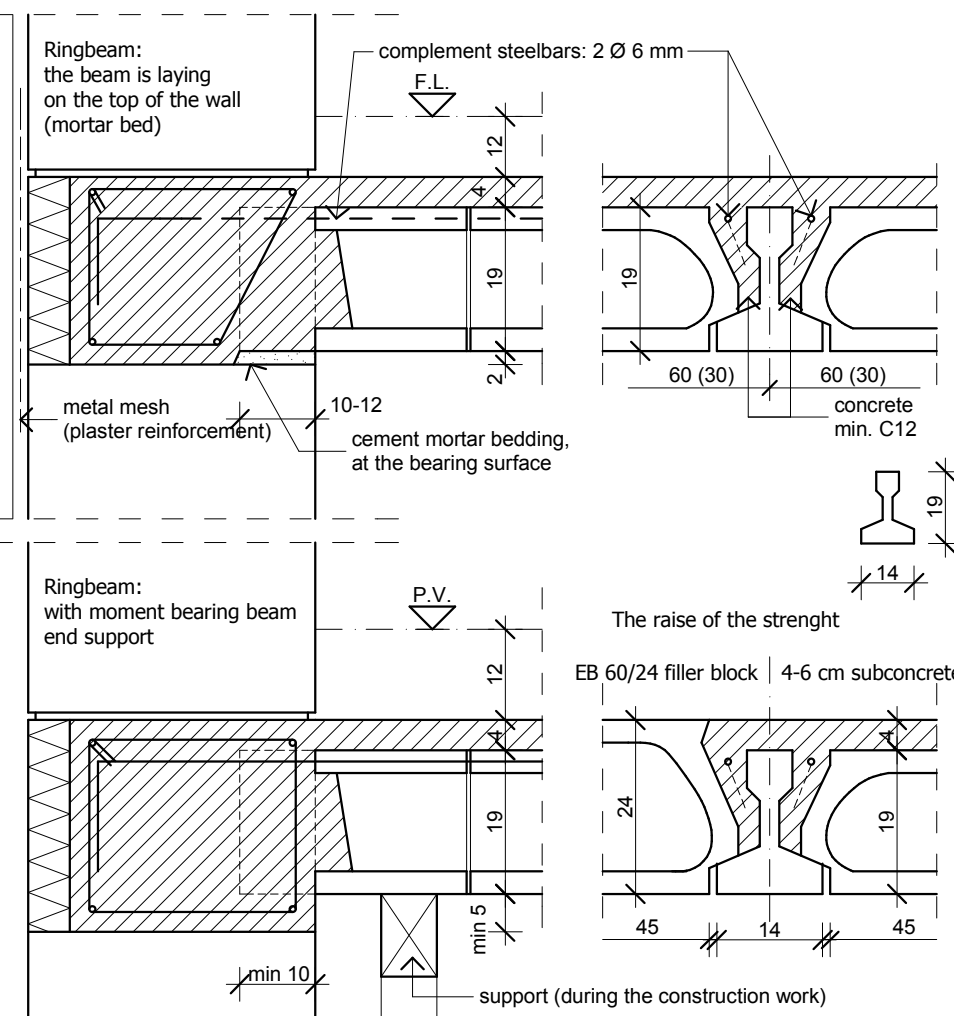


"E"- TYPE PRESTRESSED RC. FLOOR



THE RULES OF DESIGN:

- cantilever beam is forbidden!
- to cut, to grave the beams are forbidden!!
- spanning distance: 2,40-6,60m (n*60cm)
- bearing surface:
 - span < 4,80m 10cm
 - span > 4,80m 12cm
- span > 4,80m: monolithic RC: crosswise (bracing) ribs (at most: 2,0m), instead of a course of filler blocks
- final strenght: after the subconcrete

symbol: E7-24 + EB60/19 (60/24)

