

Date :	24.10.07	Sign: tb
Last rev:	11.05.09	Sign: tb
Doc. No:	K4-10/36E	Sign: tb
Page 1 of 4		

Main dimensions for BCC units

BCC 250

(The dimensions shown in these figures shall not be used as reference dimensions when locating the units in the formwork)

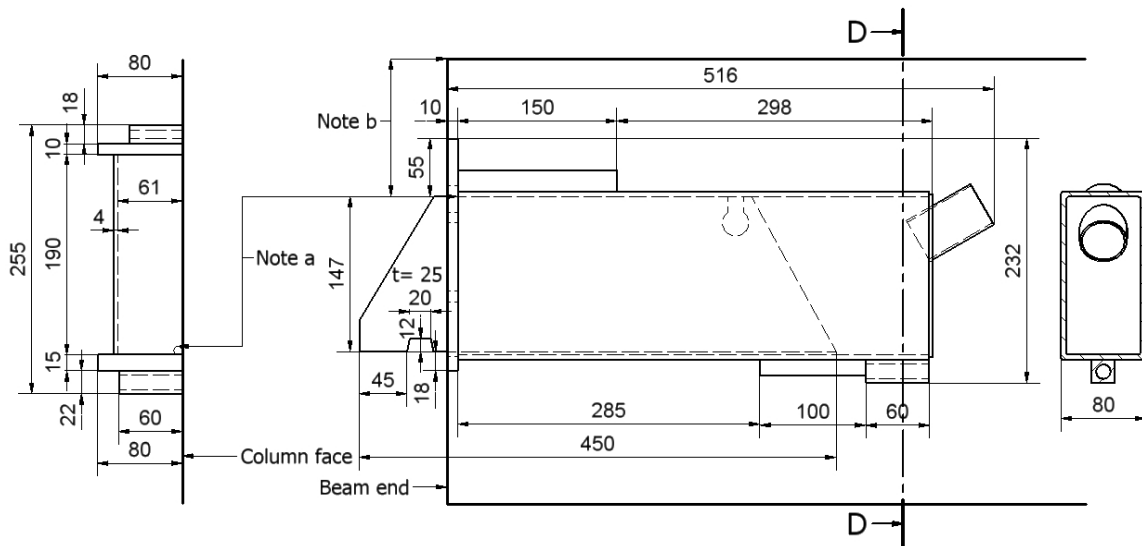


Figure 36.1 BCC 250, column and beam units

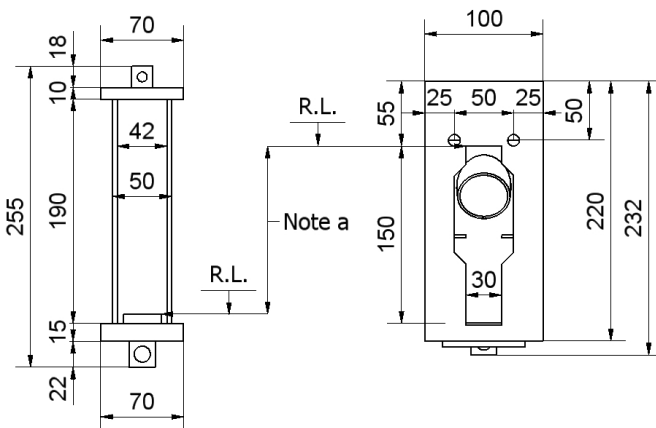


Figure 36.2 BCC 250, sections

The dimensions given are for the use of the structural engineer. The production tolerances and provided clearances in the units are not reflected in these figures.

Note a: The arrows indicate the reference levels used in the design (marked R.L. on the sections). These levels are governing the placing of the units in the forms. See Memo 15.

Note b: This dimension can be chosen, and is usually standardized by the precaster. The minimum dimension depends upon the size of the stirrups and requirements to concrete cover. 90 mm is recommended for this distance.

