

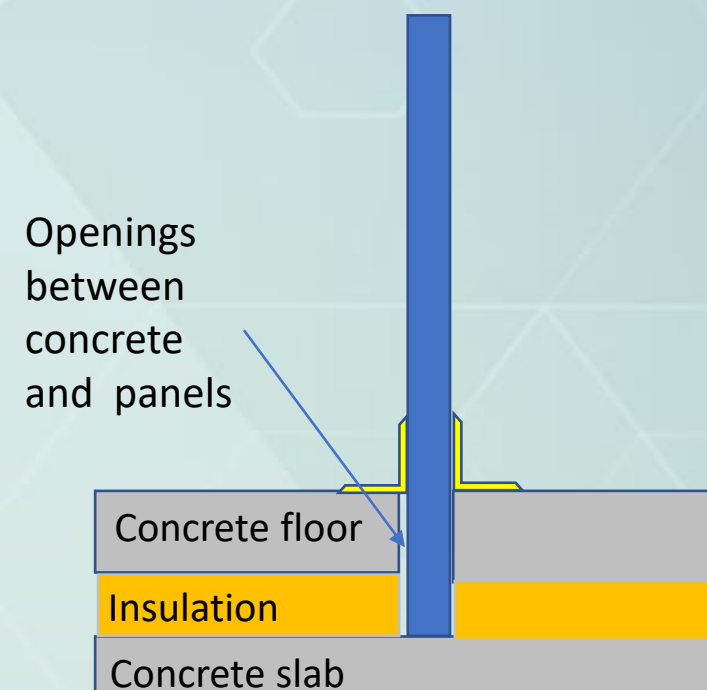
CA Panel Construction Book

Installation of the panels **IN** or **ON** the floor of the CA/cold stores

Mounting **IN** the floor

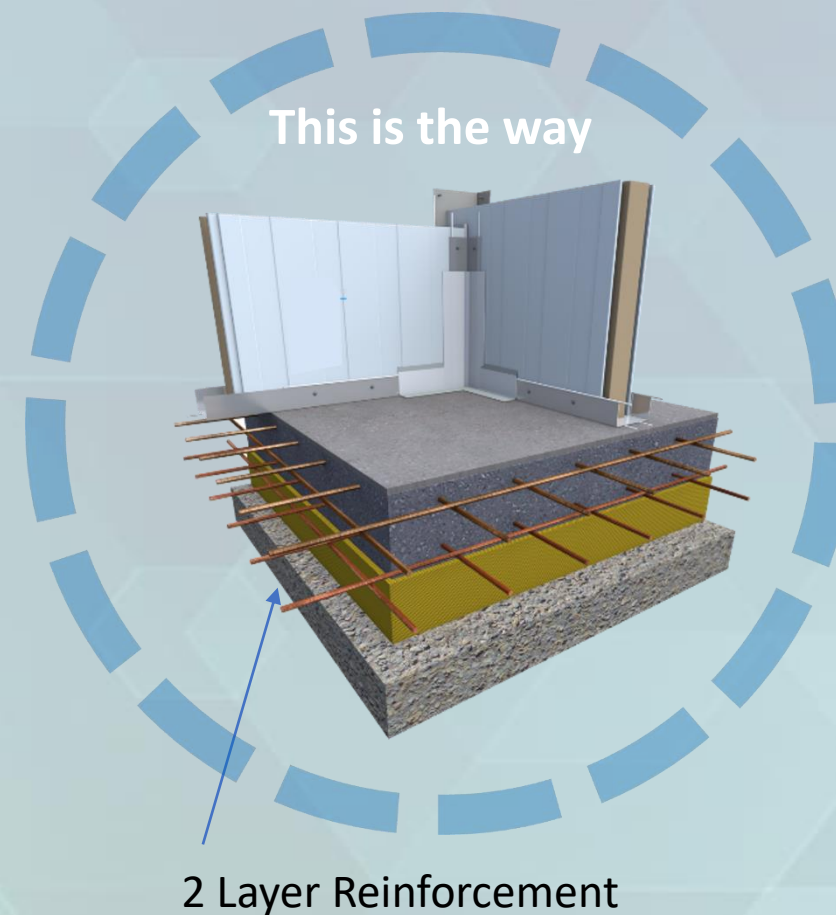
Concrete shrinkage for 2 reasons:

