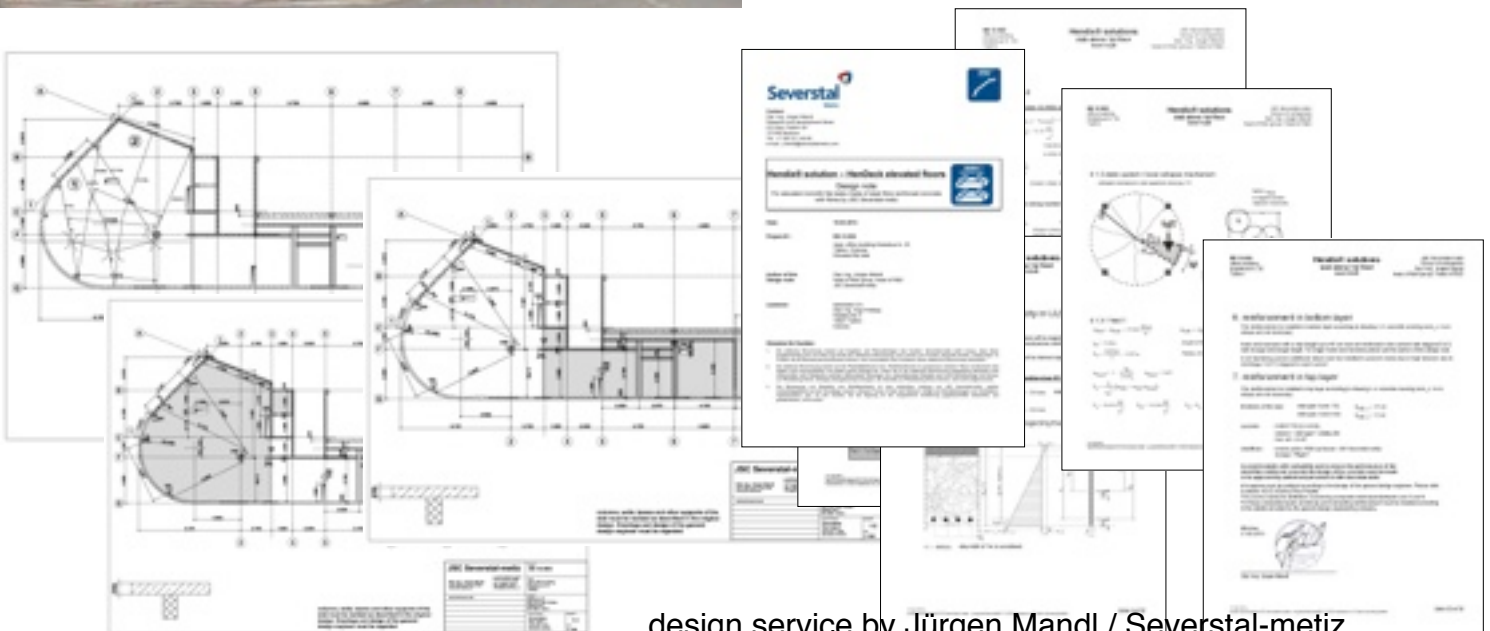


Project: Kotzebue office+apartment complex,
Tallinn, Estonia
Hendeck™ elevated floors
April-July 2013

9-floor building with 10 elevated slabs made of steel fibre reinforced concrete (sfrc), incl. Galerie and roof slab. The floors are realized partly with precast elements in the regular areas which are combined with a monolithic solution with sfrc in unregular areas.



- 10 elevated floors (incl. galery) made of steel fiber reinforced concrete and Anti-Progressive-collapse-reinforcement
- d=250mm (originally 280mm with traditional solution)
- concrete: adapted C30/37 XC1 F6 GK16
- fiber content: 70kg/m3 of Hendix prime 75/52



design service by Jürgen Mandl / Severstal-metiz
Design done according to DIN-standards on steel fiber reinforced concrete with regard to theory of plasticity.

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installation of APC-reinforcement in bottom layer on the day of casting concrete



bottom surface with ultra fine texture due to low viscosity of almost self compacting concrete