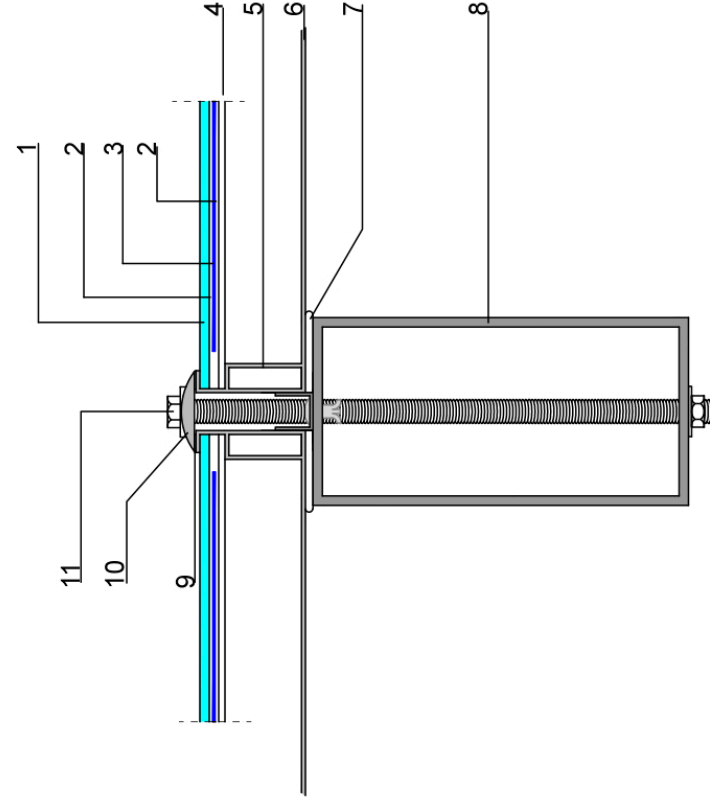
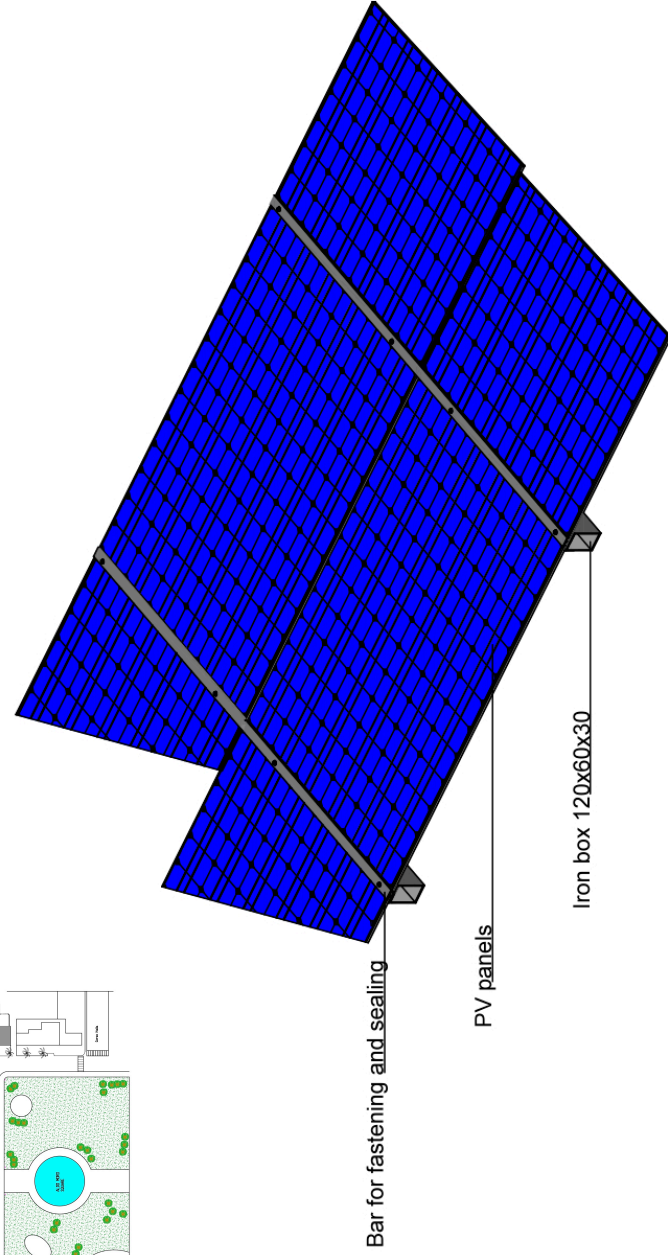


