



NCC AB erects eight semi-detached hillside houses in Bollstanäs, Upplands Väsby, Stockholm.
BOTTOM FLOOR AND OUTER WALLS



The bottom floor structural elements during fitting.

Please remark the gap below the element plates in the inner part of the foundation

A self-suspended floating floor structure.



The bottom floor structural elements for the semi detached house

(two residences) mounted in position.



The plates of the structural elements are fixed to each other with welds.

The joint is then filled with jointing composition in order to get the elements to work together and to prevent draft.



The bottom structural floor elements and the walls are fixed with welded sheet metal in a level below the bottom floor surface, inside the structural floor.



Jointing composition in the horizontal joint gaps between the wall elements and the edge-beams of the bottom floor elements, guarantees for making draught tight.



The welded sheet metal is hid inside the upper floor structural elements.

The walls are sealed inside the vertical joints. These have been designed as groove-like recesses and are filled with expanding jointing composition.

Draught tight!



Here you can see the recesses for the supply of the tooth-like support projections on the floor element plates.

The floor elements gives a central load at the wall plate without causing bending forces.

The wall above rests on the tooth-like projections of the lower wall, which projections can be seen in the picture on the top of the wall element.

Also this load works central and without causing moments.

Without bending forces on the wall, the wall plate can be made much thinner, which also increases the thickness of the thermal insulation outside of the framework.

In addition without cold bridges!

Such an energy effective utilize of the building materials results in considerable less heating costs.

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