Date :	24.10.07	Sign: tb
Last rev:	11.05.09	Sign: tb
Doc. No:	K4-10/36E	Sign: tb
Page 2 of 4		

Main dimensions for BCC units

BCC 450

(The dimensions shown in these figures shall not be used as reference dimensions when locating the units in the formwork)

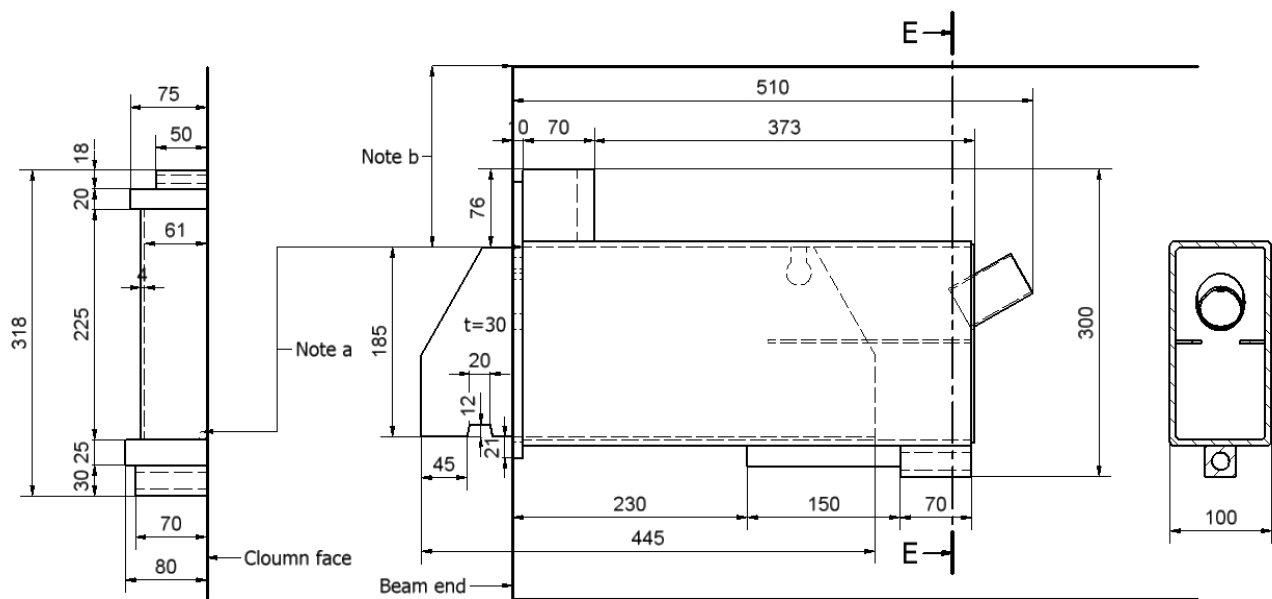


Figure 36.3 BCC 450, column and beam units

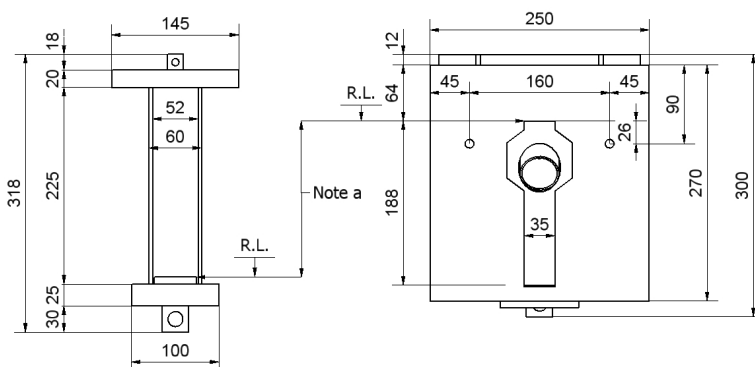


Figure 36.4 BCC 450, sections

The dimensions given are for the use of the structural engineer. The production tolerances and provided clearances in the units are not reflected in these figures.

Note a: The arrows indicate the reference levels used in the design (marked R.L. on the sections). These levels are governing the placing of the units in the forms. See Memo 15.

Note b: This dimension can be chosen, and is usually standardized by the precaster. The minimum dimension depends upon the size of the stirrups and requirements to concrete cover. 140 mm is recommended for this distance.

Date :	24.10.07	Sign: tb
Last rev:	11.05.09	Sign: tb
Doc. No:	K4-10/36E	Sign: tb
Page 3 of 4		

Main dimensions for BCC units

BCC 800

(The dimensions shown in these figures shall not be used as reference dimensions when locating the units in the formwork)

