

CARMODY GROARKE
TRANS R=ST

Design Museum Gent

Facade Development Outline Brief
19.05.21

The Design Museum



Drabstraat - front south facing facade



Drabstraat - down the street east facing facade



Courtyard view - rear north facing facade

The importance of the facade material



The building should read as a monolith at city scale



At street scale the facade should be intriguing



At human scale the facade should read as something crafted and tactile, it should want to be touched.

Outline Brief

Facade brief

The facade material is one of the most important aspects of DING! and the design team have designed a brick building which sits within the long tradition of brick architecture in Flanders.

Alongside technical specifications and achieving the desired aesthetic, the facade material must embody the values of the The Design Museum; namely those of sustainability, innovation, craft, making and narrative.

The facade must also:

- embody ambitions of project in that it is a low-embodied carbon solution, which can be sourced with circularity in mind and from local sources;
- functionally act as rain screen for the mass structural timber frame;
- be white or cream / light grey in tone;
- be deliverable on budget;
- have a specification which can be communicated to a Belgium contractor for production.

Outline Specification

Total area (sqm)
1,341sqm

Total number of bricks
Approx 100,575

Tender deadline
10.2021

Performance tests required
To be confirmed

Performance testing deadline
To be confirmed

Initial lists of standards that the bricks must meet:

22.00. facade masonry - general

Material

- STS 22 applies.

Performance

- The masonry is carried out according to the rules of the art and in accordance with STS 22 and NBN EN 1996.

22.11. materials - mortar

22.11.10. materials - mortar / masonry mortar

- NBN EN 998-2 - Specifications for mortars - Part 2: Masonry mortar applies.
- The mortar bears the BENOR mark or equivalent.

22.11.20. materials - mortar / grout

- The NBN EN 998-2 - Specifications for mortars - Part 2: Masonry mortar and TV 208 Grouting of masonry are applicable.
- The mortar bears the BENOR mark or equivalent.

22.21. facing bricks - brick

Material

- The NBN EN 771-1 Regulations for masonry bricks - Part 1: Masonry brick applies.
- Only stones belonging to category I according to NBN EN 771-1 may be used.
- The bricks belong to class HD (high density) according to NBN EN 771-1.
- The stones bear the BENOR mark or equivalent. A certificate is included with every delivery
- originally added.
- The contractor submits at least three samples with performance data sheet to the designer.
- Content of active soluble salts: category S2 (according to NBN EN 771-1).

22.21.10. facing bricks - brick / extruded bricks

- Frost class (according to NBN B 27-009): very frost resistant

Specificatie gevel

Totale oppervlakte (m²)
1,341sqm

Totaal aantal bakstenen
ca. 100,575

Deadline aanbesteding
10.2021

Deadline materiaaltesten
Te bevestigen

Eerste lijsten van normen waaraan de bakstenen moeten voldoen:

22.00. gevelmetselwerk - algemeen

Materiaal

- STS 22 is van toepassing.

Uitvoering

- Het metselwerk wordt uitgevoerd volgens de regels van de kunst en in overeenstemming met STS 22 en NBN EN 1996.

22.11. materialen - mortel

22.11.10. materialen - mortel / metselspecie

- NBN EN 998-2 - Specificaties voor mortels - Deel 2: Metselmortel is van toepassing.
- De mortel draagt het BENOR-merkteken of een gelijkwaardig merk.

22.11.20. materialen - mortel / voegmortel

- De NBN EN 998-2 - Specificaties voor mortels - Deel 2: Metselmortel en TV 208 Voegen van metselwerk zijn van toepassing.
- De mortel draagt het BENOR-merkteken of een gelijkwaardig merk.

