

Detalji međusobnih veza montažnih elemenata:

1. Temelj – stub
2. Stub – stub
3. Stub – greda
4. Greda – greda
5. Ploča - zid

Montažne AB konstrukcije

- MONTAŽNI SISTEM

Skup montažnih elemenata koji se preko međusobnih veza pretvara u konstrukcijsku celinu

- SAVREMENA PROIZVODNJA

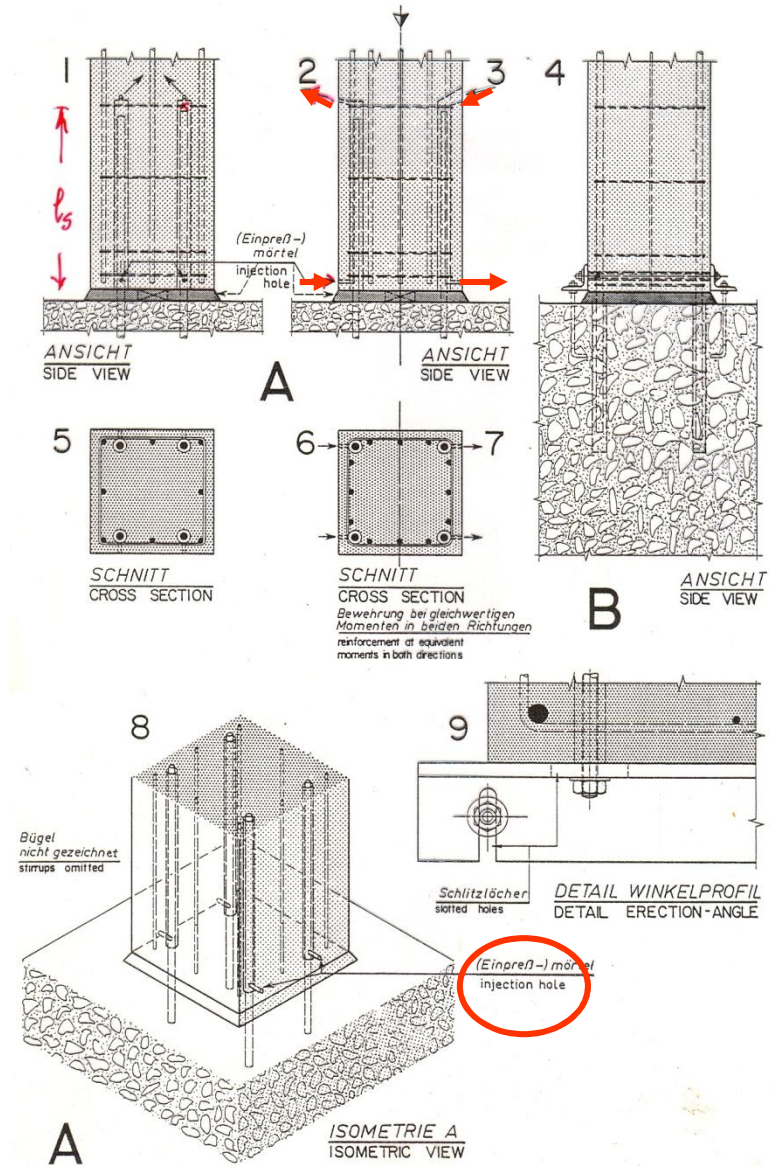
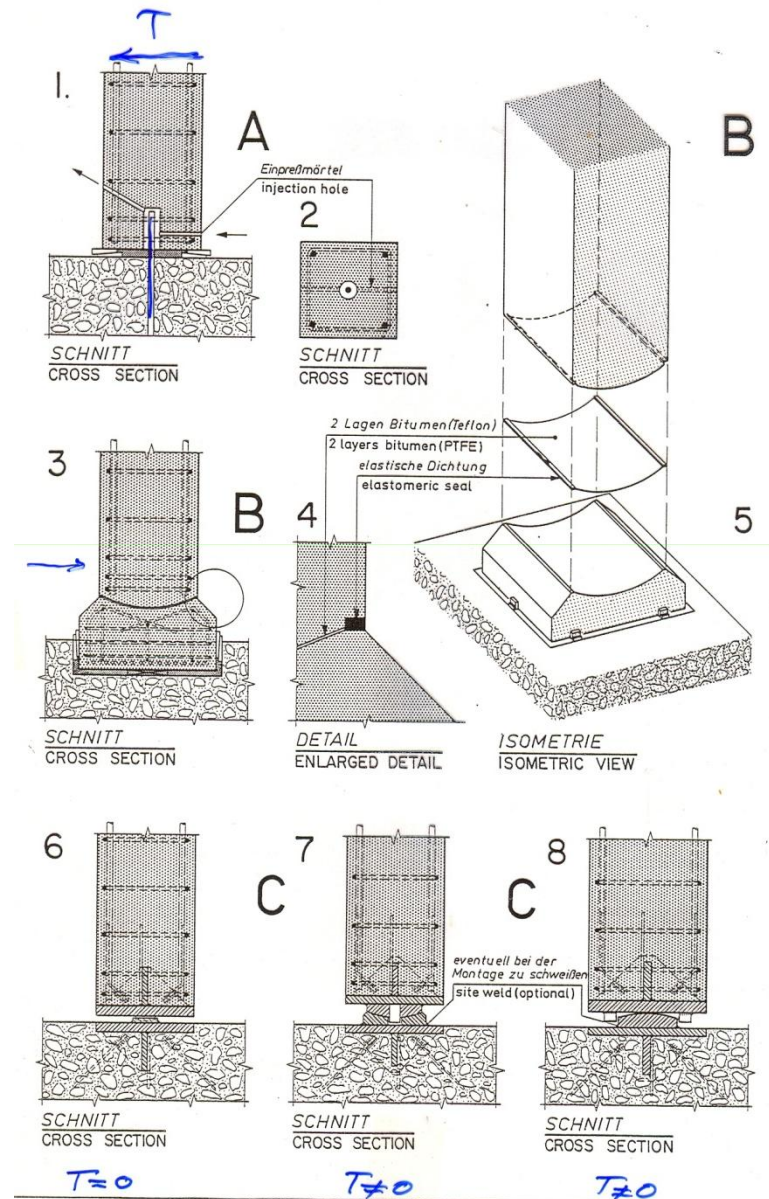
- Industrijska
- Serijska
- Proizvodnja elemenata (delova) u posebnim (fabričkim) uslovima → montaža (spajanje) na gradilištu