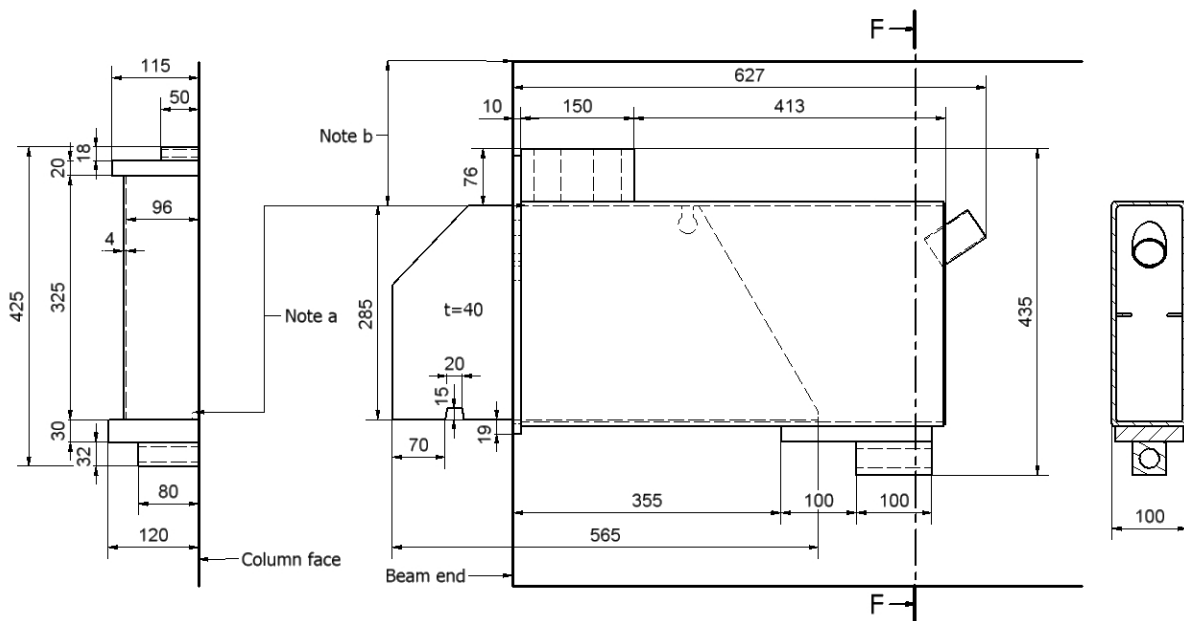


Figure 36.5 BCC 800, column and beam units

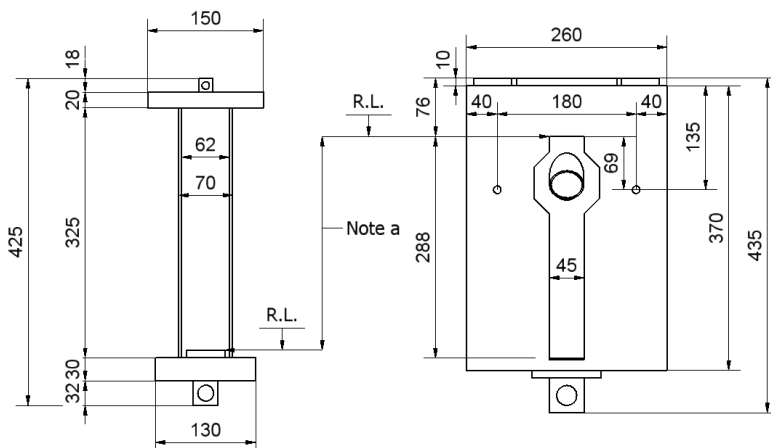


Figure 136.6 BCC 800, sections

Note a: The arrows indicate the reference levels used in the design (marked R.L. on the sections). These levels are governing the placing of the units in the forms. See Memo 15.

Note b: This dimension can be chosen, and is usually standardized by the precaster. The minimum dimension depends upon the size of the stirrups and requirements to concrete cover. 140 mm is recommended for this distance.

Date :	24.10.07	Sign: tb
Last rev:	11.05.09	Sign: tb
Doc. No:	K4-10/36E	Sign: tb
Page 4 of 4		

Main dimensions for BCC units

Total height of the beam unit with reduced front reinforcement.