Top view (CLOSED)

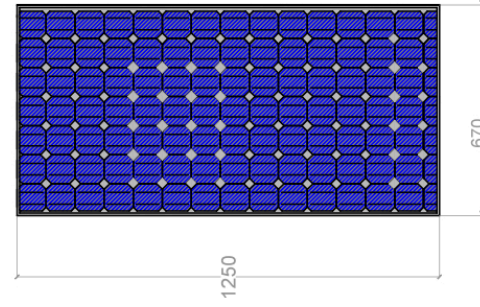




PV panels with silicon monocrystalline cells



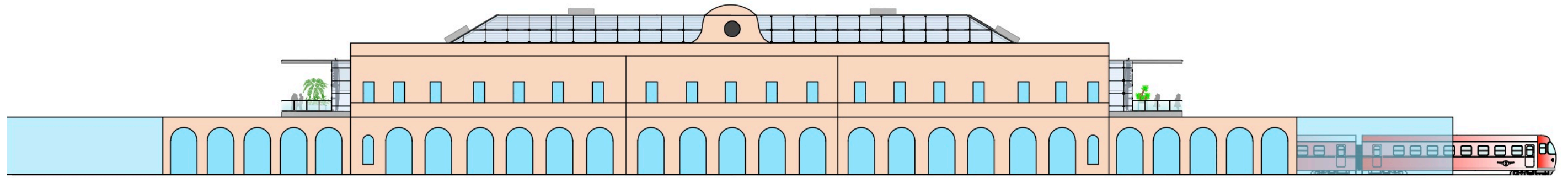
- 1 Glass (3 mm)
- 2 EVA (1 mm)
- 3 PV cell (1 mm)
- 4 Tedlar (4 mm)
- 5 Iron box inside the panel (26x 90x15 mm)
- 6 PV panel frame (14 mm)
- 7 Gasket (24 mm)
- 8 Iron box (120x60x30 mm)
- 9 Gasket (0.5 mm)
- 10 Fastening and sealing profile
- 11 Threaded bar



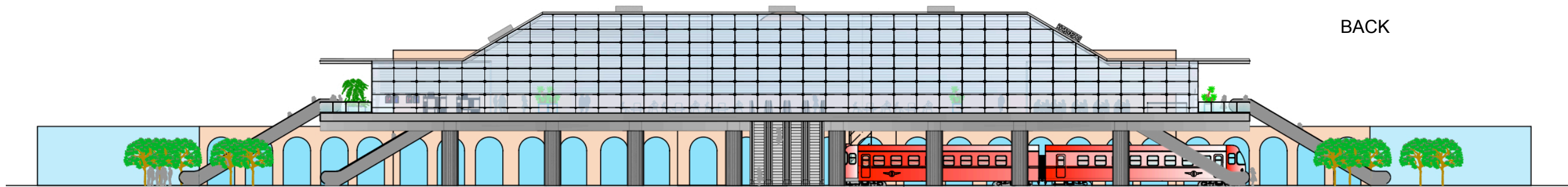
Panel characteristics

Cell	monocrystall.
Maximum voltage	600 V _{cc}
Minimum pick power	175.8 W
Dimensions (mm)	1250x670x50
Weight	17 kg
Conformity	CE, TUV
Tolerances	
Operating temperature (°C)	da -40 a + 90

FRONT



BACK



LATERAL

