



08-11-2017 Huis van de Stad

Gemeente Rijswijk Definitief Ontwerp



BOE10726-31

een huis voor alle rijswijkers

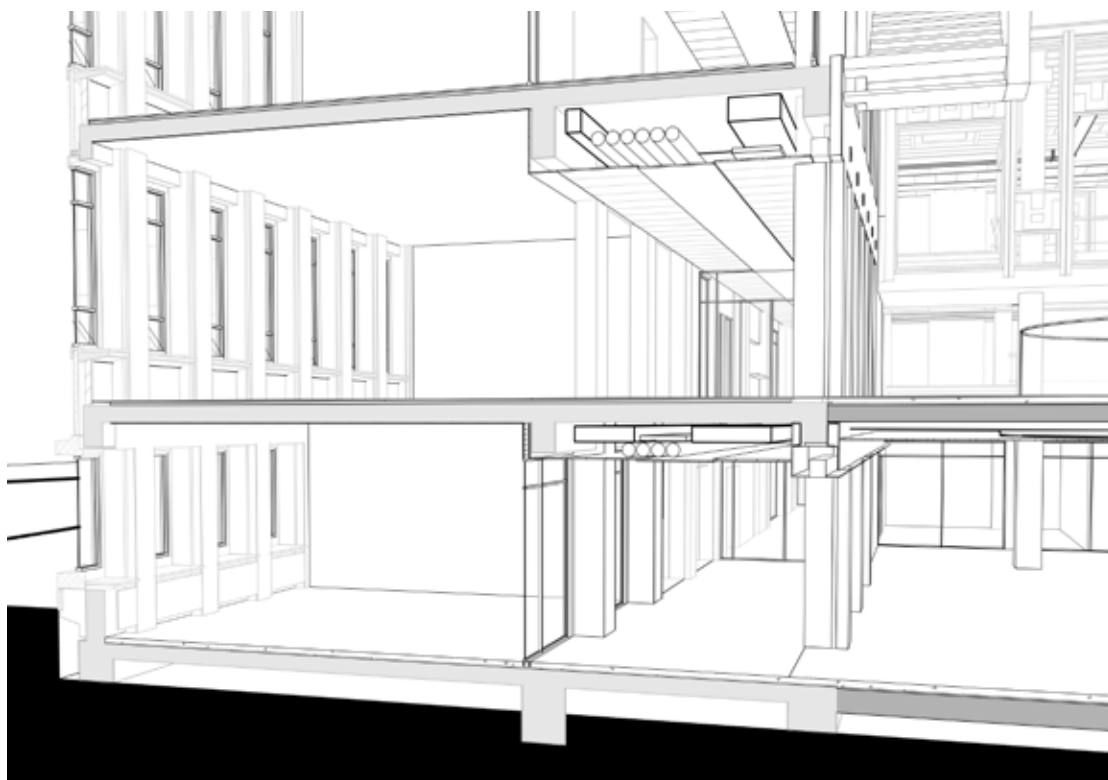


ambities

- synergie en ontmoeting
- uitnodigend, licht en doorzicht
- authentieke kwaliteiten benutten
- gevel bouwfysisch optimaliseren
- comfortabel en gezond
- energiezuinig
- slimme logistiek
- toekomstgericht

van vo naar do

waarmaken van ambities
gebouwvolgend ontwerpen
atrium als nieuw hart
technisch verduurzamen



definitief ontwerp als verdiepingsslag

uitdenken van maakbaarheid

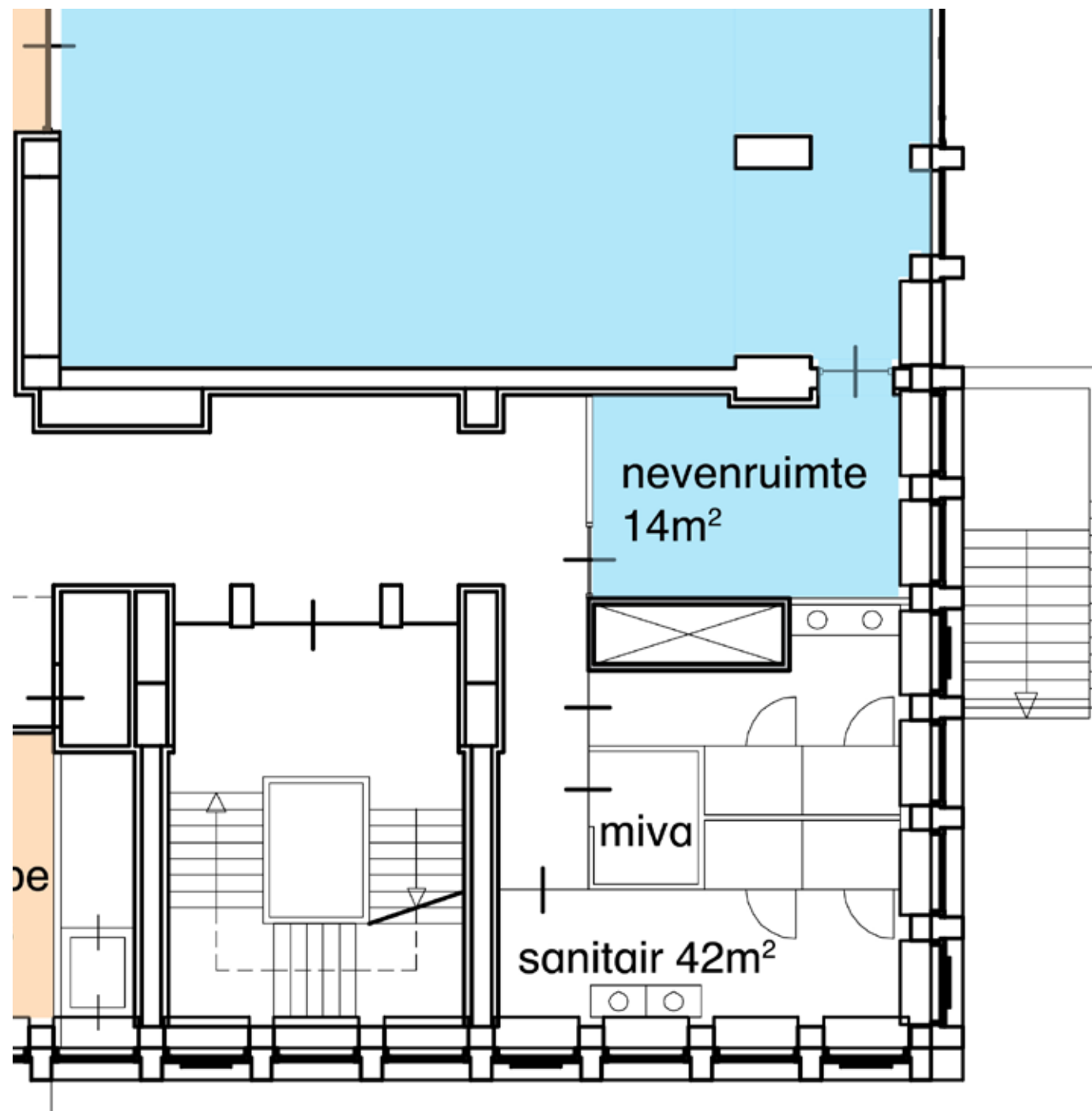


1. dakrooster
2. installatie dakvolumes
3. atriumdak constructie
4. atriumgevel
5. atrium vide
6. vloerafwerkingen
7. atriumvloer
8. tribune in atrium
9. trappen atrium
10. puien gangzones
11. verwarming/koeling concept
12. geïntegreerde luchtbehandeling
13. maakbaarheid schachten
14. liftkernen
15. sanitair
16. brandcompartimenteringen
17. maatregelen geluidsoverslag

18. gangzones
19. expeditie zone en hellingbaan
20. miva entree

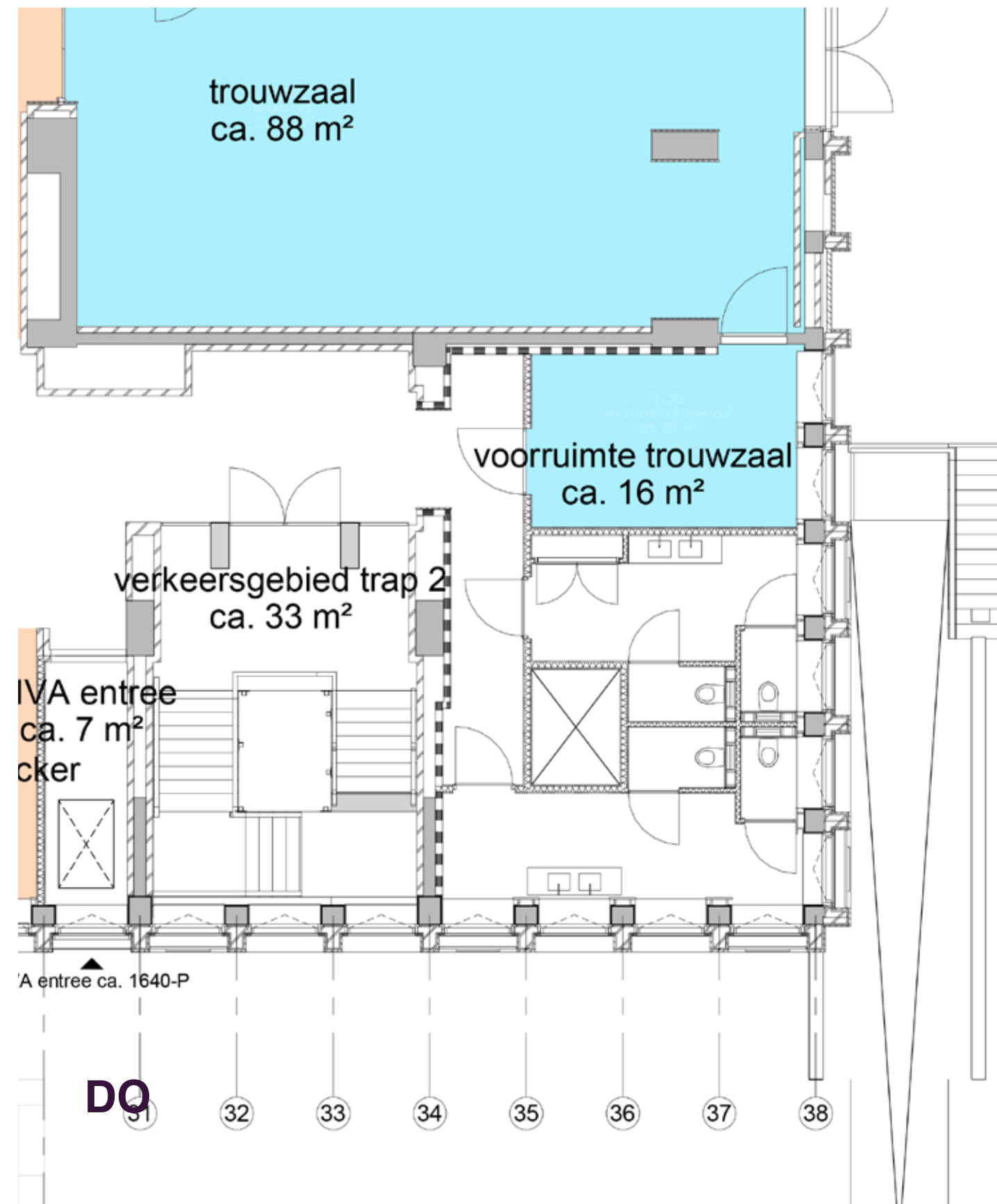
voorlopig ontwerp - definitief ontwerp

verschil in uitwerkingsniveau



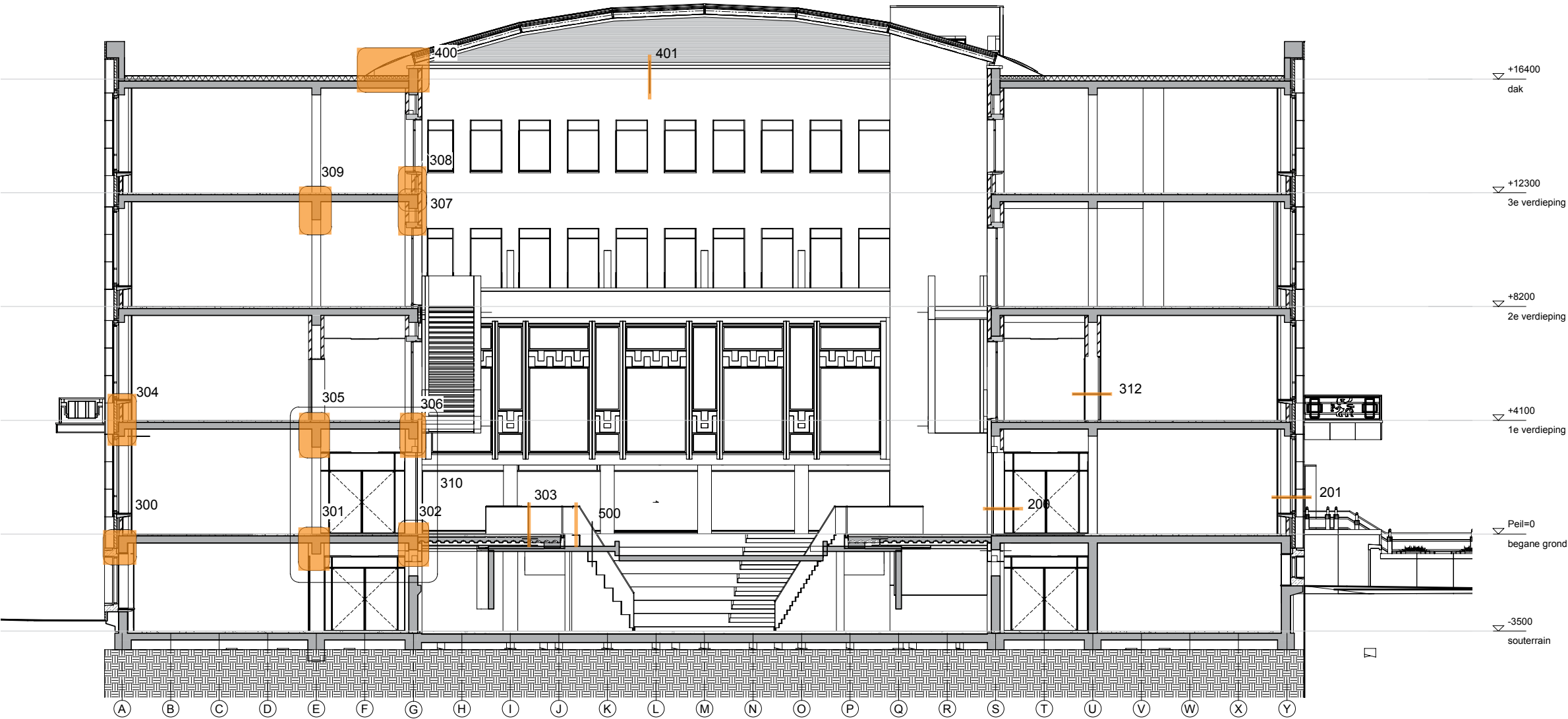
VO

7



DQ

focus uitwerking
voorspelbaarheid renovatie

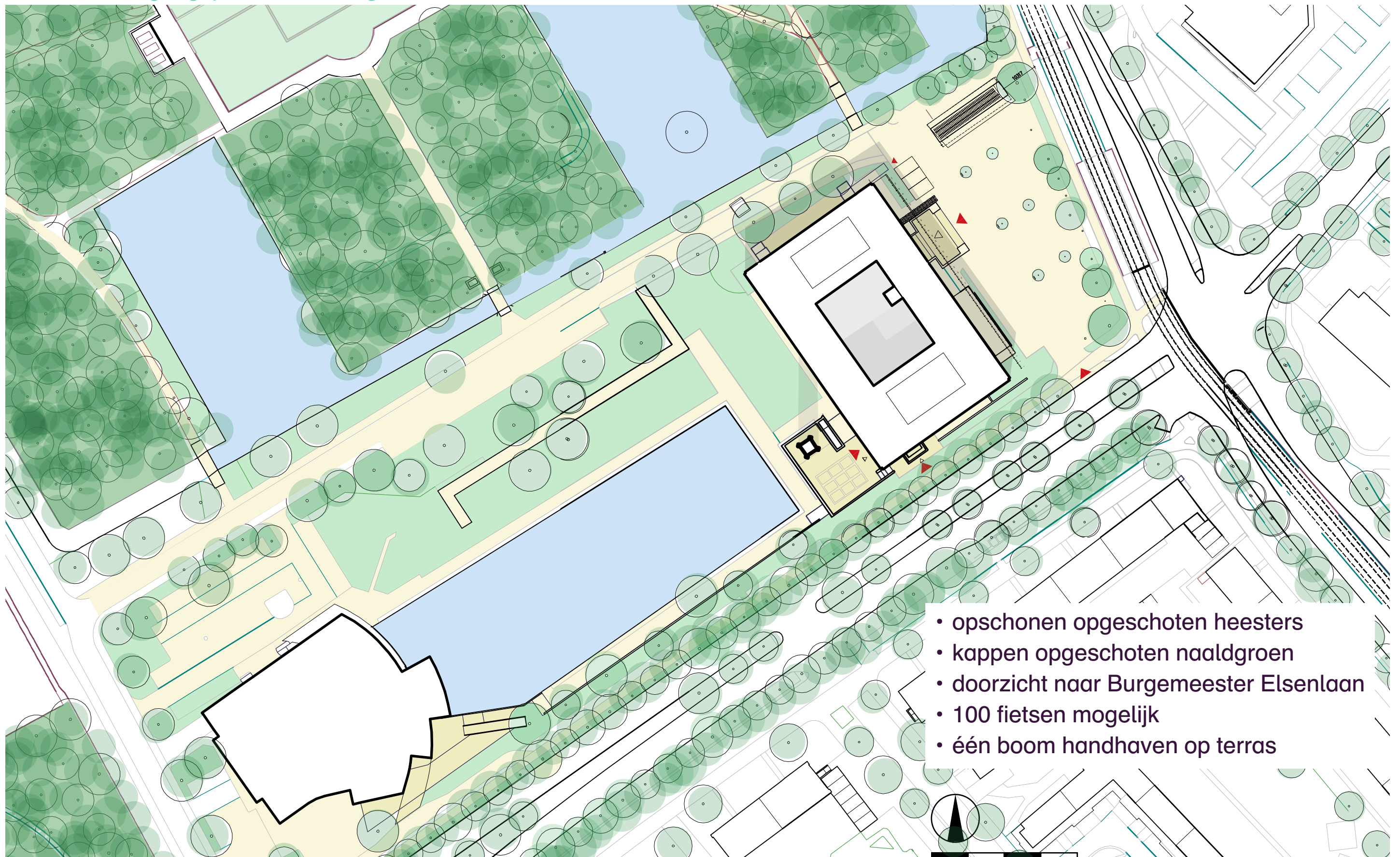


definitief ontwerp

- situatie
- plattegronden
- doorsneden
- gevels
- beelden
- schema's

situatie

indicatieve uitgangspunten tekening



impressie gevel

renovatie gevel



terras

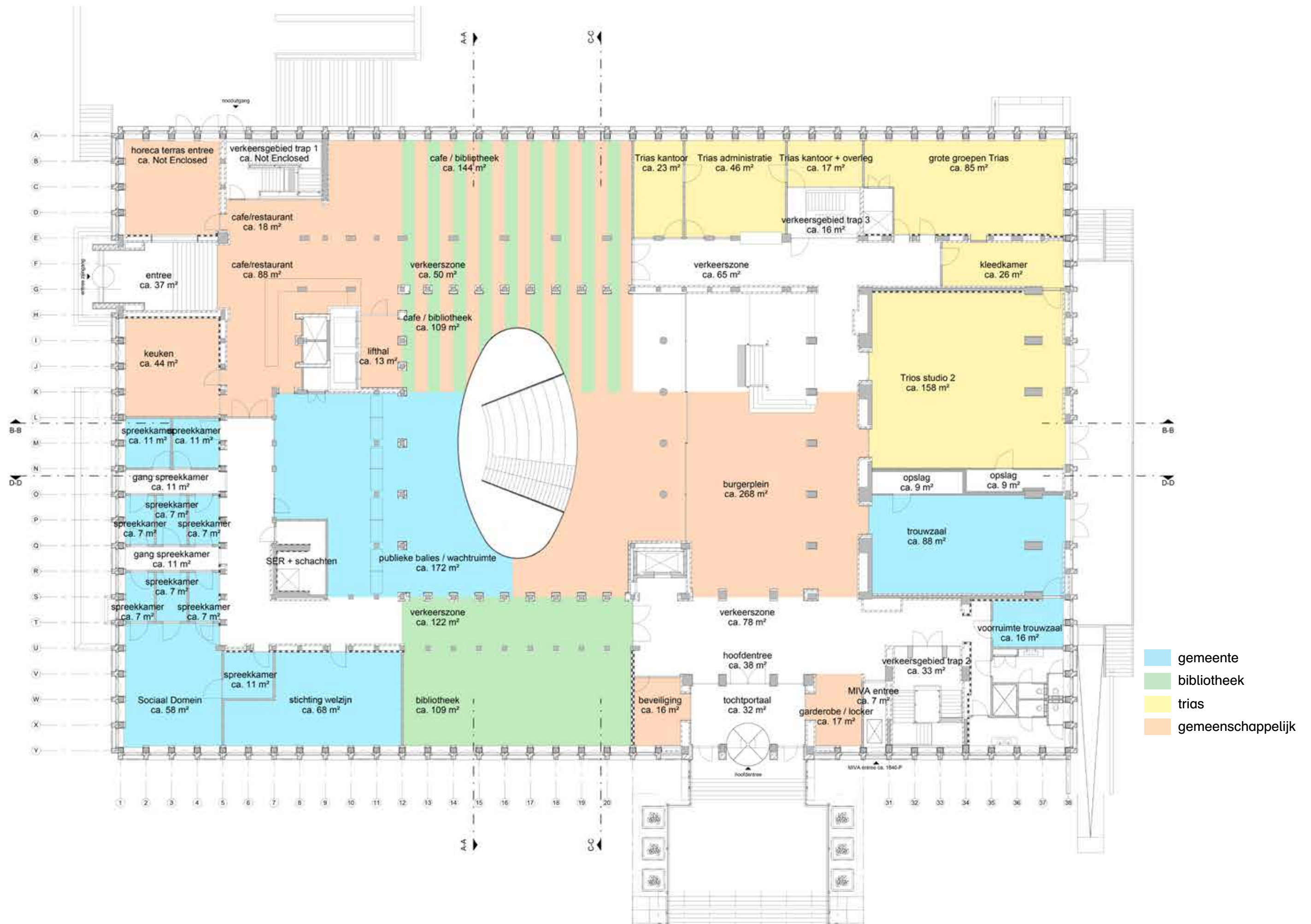
zichtbaarheid huis van de stad



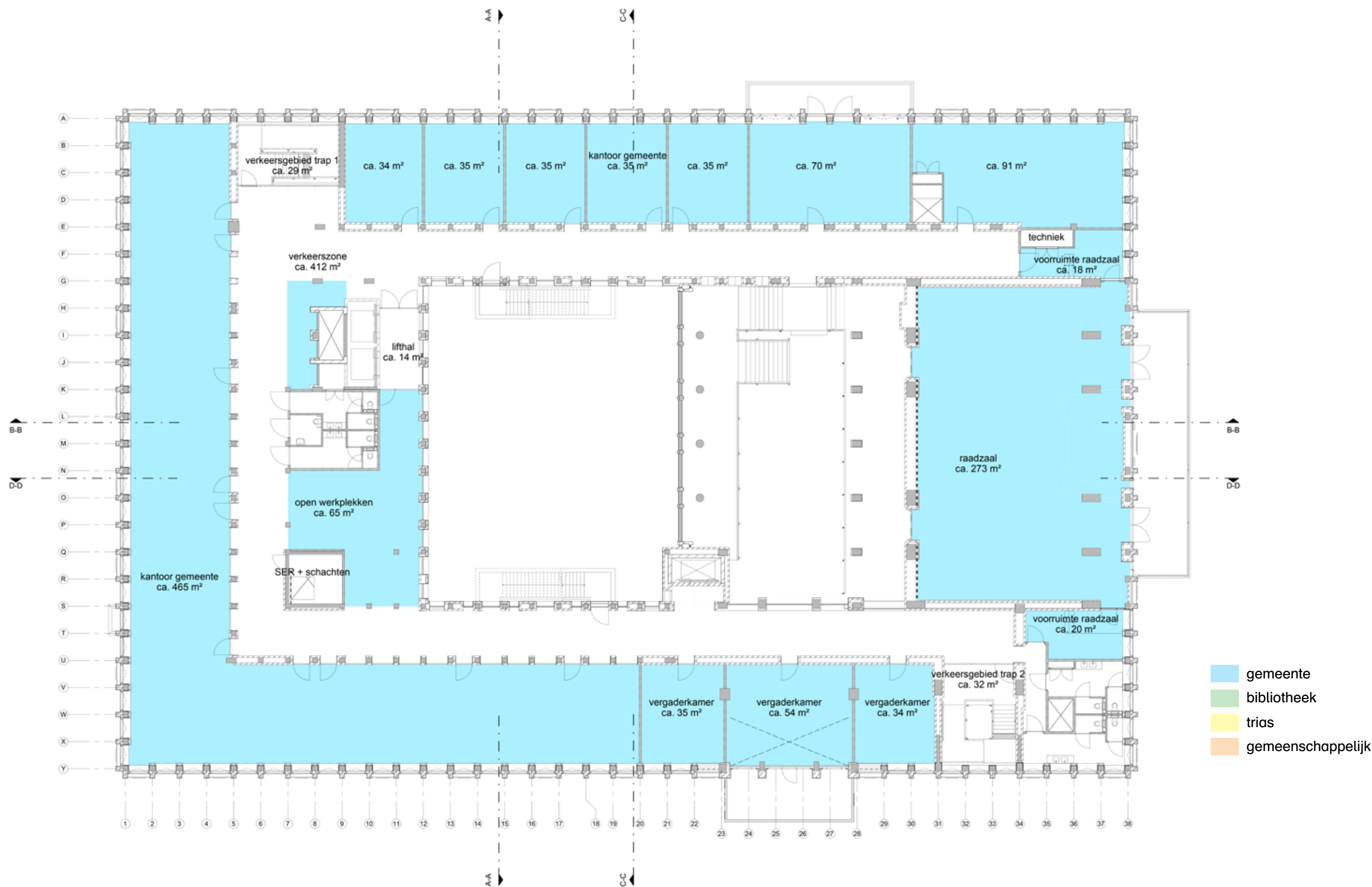
souterrain



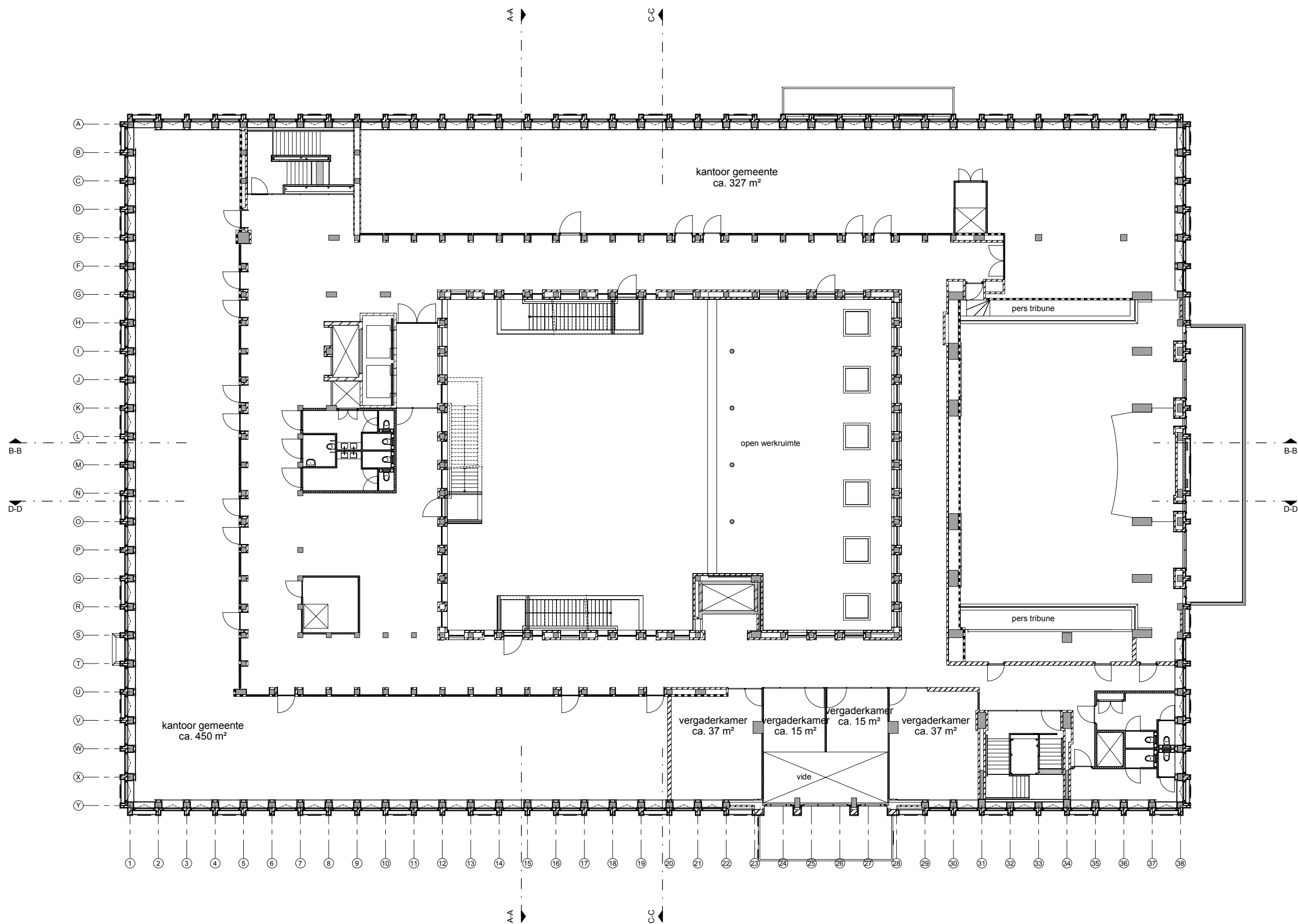
begane grond



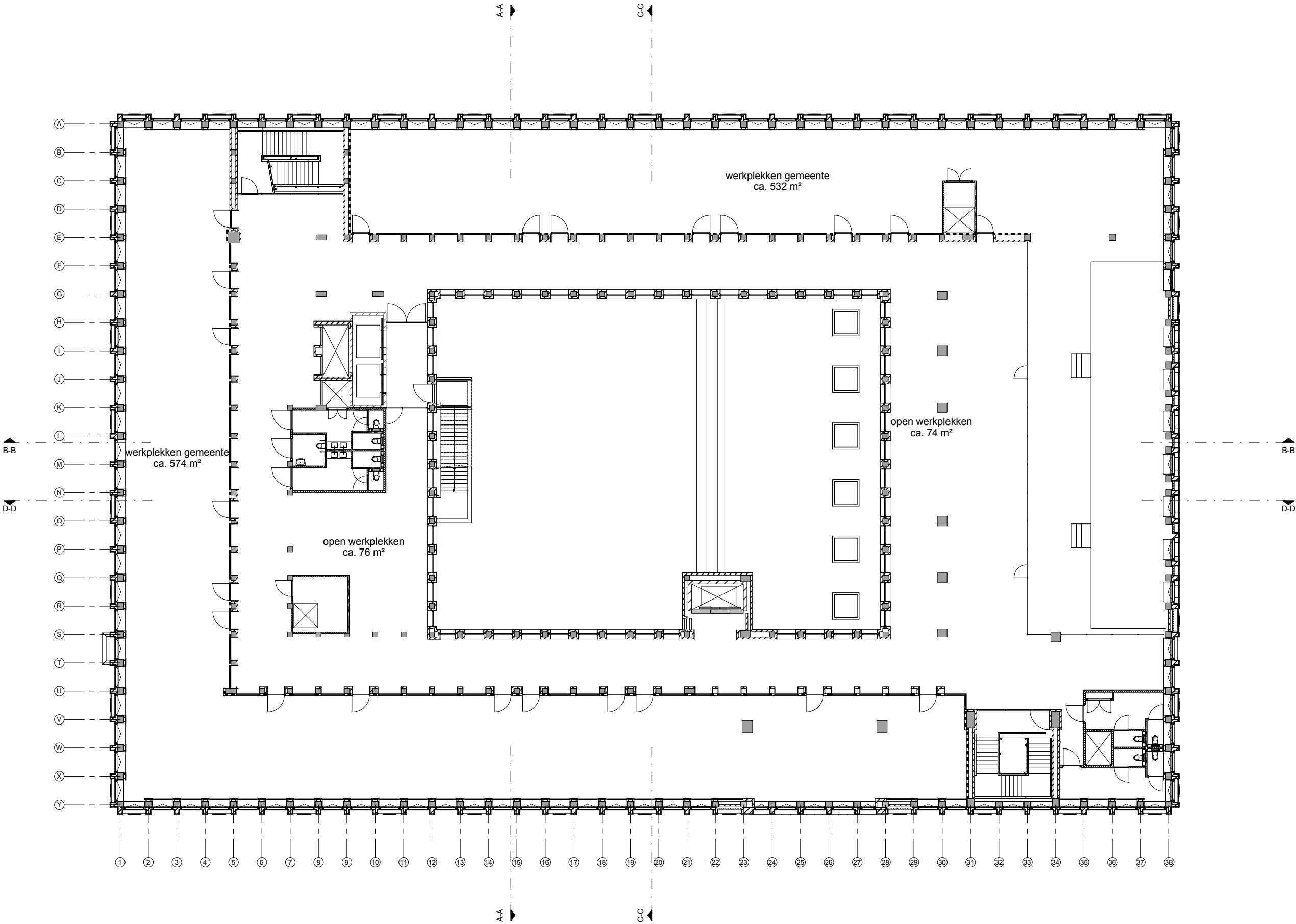
eerste verdieping



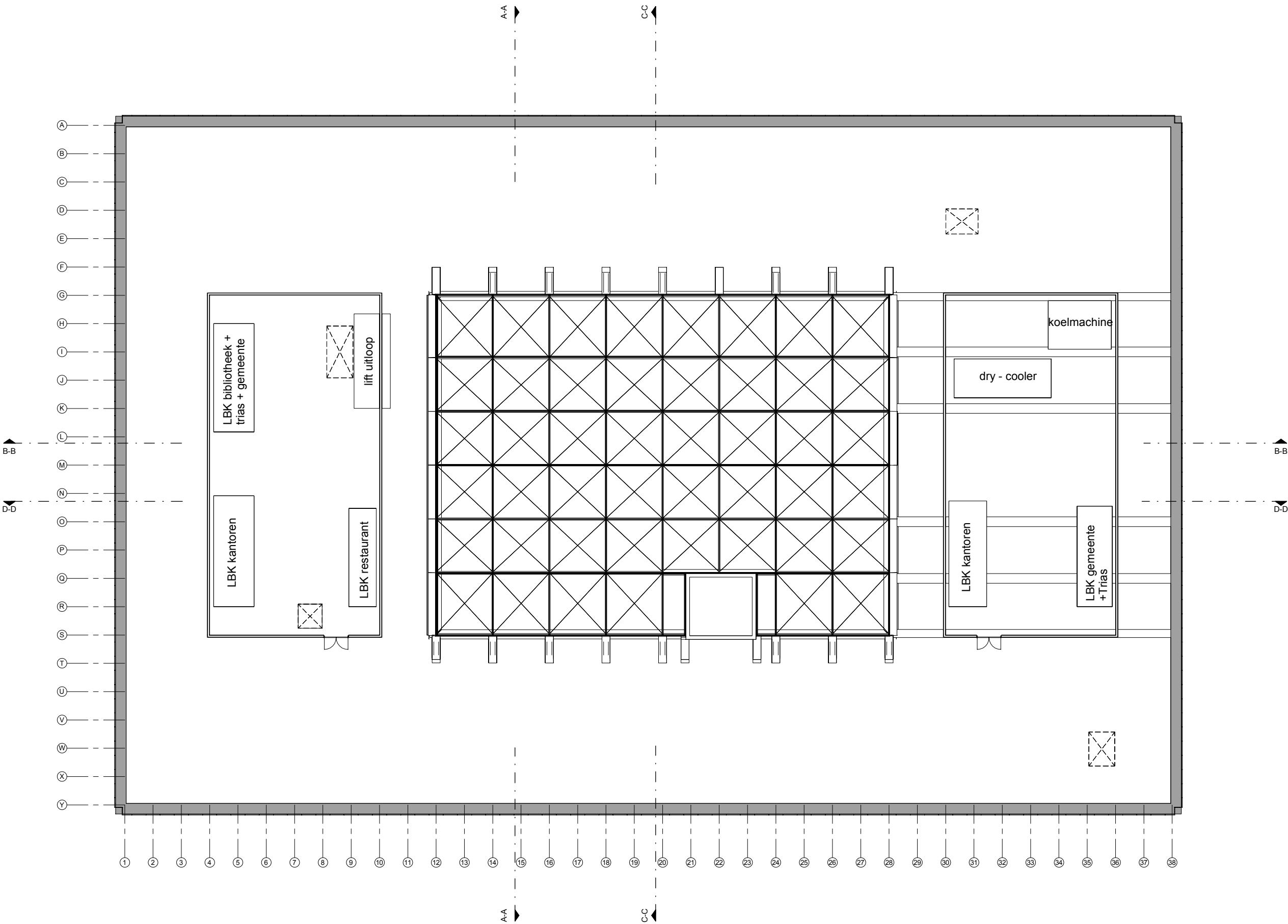
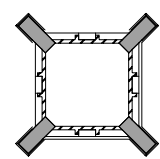
tweede verdieping
fase 2