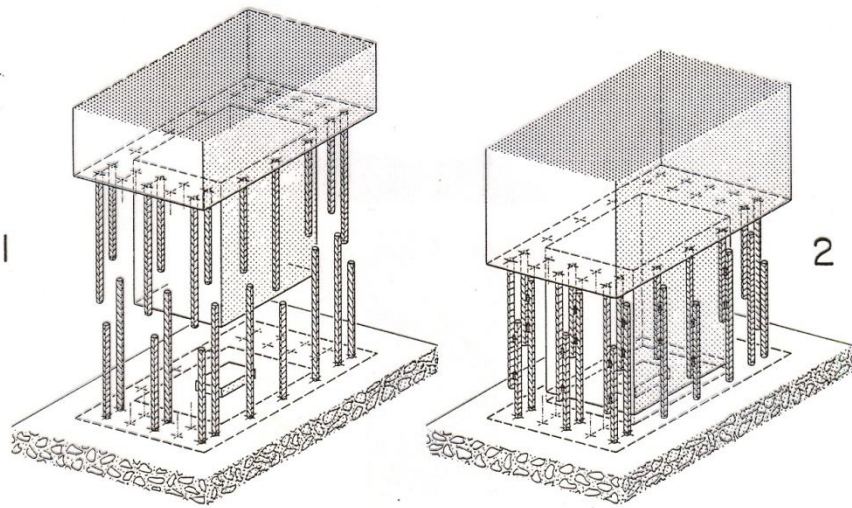
- PREDNOSTI MONTAŽNE GRADNJE
 - Manja cena pri velikim serijama
 - Manja potreba za radnom snagom
 - Prefabrikacija – veća tačnost i bolji kvalitet izrade
 - Prednaprezanje na stazi
 - Veći deo skupljanja se odvija pre ugradnje elemenata
 - Velika brzina gradnje
 - Gradnja bez oplata i skele (podupiranje)
- NEPOVOLJNOSTI MONTAŽNE GRADNJE
 - Velika početna ulaganja
 - Kvalifikovana radna snaga
 - Ograničenja u transportu
 - Izrada montažnih veza na licu mesta
 - Fazni proračun

KLASIFIKACIJA MONTAŽNIH VEZA

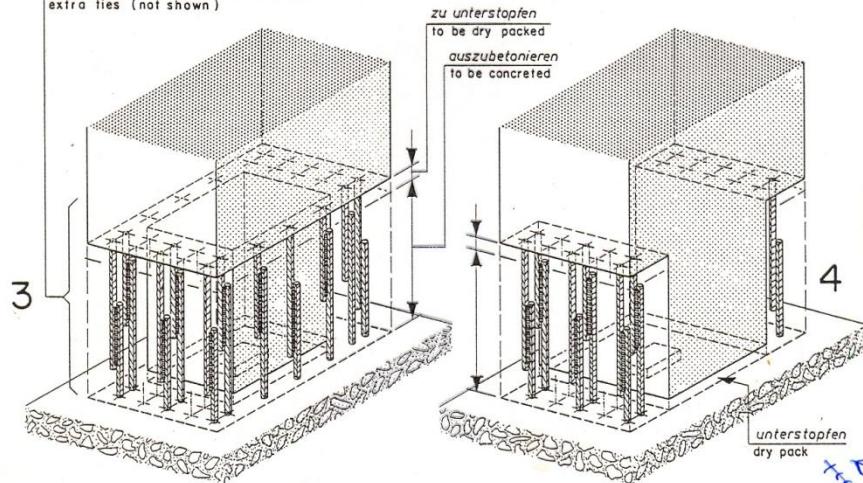
- Izvršena je klasifikacija veza na "suve" veze i veze sa betoniranjem na licu mesta.
- Termin "suva" veza ovde treba uslovno shvatiti, jer su u tu grupu, obično svrstavaju i one veze kod kojih se vrši premazivanje površina koje se spajaju, postavljanje slojeva maltera ili drugih materijala za nivelisanje i sl.
- U "suve" veze nisu svrstani oni montažni spojevi kod kojih je nužno postavljati oplatu za dobetoniranje delova montažnih elemenata u cilju pokrivanja statičke i konstruktivne armature i formiranja konačnog preseka.
- U okviru ove prve podele, montažne veze su svrstane prema statičkom kapacitetu veze, tj. prema statičkim uticajima koje veze mogu da prime i prenesu.

Detalji veze stuba i temelja

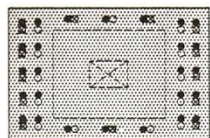




zusätzliche Bügel (nicht dargestellt)
extra ties (not shown)

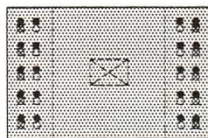


5



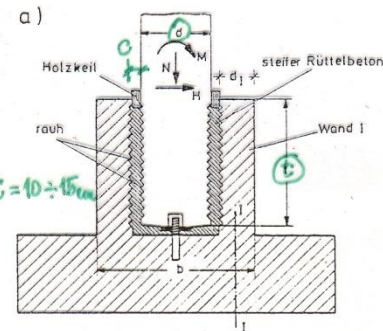
SCHNITT
CROSS SECTION

○ lange Verankerungs-
stäbe aus dem Fundament
long starter bars
× kurze Verankerungs-
stäbe aus dem Fundament
short starter bars
• Stützenbewehrung
column bars