22.21. gevelstenen - baksteen

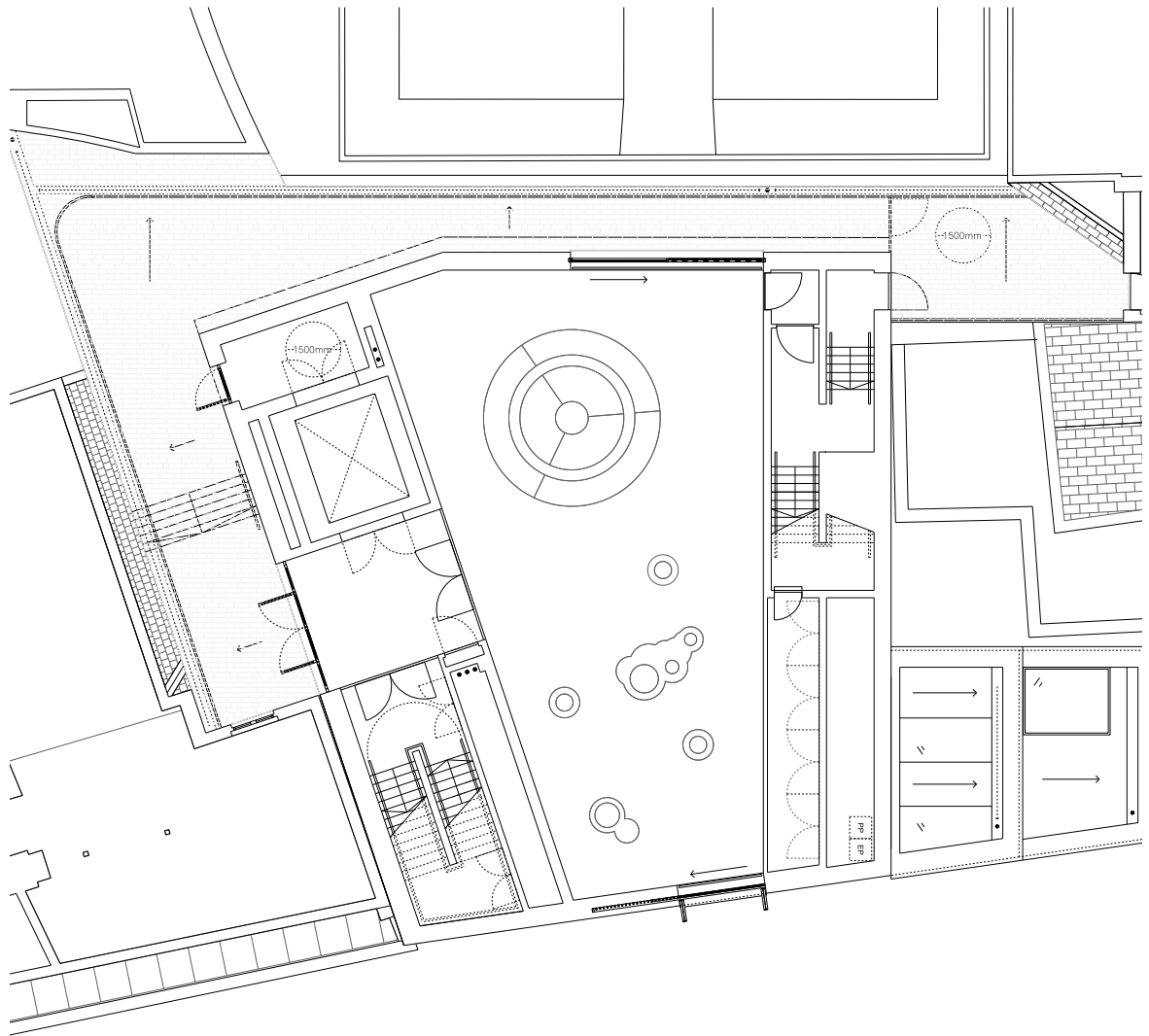
Materiaal

- De NBN EN 771-1 Voorschriften voor metselbakstenen - Deel 1: Metselbaksteen is van toepassing.
- Enkel stenen die behoren tot categorie I volgens NBN EN 771-1 mogen gebruikt worden.
- De bakstenen behoren tot klasse HD (hoge densiteit) volgens NBN EN 771-1.
- De stenen dragen het BENOR-merk of gelijkwaardig. Bij elke levering wordt een certificaat toegevoegd.
- De aannemer bezorgt minstens drie stalen met prestatiegegevens aan de ontwerper.
- Gehalte aan actieve oplosbare zouten: categorie S2 (volgens NBN EN 771-1).