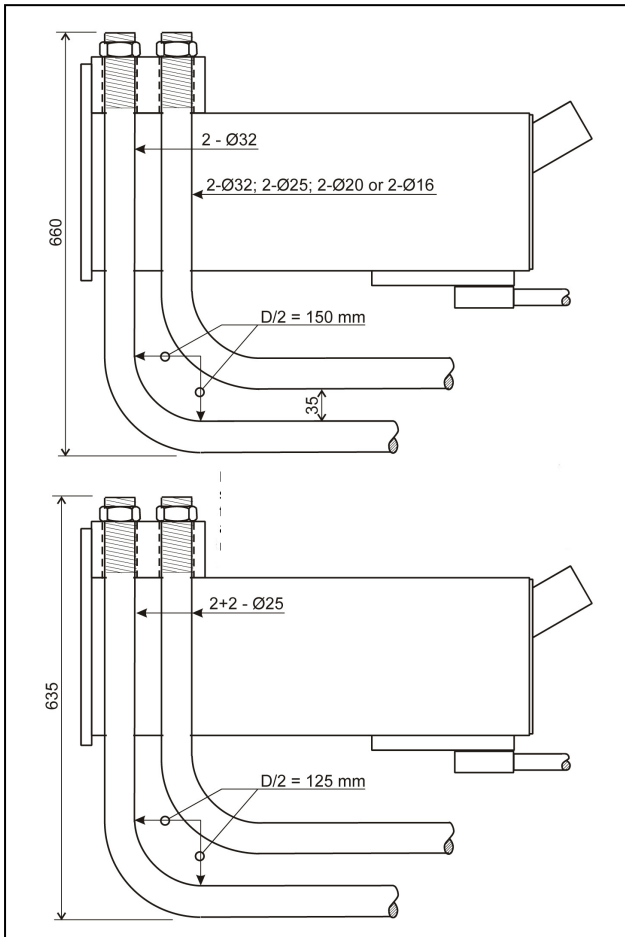


Figure 36.7

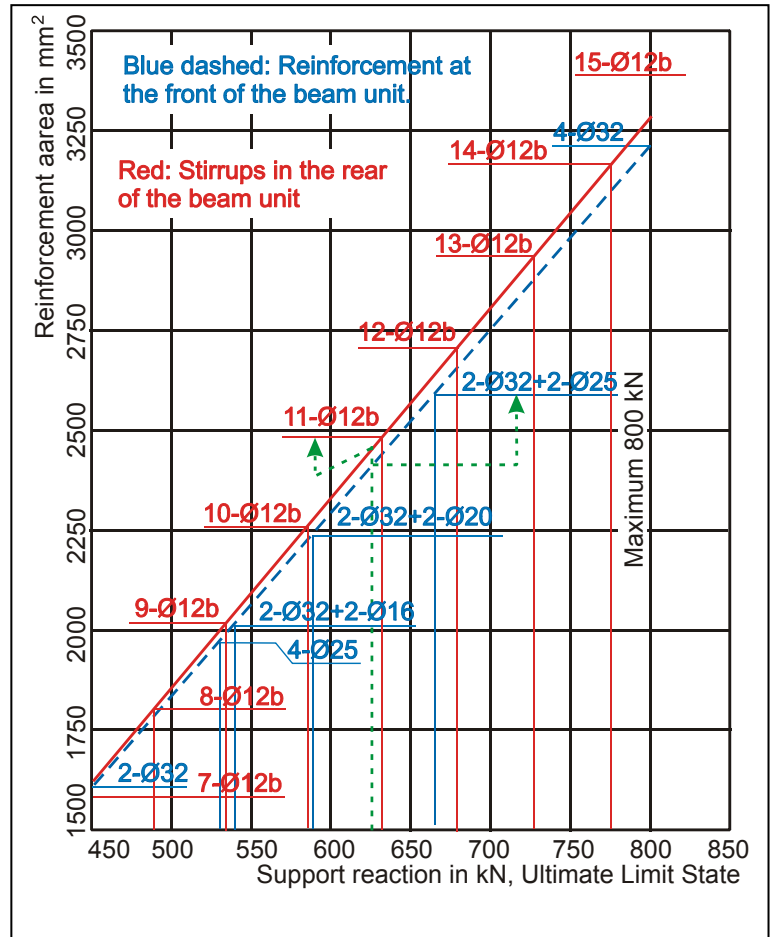


Figure 36.8

Minimum height given in figure 36.7 lead to transverse reinforcement bars in the bend of the front reinforcement. To avoid these transverse reinforcement bars, the height of the front reinforcement bars must be increased with 75 mm. This is because that the mandrel diameter must be increased. Minimum mandrel diameter is depended on the concrete grade and the national rules.

Example on how to use the diagram:

If the load in ultimate state is 625 kN, and the coefficient of friction is equal or less then 0,3.

It is enough with 2-Ø32+ 2-Ø25 in the front and 11- Ø12 in the back of the unit. (Green dotted lines)