- Drying of the concrete
- Temperature differences

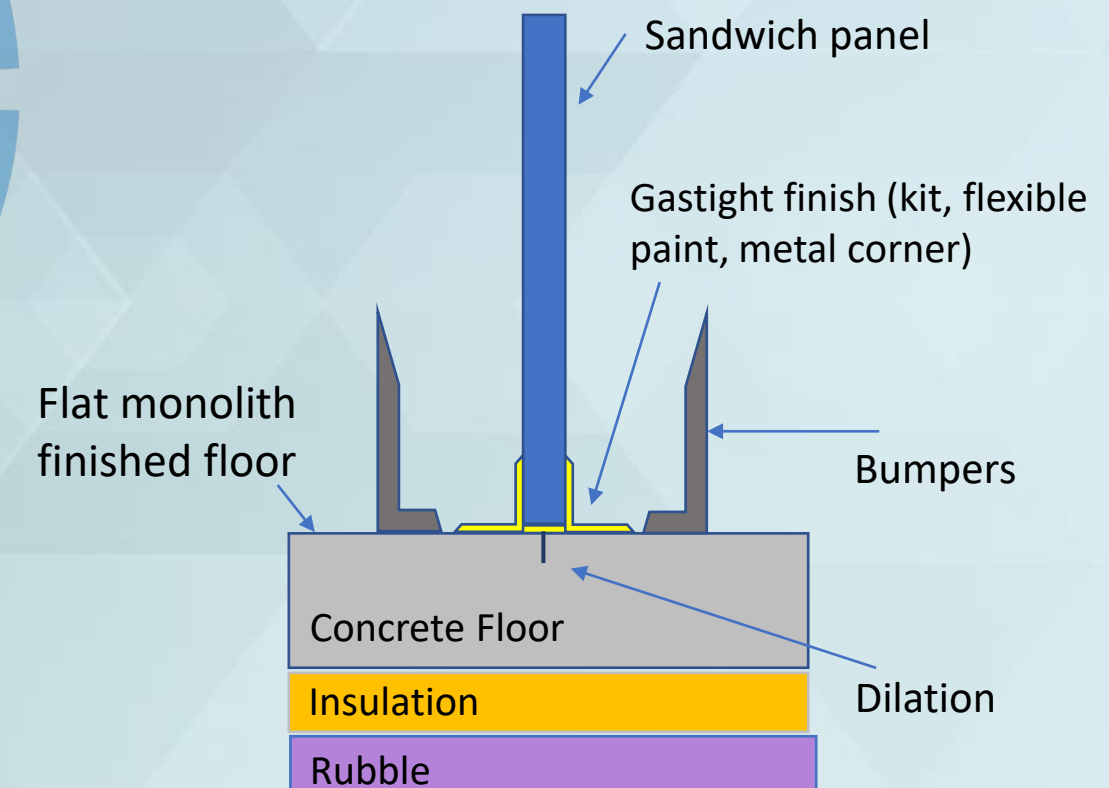


In case of a damaged/leaking sandwich panel, it is difficult:

- To find the affected areas. Where exactly are the leaks?
- To fix the affected areas in a sustainable, long term way, because the leaks are not well accessible.



Mounting **ON** Top of the floor



Simple & sustainable:

- Easy for installation
- Easy for service
- Guarantee gastightness

The key criteria for gastight storage room

- Gastightness guaranteed for years
- Mounting panel time
- Gastight installation of the CA doors
- Cost effective
- Selfsupporting construction
- Clean span
- Construction time
- Earthquake resistant/gastightness
- Isolation/coldbridge
- Restore/repair damages