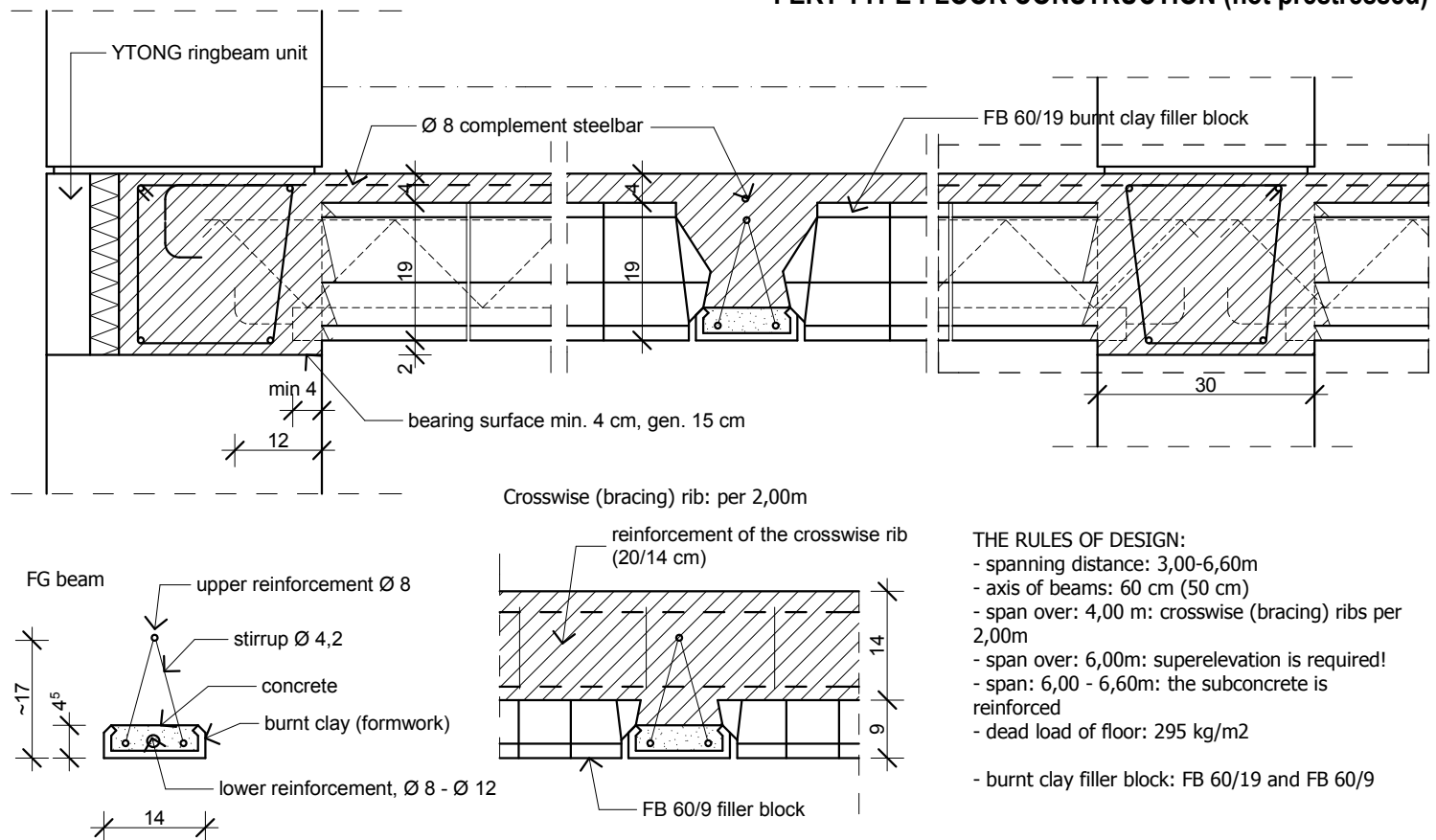
type

filler block: width/height

spanning distance (dm)

the number of the stressed steelbars

FERT TYPE FLOOR CONSTRUCTION (not prestressed)