derde verdieping
fase 2



dak plattegrond



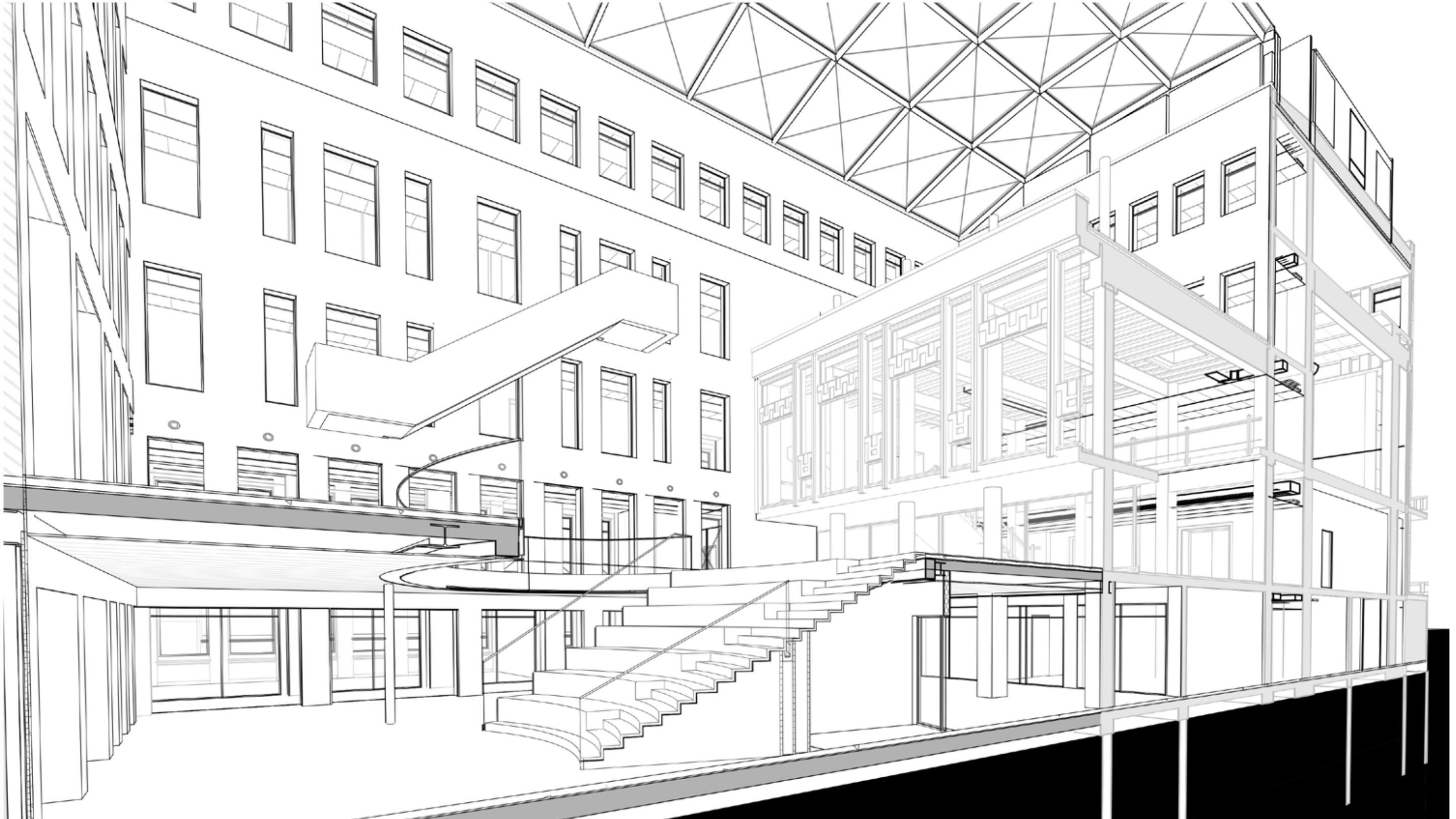
atrium

het nieuwe hart van het gebouw



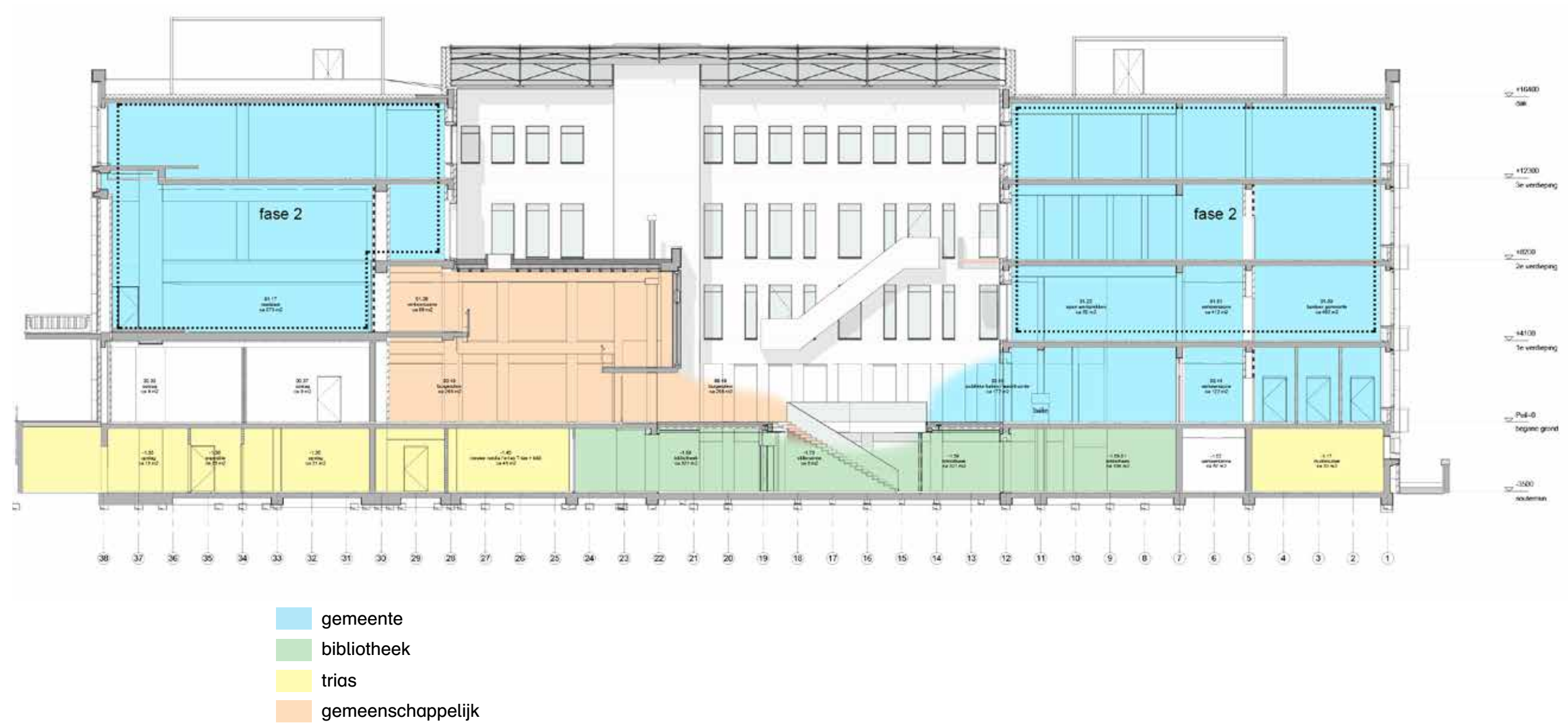
atrium

het nieuwe hart van het gebouw



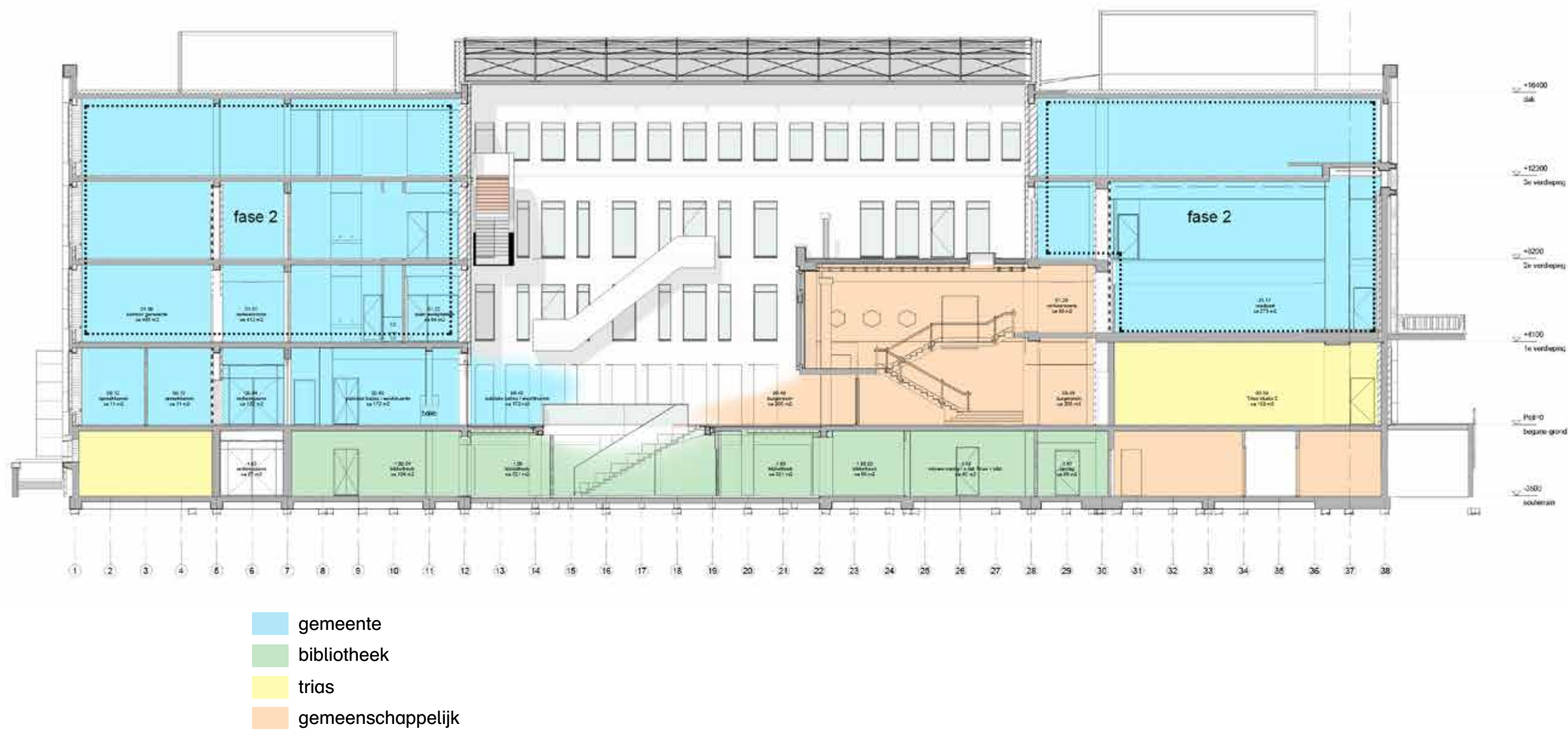
langsdoorsnede

samenhang



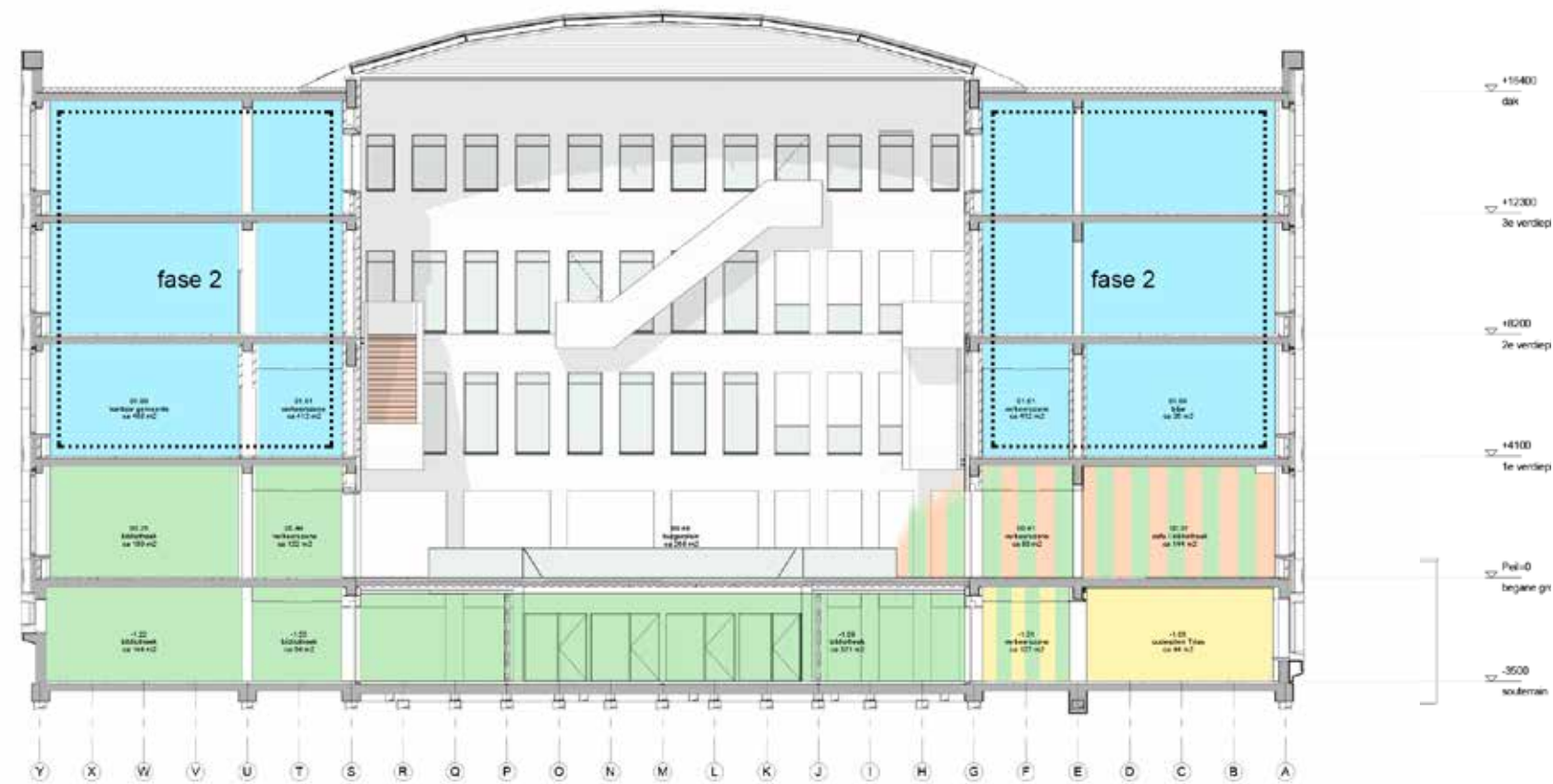
langsdoorsnede

samenhang



dwarsdoorsnede

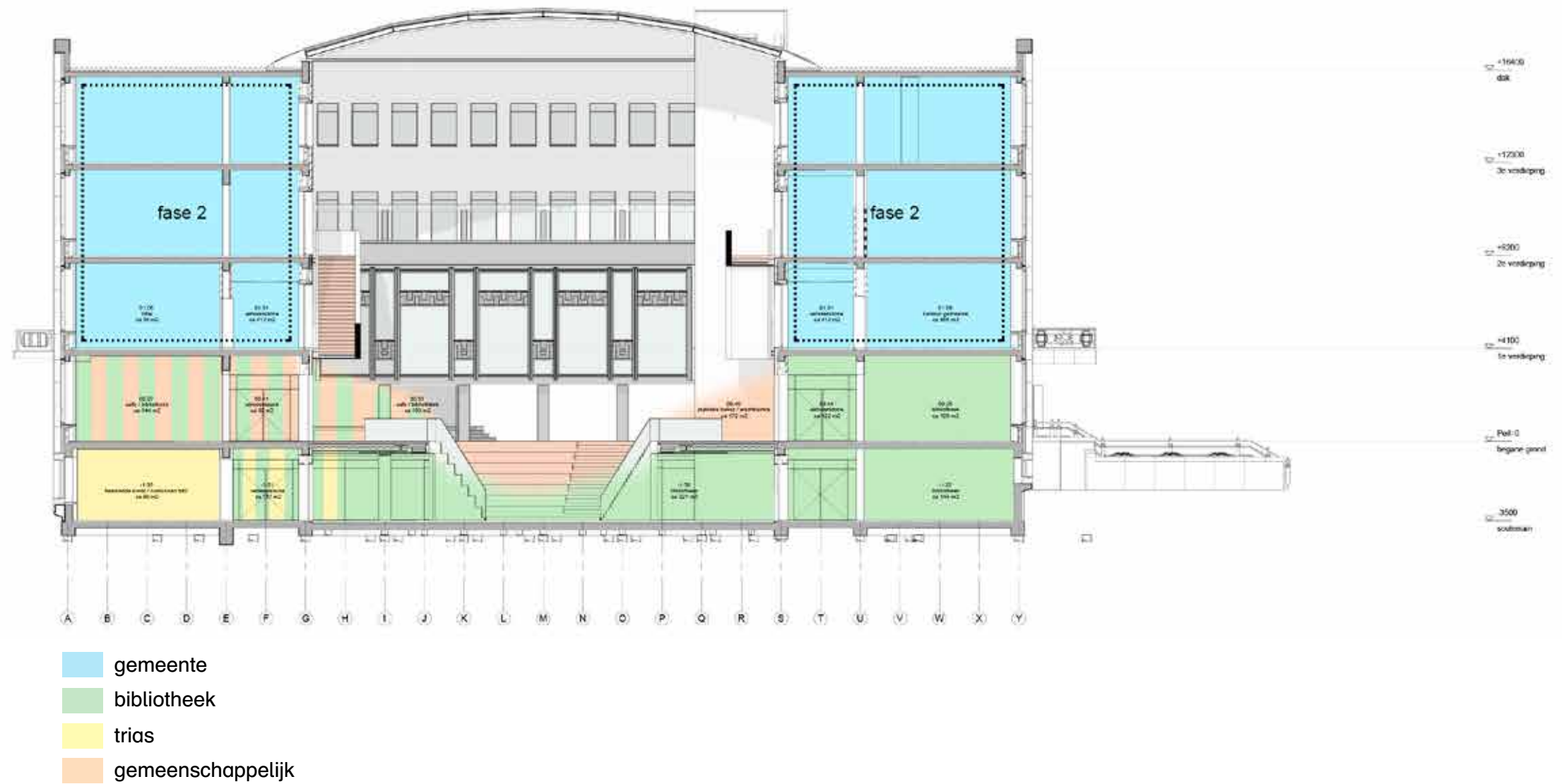
samenhang



- gemeente
- bibliotheek
- trias
- gemeenschappelijk

dwarsdoorsnede

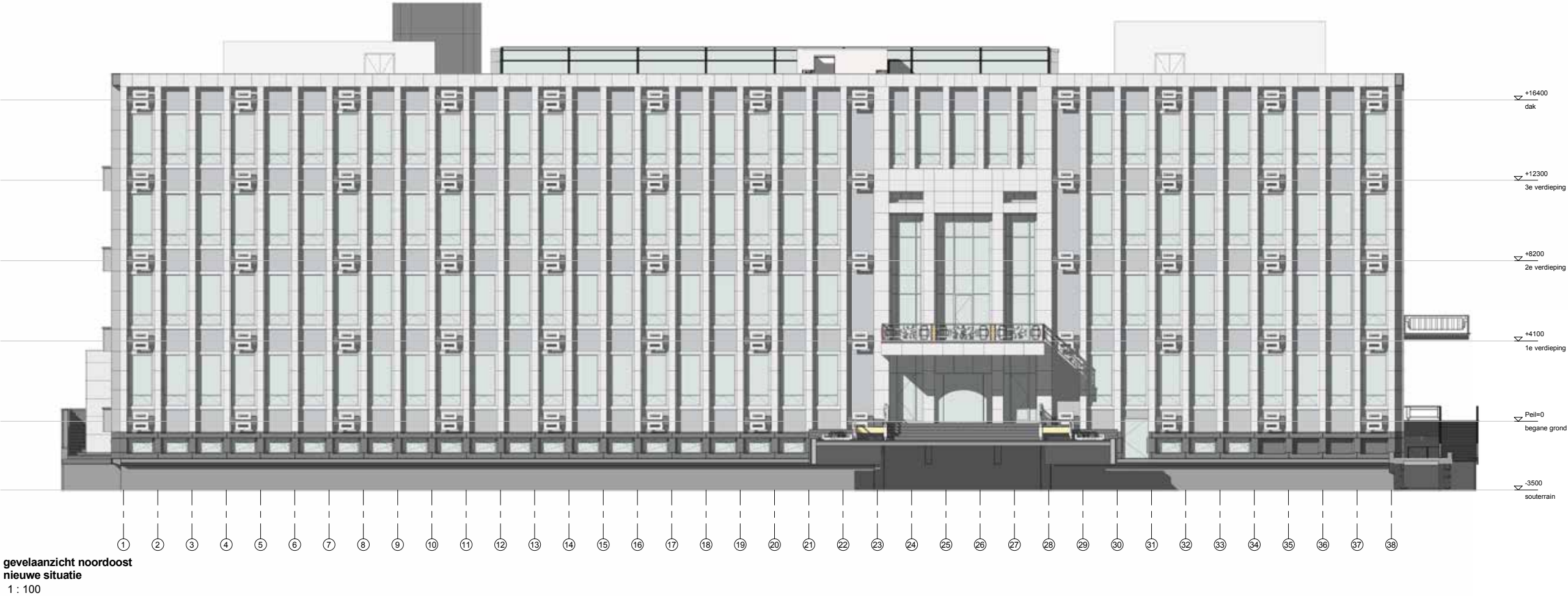
samenhang



render atrium

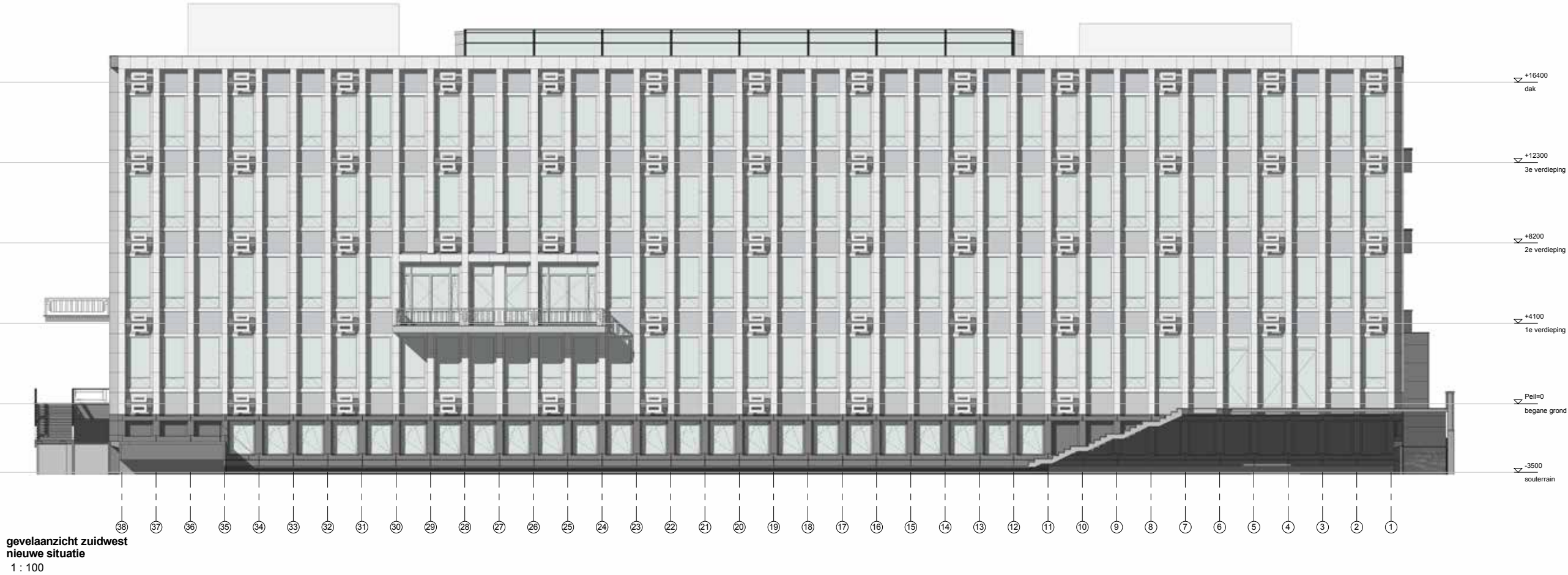
het nieuwe hart van het gebouw



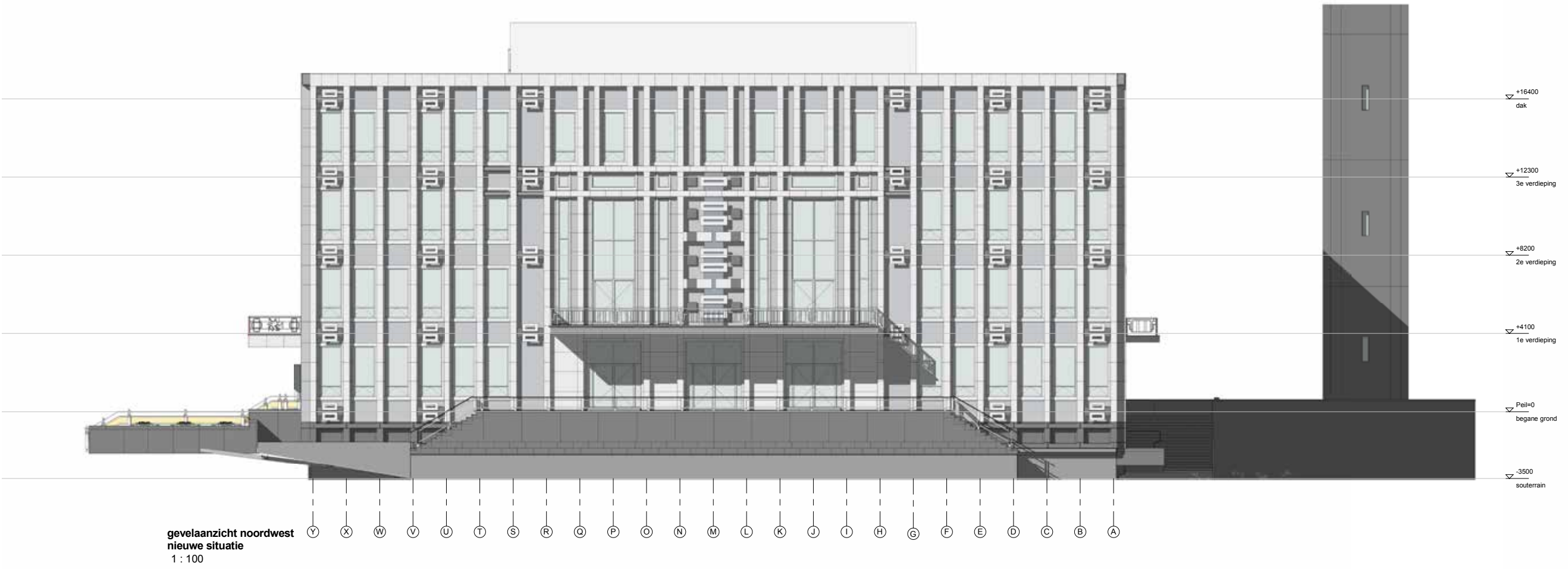


gevel
schouwburgzijde

1 : 100

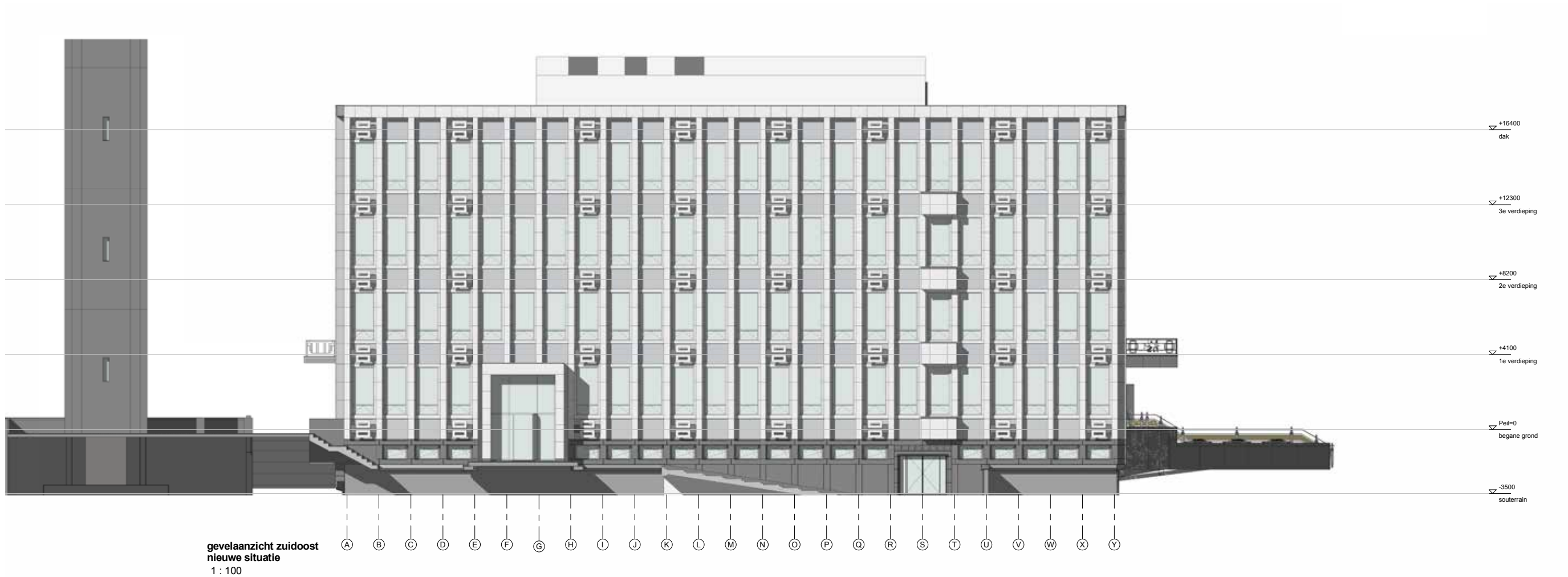


gevels
raadzaal gevel



gevel

generaal spoorlaan gevel



thematische toelichting

- gevel
- atrium
- vloerafwerking
- gangzones
- klimaatsysteem
- akoestiek
- brandcompartimenten

gevel

destructief onderzoek
renoveren en schoonmaken
nieuwe kozijnen
bouwfysisch optimaliseren



gevel

repareren en renoveren



gevel

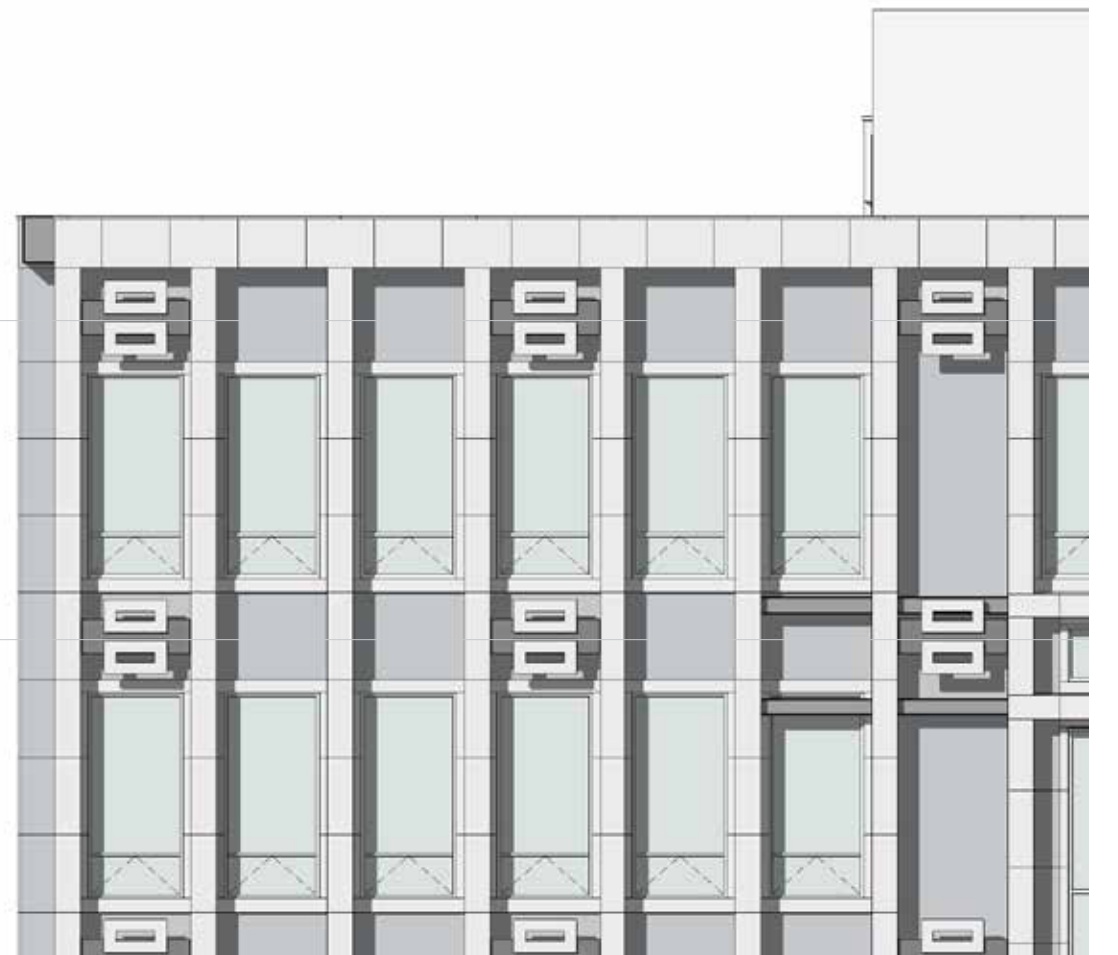
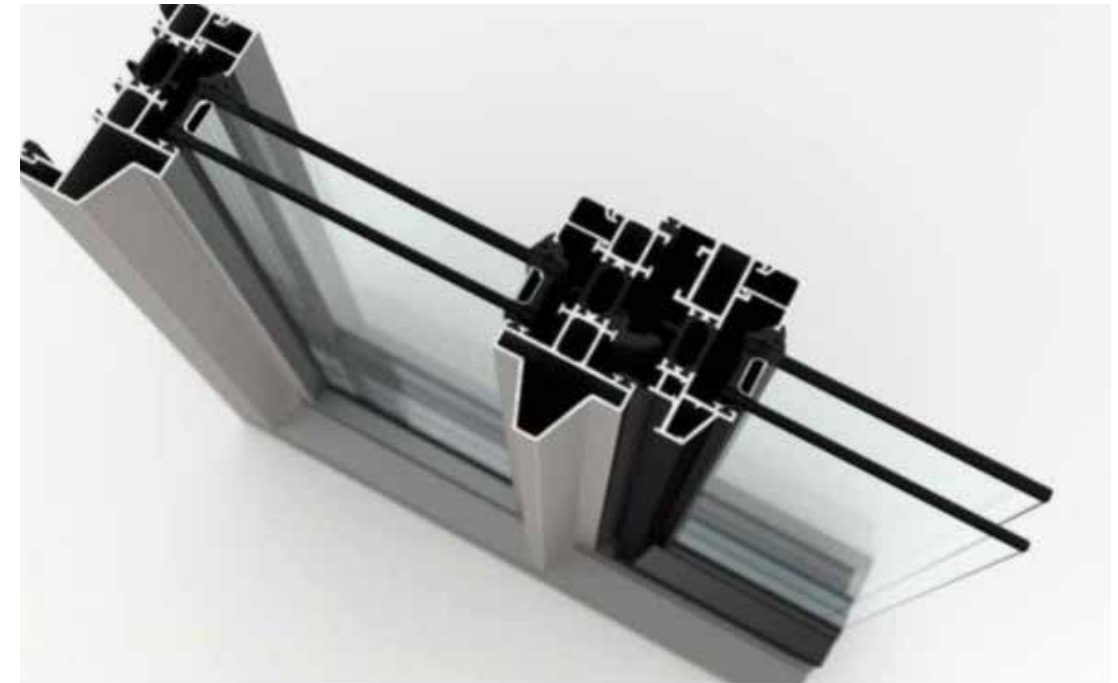
destructief onderzoek kozijnen



- de console waarop de natuursteen vensterbank rust bestaat uit een deel met het buitenspouwblad van de borstwering. In de detaillering is hier een oplossing voor aangebracht.
- In de spouw bevindt zich geen isolatie. Er bevindt zich geen tweede astbesthoudende kitvoeg aan de buitenzijde van het kozijn.
- geen nieuwe verrassingen gevonden tijdens het destructief onderzoek.