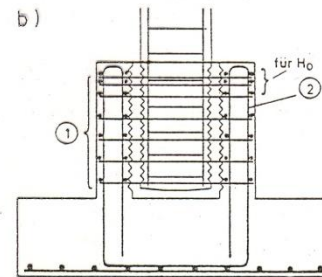
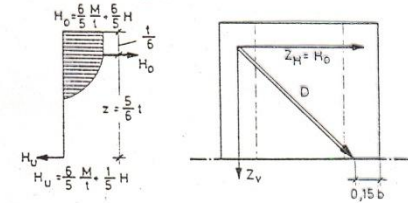
SCHNITT
CROSS SECTION

6

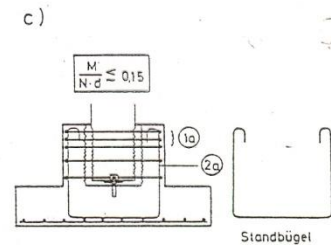
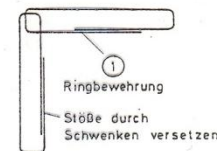
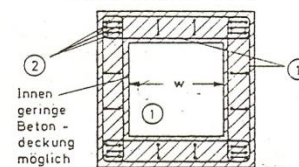


$$t = 1,5d; \frac{M}{N \cdot d} \leq 0,15$$

$$t = 2,0d; \frac{M}{N \cdot d} \geq 2,0$$



Schnitt durch den Becher



Standbügel

Schnitt durch den Becher

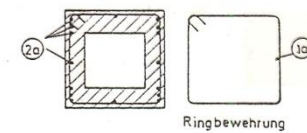
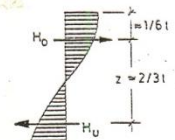
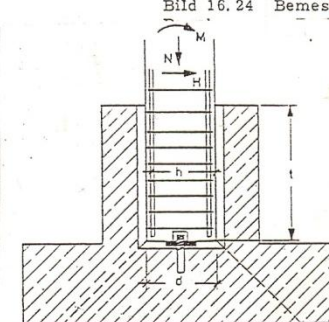
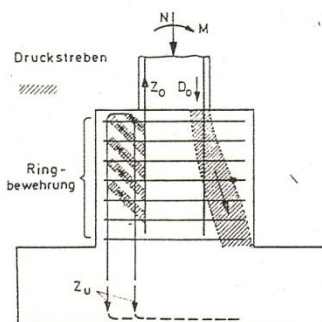


Bild 16.24 Bemessungsannahmen und



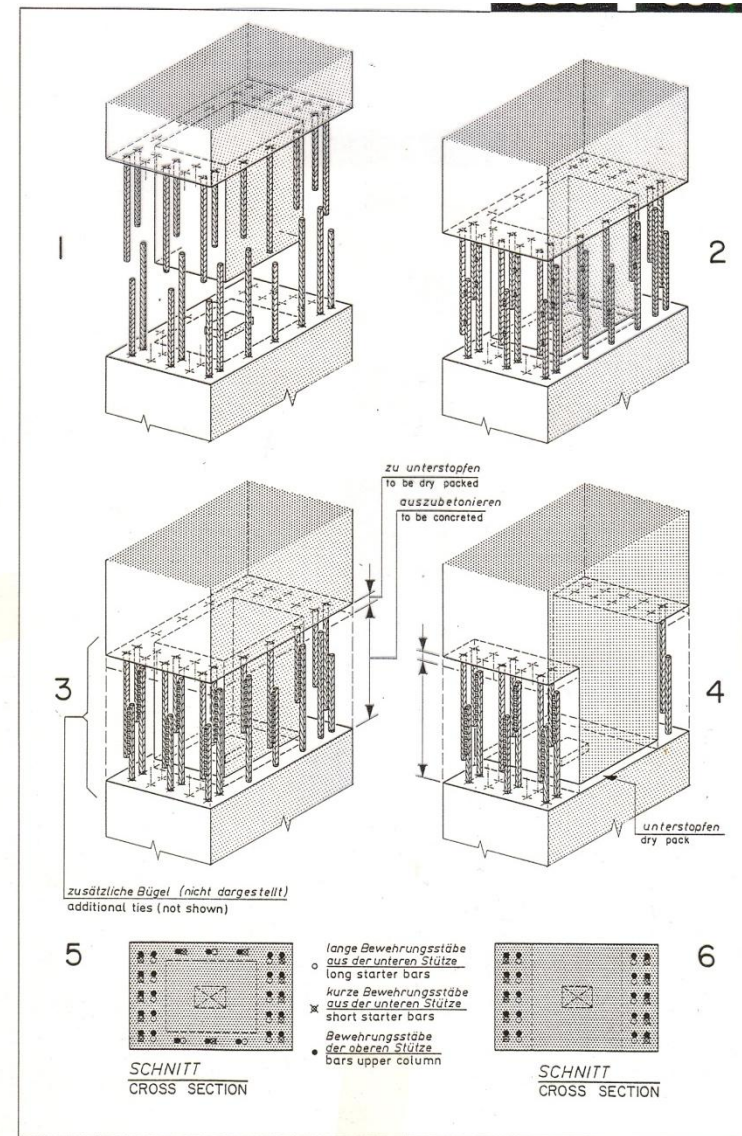
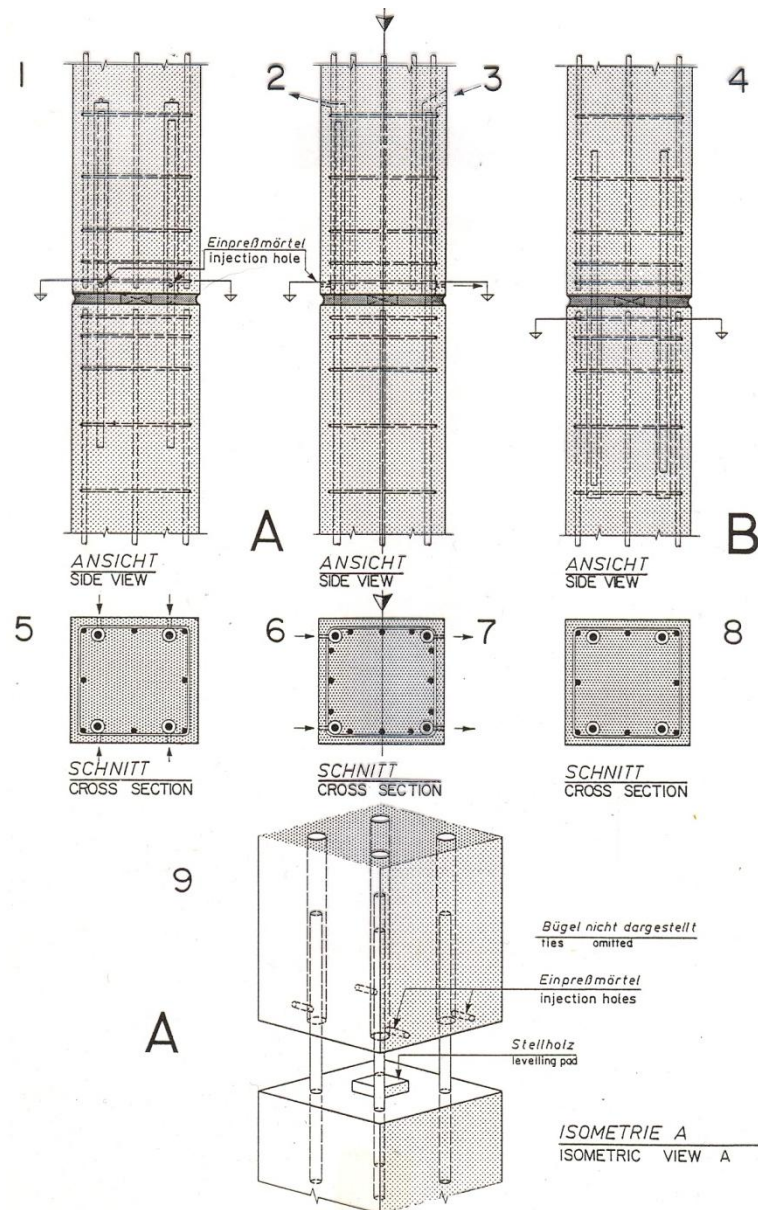
$$H_0 = \frac{3}{2} \frac{M}{t} + \frac{5}{2} H$$