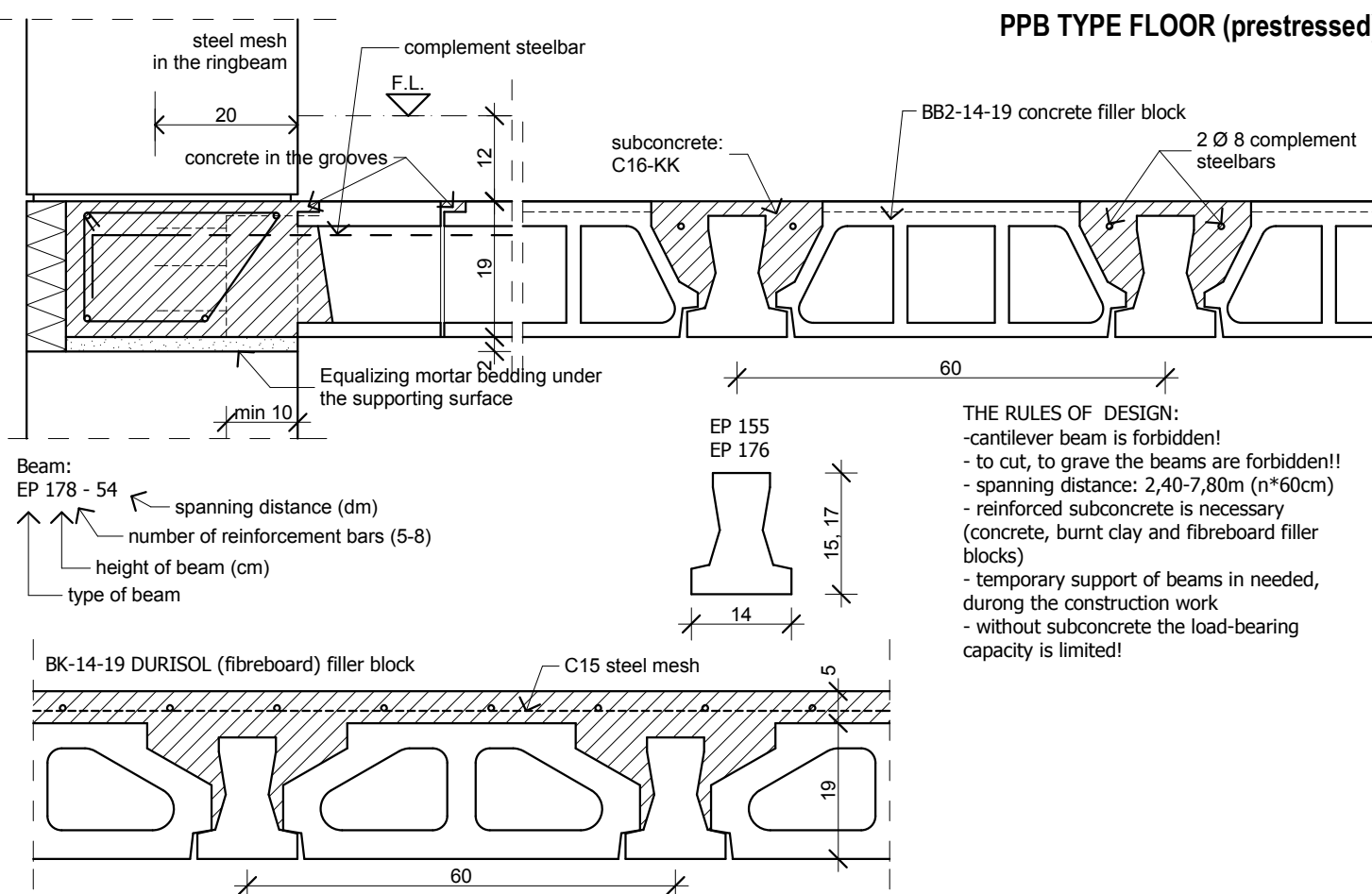


THE RULES OF DESIGN:

- spanning distance: 3,00-6,60m
- axis of beams: 60 cm (50 cm)
- span over: 4,00 m: crosswise (bracing) ribs per 2,00m
- span over: 6,00m: superelevation is required!
- span: 6,00 - 6,60m: the subconcrete is reinforced
- dead load of floor: 295 kg/m2