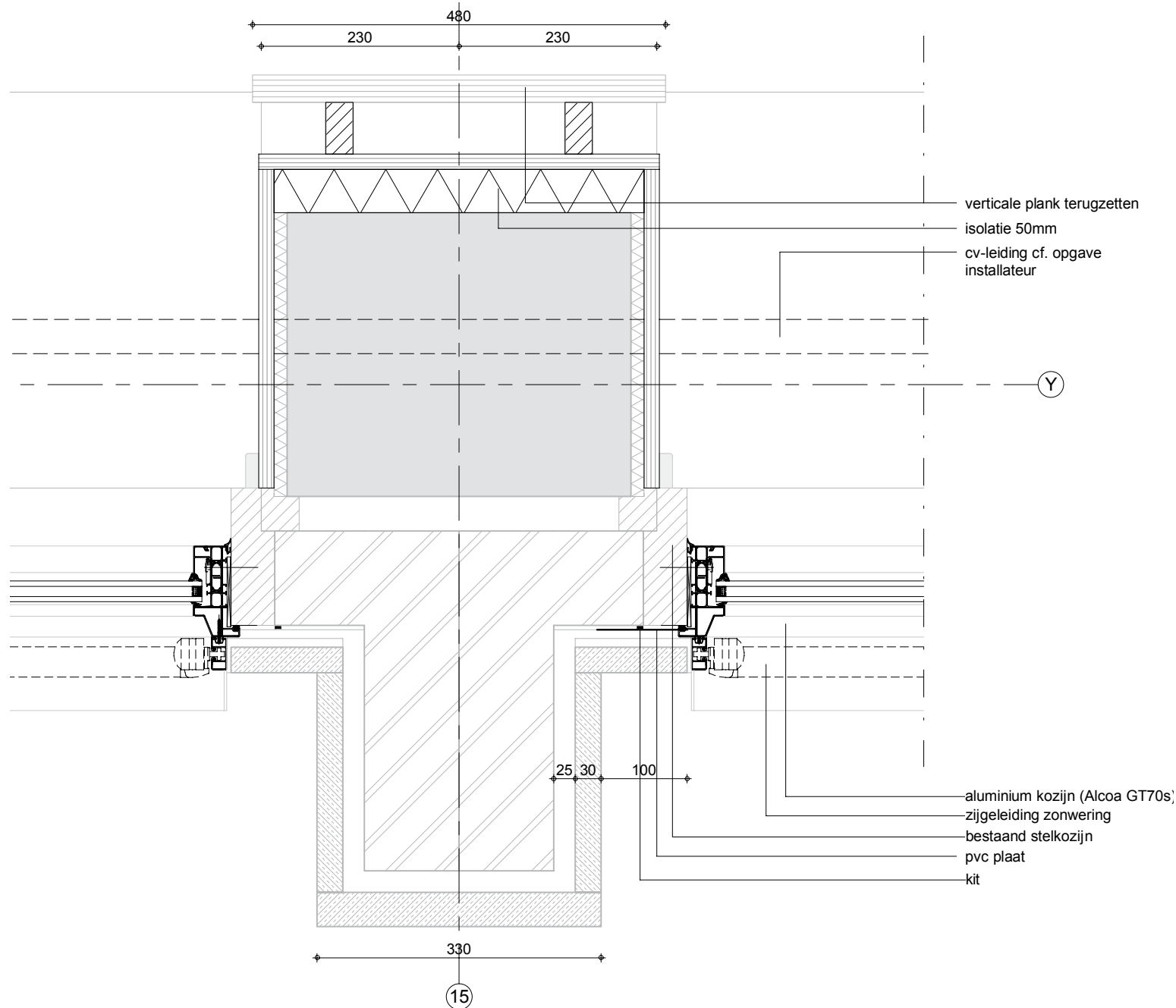
kozijnen

nieuwe kozijnen enkele onderstijl + zonnewering op zonbelaste gevels

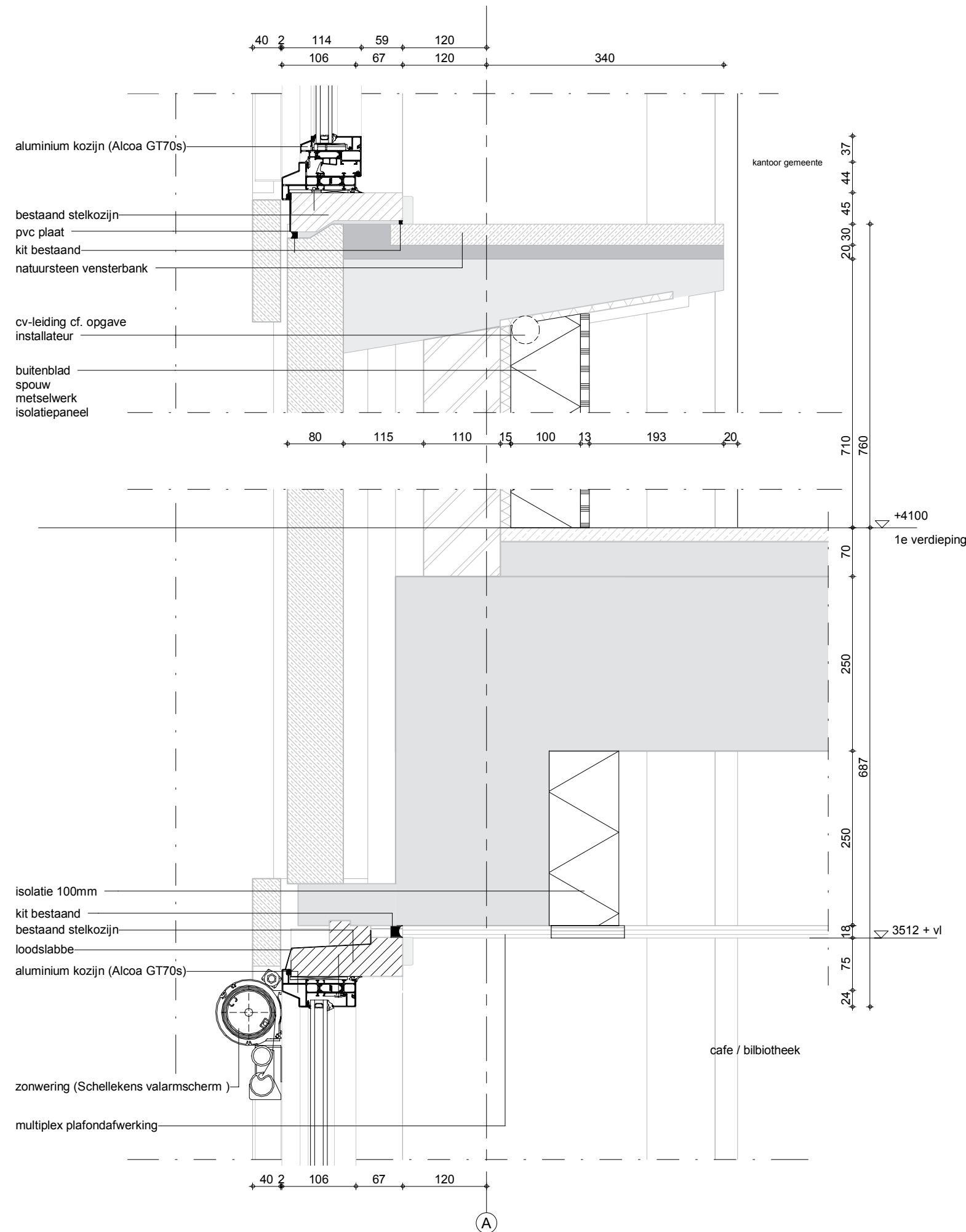


geveldetails

uitwerking bouwfysische gevelrenovatie



- onderbreken koudebrug door aanwarmen constructie
- nieuwe kozijnen alcoa gt70 aluminium of gelijkwaardig
- zonwering toevoegen op zonbelaste gevels



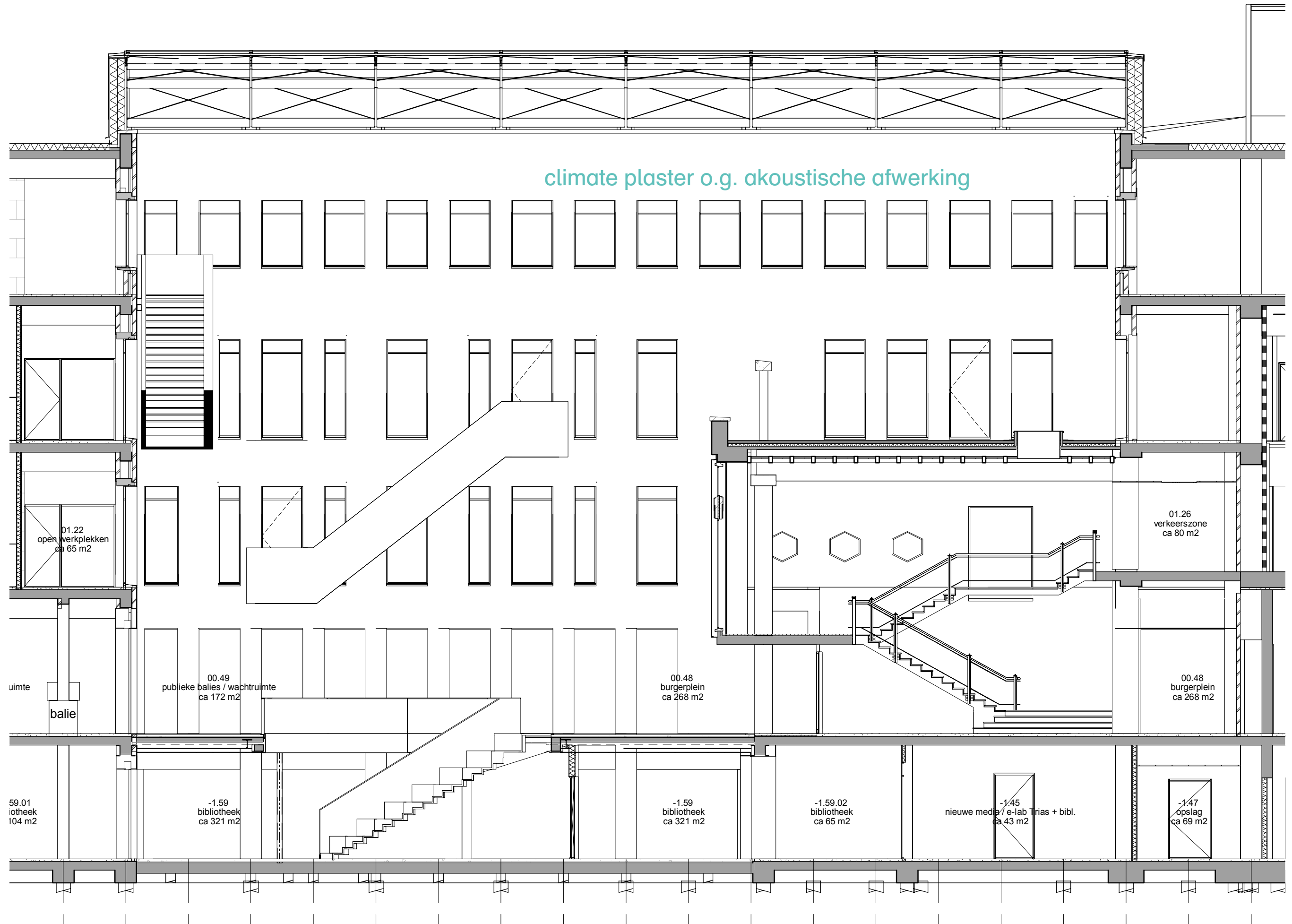
atrium

atrium als nieuw hart
tribune - dak - trappen - vide
binnengevel atrium
technisch verduurzamen



binnengevel atrium

nieuwe kozijnen - akoestische demping



nieuwe hart van het gebouw

ruimte voor de bewoners van rijswijk



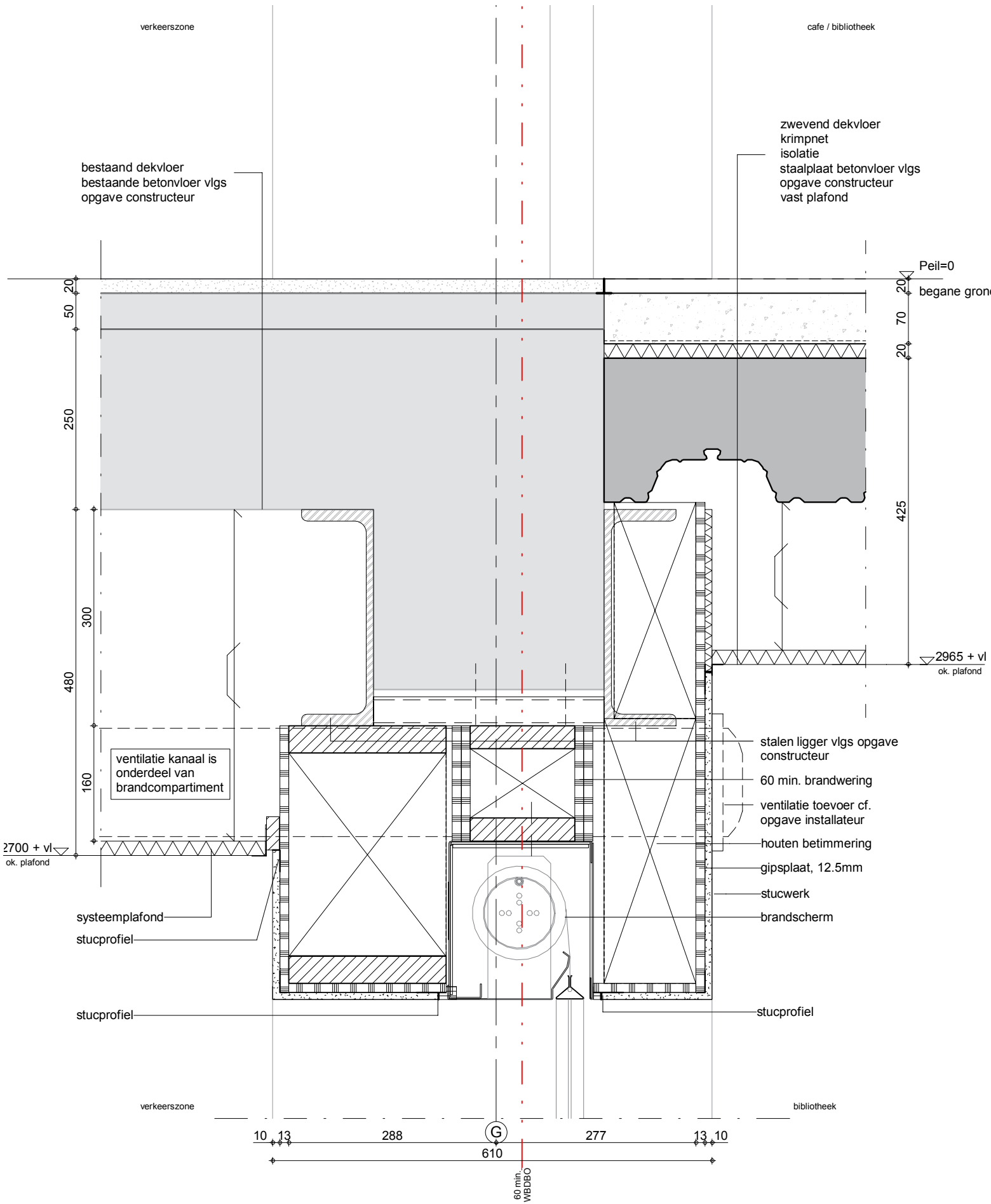
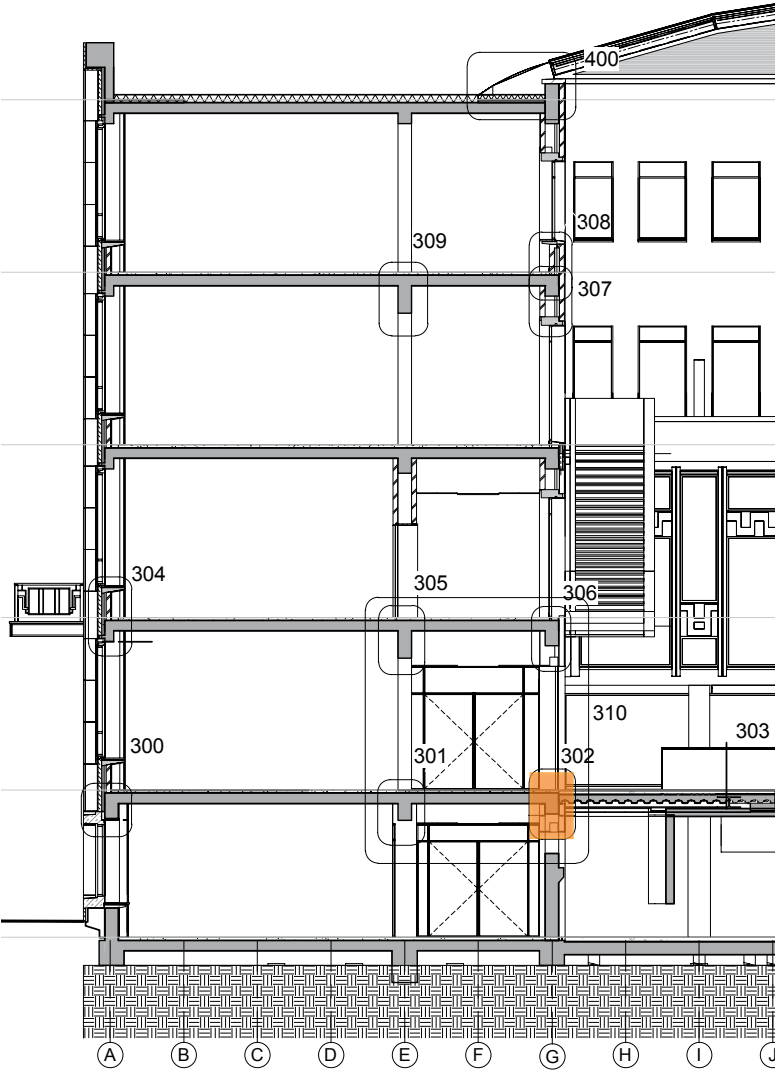
de huiskamer van rijswijk

ruimte voor de bewoners van rijswijk

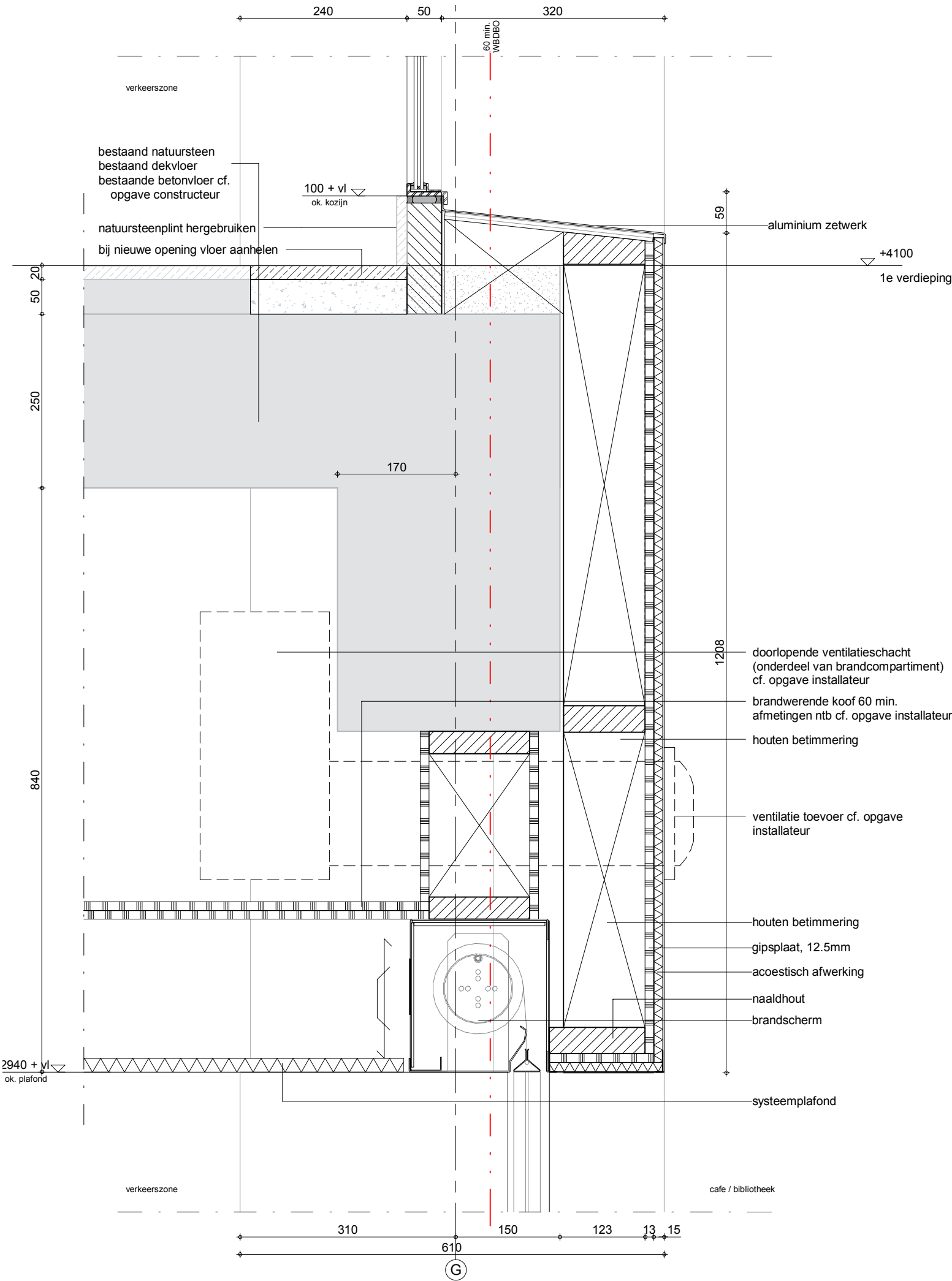
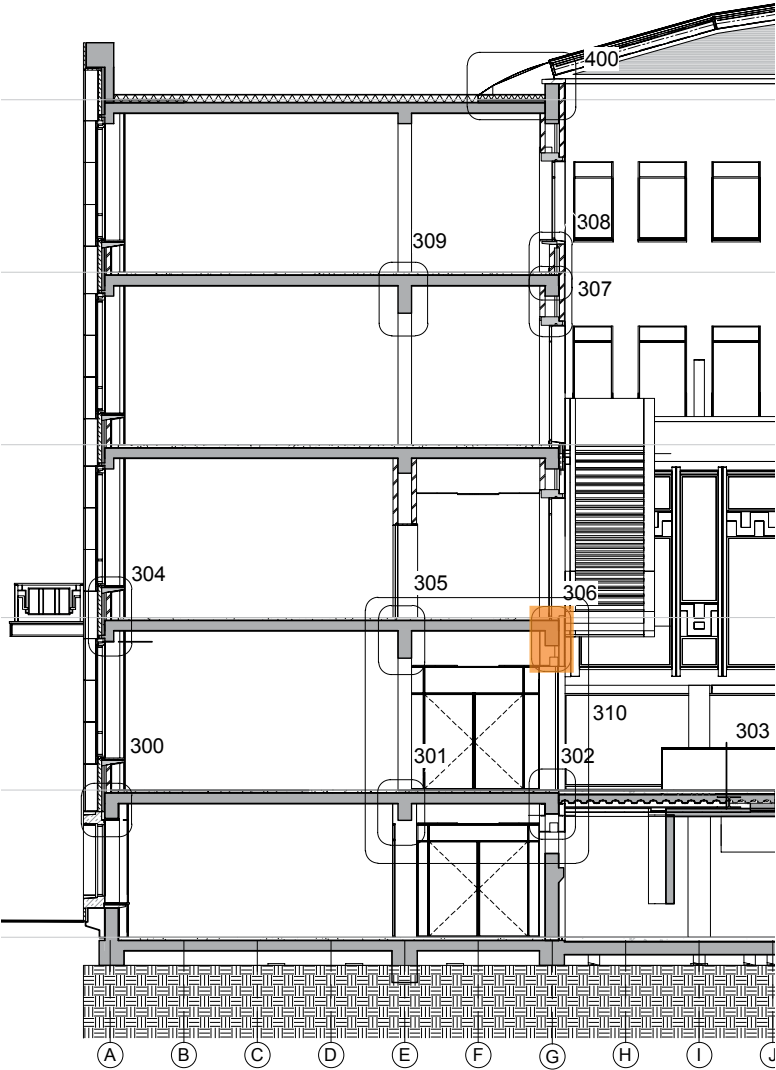


binnengevel atrium

detail 302 1:5

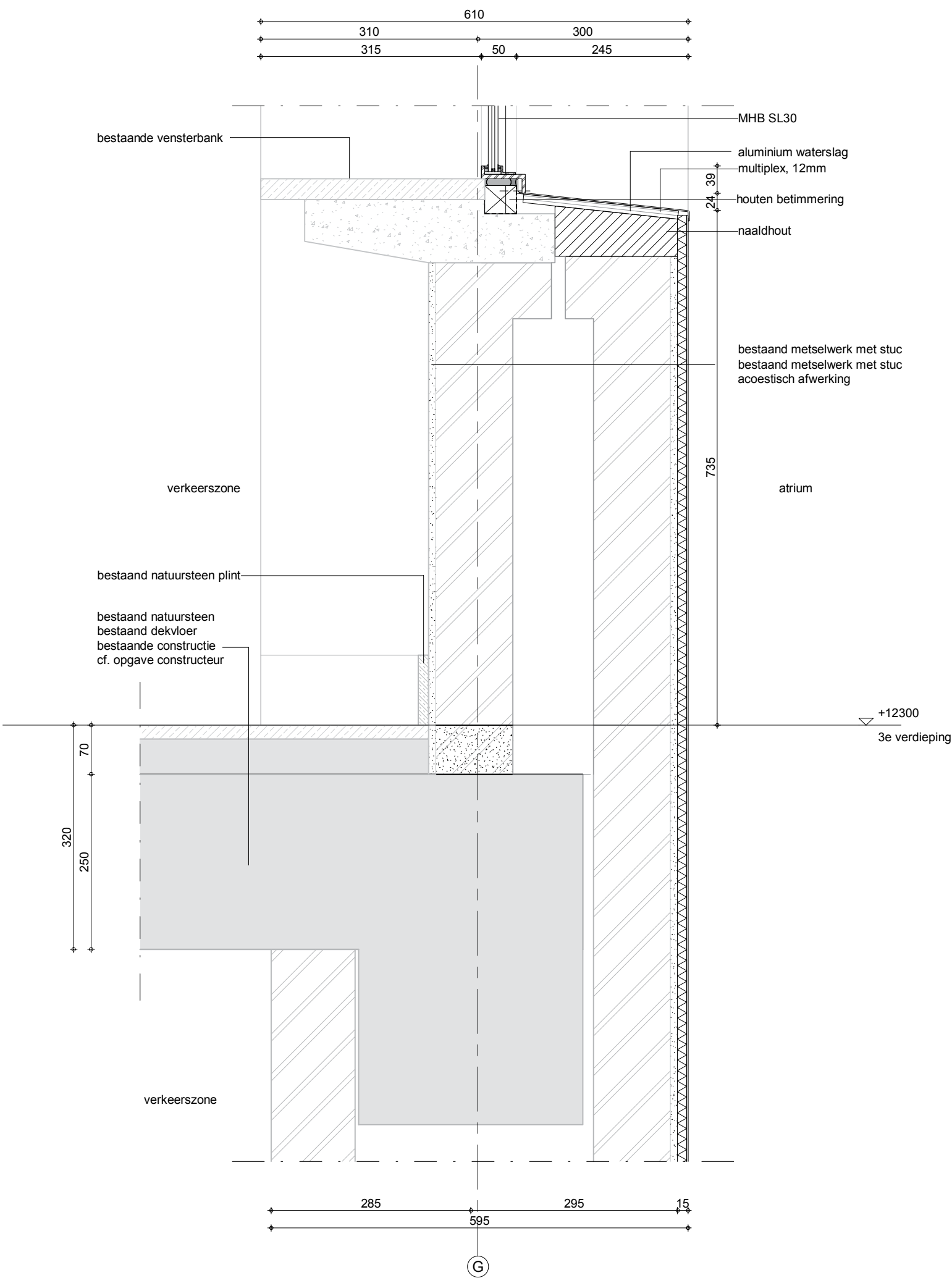
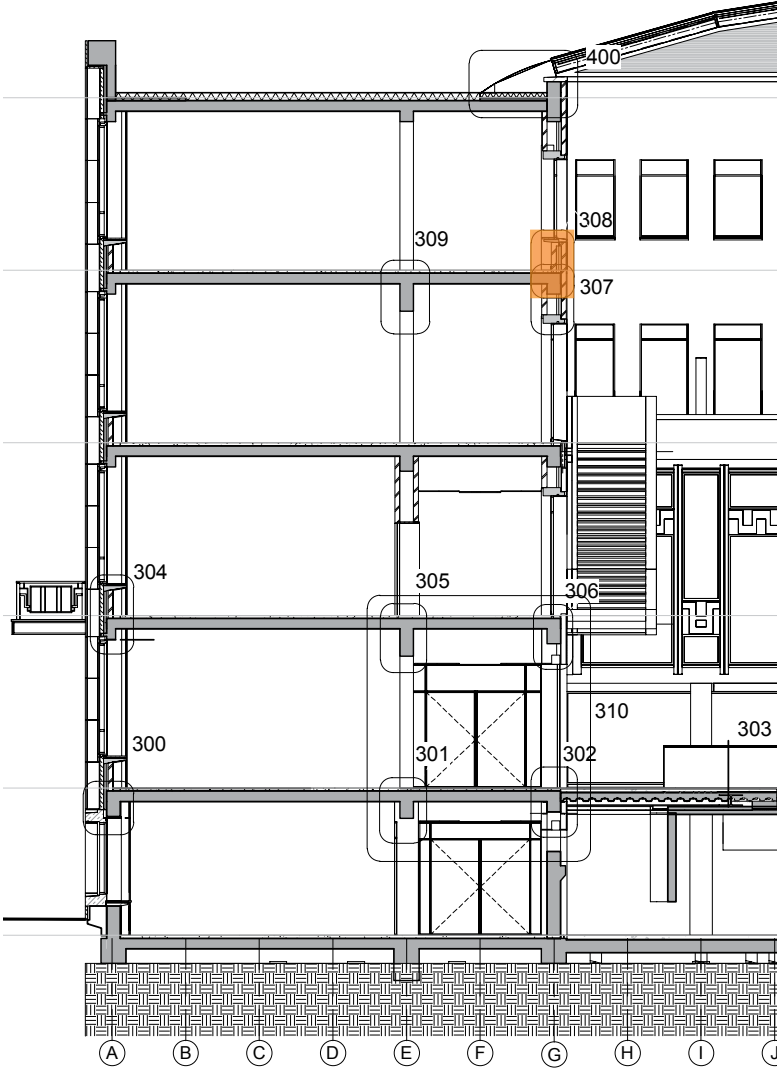


binnengevel atrium
detail 306 1:5



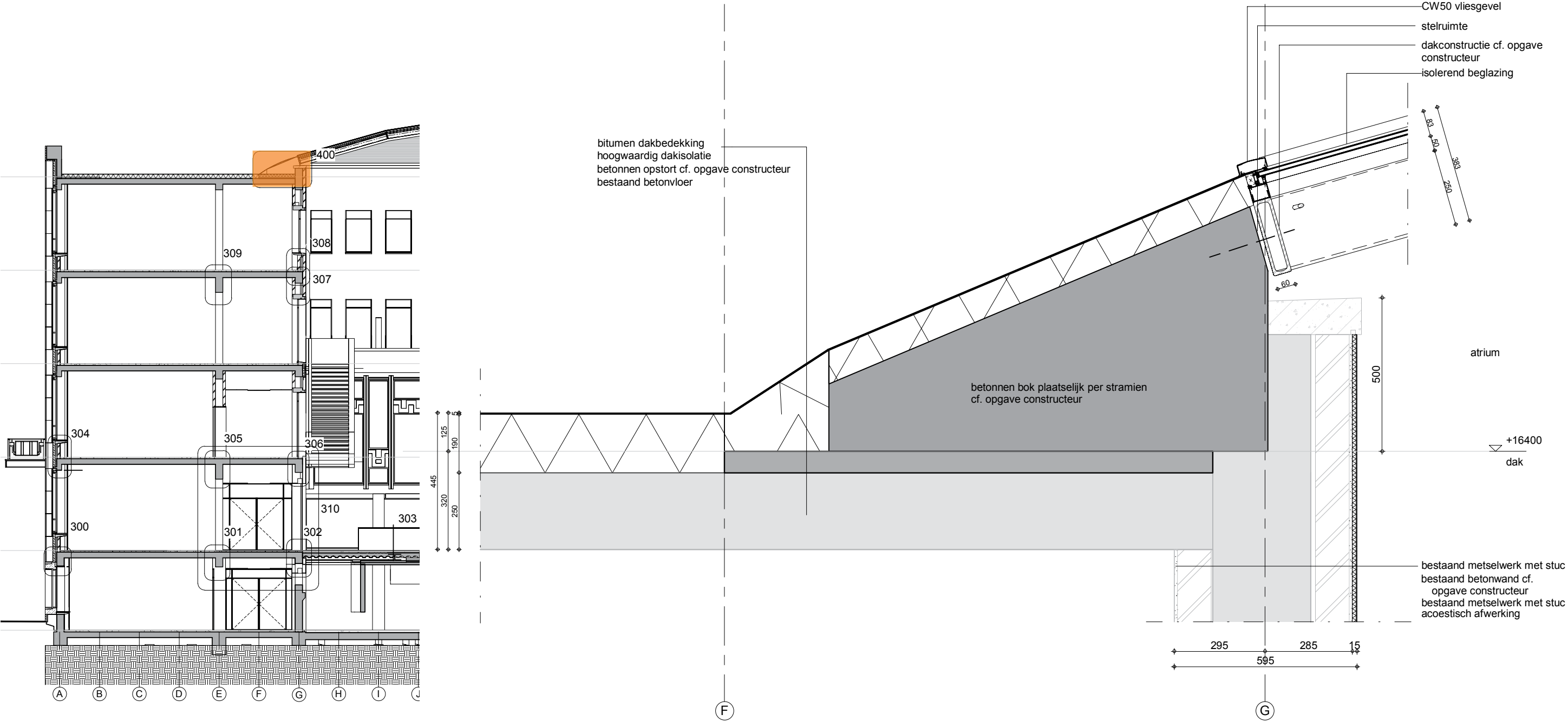
binnengevel atrium

detail 308 1:5



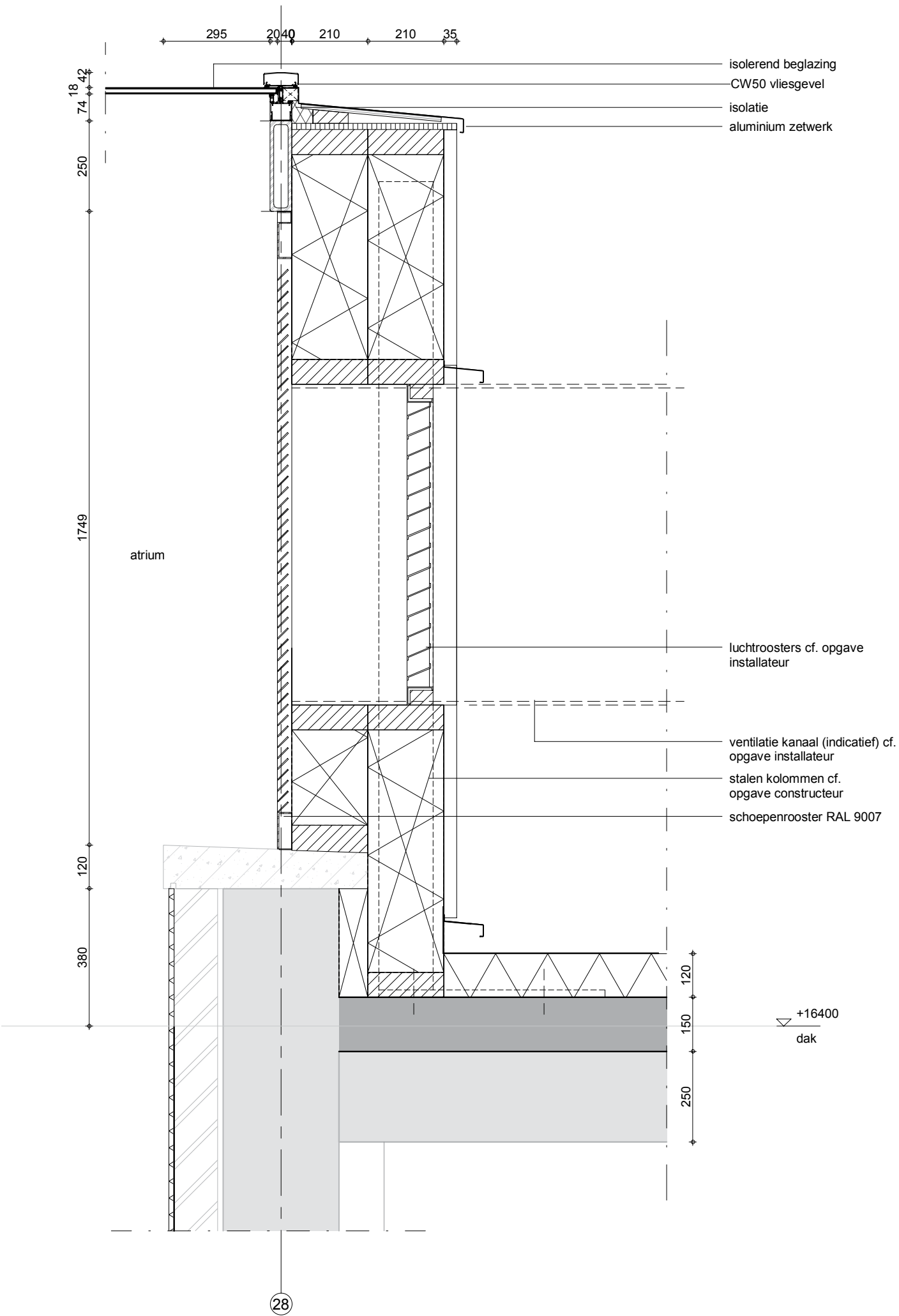
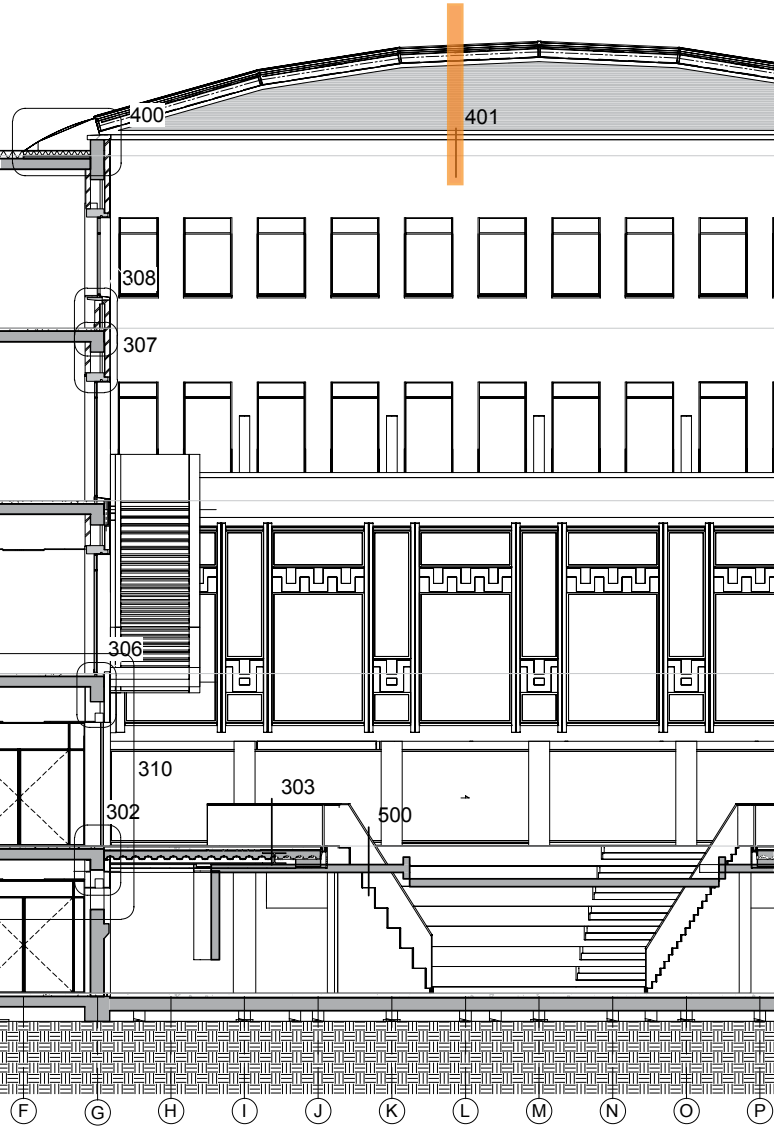
detail atriumdak