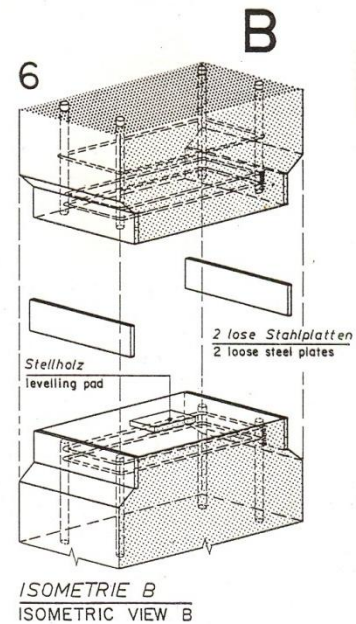
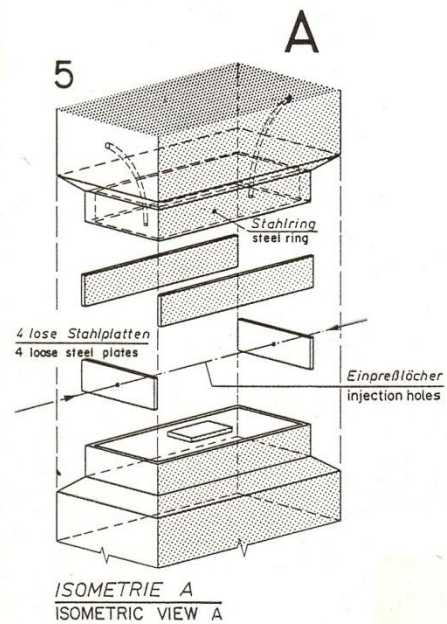
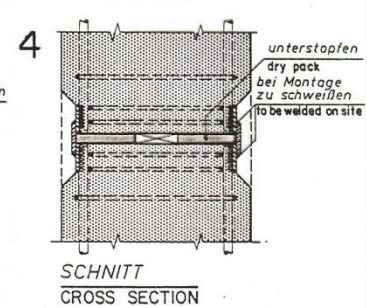
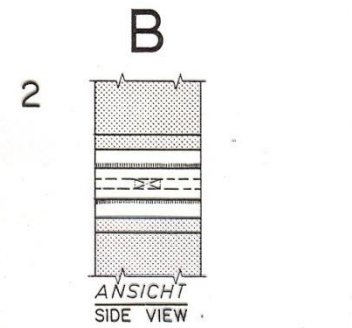
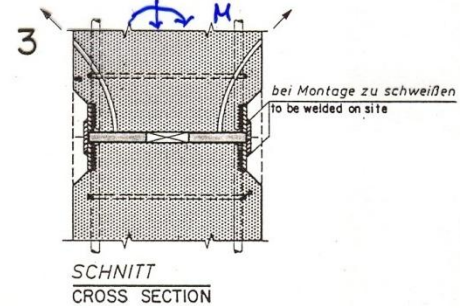
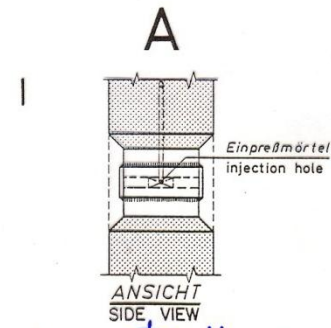
$$H_u = \frac{3}{2} \frac{M}{t} + \frac{1}{2} H$$