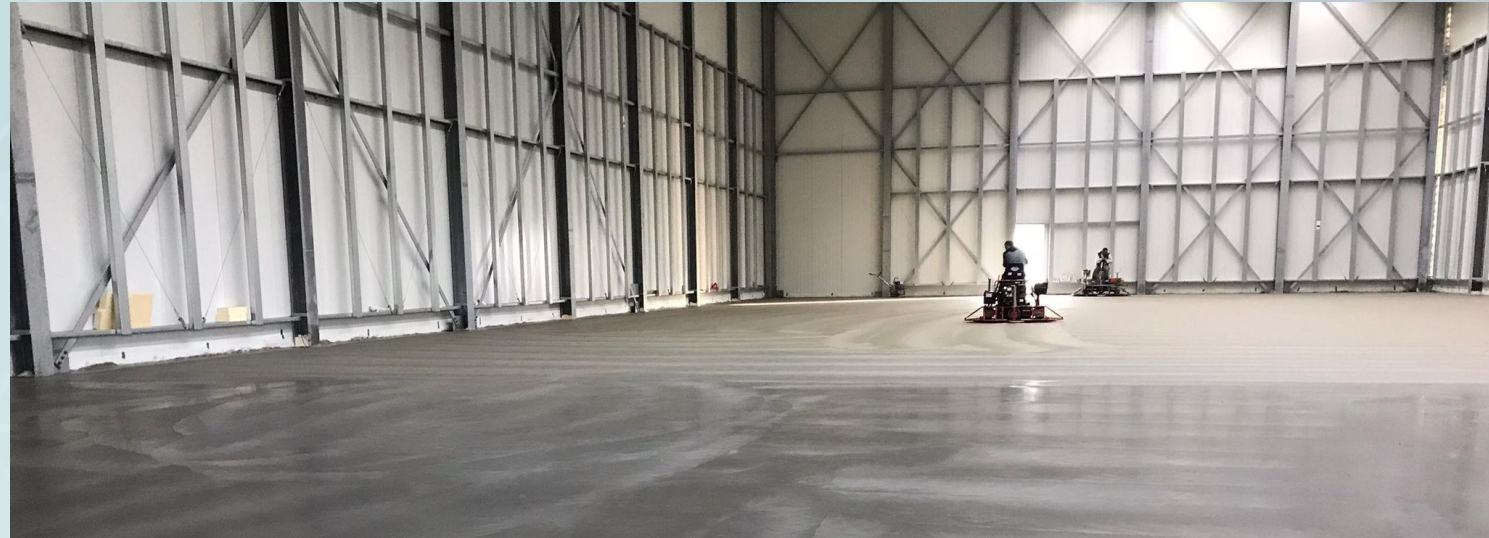
Valuation

ON the floor
IN the floor

★ ★ ★	★
★ ★ ★	★
★ ★ ★	★
★ ★ ★	★
★ ★ ★	—
★ ★	—
★ ★ ★	★
★ ★	★
★ ★	★ ★ ★
★ ★ ★	★



Top floor & Isolated outer building



- Flat concrete floor can be made without dilation
- Flat concrete floor is a need for a gastight entrance of the CA/cold room

Corridor for CA & cooling system:

- Extra space
- CA & cooling equipment protected
- Easy accessible for service & maintenance
- Easy installation due to short distance