detail 400 1:5



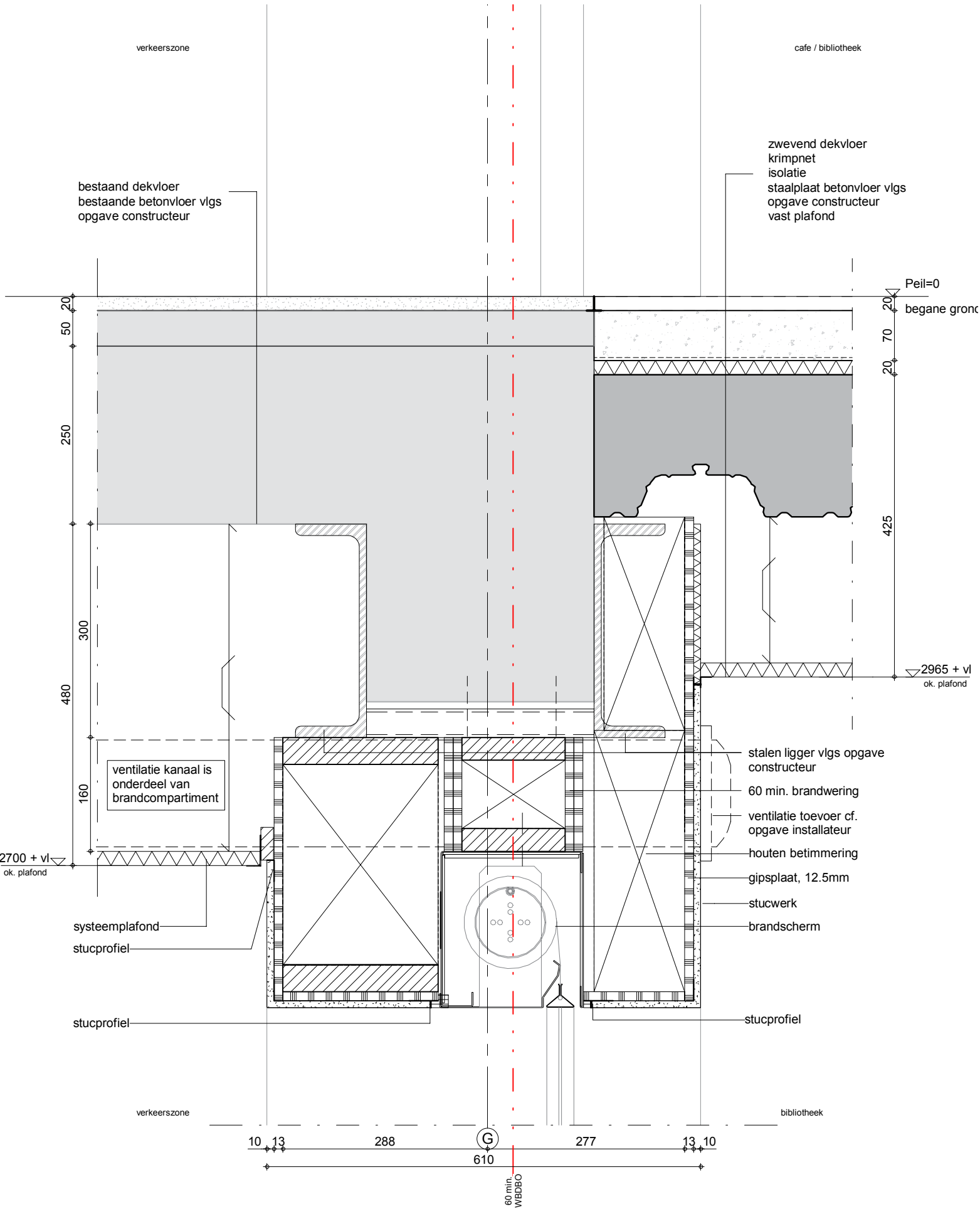
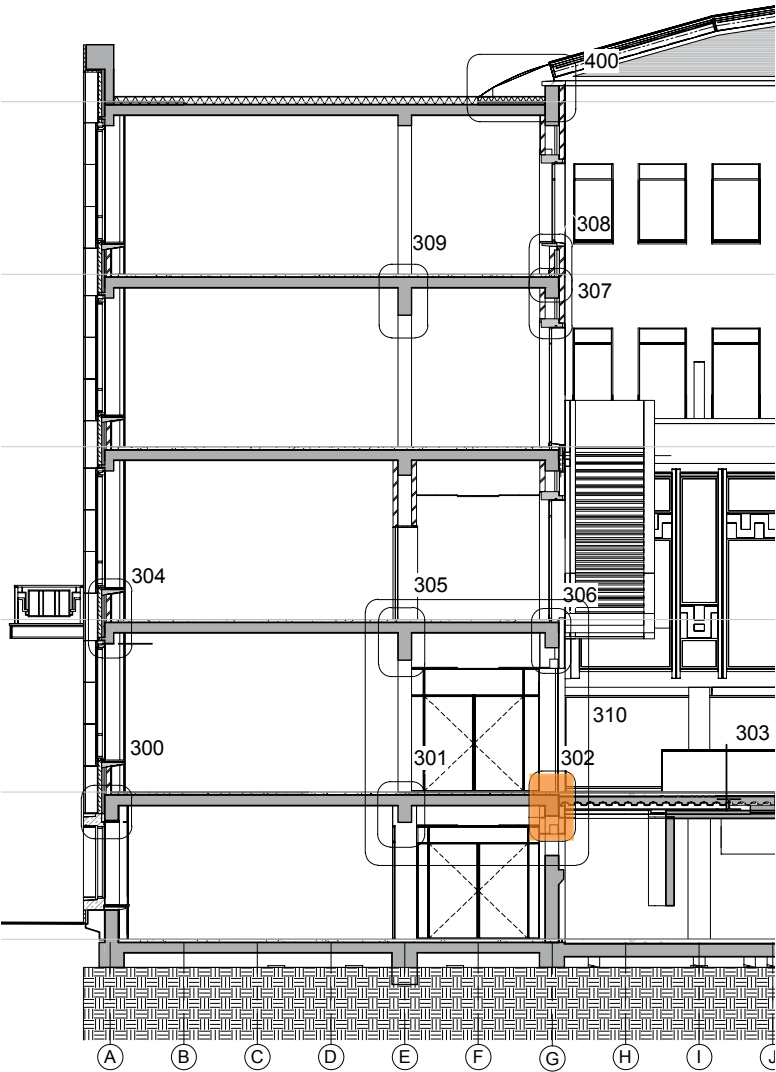
binnengevel atrium

detail 401 1:5



principe nieuwe atriumvloer

constructie - vloerverwarming

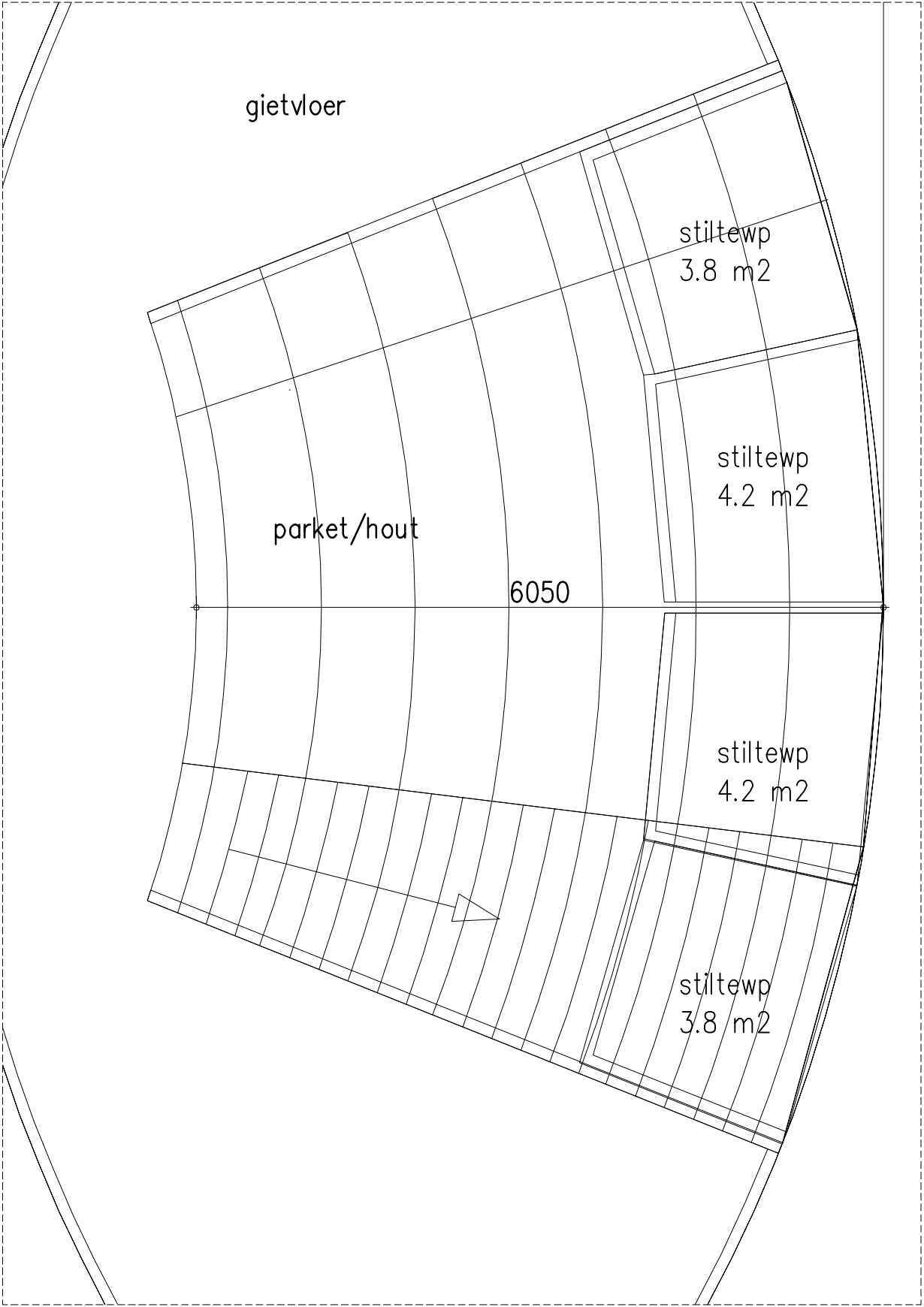
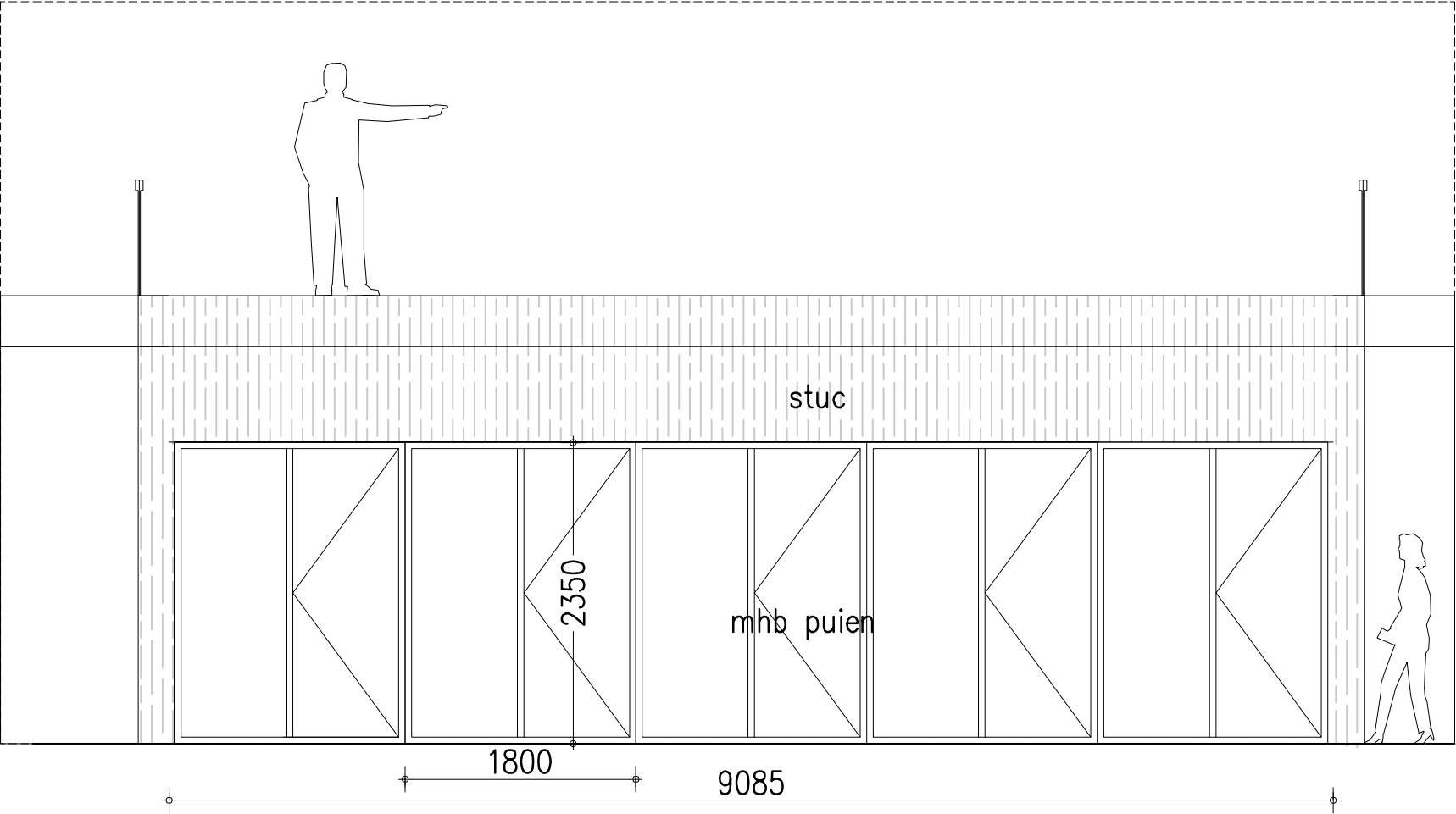
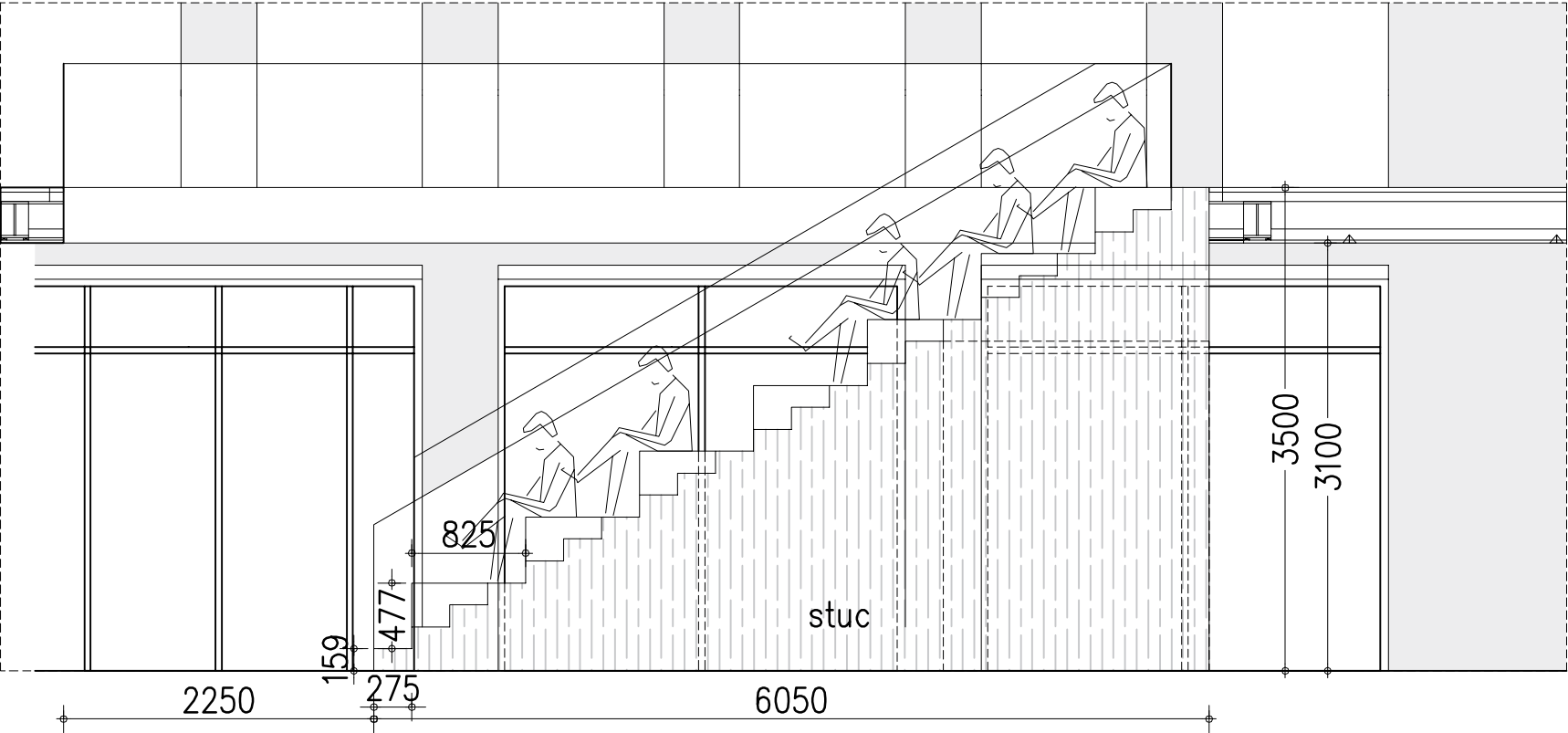


atrium tribune - trap

voorlezen - presentaties - zitten

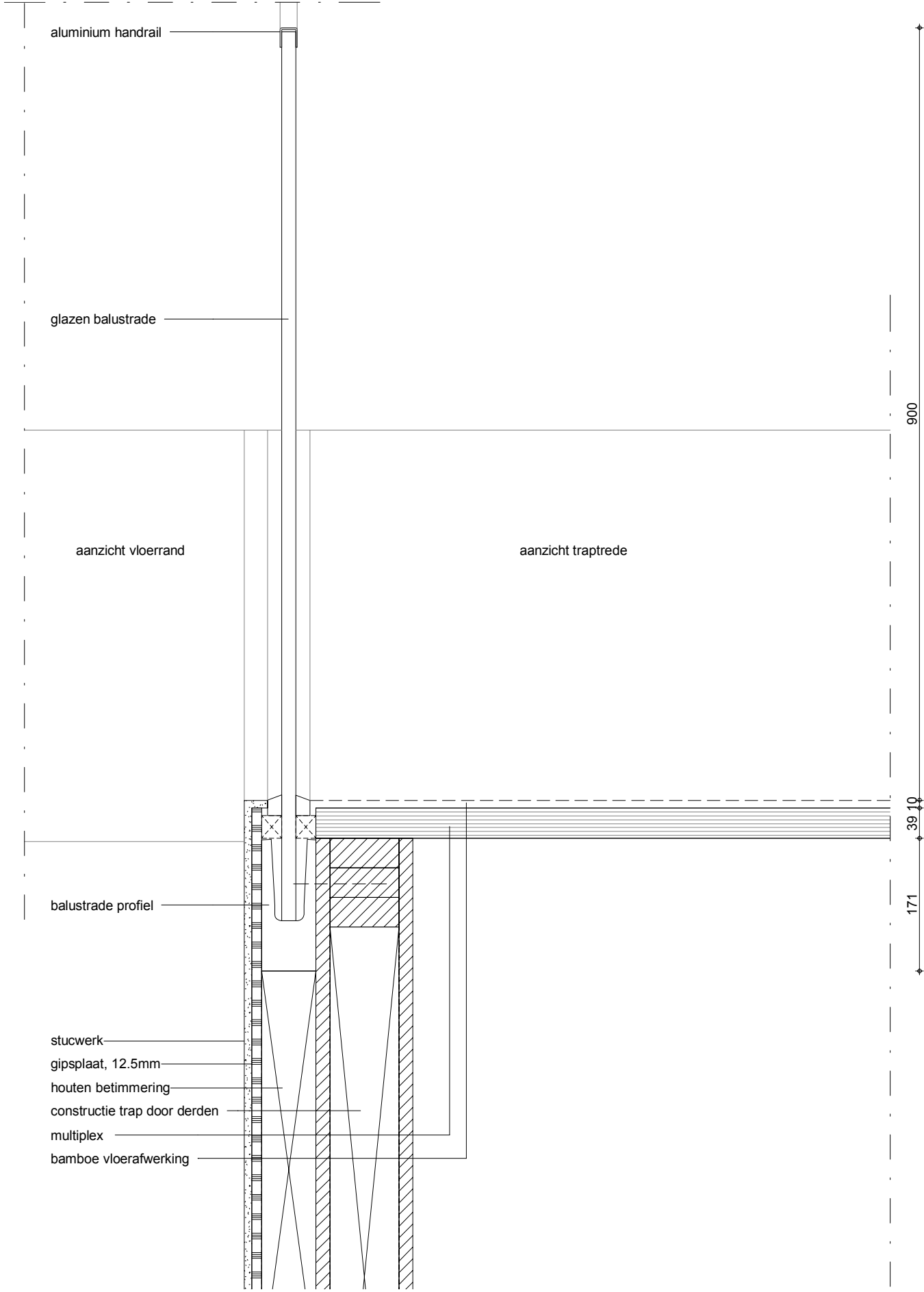
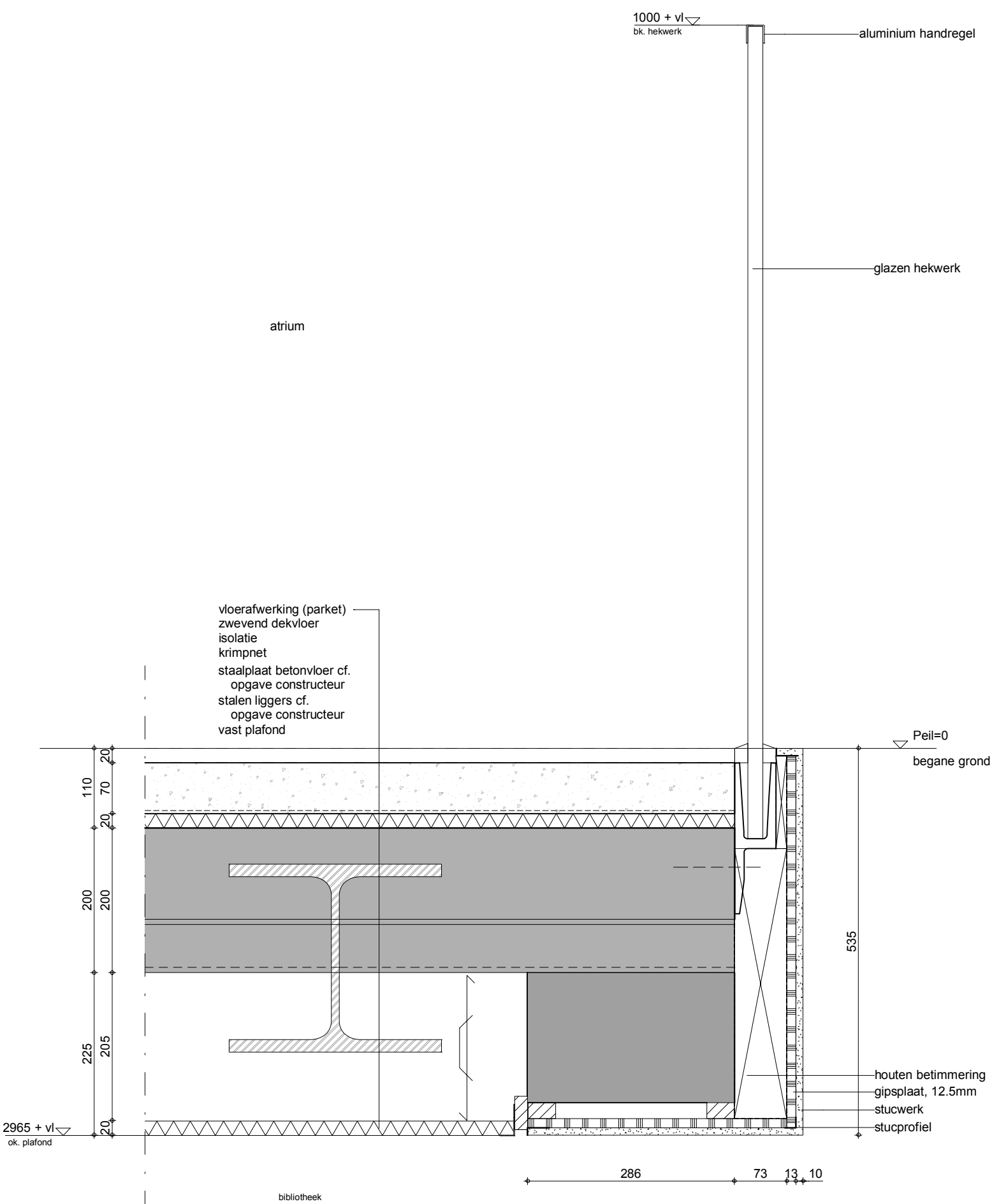


atrium tribune - trap
lezen - presentaties - zitten



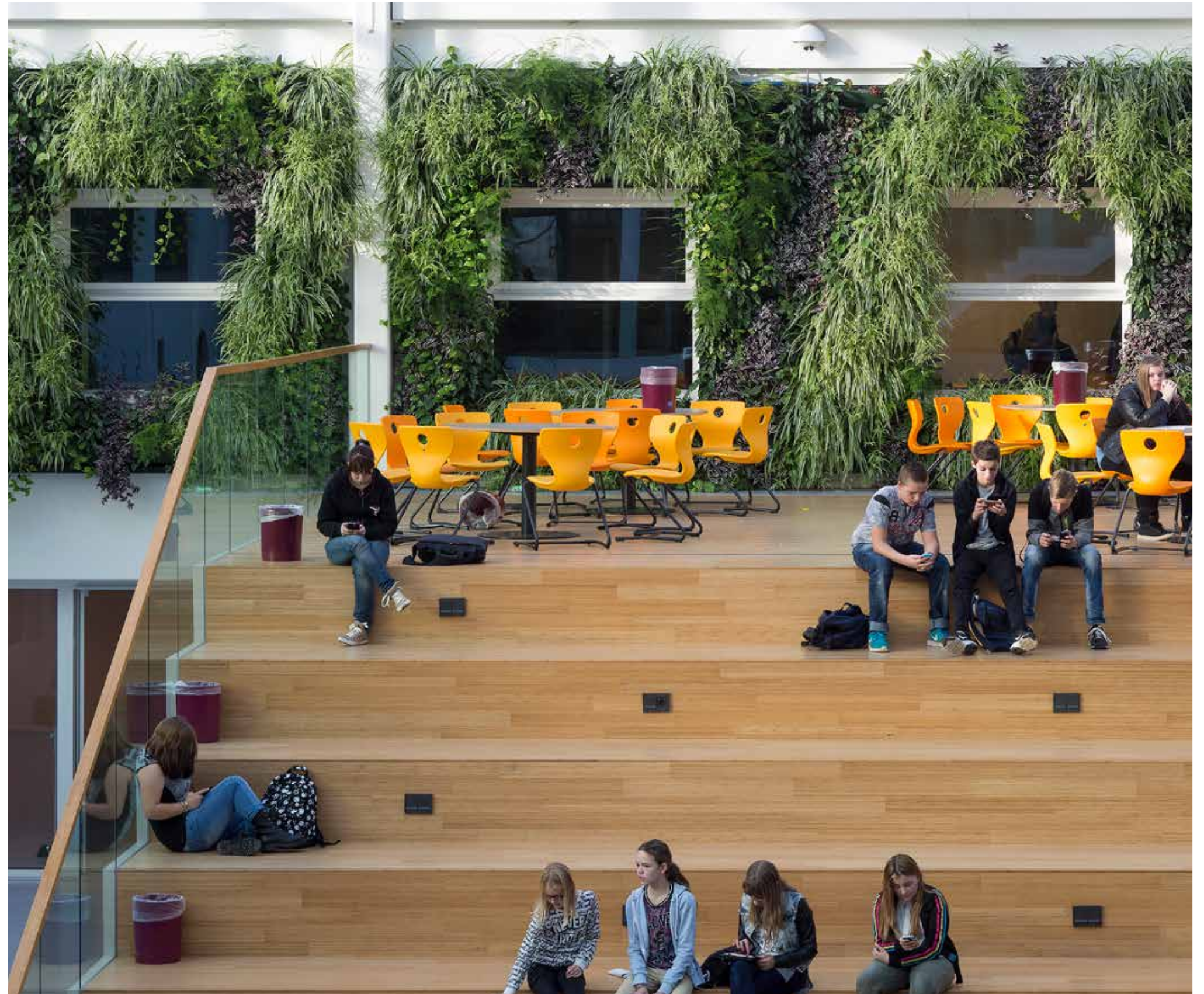
detaillering tribune - trap

constructie - vloerverwarming



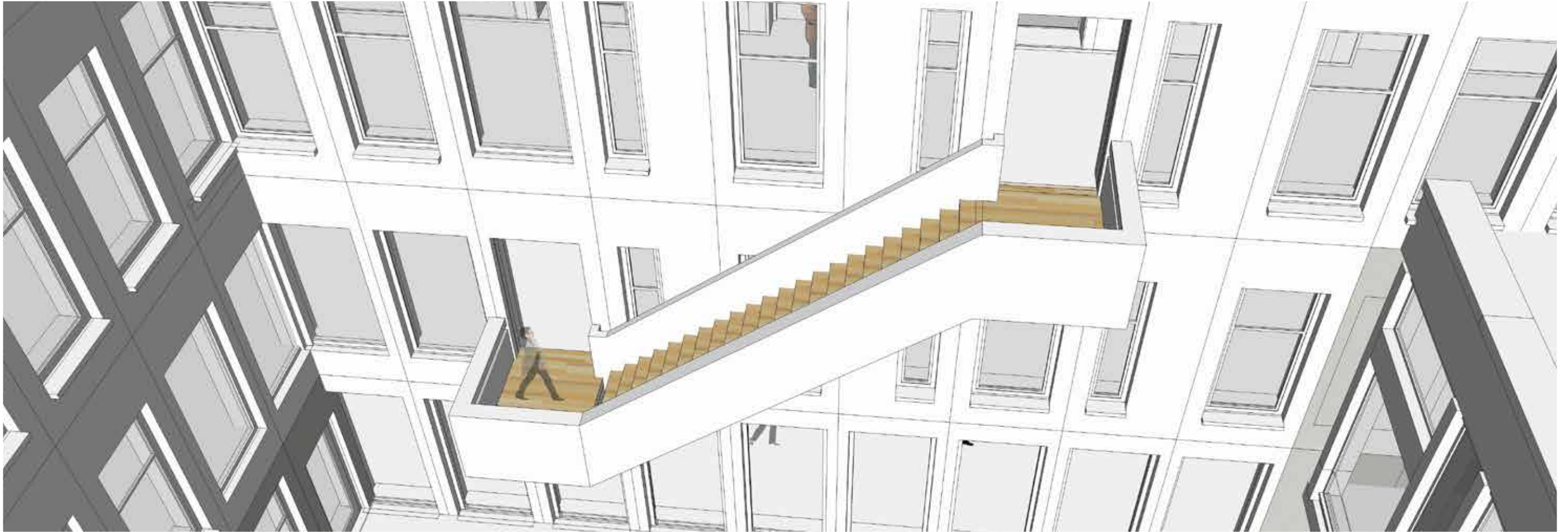
referenties tribune

Clusius Alkmaar (inbo)