$$t = 1,65d; \frac{M}{N \cdot d} \leq 0,15$$

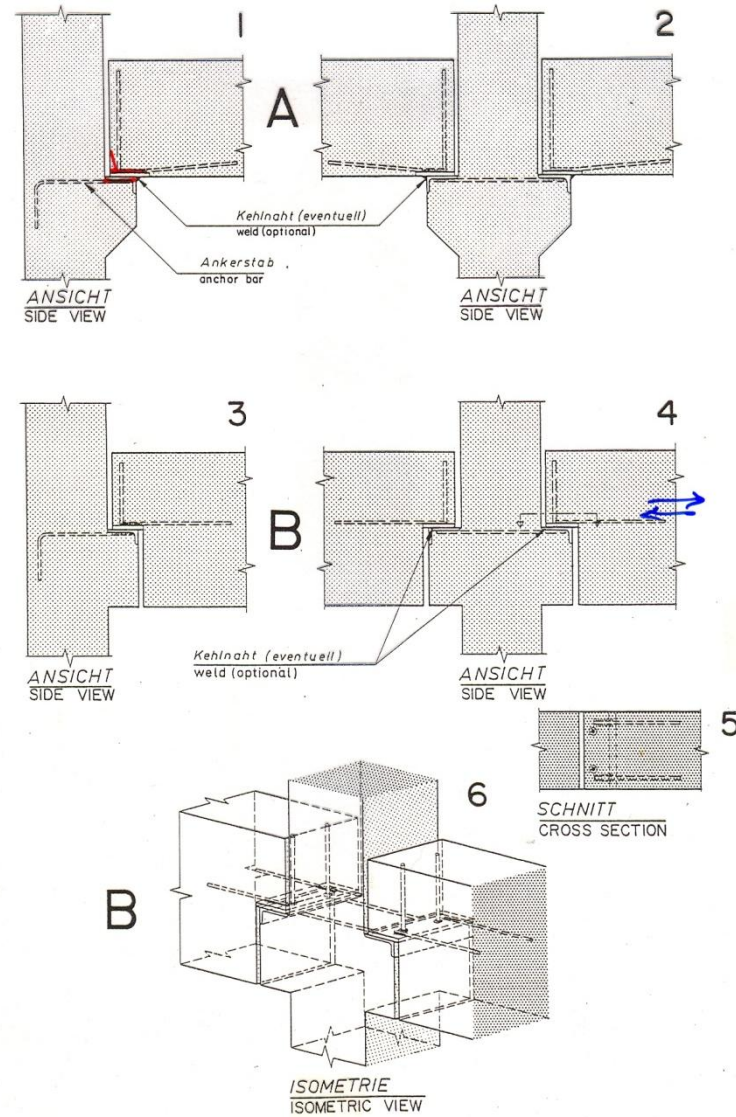
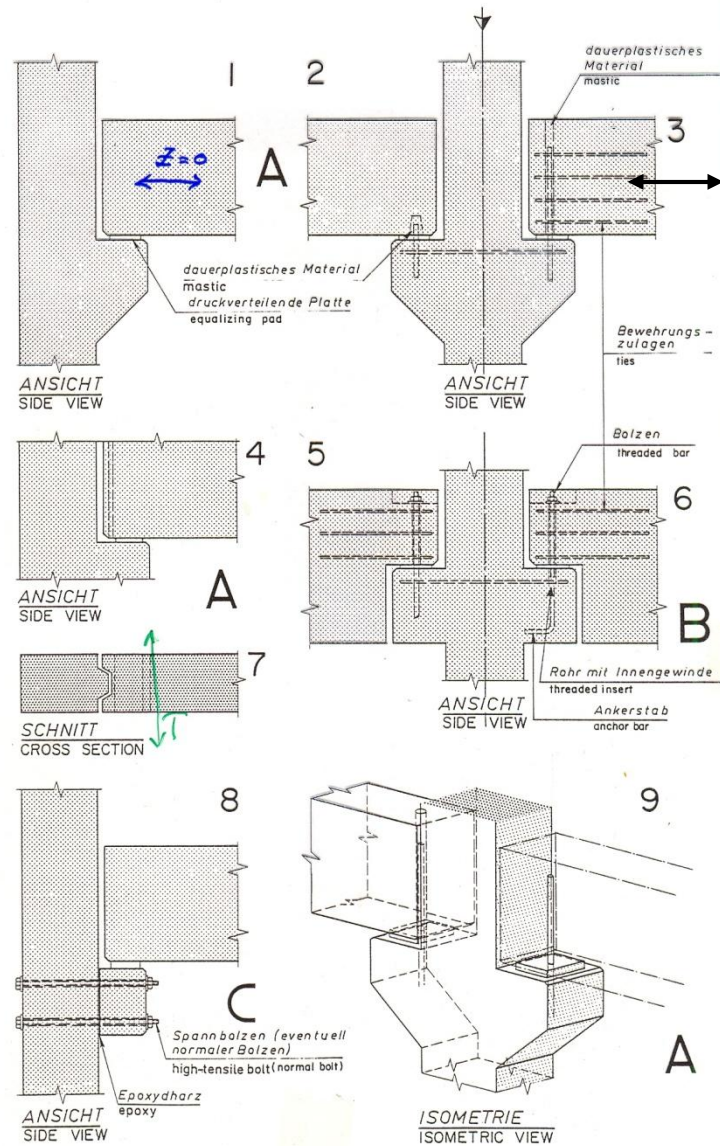
$$t = 2,65d; \frac{M}{N \cdot d} \geq 2,0$$