22.21.10. gevelstenen - baksteen / geëxtrudeerde bakstenen

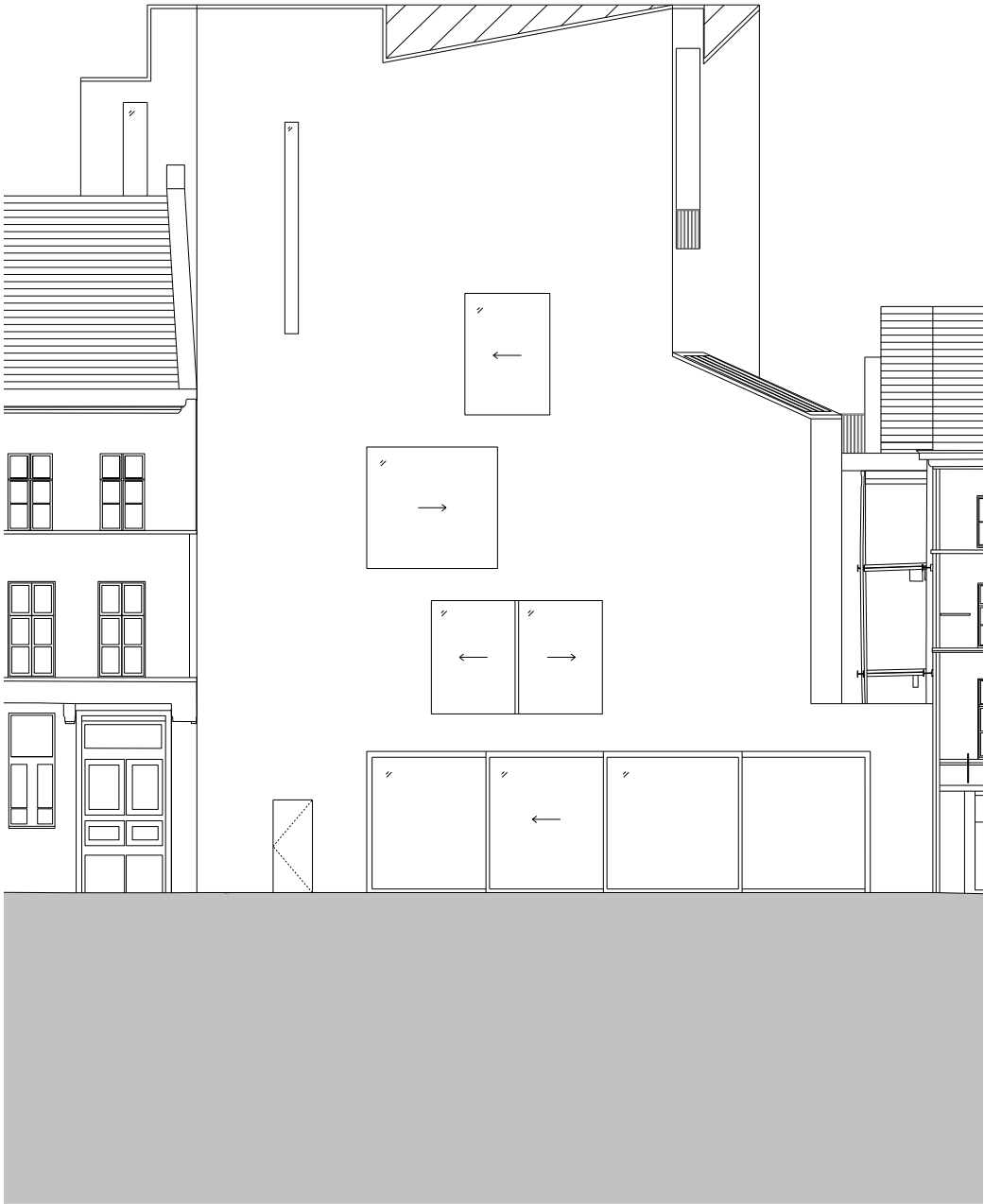
- Vorstklasse (volgens NBN B 27-009): zeer vorstbestendig

+ 3 Terrace



Total area:
121sqm

Front Elevation



Total area:
377sqm

Rear Elevation



Total area:
225sqm

East Elevation



Total area:
464sqm

West Elevation



Total area:
155sqm

Total area:
1,341sqm

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