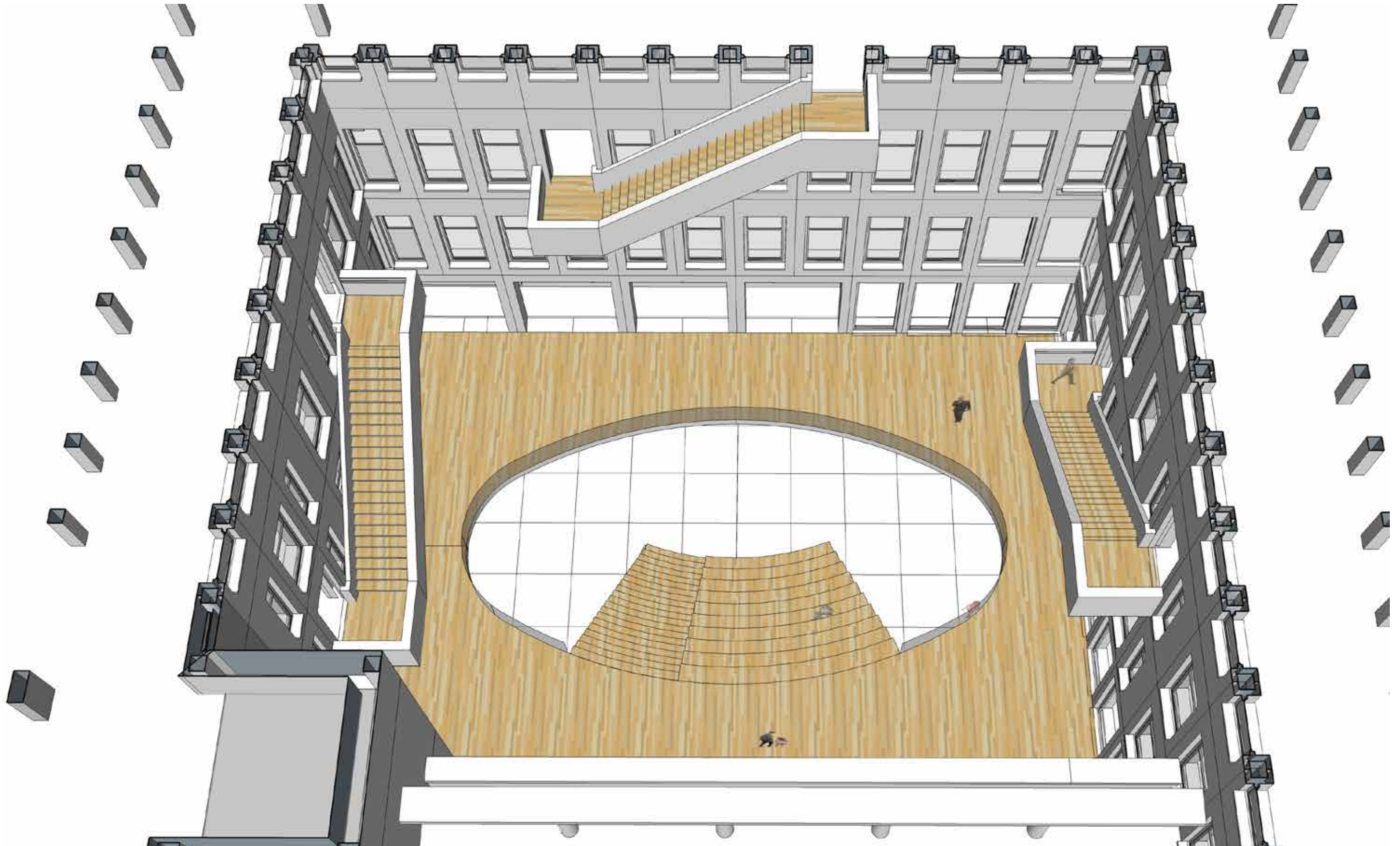
impressies trap

binnen bestaande stramien



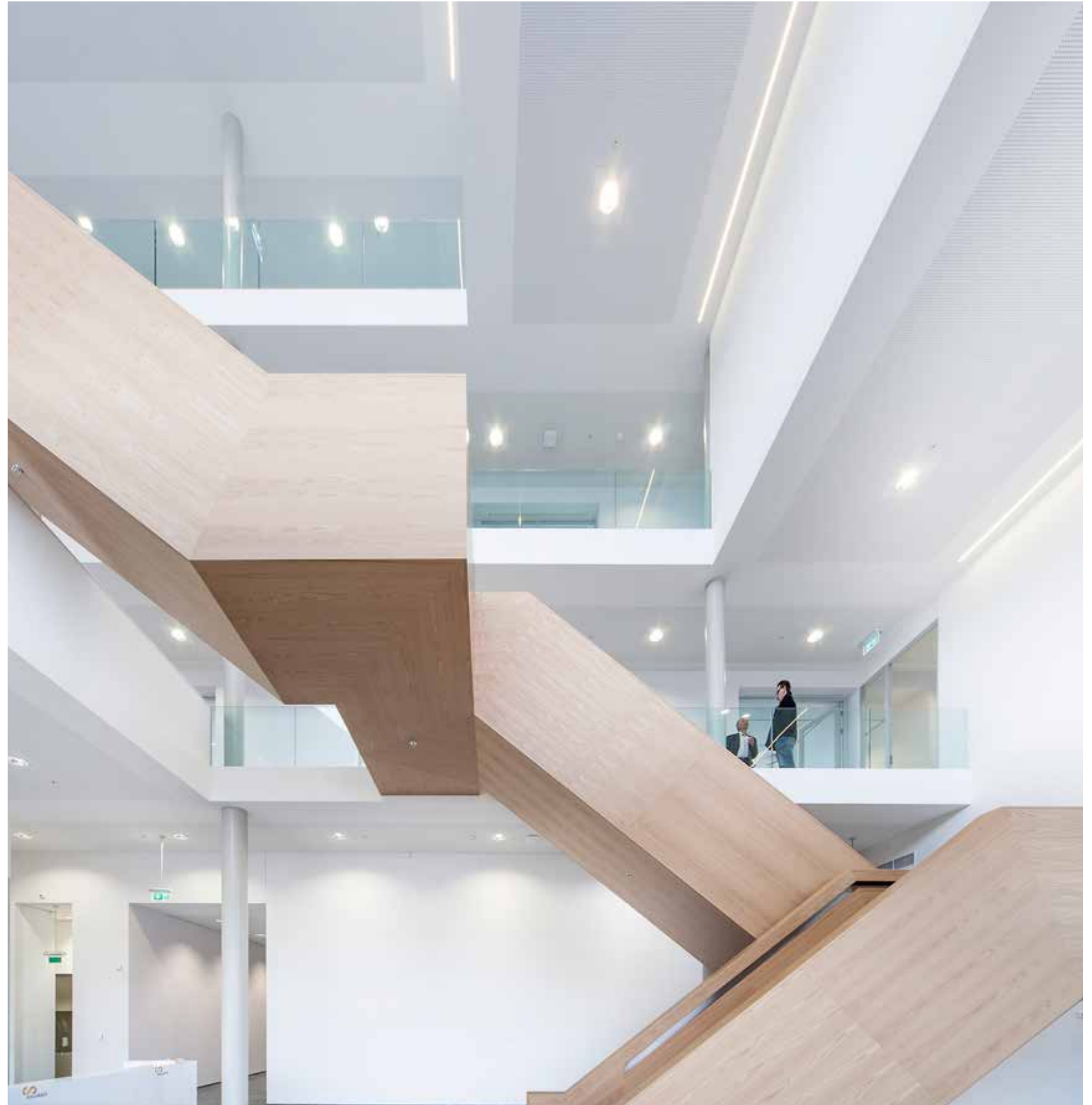
impressies trappen en tribune

korte looplijnen



referentie trap

solliance eindhoven (inbo)



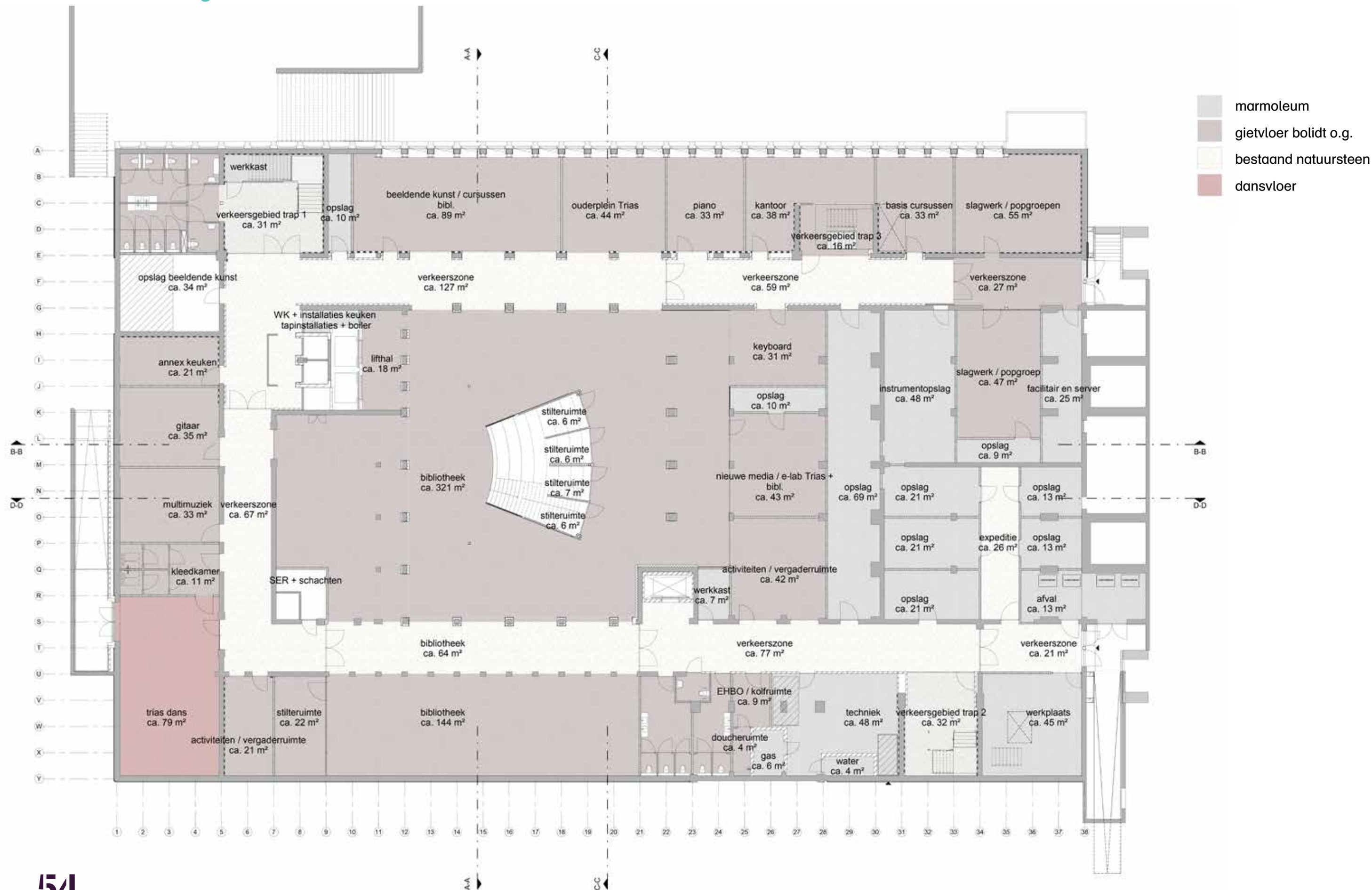
vloercifwerkingen

natuursteen handhaven
warme houten atriumvloer
praktische gietvloer
project tapijt bij werkplekken



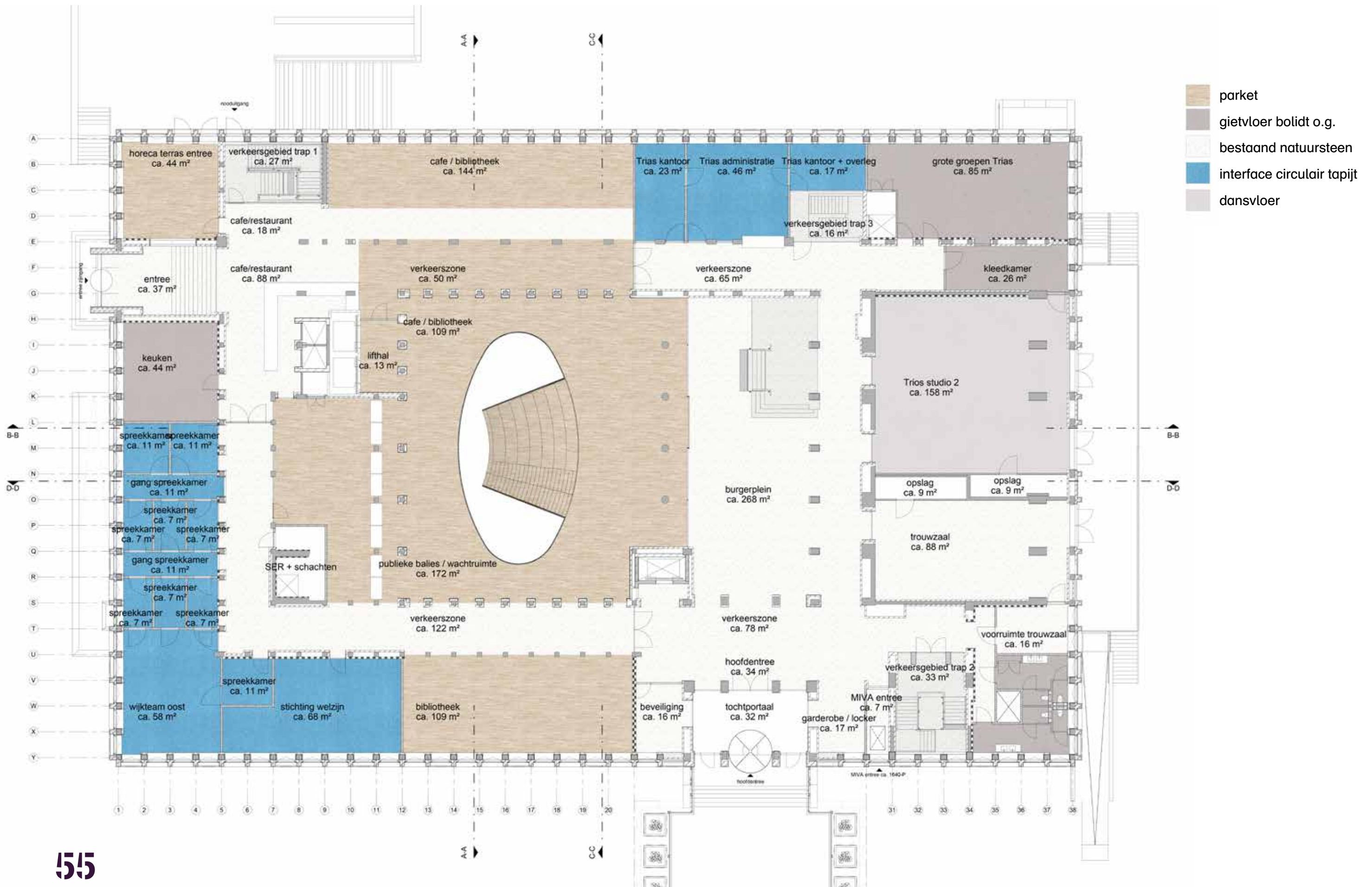
vloerafwerking souterrain

natuursteen - gietvloer - marmoleum



vloerafwerking begane grond

natuursteen - gietvloer - parket - tapijt



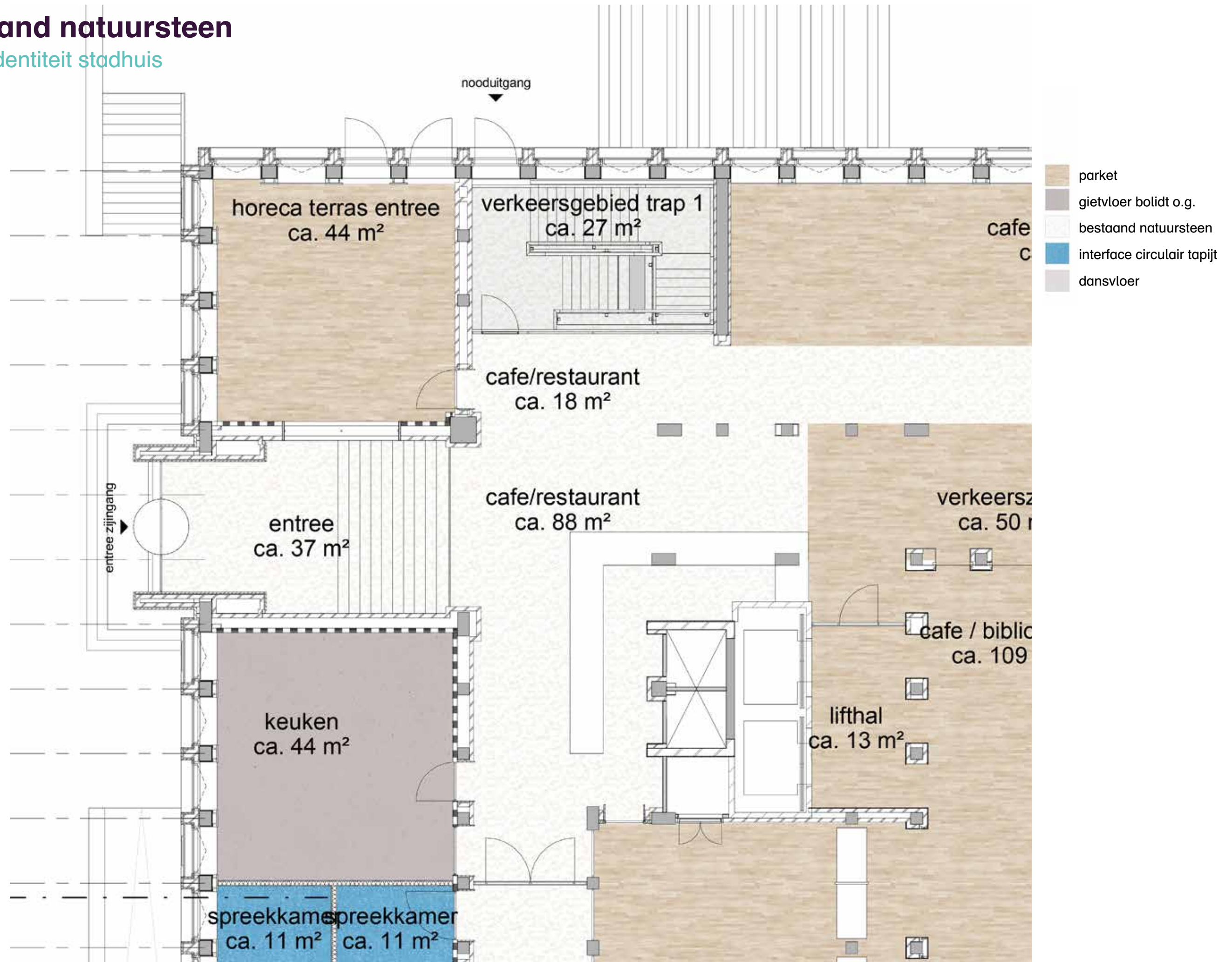
vloerafwerking eerste verdieping

natuursteen - tapijt



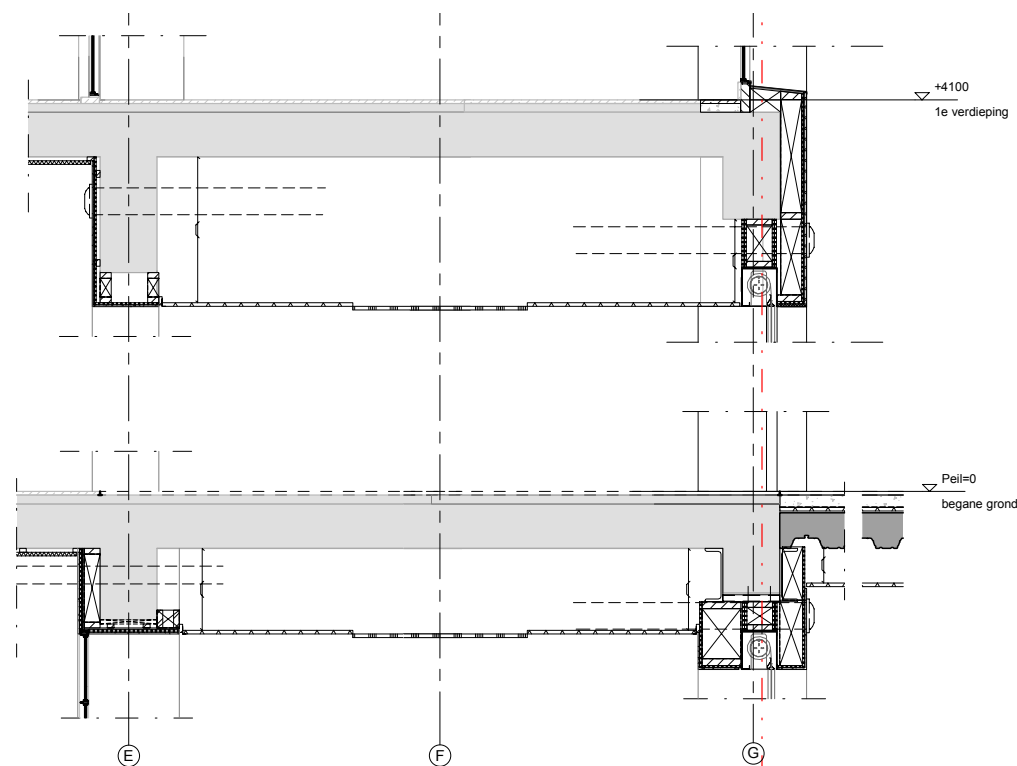
bestaand natuursteen

drager identiteit stadhuis



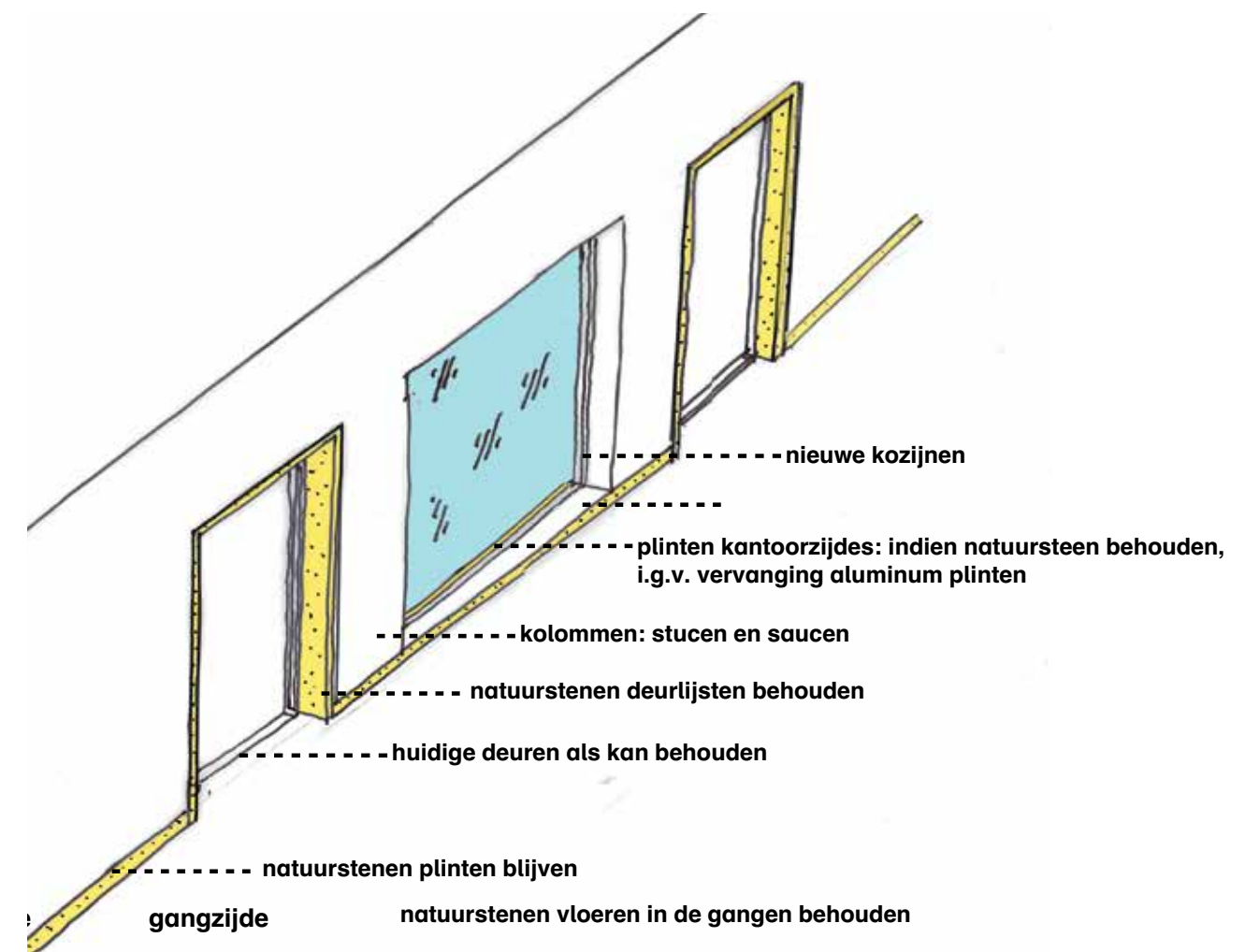
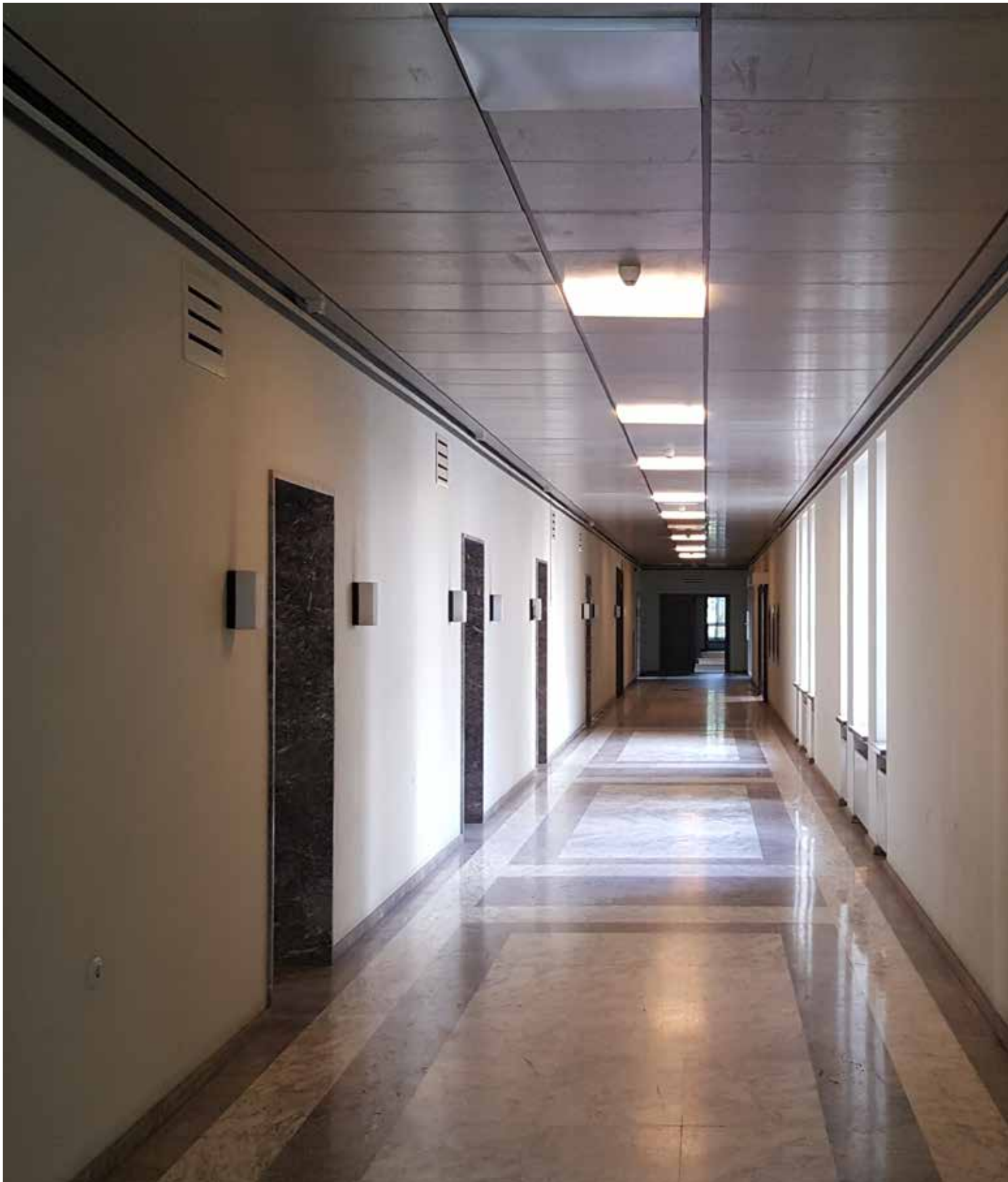
gcingzones

bestaand natuursteen
verwarming - ventilatie - data
integratie disciplines
brandcompartimentering



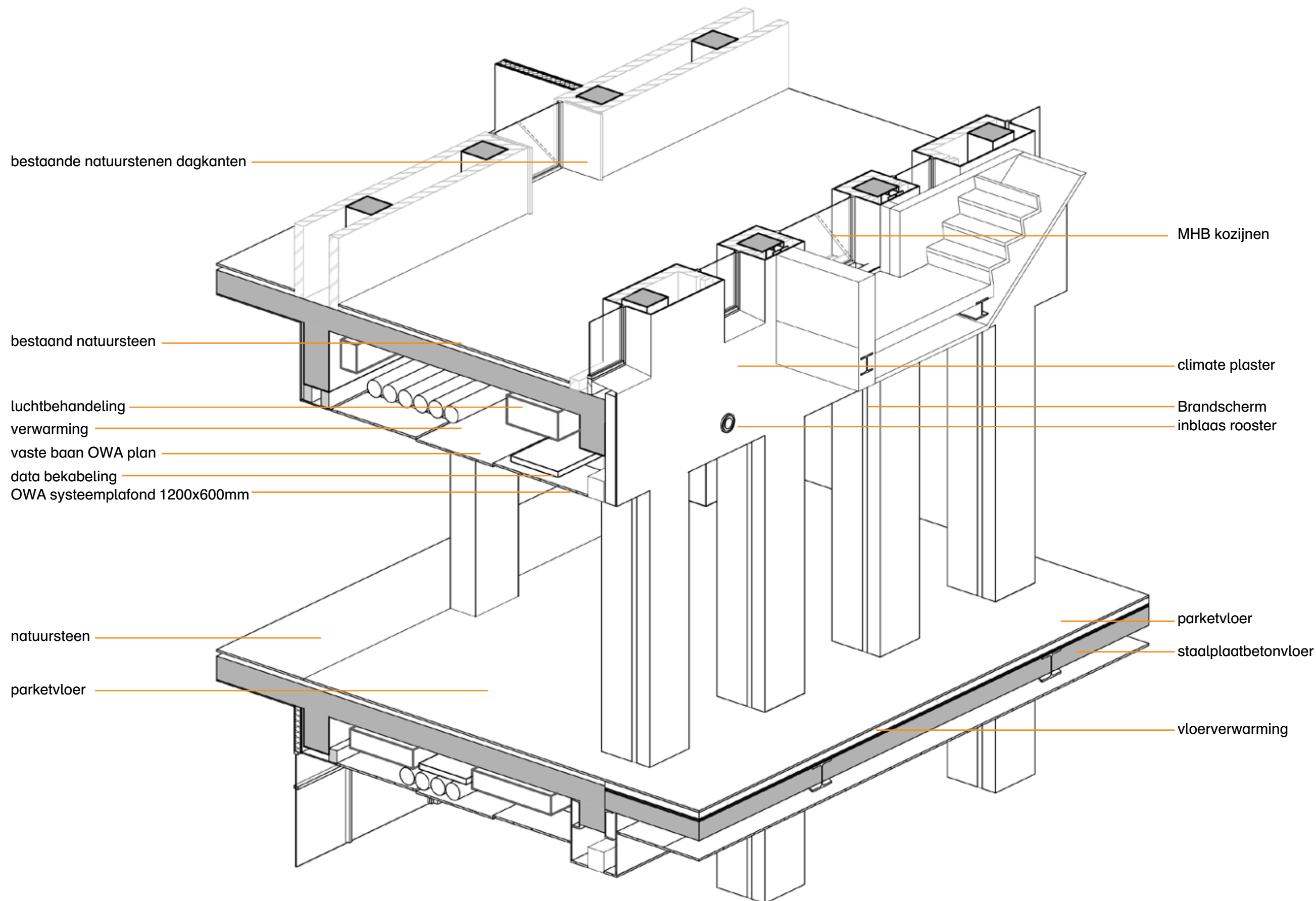
gebouwwolgend ontwerpen

behandeling natuursteen

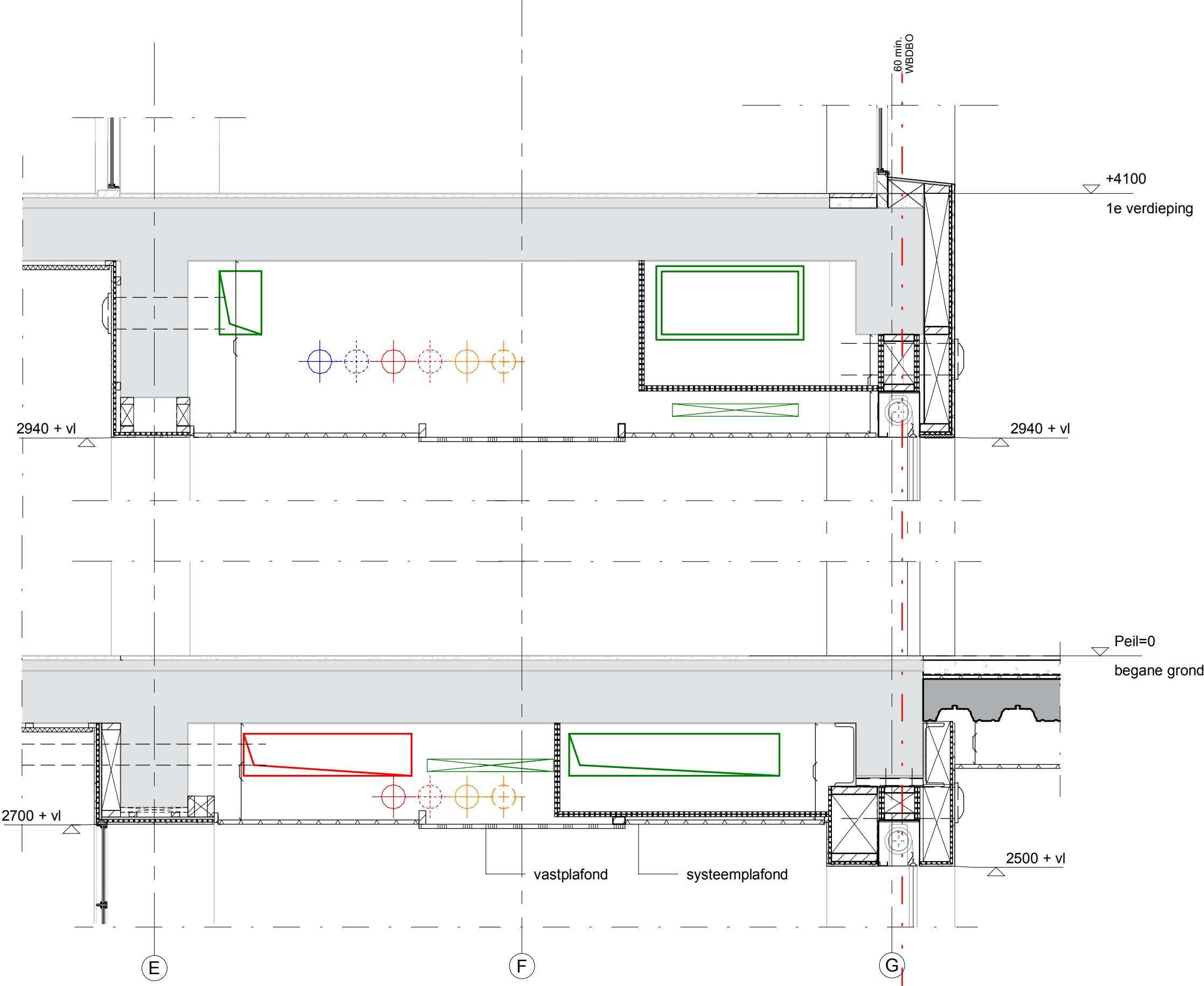


integratie

constructie - installatie - ontwerp



principe detail
gangzones

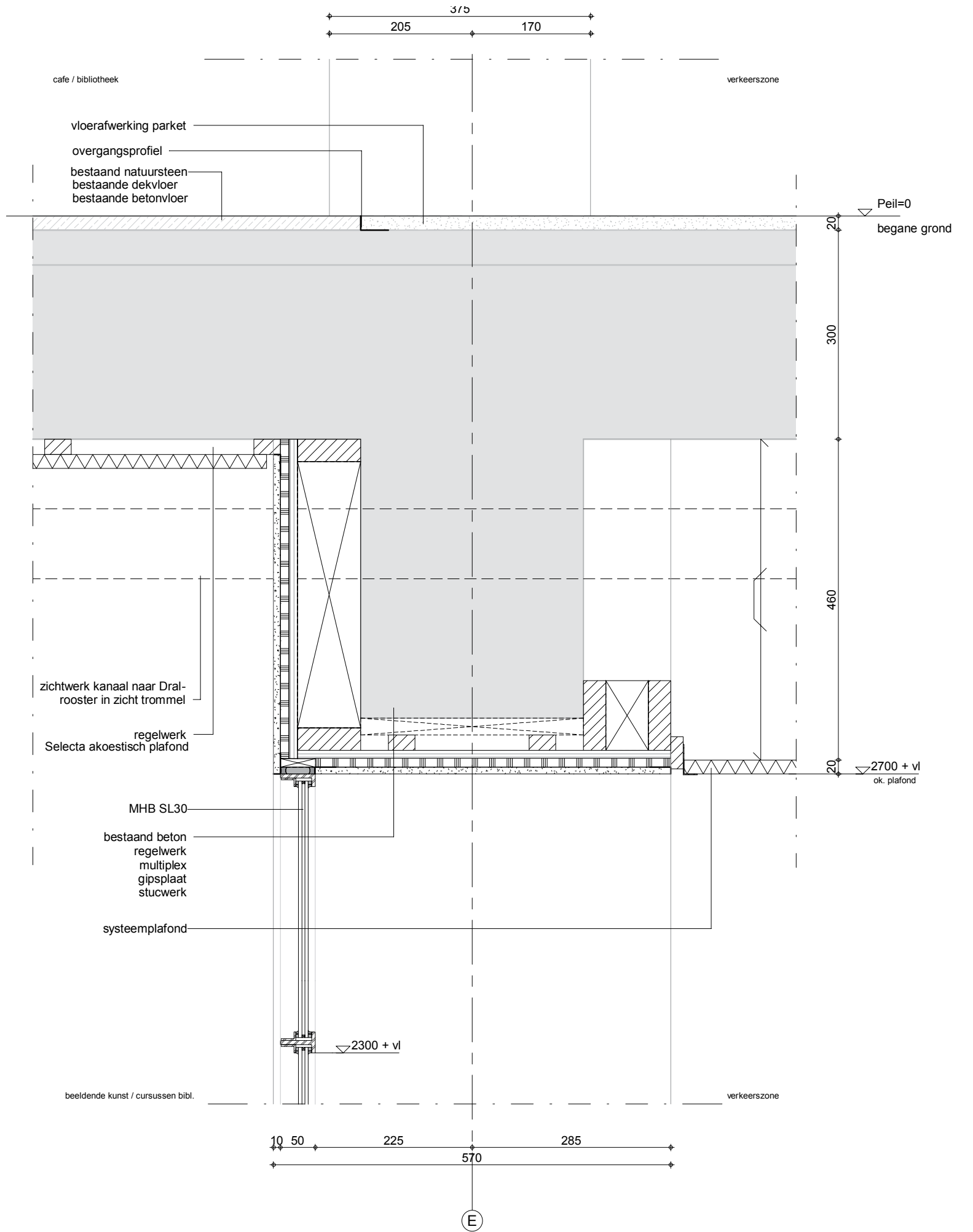
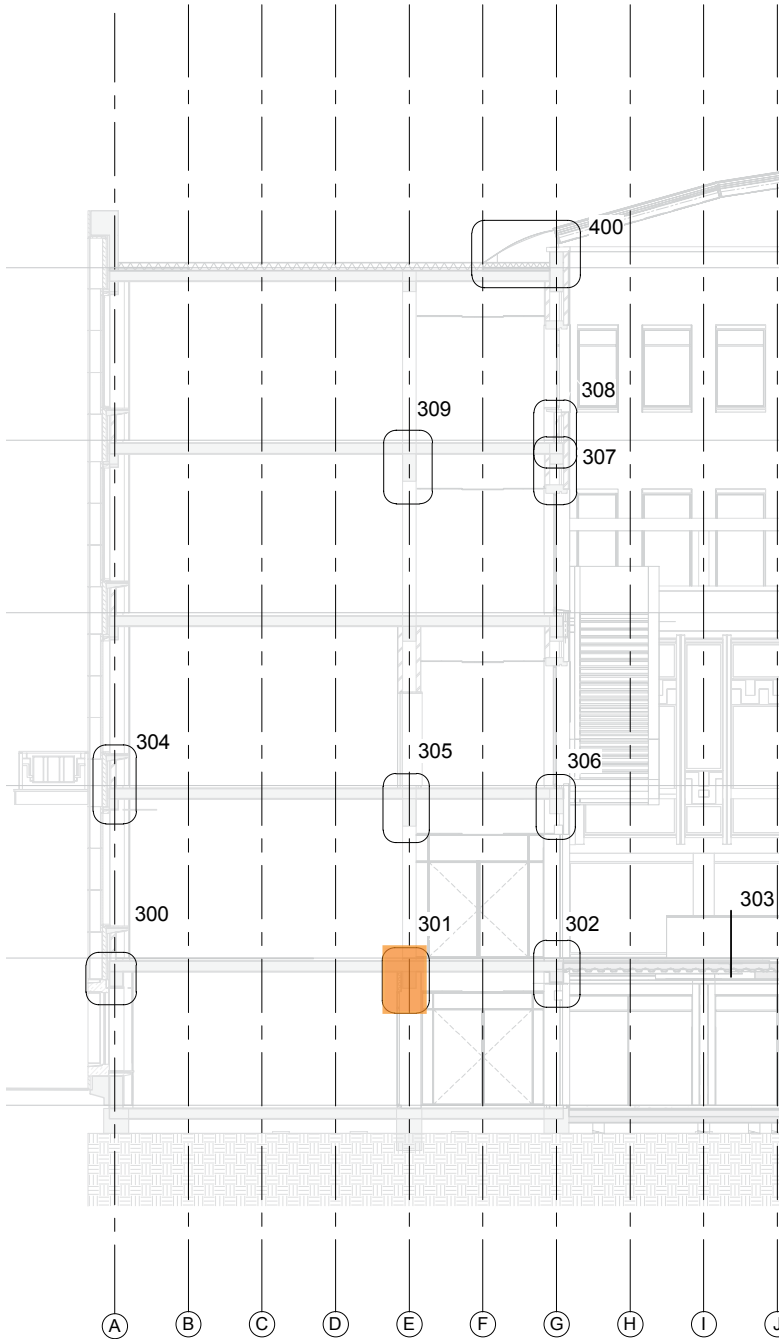