Detalji nastavljjanja stubova

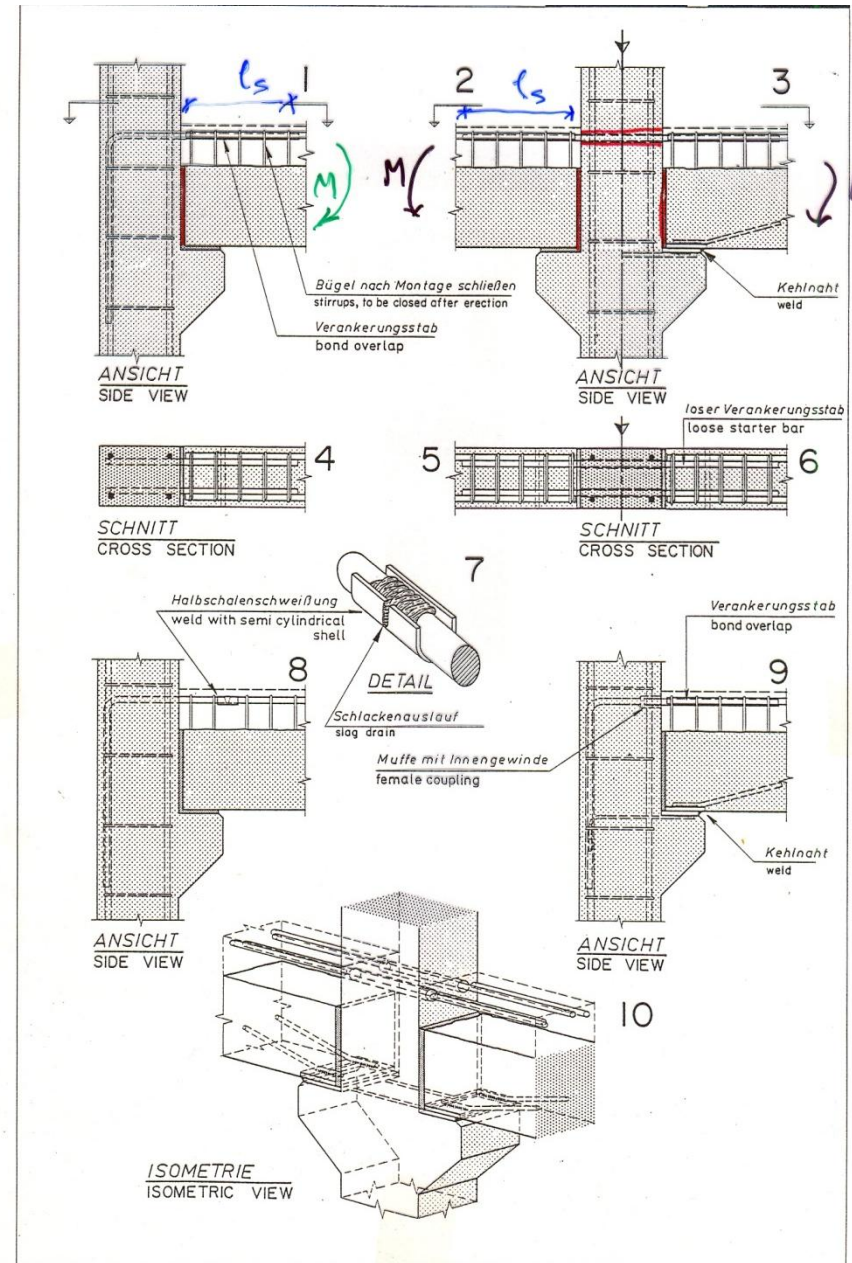
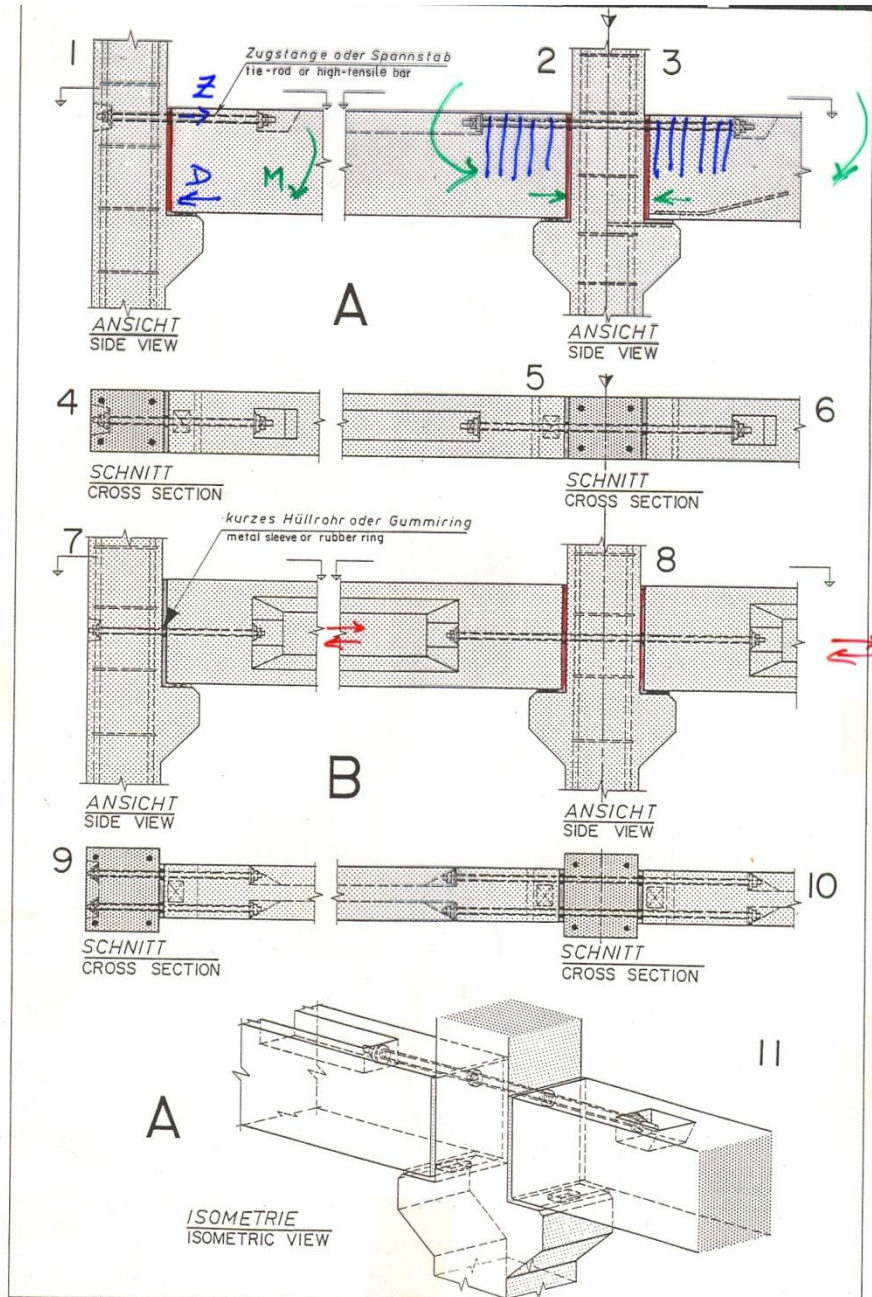