- burnt clay filler block: FB 60/19 and FB 60/9

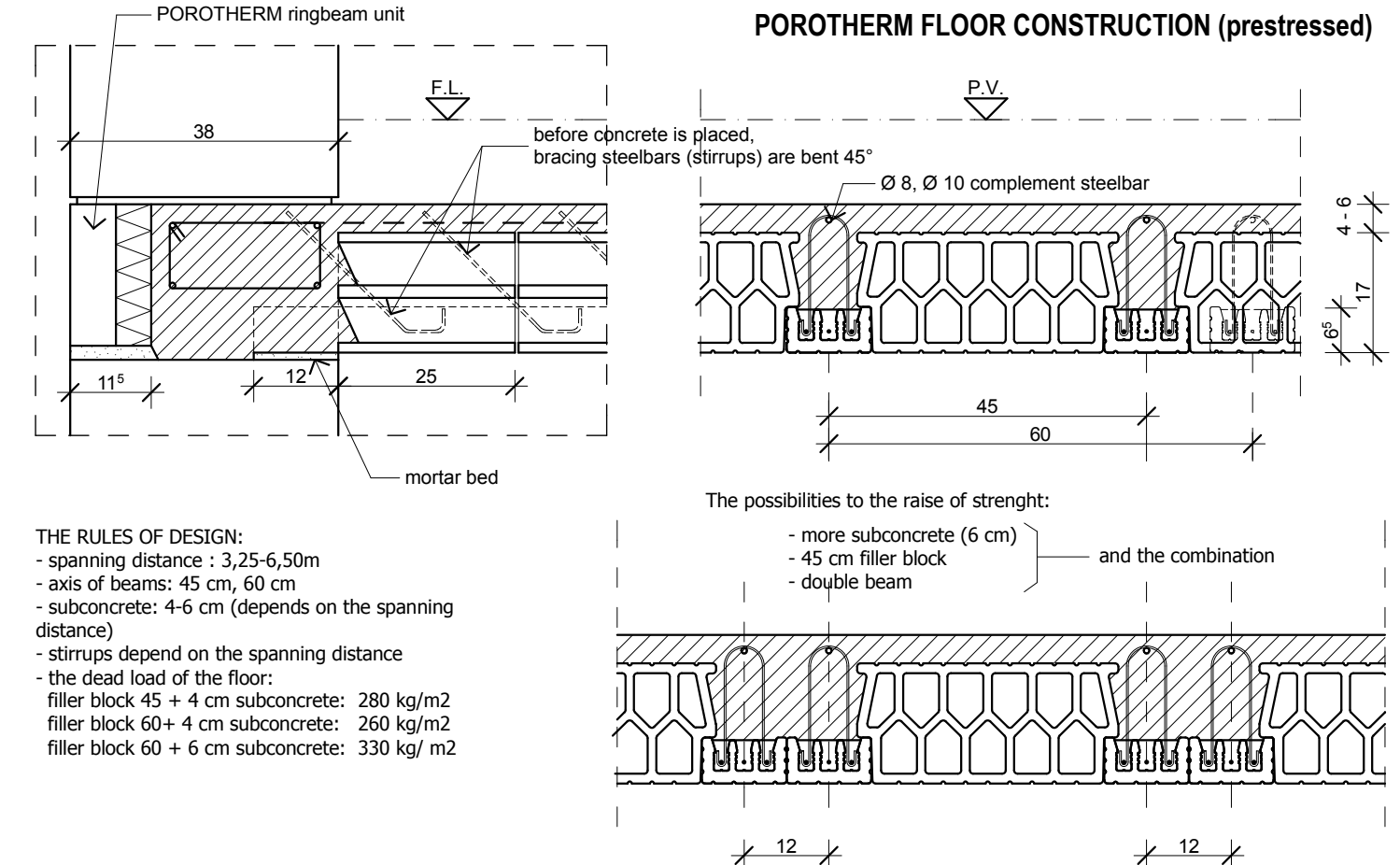
PPB TYPE FLOOR (prestressed)



THE RULES OF DESIGN:

- cantilever beam is forbidden!
- to cut, to grave the beams are forbidden!!
- spanning distance: 2,40-7,80m (n*60cm)
- reinforced subconcrete is necessary (concrete, burnt clay and fibreboard filler blocks)
- temporary support of beams in needed, during the construction work
- without subconcrete the load-bearing capacity is limited!

POROTHERM FLOOR CONSTRUCTION (prestressed)



THE RULES OF DESIGN:

- spanning distance : 3,25-6,50m
- axis of beams: 45 cm, 60 cm
- subconcrete: 4-6 cm (depends on the spanning distance)
- stirrups depend on the spanning distance
- the dead load of the floor:
 - filler block 45 + 4 cm subconcrete: 280 kg/m2
 - filler block 60 + 4 cm subconcrete: 260 kg/m2
 - filler block 60 + 6 cm subconcrete: 330 kg/m2