beeld gangzone

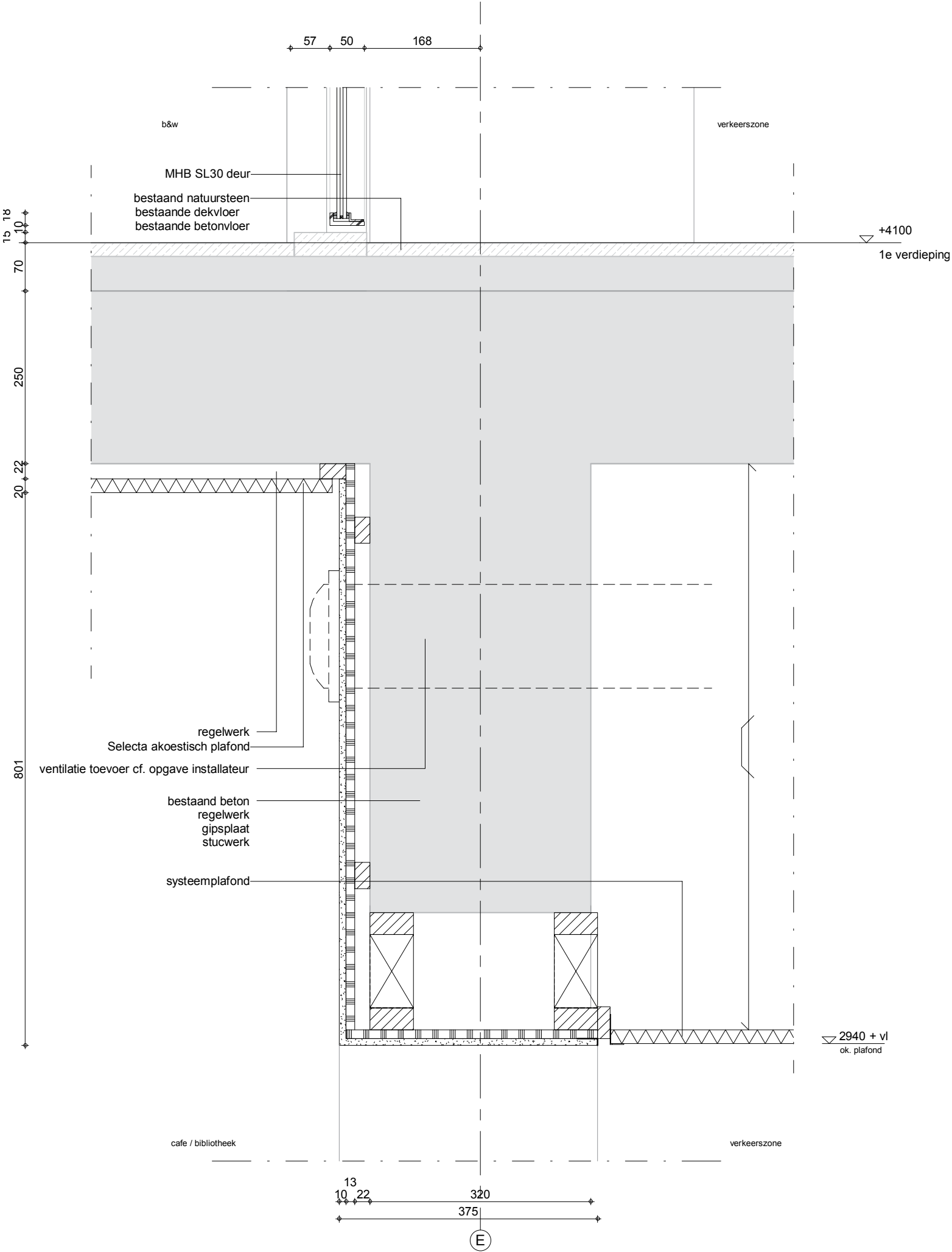
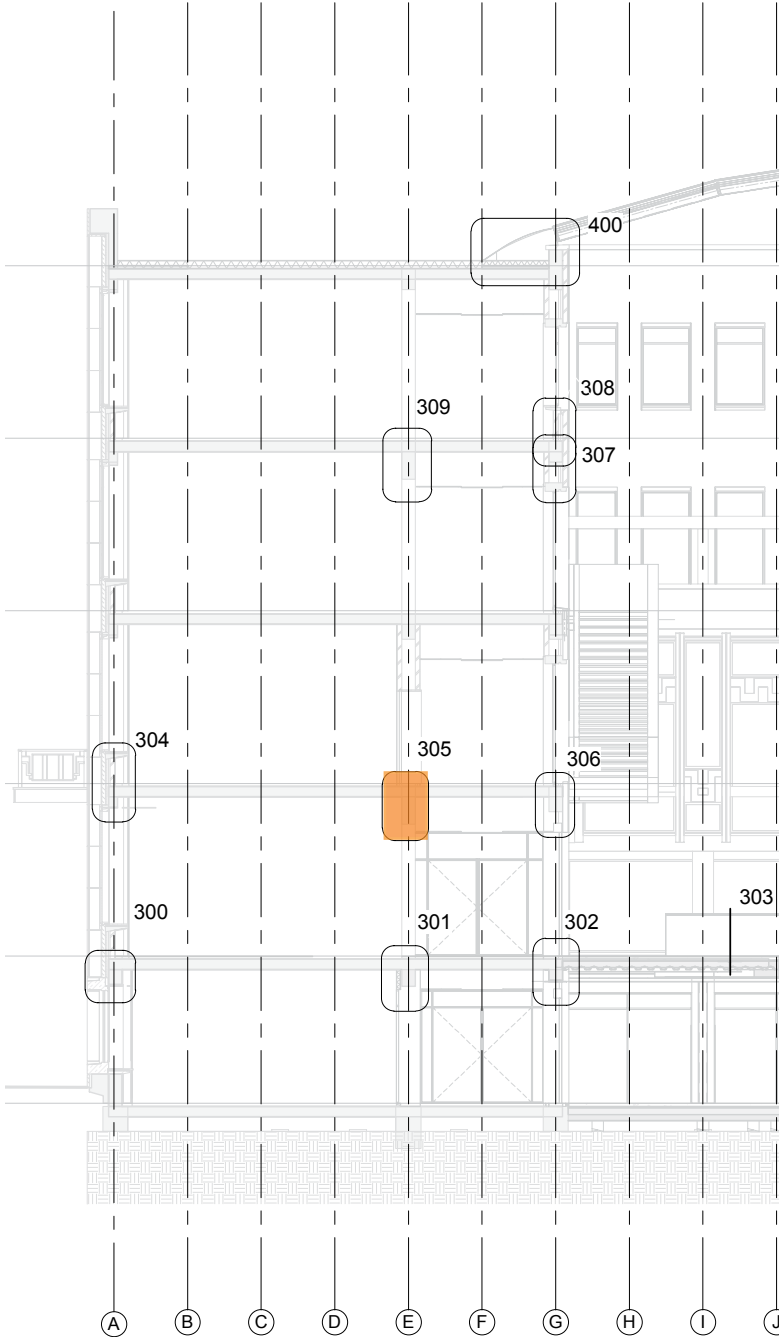
gemarkeerd door dubbele rij kolommen



gangzone souterrain
detail 301 1:5

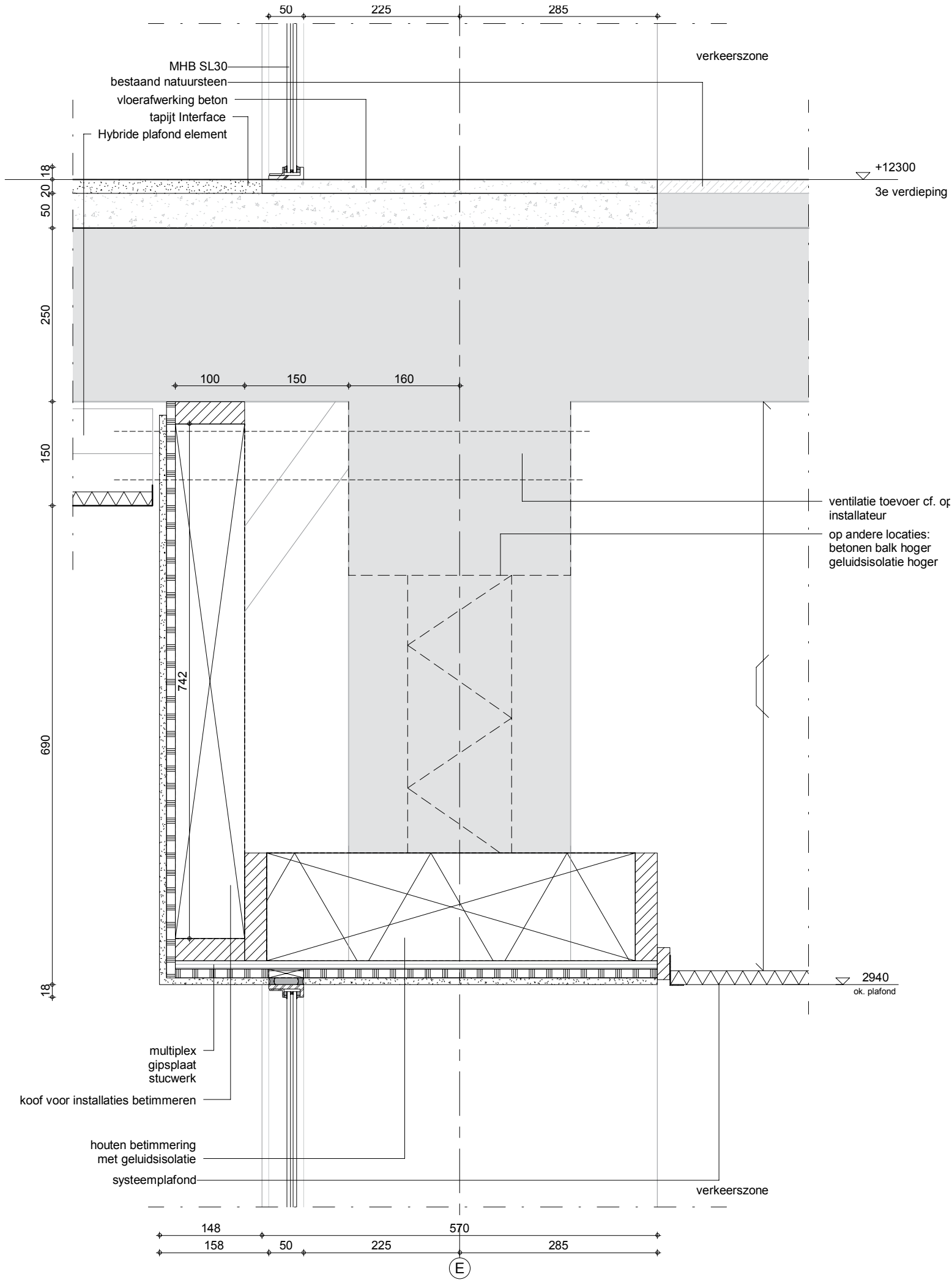
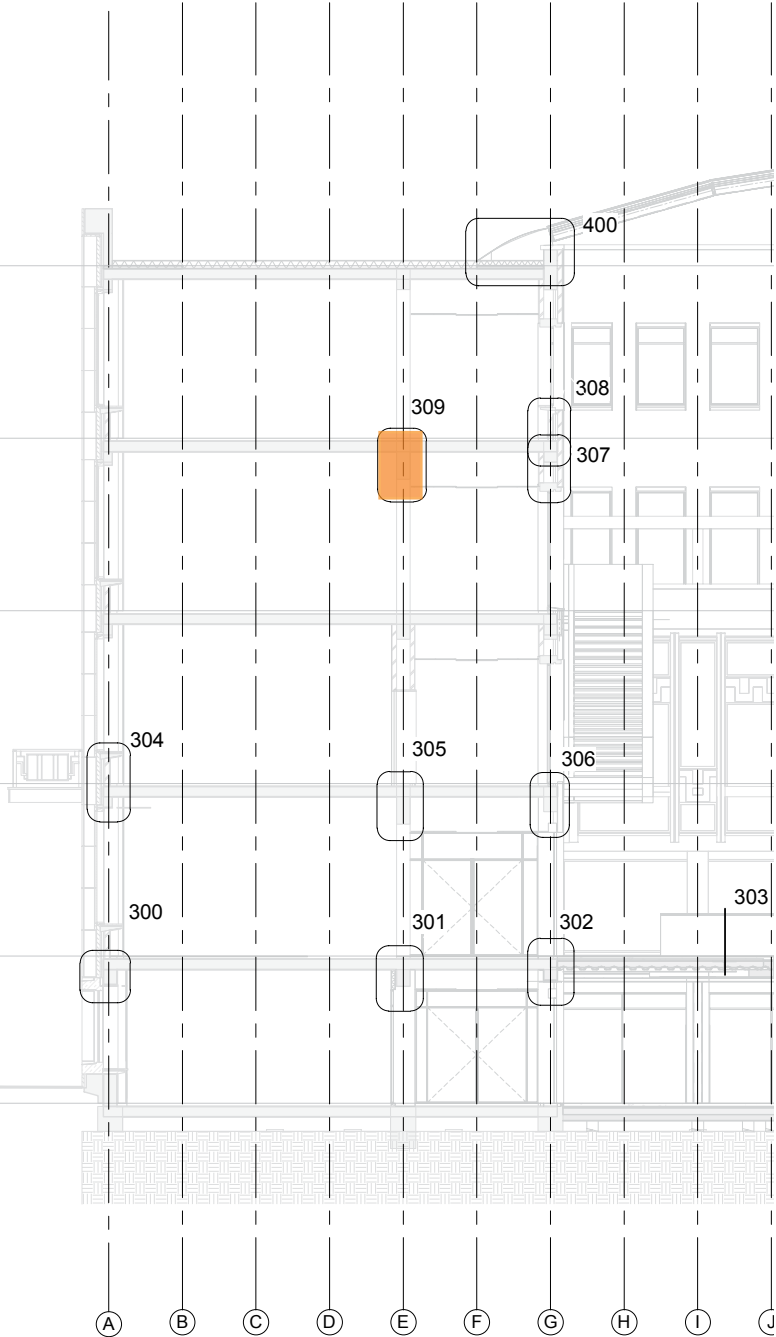


gangzone begane grond
detail 305 1:5



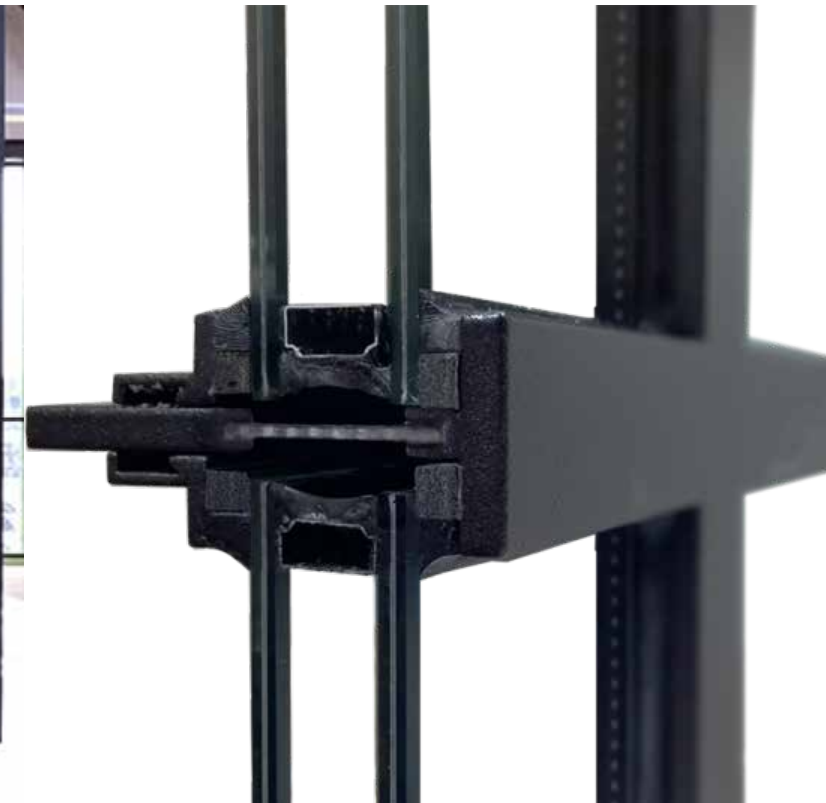
gangzone kantoorverdieping

detail 309 1:5



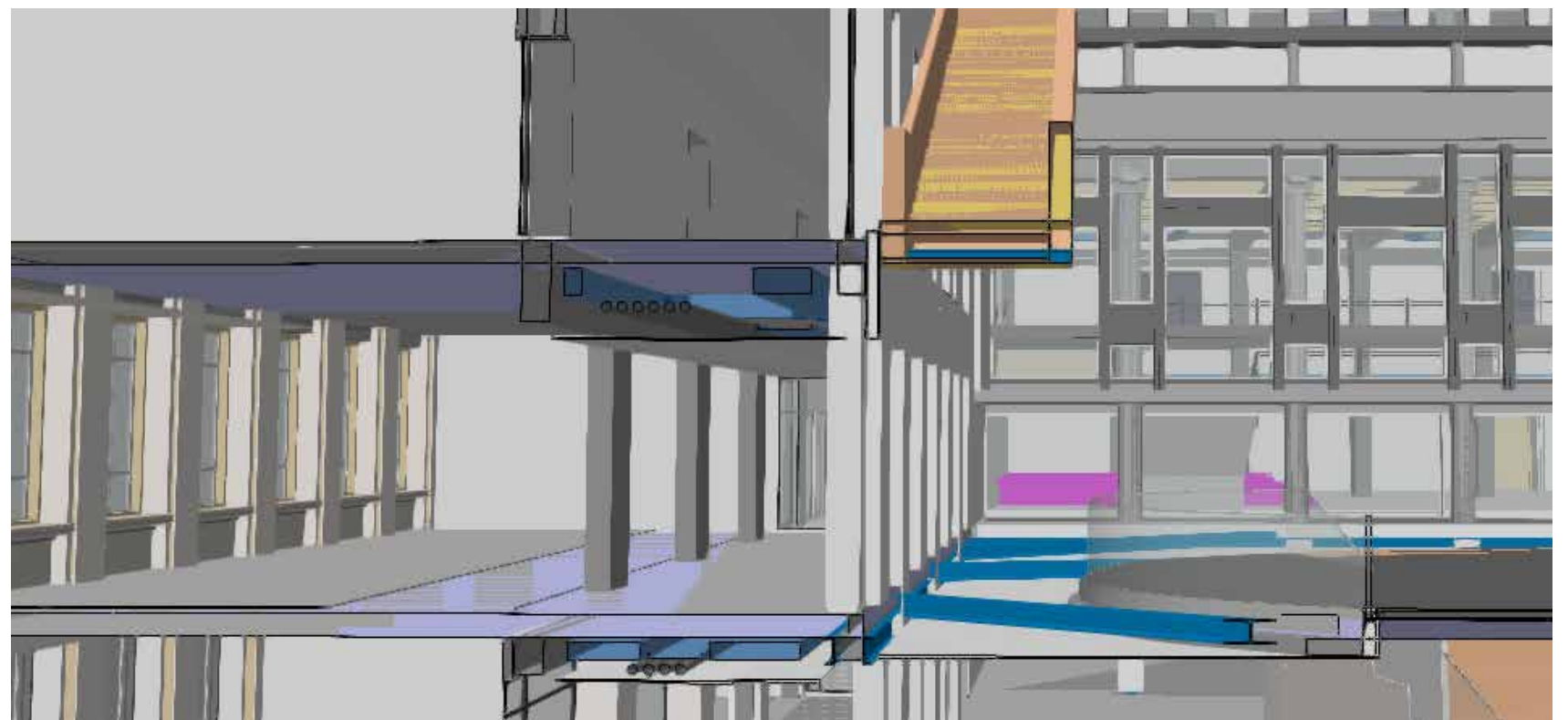
slanke moderne puien

mhb of gelijkwaardig

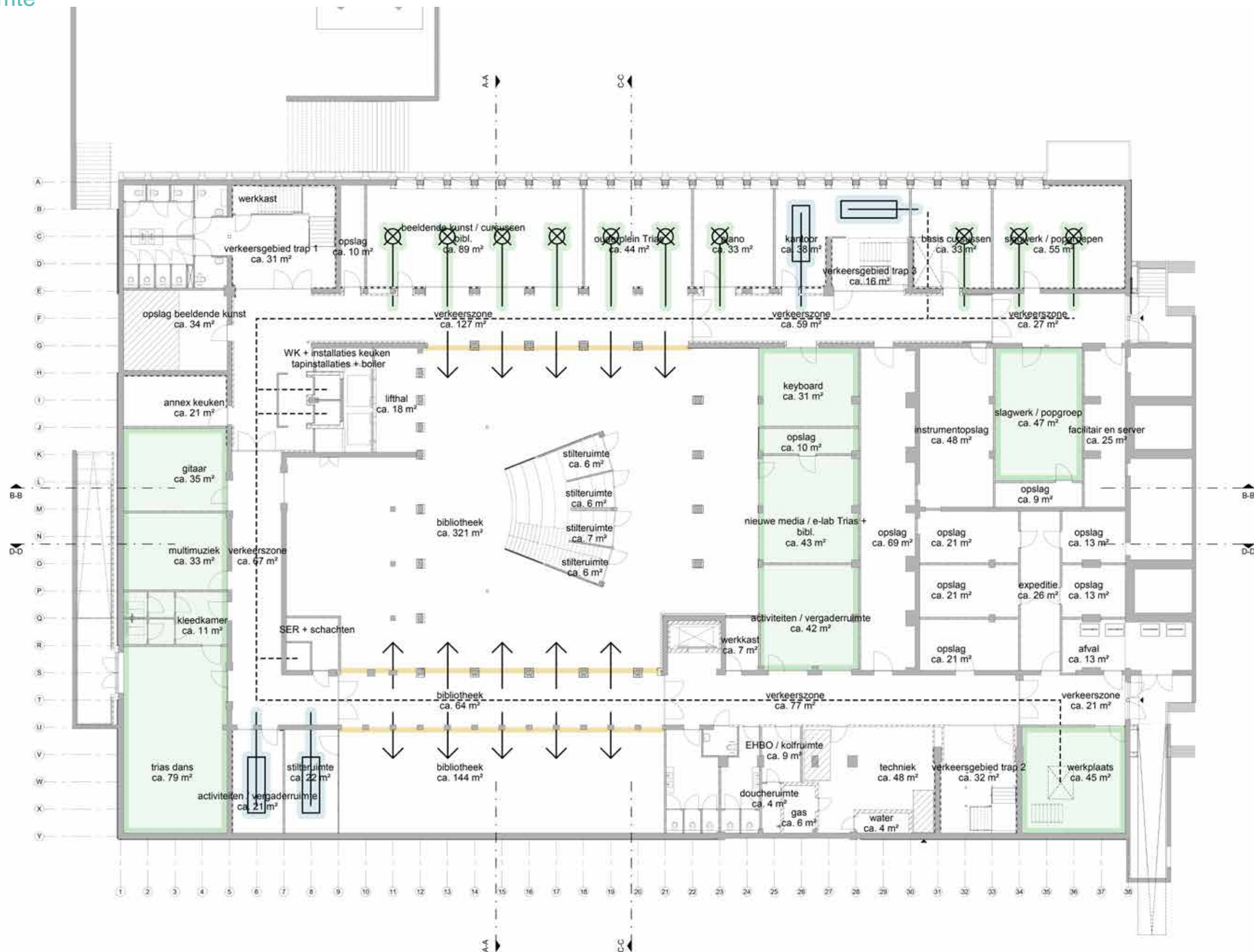


klimateitsysteem

technisch verduurzamen
duurzaam renoveren
verwarmen + koelen beheersen

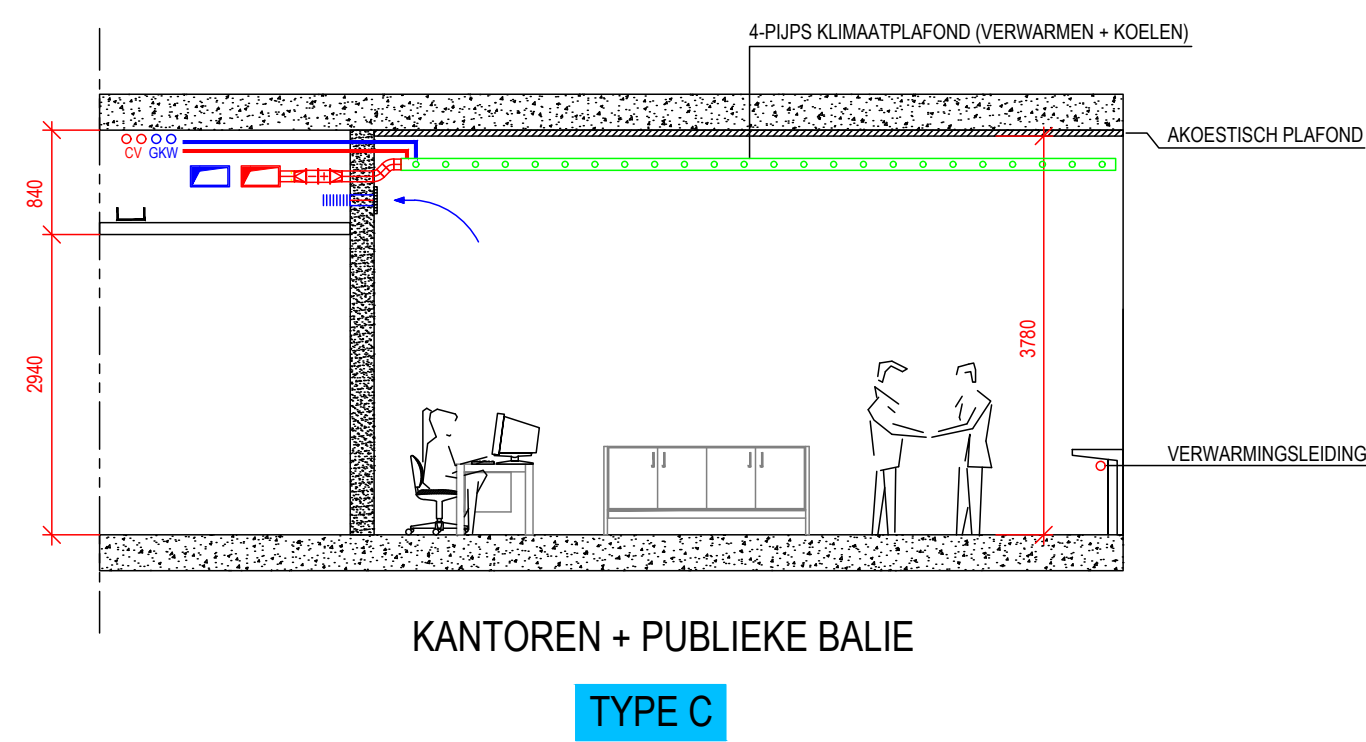
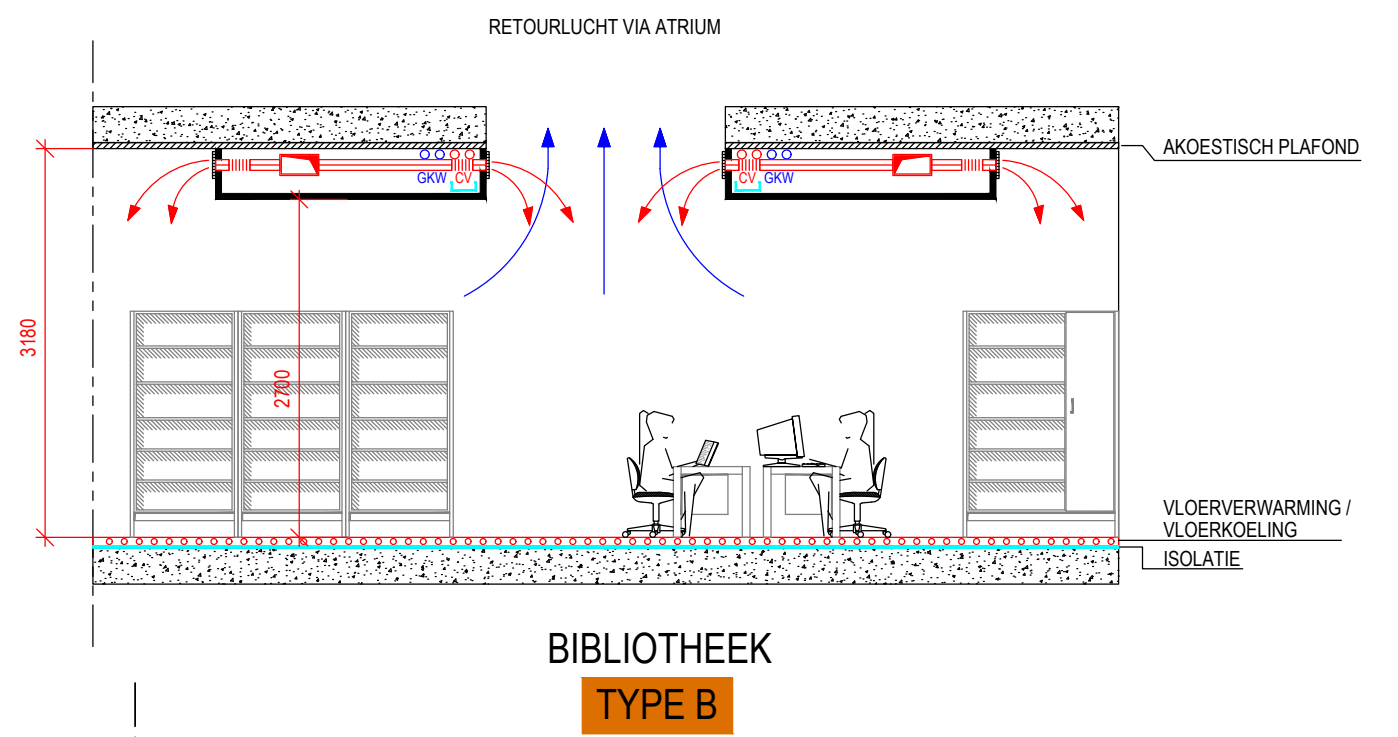


per ruimte

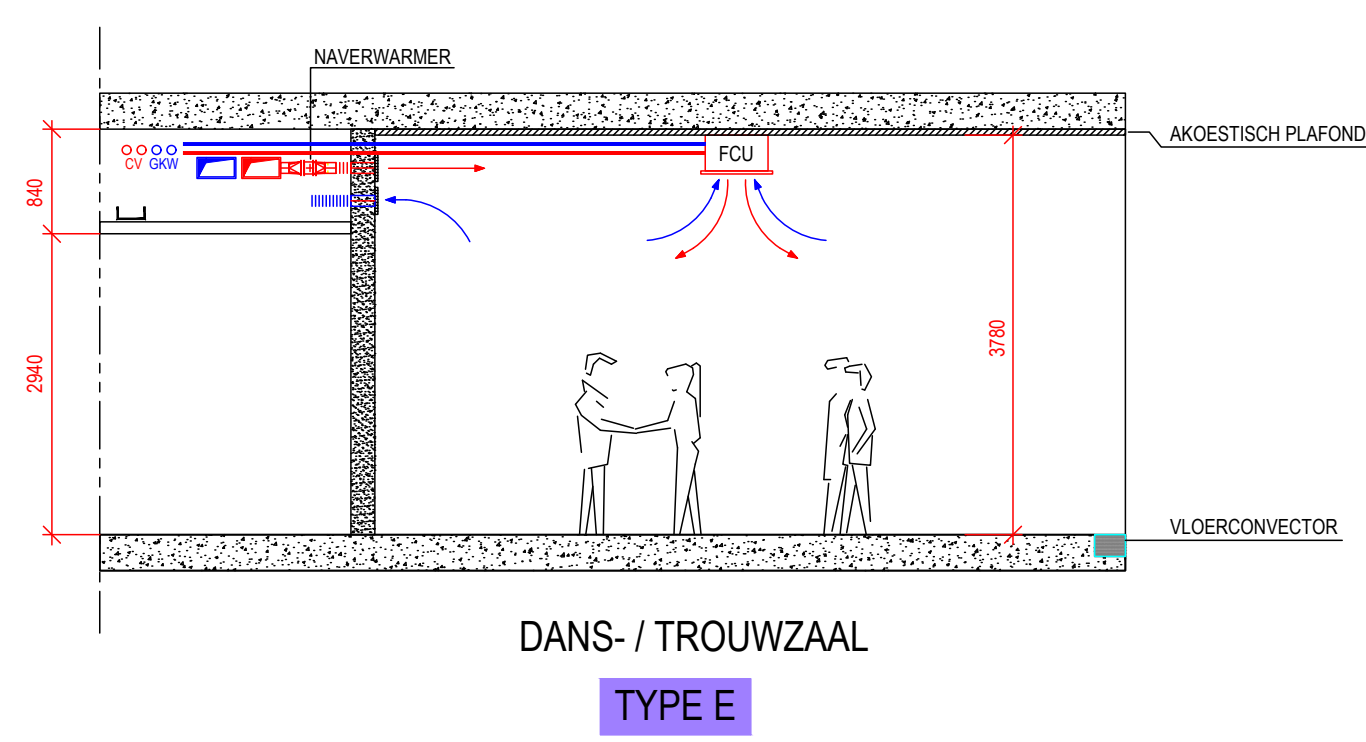
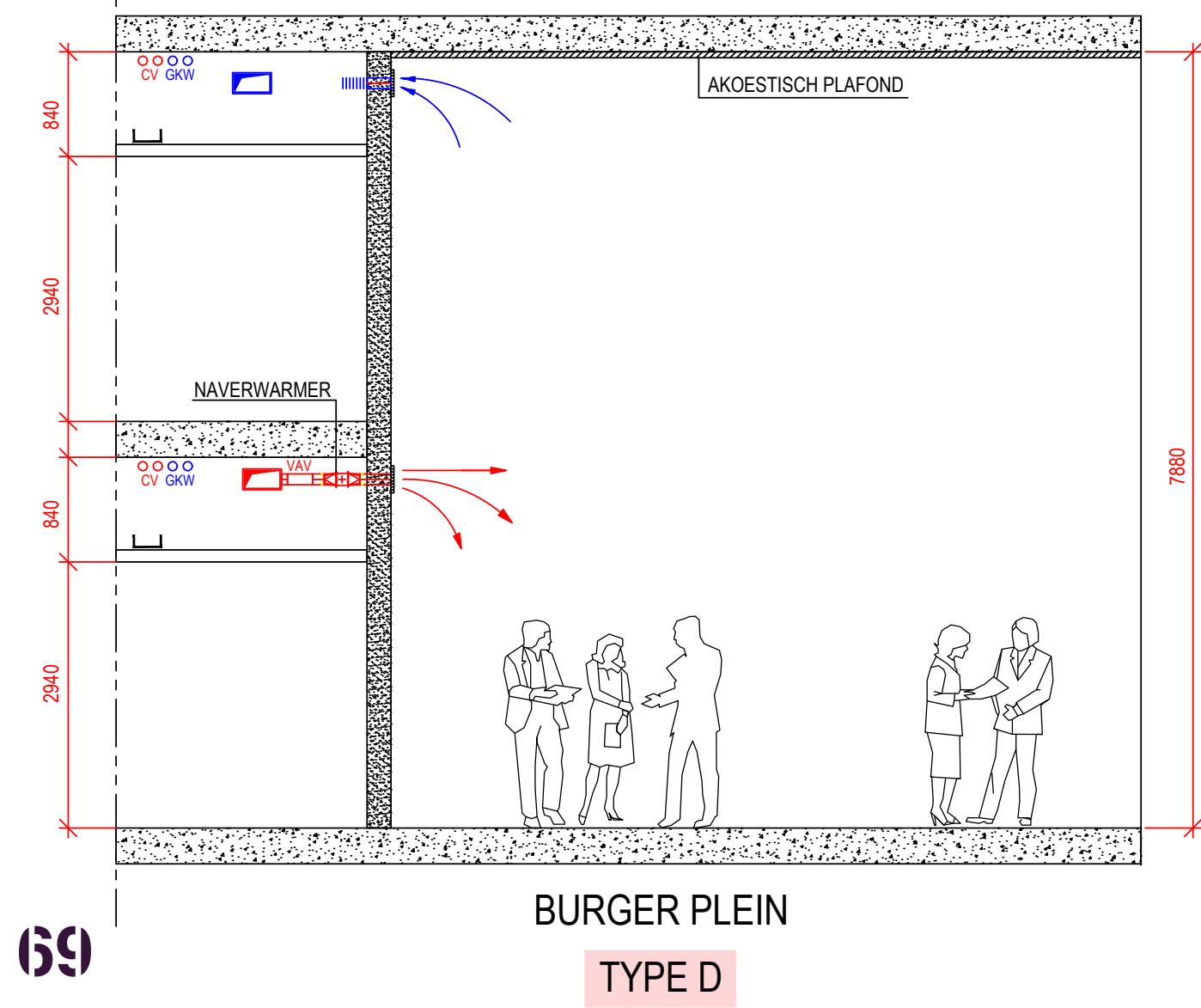


doorsnede installatie concept

per ruimte (typical)