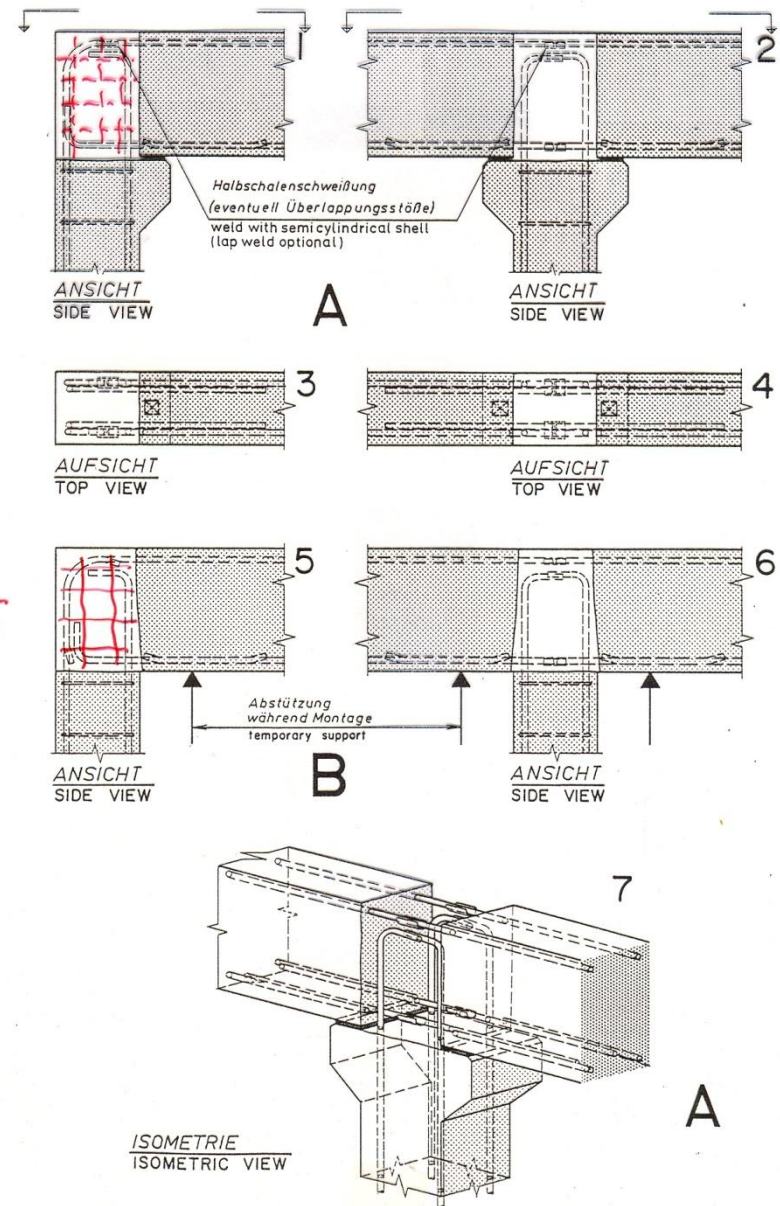
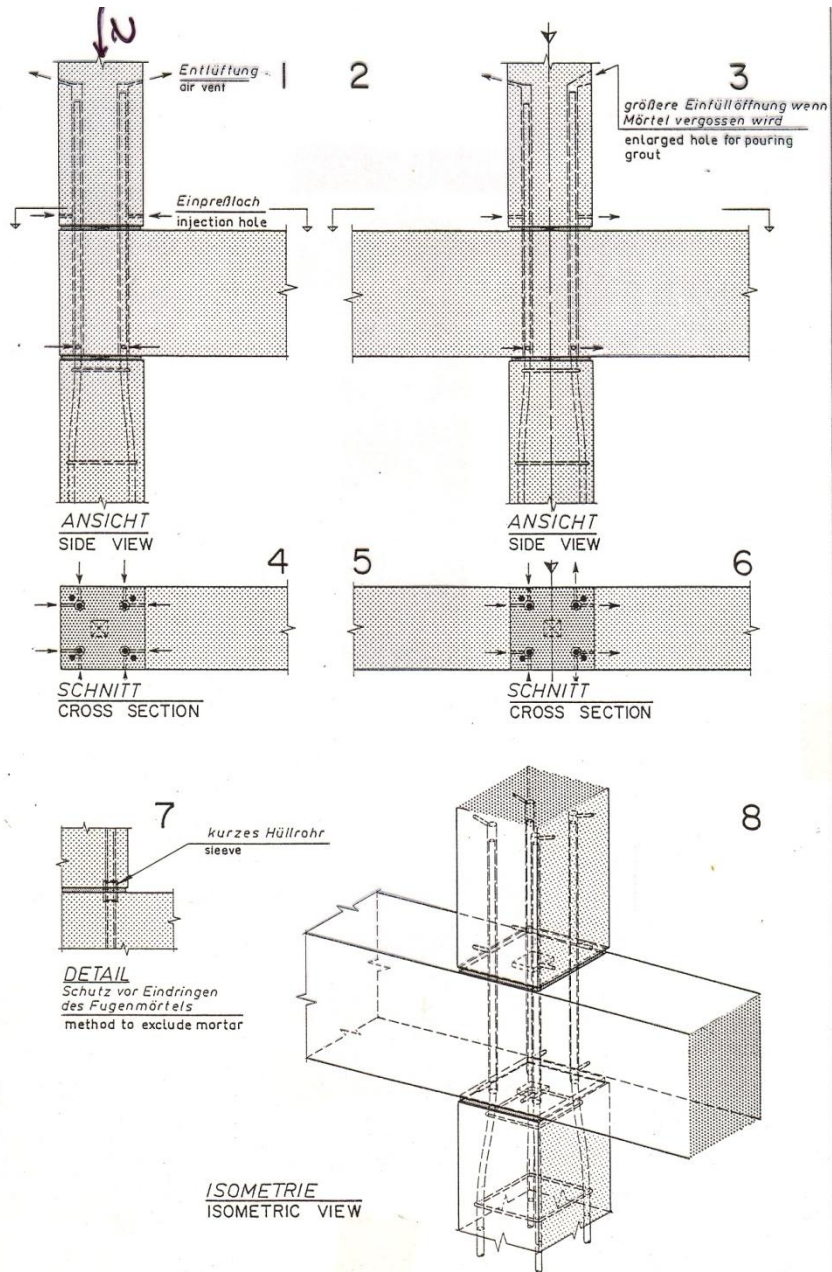


