

**DESIGN** 

## **MEMO 522d**

MEMO 522d BSF 700 REINFORCEMENT IN BEAM END WITH MAXIMUM LOAD 700 Dato: 17.04.2013 Siste rev.: 24.05.2016 Dok. nr.: K4-10/52dcE Sign.: sss Sign.: sss Control: ps

## BSF 700 - REINFORCEMENT IN BEAM END WITH MAXIMUM LOAD 700KN



## **MEMO 522d**

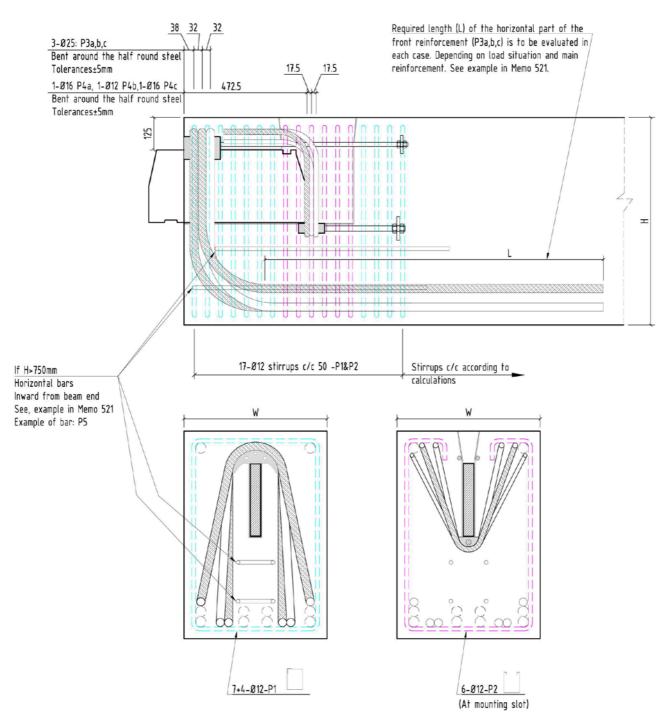


Figure 1: Reinforcement in beam end.

The basis for the illustrated reinforcement is found in the example calculations in Memo521. The amount of reinforcement and final shape of several of the bars has to be evaluated in each case. This can be done according to the procedures outlined in the Memo. Concrete quality C35 and beam dimension:





W×H=550×800 is used in the example calculation. This corresponds to the approximate minimum cross section of the beam in order to utilize the full capacity of the unit.

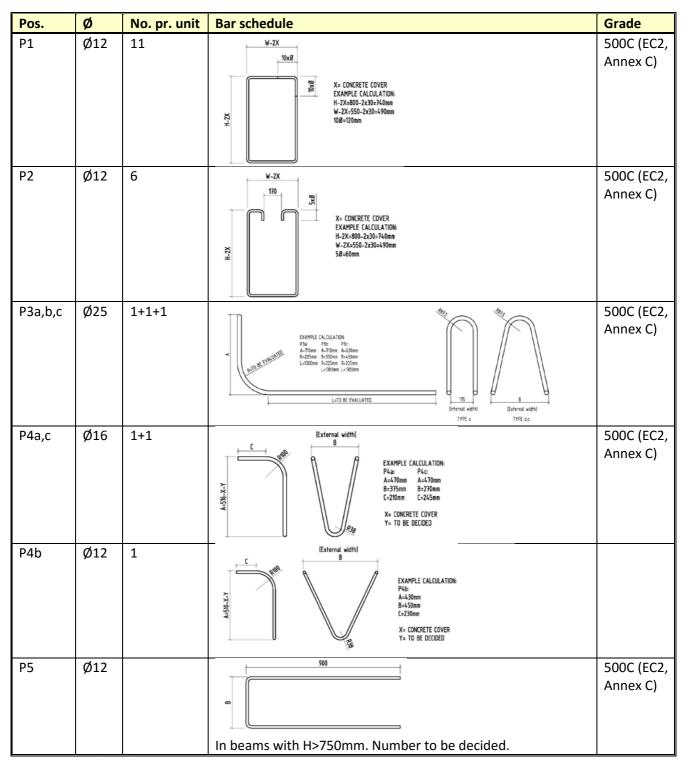


Table 1: List of reinforcement.



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REVISION HISTORY	
Date:	Description:
17.04.2013	First Edition (for ETA)
12.06.2013	Updated before ETA. Corrected reinforcement quality notation from: B500C to 500C.
28.08.2013	Included revision signature.
27.06.2014	Changed the half round steel on the BSF700 unit.
19.08.2014	Changed position of the M16 threaded bars on the half round steel.
27.02.2015	Included a nut on the front side of the steel plate anchoring the threaded bars. (To ensure
	correct position of the plate when casting the concrete).
24.05.2016	New template