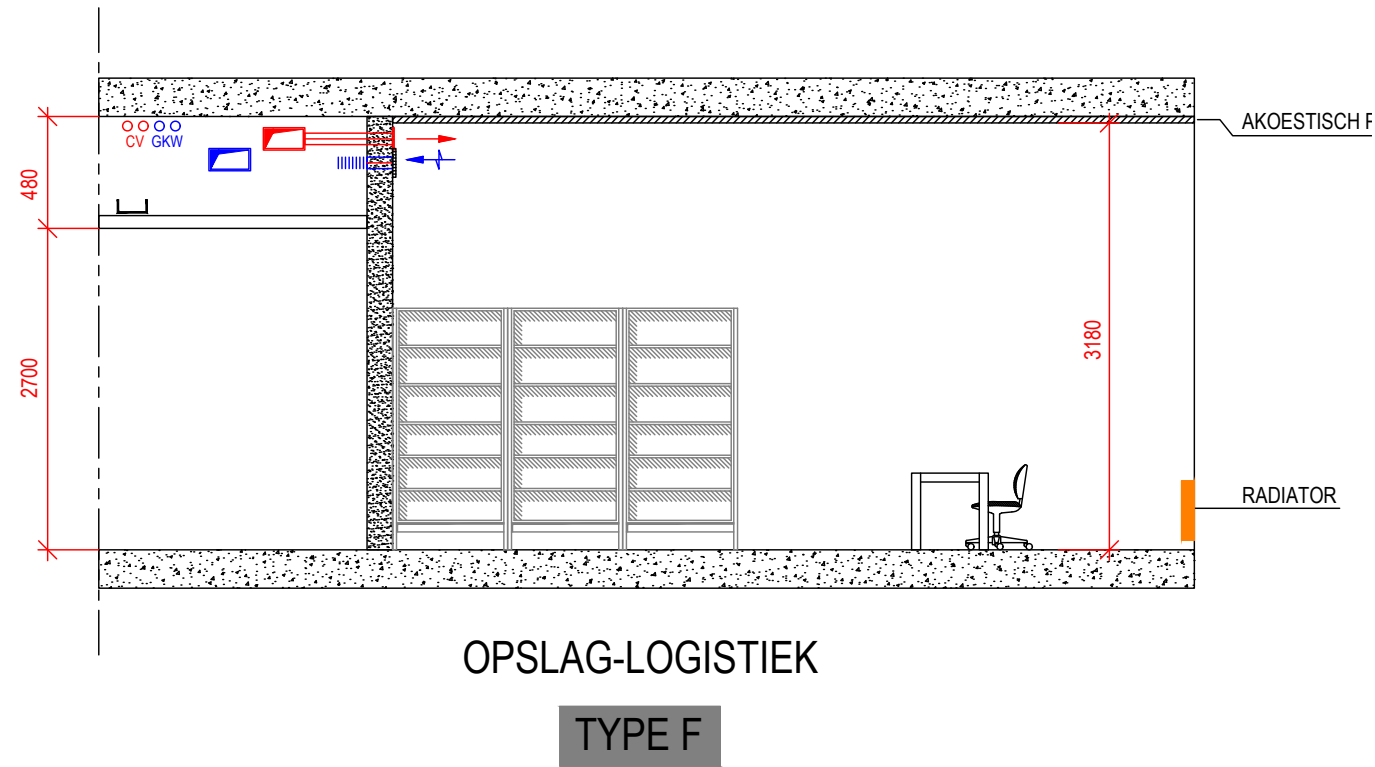


tekeningen laten principes zien. voor esthetische inpassing zie bouwkundig materiaal

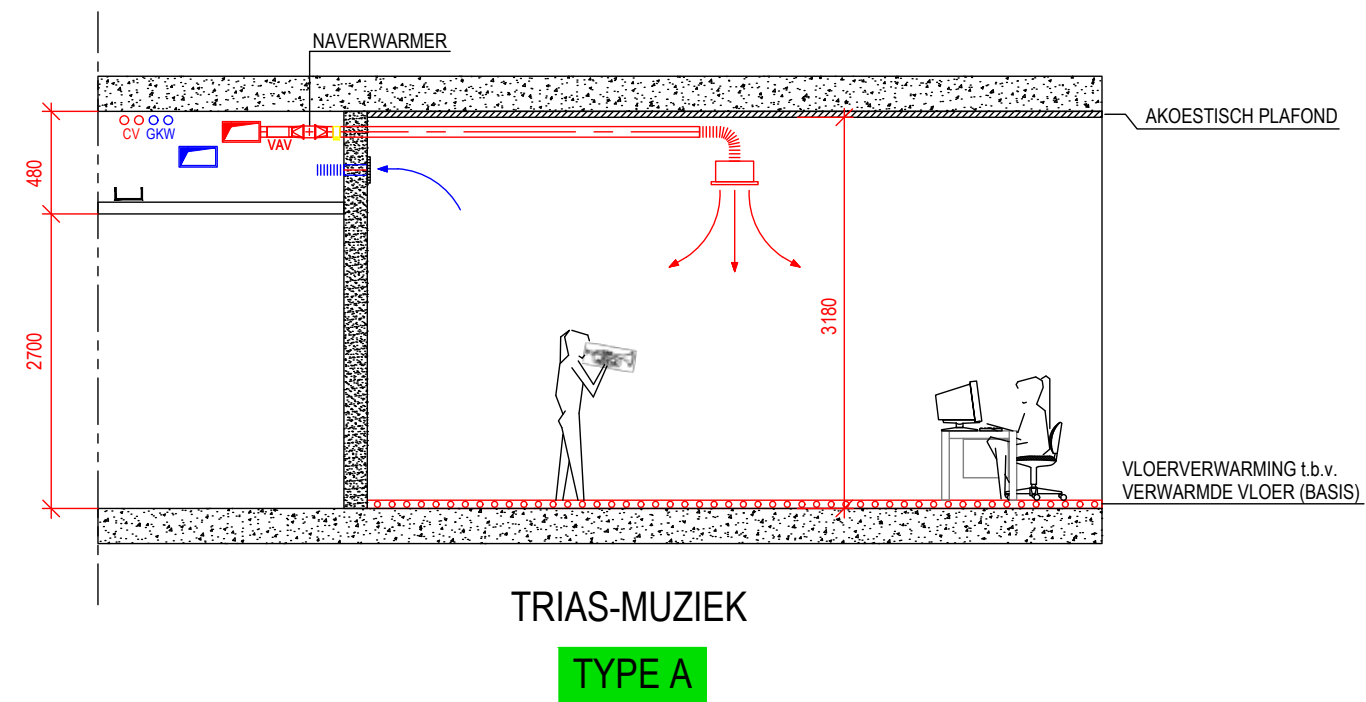
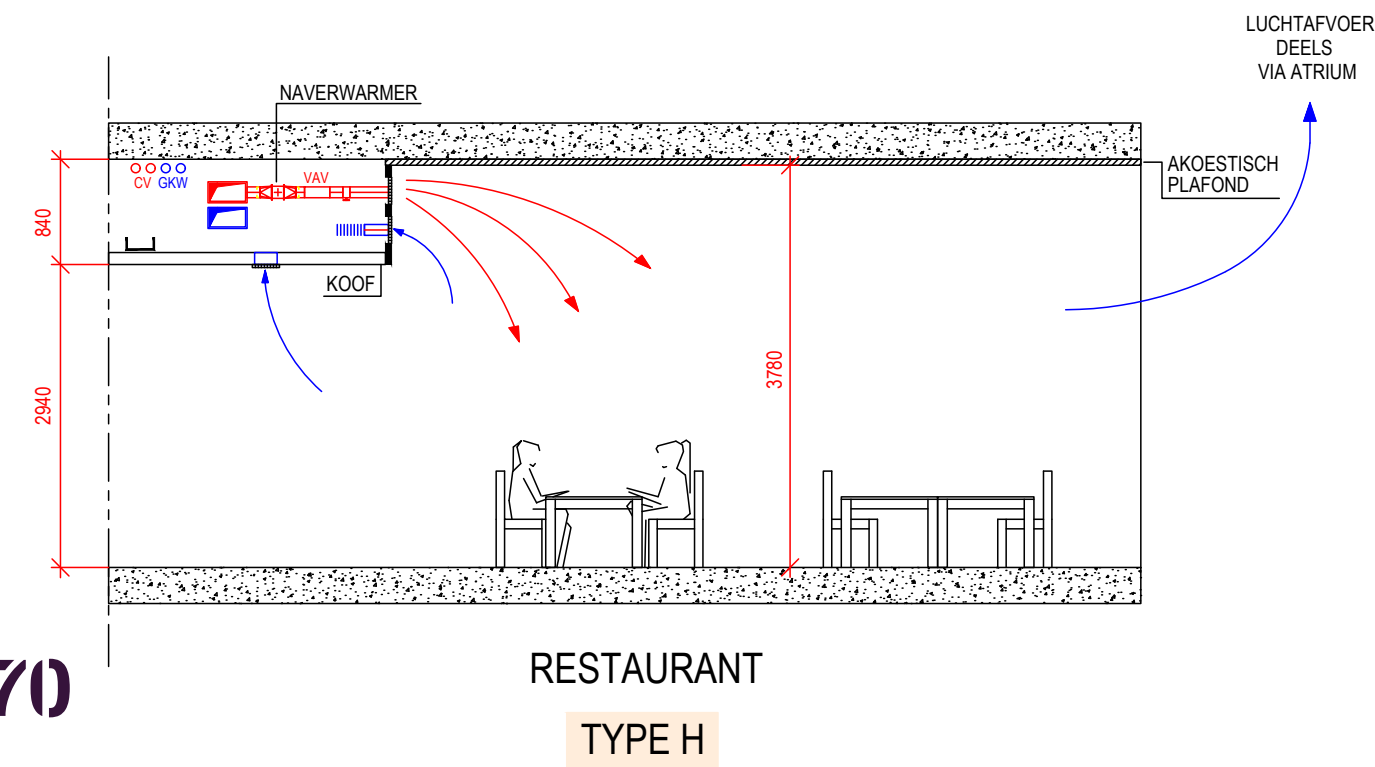
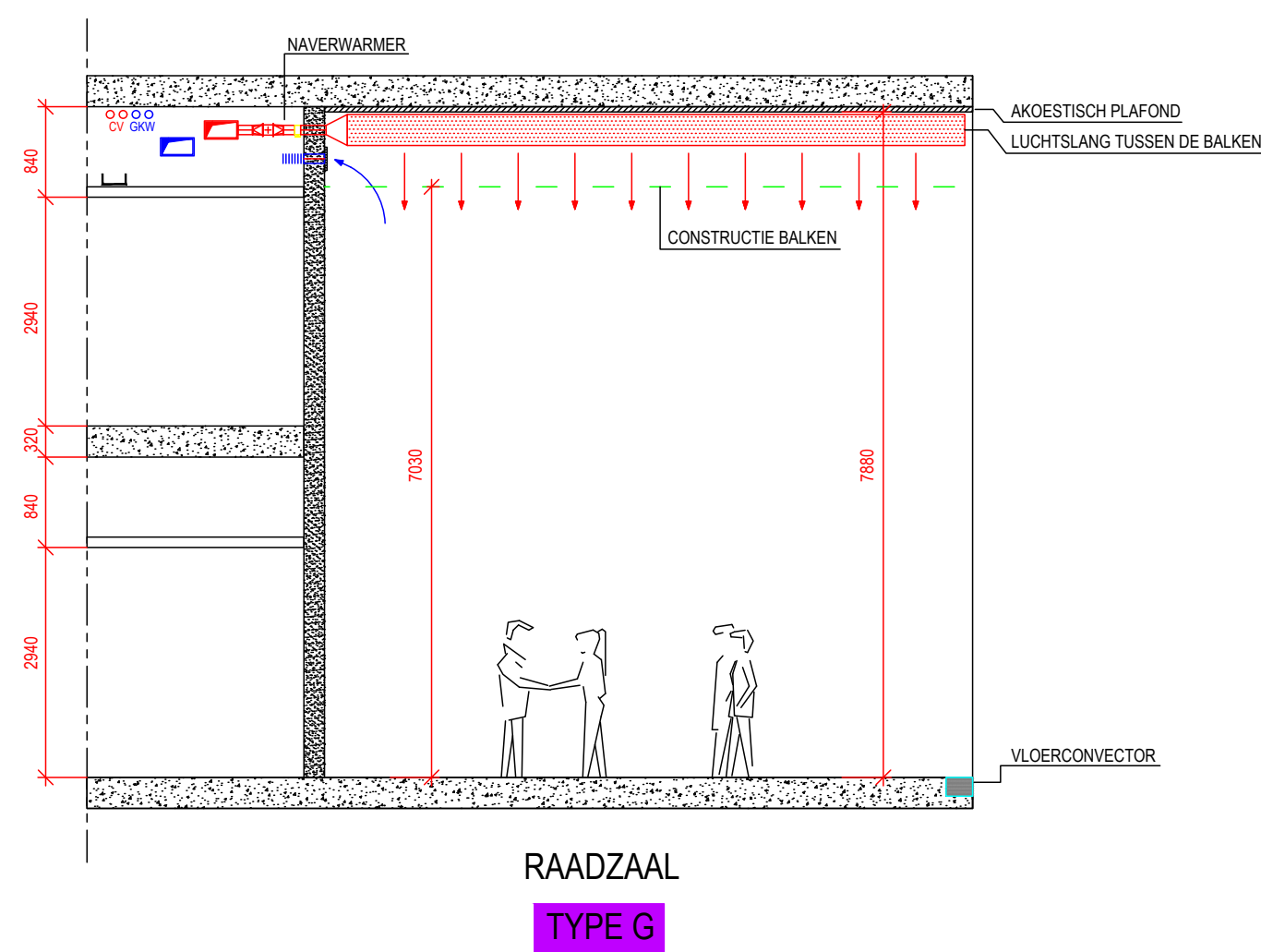


doorsnede installatie concept

per ruimte (typical)

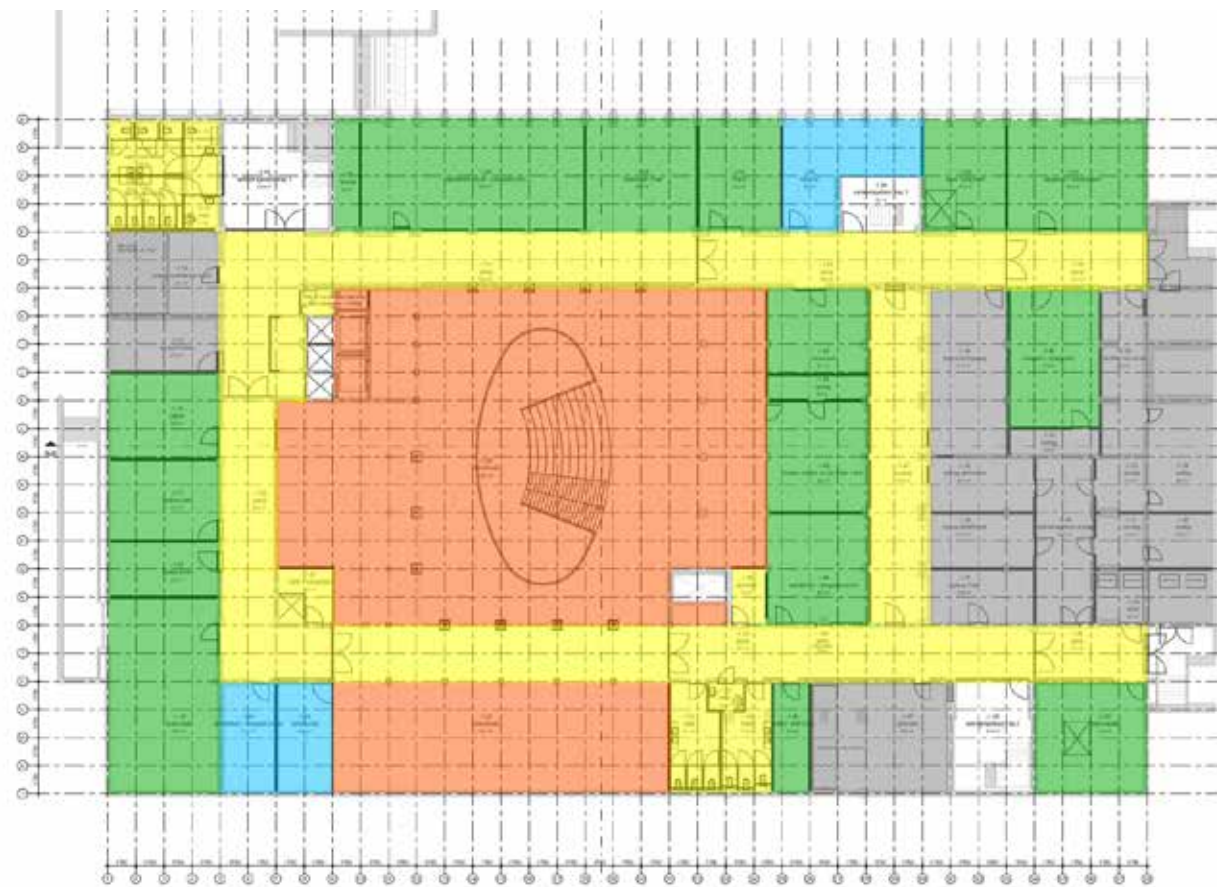


tekeningen laten principes zien. voor esthetische
inpassing zie bouwkundig materiaal

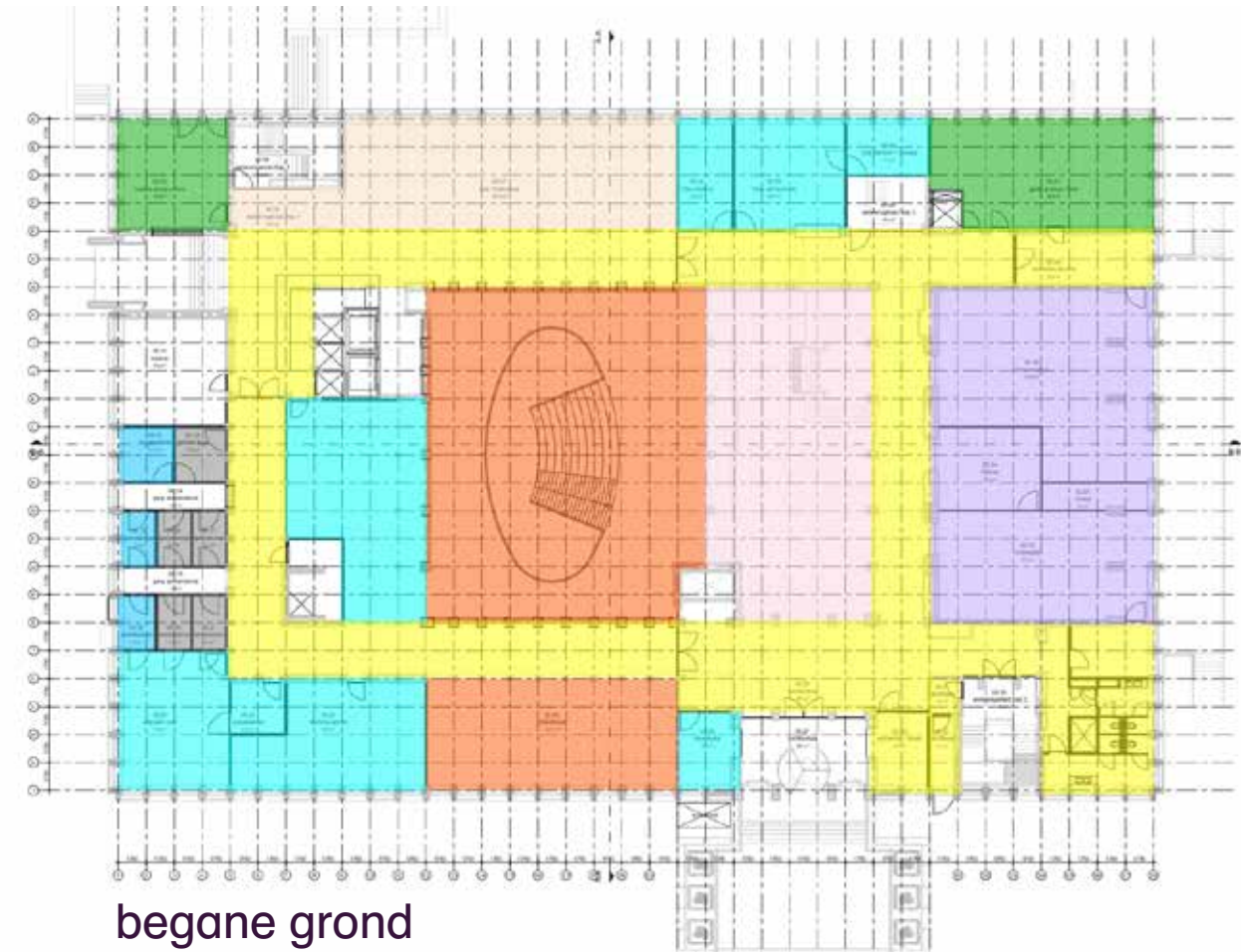


plattegronden installatie concept

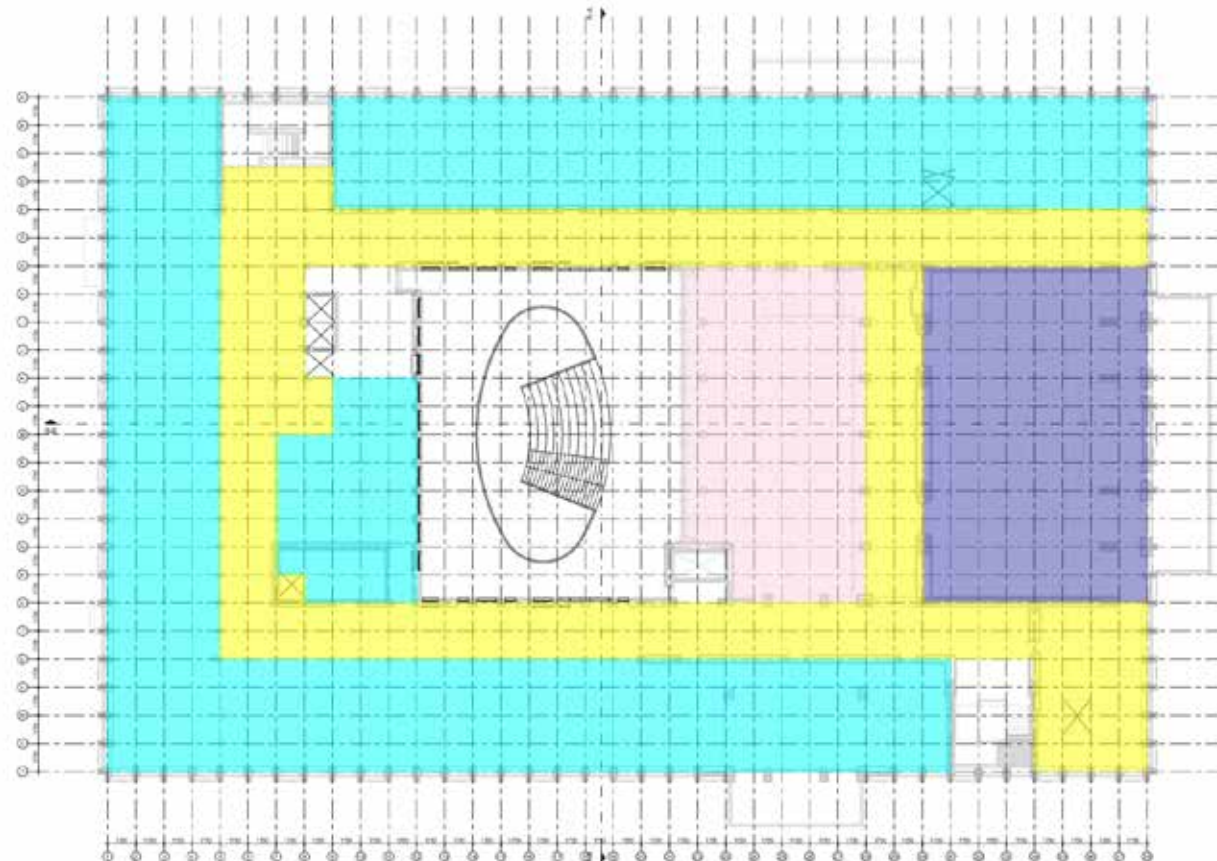
installatie techniek



souterrain



begane grond

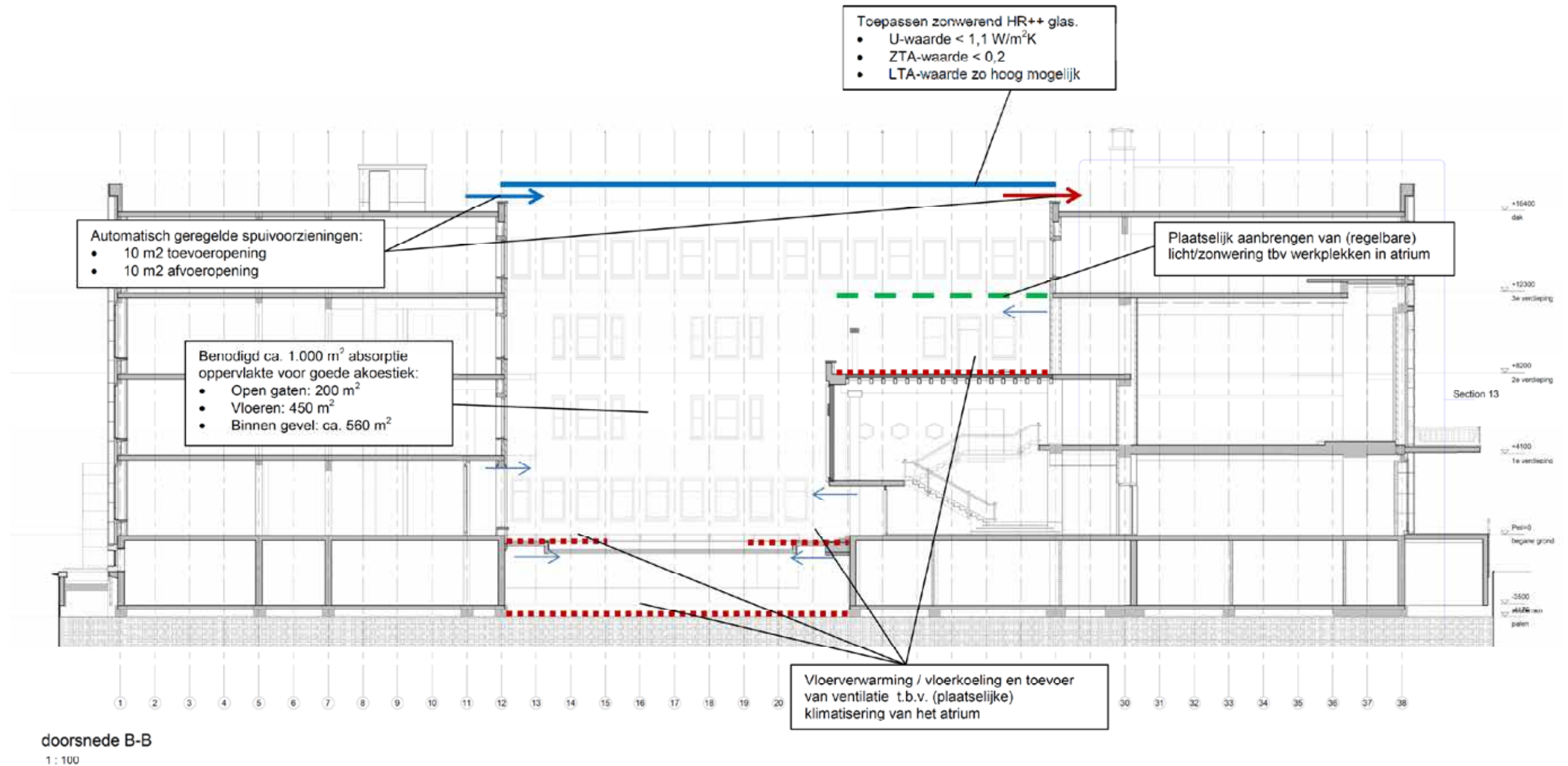


eerste verdieping

- type A
- type B
- type C
- type D
- type E
- type F
- type G
- type H
- verlaagd plafond

bouwfysisch concept

doorsnede installaties



akoustiek

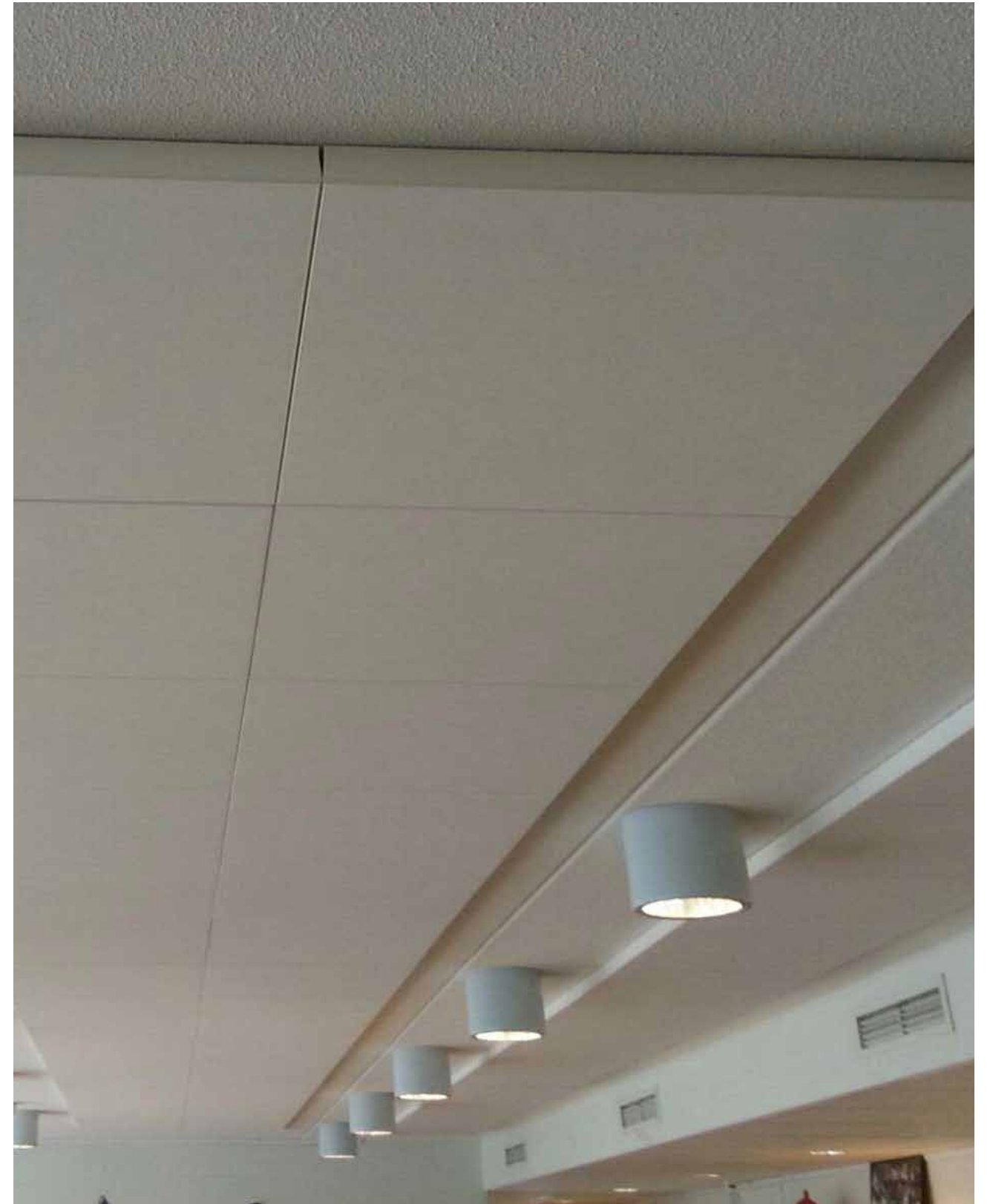
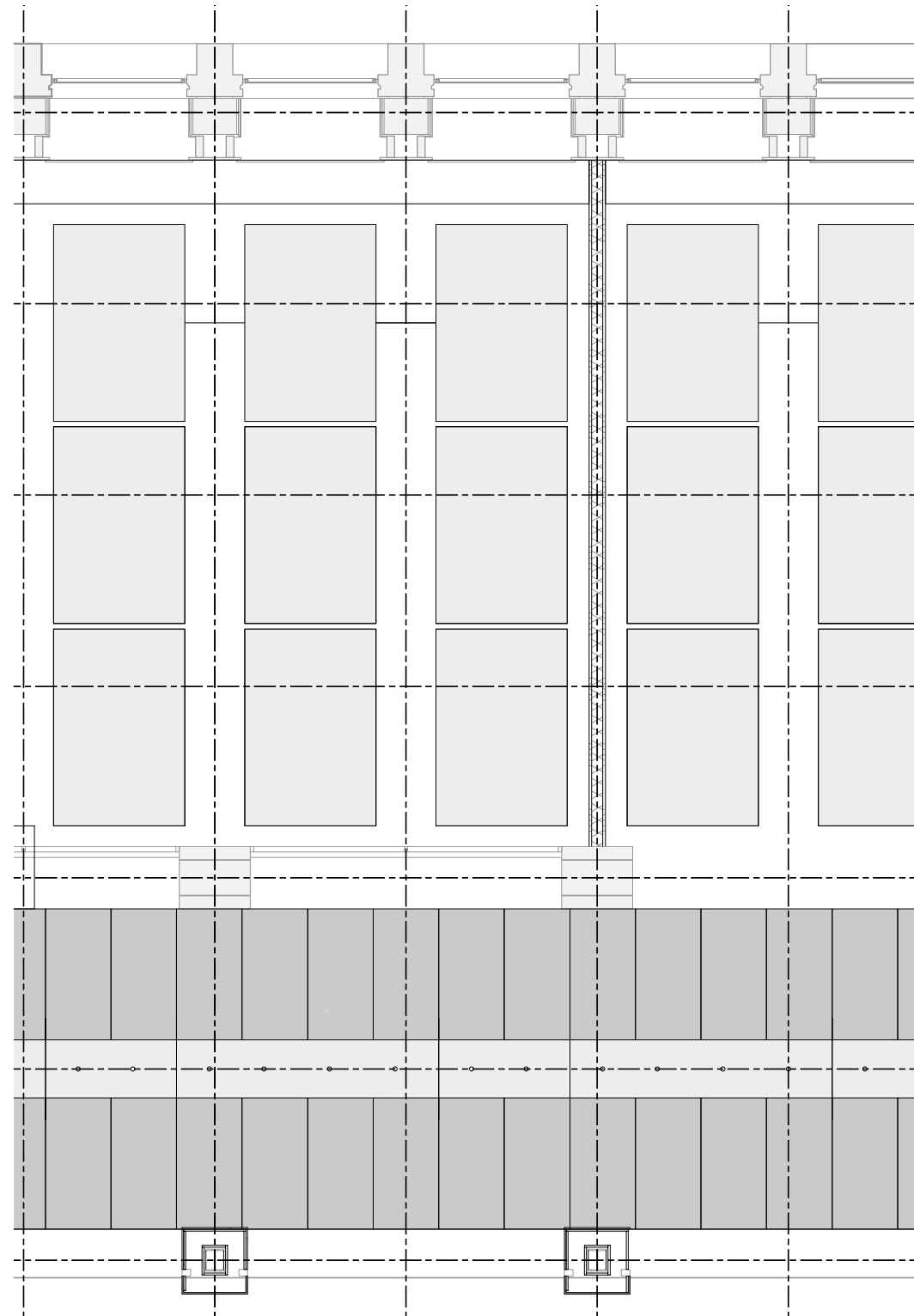
climate plaster in atrium

