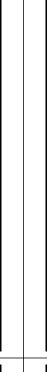
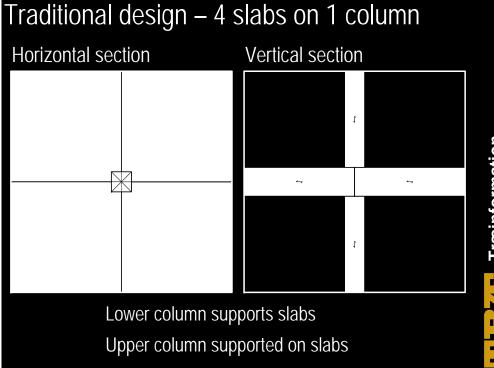
Robustness of column – slab system Jørgen Munch-Andersen Danish Timber Information





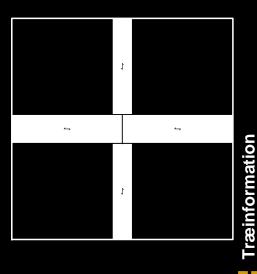
Traditional design

But slabs also support columns (horizontally)

Failure of one slab:

- upper column might lose support
- eccentricity of vertical load might cause failure of lower column

i.e.: not robust



Better design

Continuous column

Faliure of one slab:

- Upper part of column still supported, also horizontally by the 3 other slabs
- Less sensitive to eccentricity

i.e. : More robust (failure of column still causes collapse)