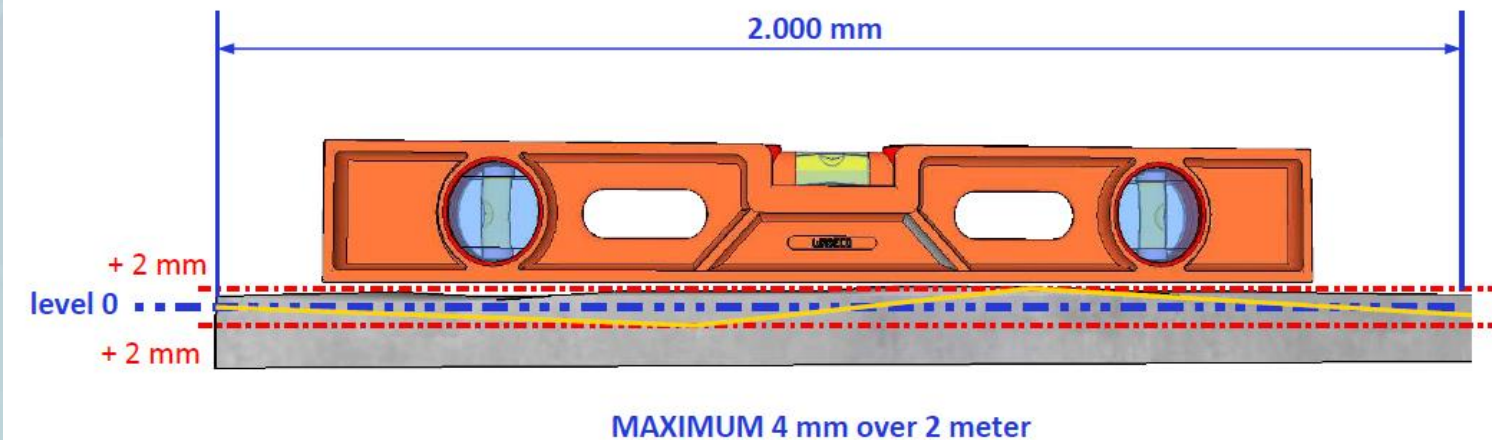


Conditions:

For a good connection (gastight) it is **ESSENTIAL** that the concrete floor is flat and level, even **MORE** important at the location of the door(s).

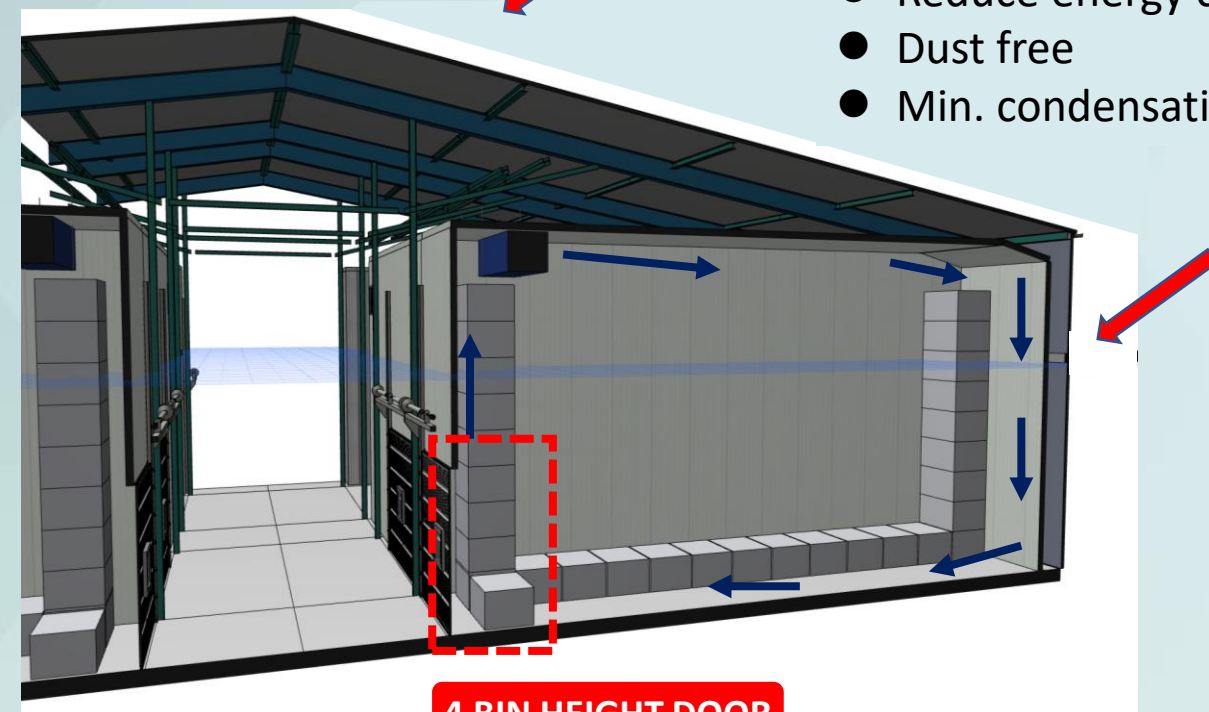
In case of insufficient flatness, we can't mount the door in a right way.