akoustische panelen

akoustische plafondafwerking

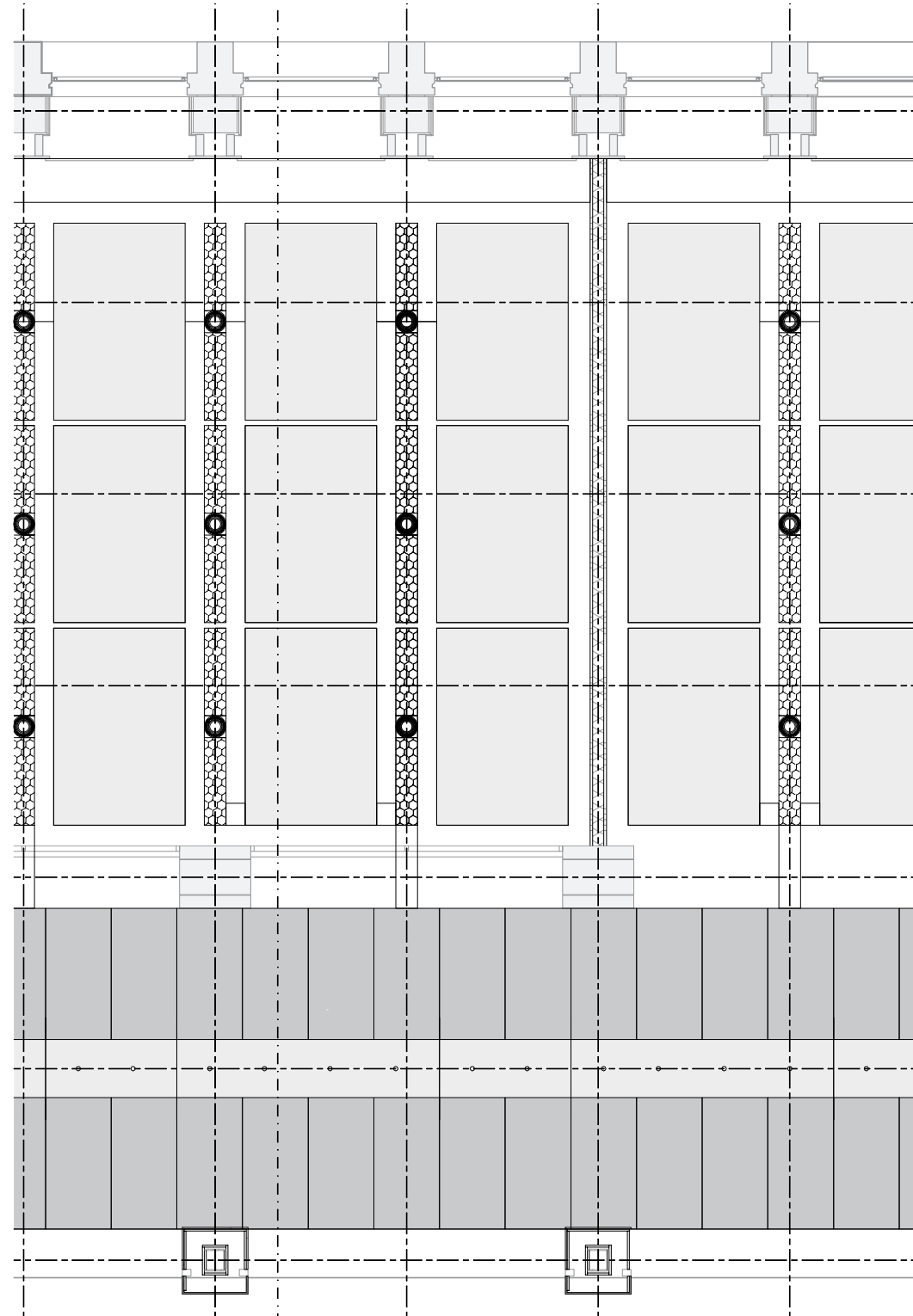
plafond type H inblaas

akoustiek, verlichting en luchtbehandeling



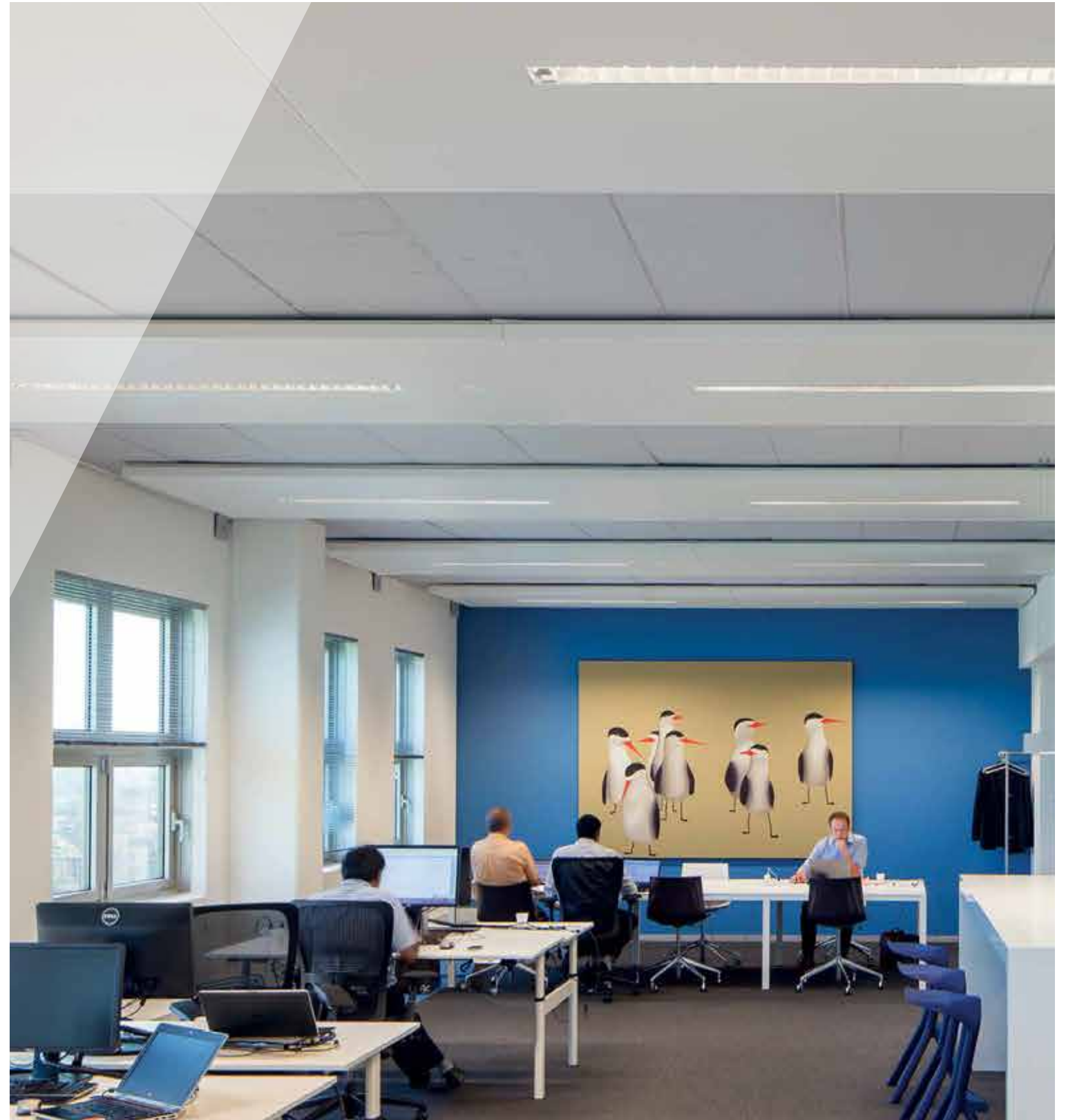
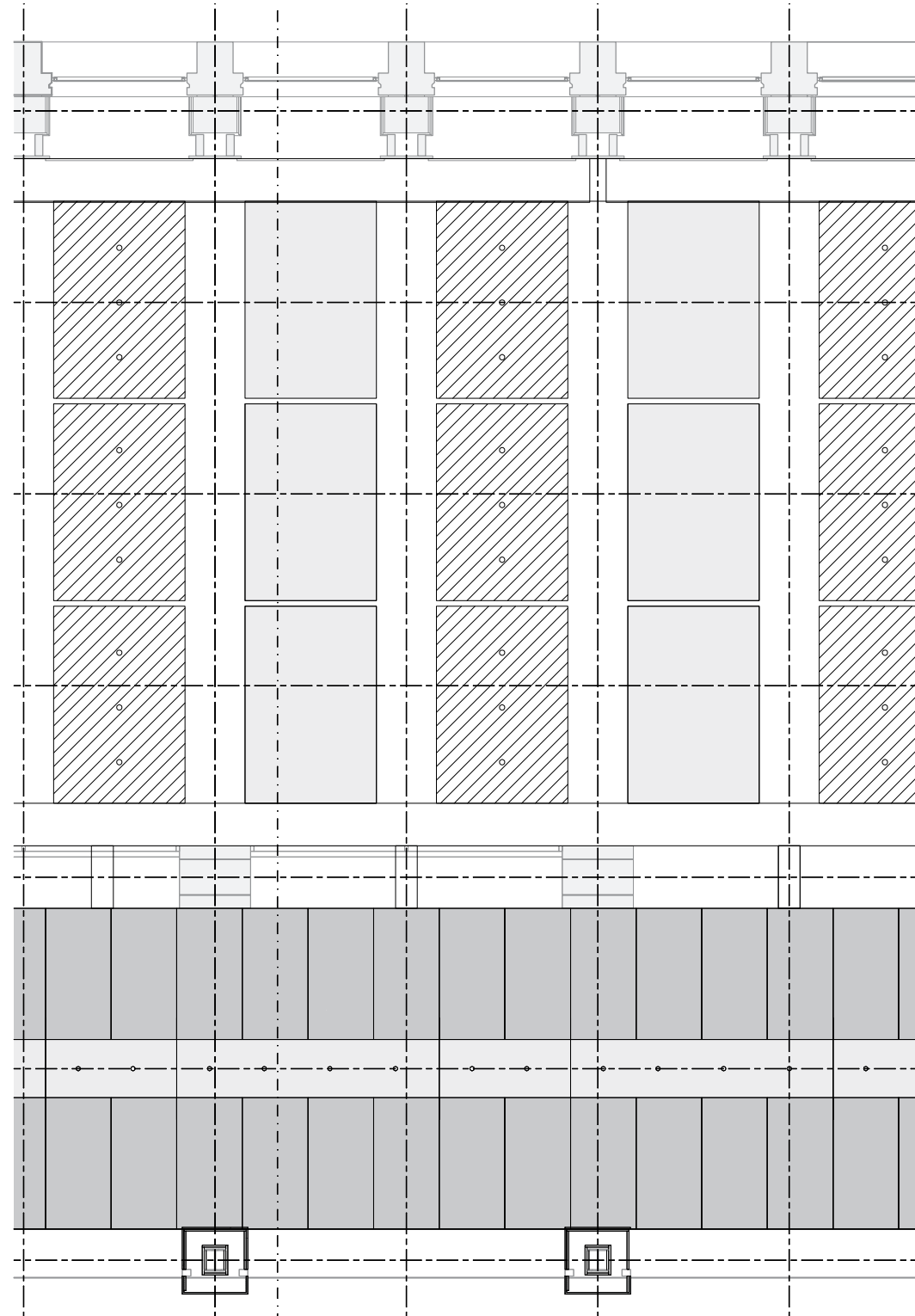
plafond type A dral roosters

akoustiek, verlichting en luchtbehandeling



plafond type C hybridair klimaateilanden

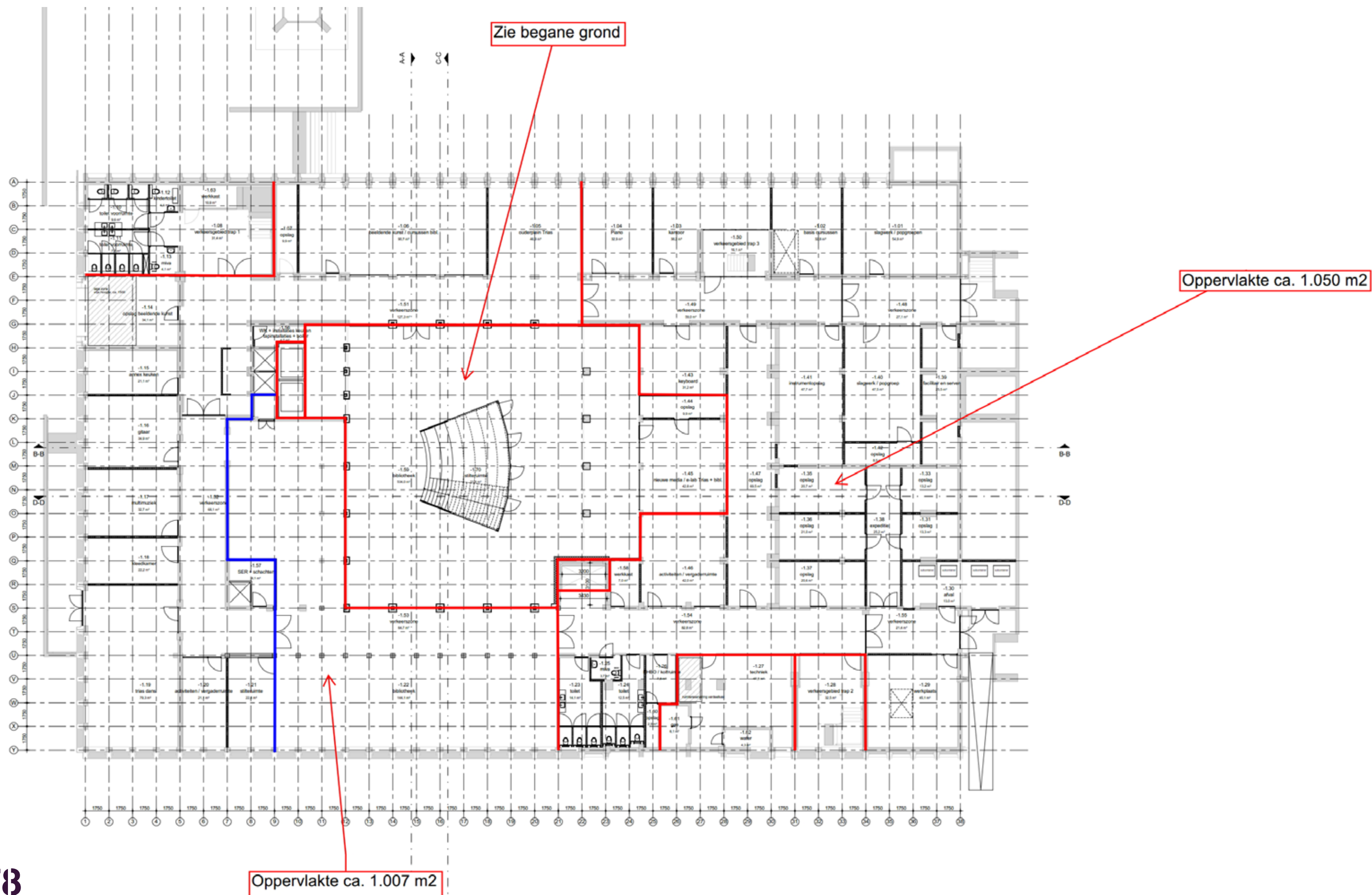
akoestiek, verlichting en luchtbehandeling



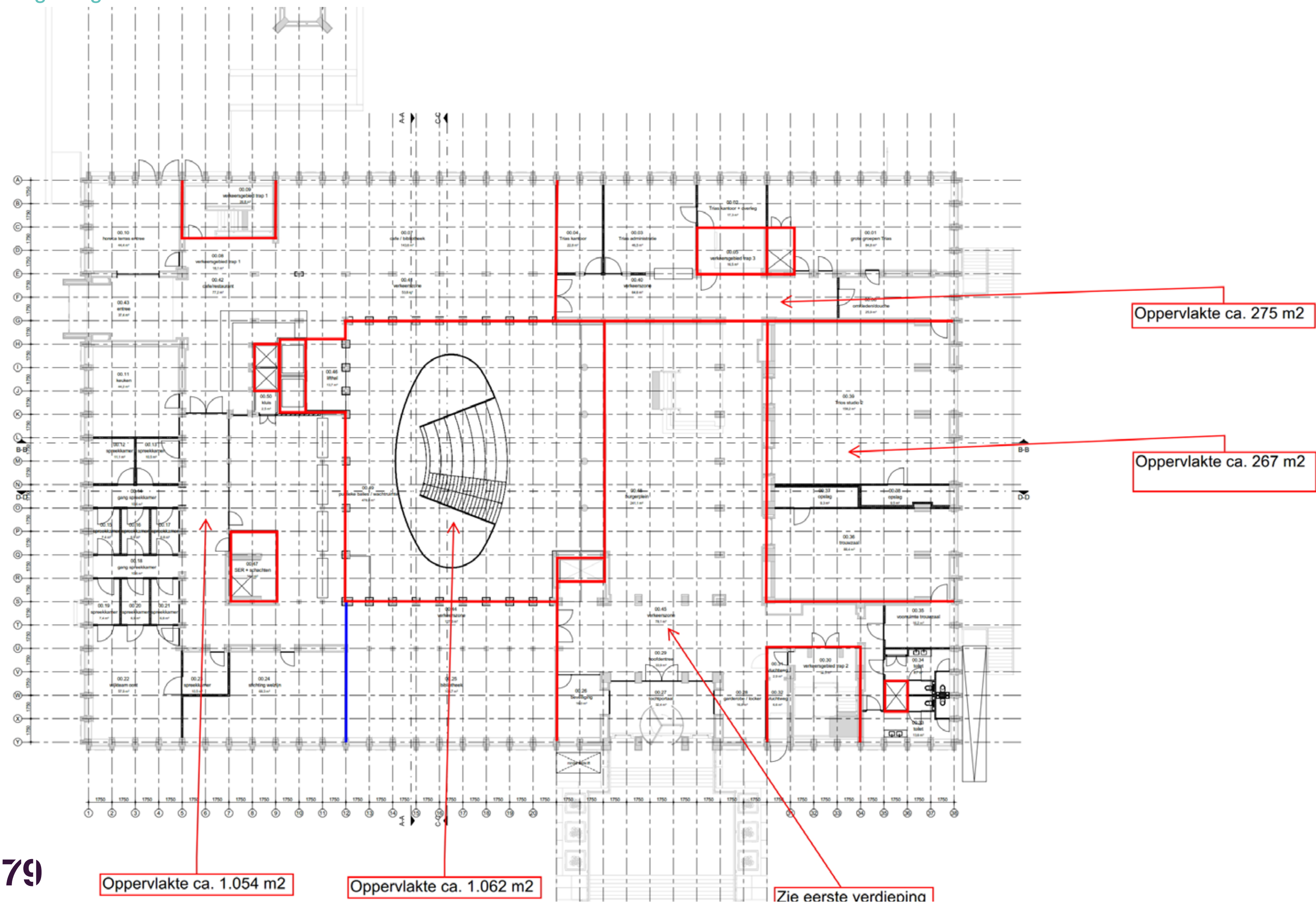
brandcompartimentering

zonder sprinkler installatie
brandschermen rond open atrium
ook voor afsluitbaarheid zones

souterrain

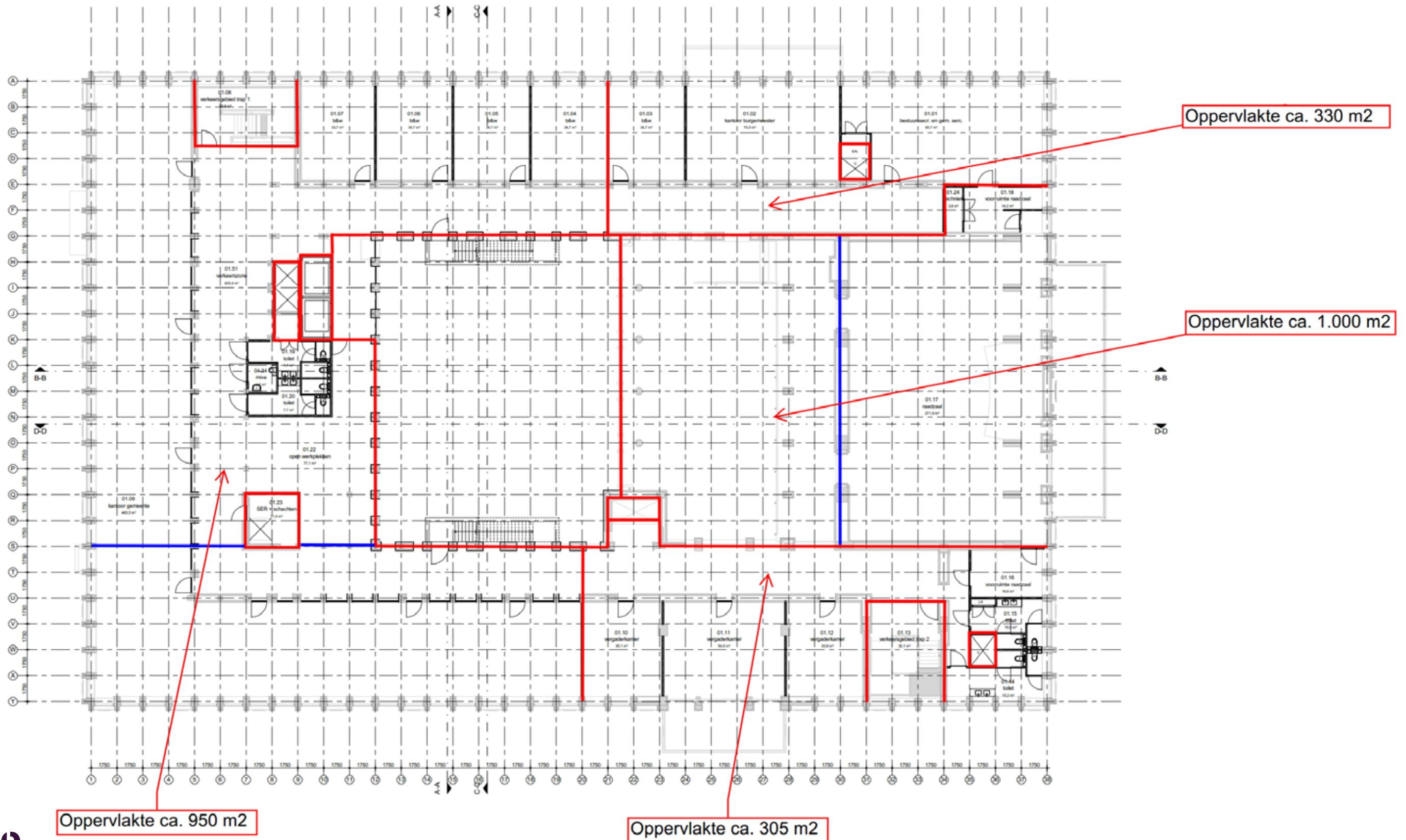


begane grond

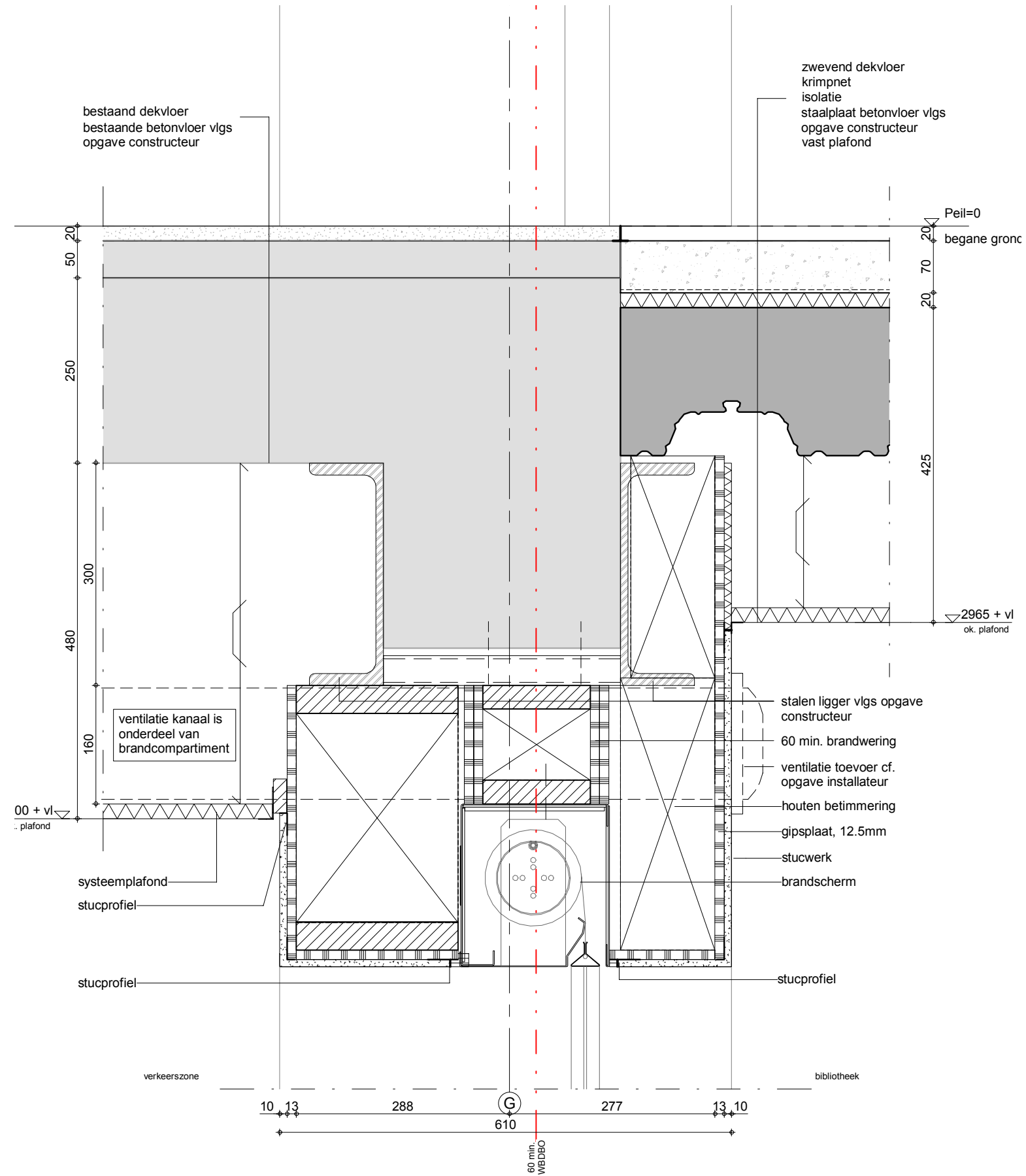
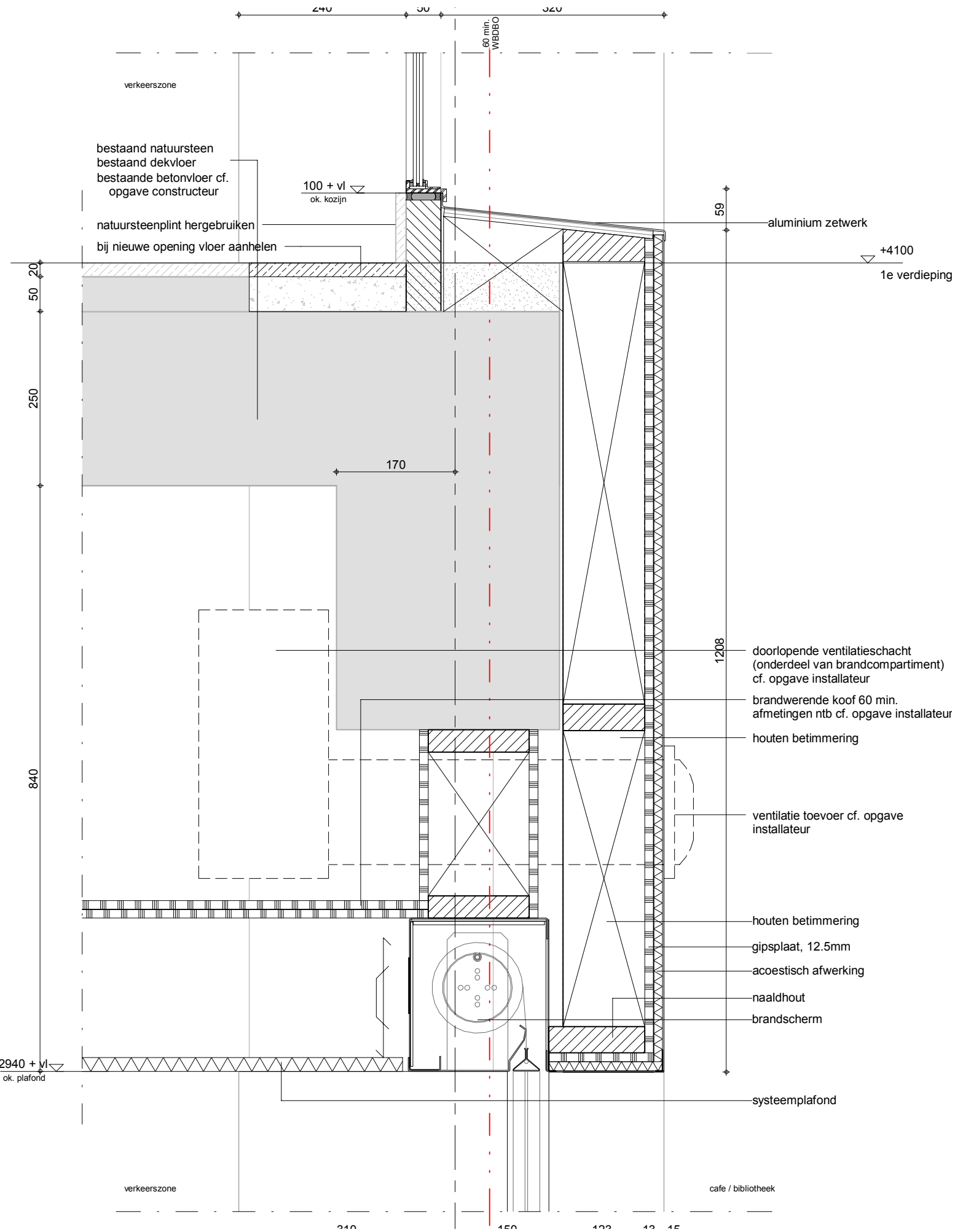


brandcompartimentering

eerste verdieping

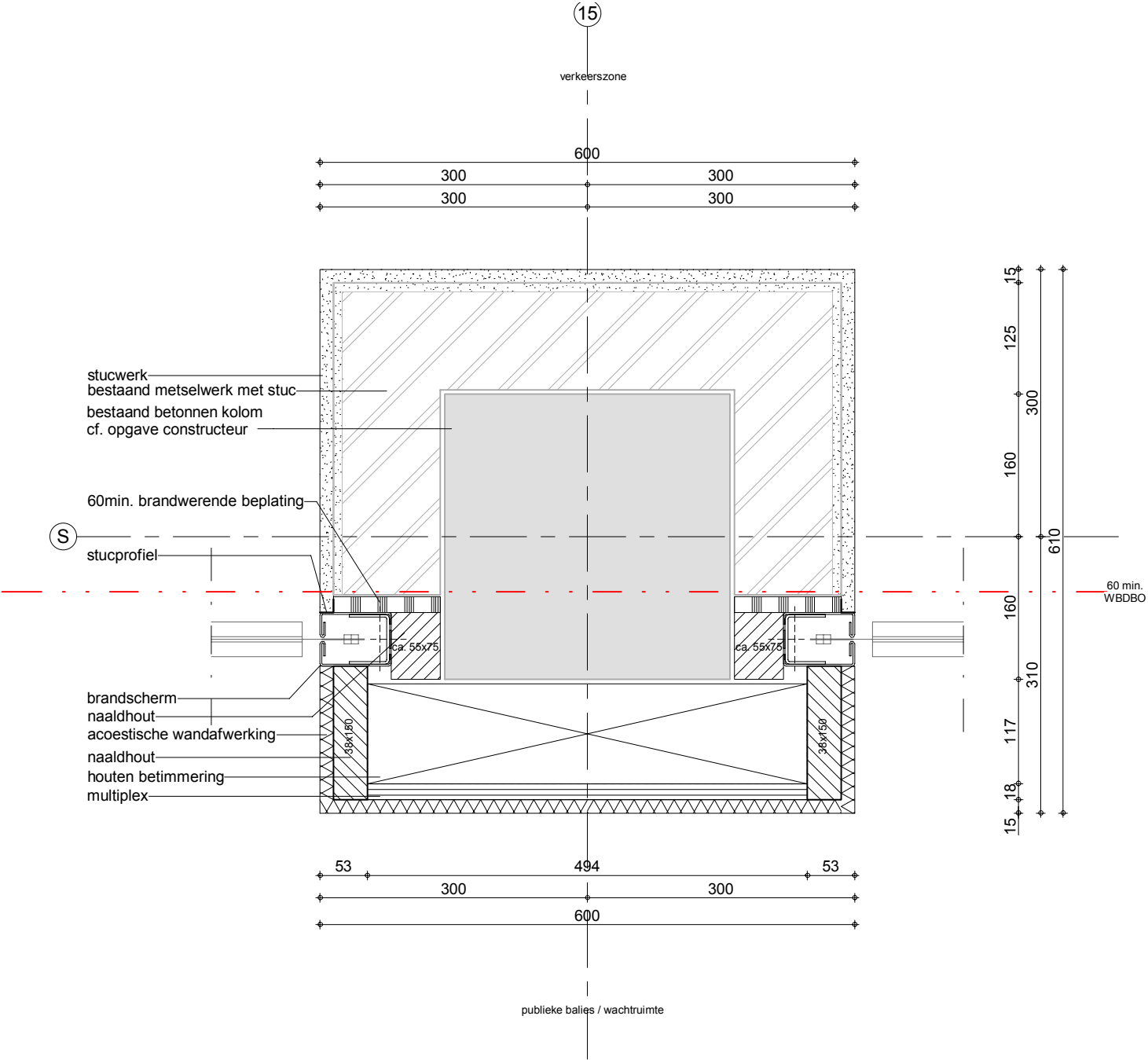


brandcompartimentering
brandschermen



brandschermen

detail atrium



samenwerken in BIM

DO

- installatie 3d model Swebru
- constructief 3d model Pieters
- ontwerp en bouwkundig 3d model inbo



huis van de stad

plek voor iedereen



huis van de stad

plek voor iedereen





Jeroen Simons
Alissa Labeur-Terwindt
Fabian van Aerschot



William Sanders
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Hubert Kuipers



Jaco de Wildt
Jan Lankelma