Detalji oslanjanja grede na stubove

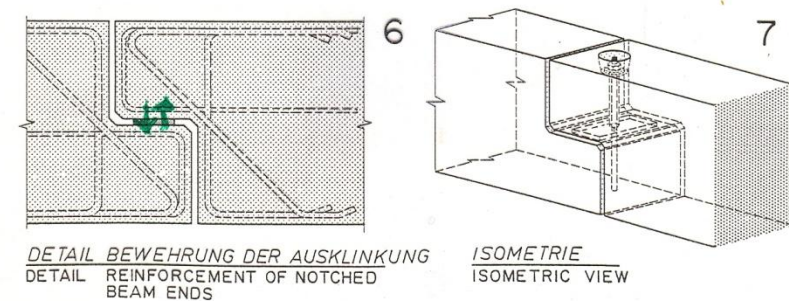
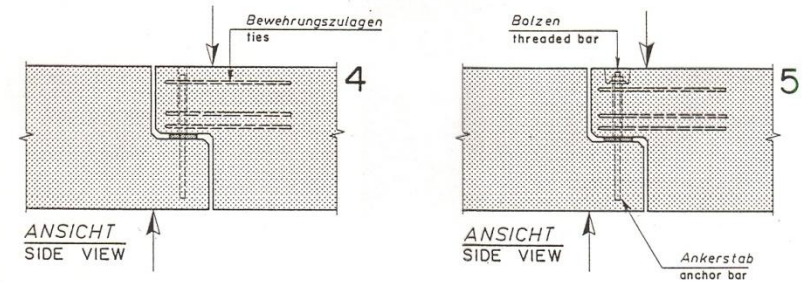
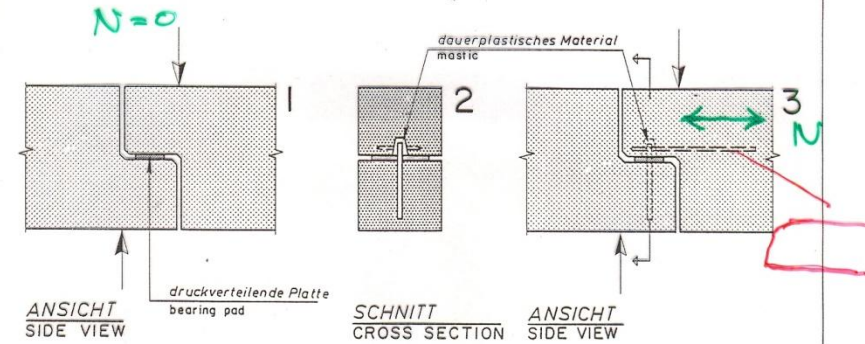
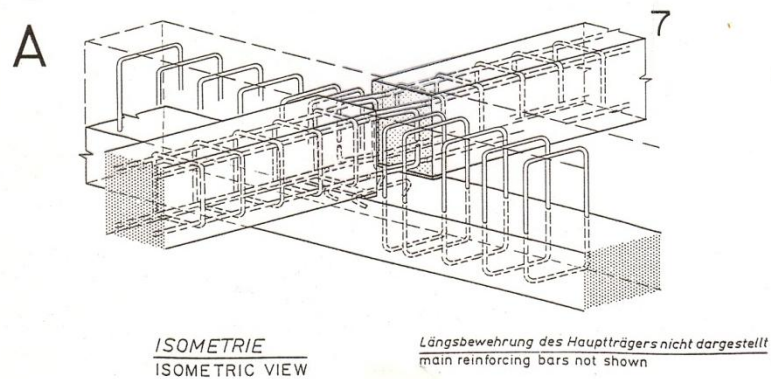
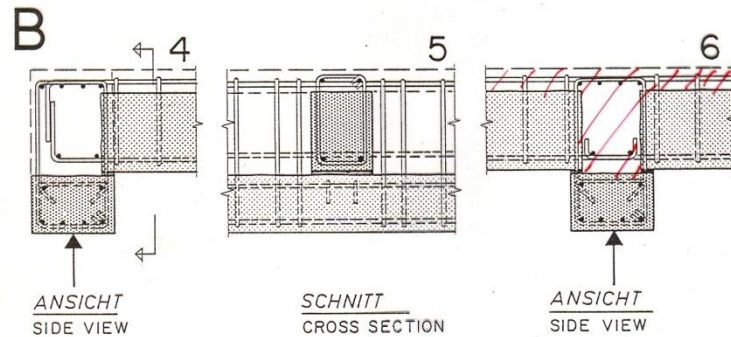
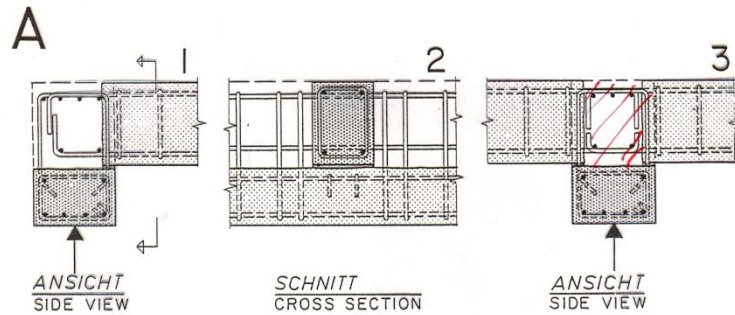


Načini kontinuiranja greda iznad stubova





Načini oslanjanja grede na gredu



Načini oslanjanja ploče na zid