FLATNESS TOLERANCE : up to 4 mm, under a straight level of 2 meters



Advantages of isolated outer building (40-60mm):

- Reduce heat transfer
- Reduce energy cost
- Dust free
- Min. condensation



4 BIN HEIGHT DOOR



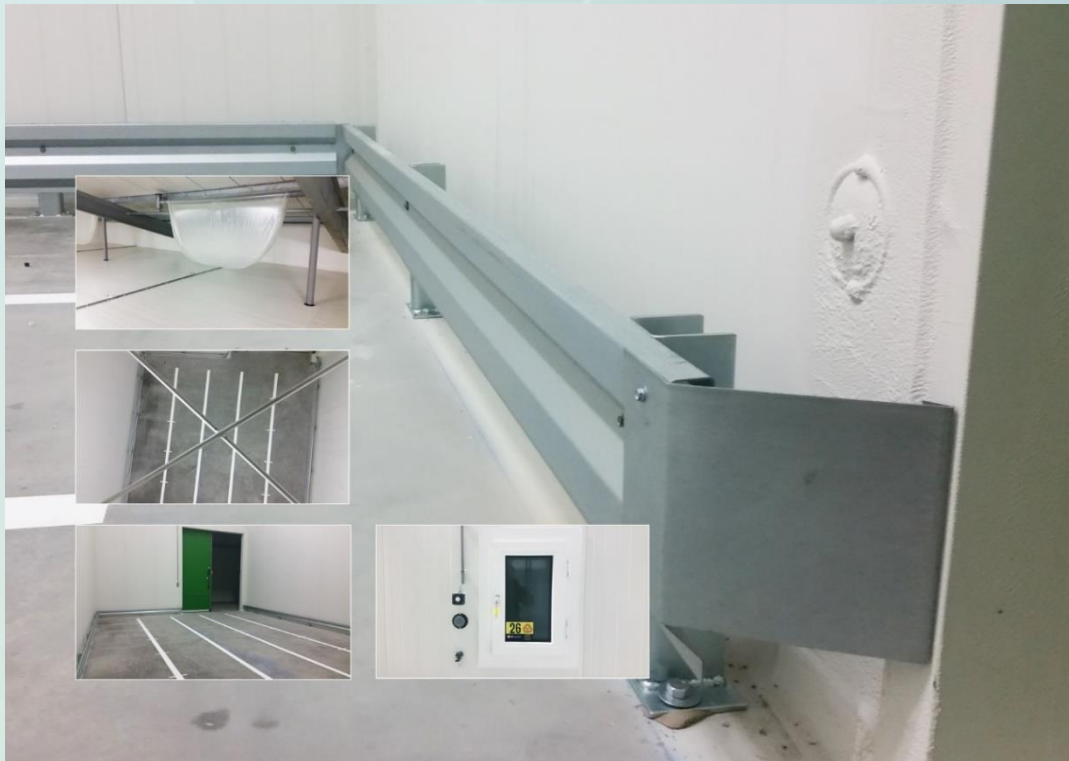
a. CA rooms & equipment on top corridor



b. CA rooms and Cold corridor



c. CA rooms and cooled corridor & equipment area on top



d. Bumper protected CA room panels



e. Cooling controlled area above CA rooms & corridor. Dust & oxidation free to protect all technical installations. Easy to access.

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FRUIT STORAGE



The next level of CA storage

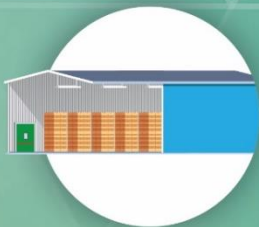
CA EQUIPMENT



RESEARCH
CONTROL



CA CONDITIONS

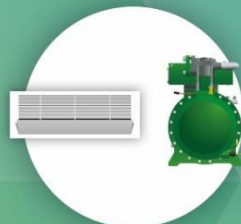


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**VA Team will advise
and guide YOU**