

Een studie naar het verbeteren van de leefomgeving van de wijk Lunetten na de uitbreiding van de A12 en A27

Wonen Boven de A12

Bijlagen

Afstudeer rapport van:

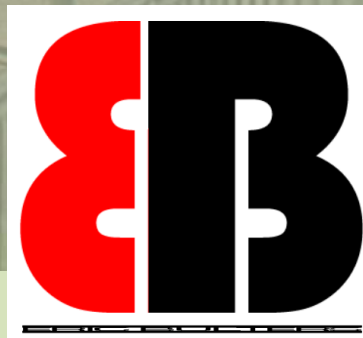
Eric Bulters
Student van de opleiding Bouwkunde
Studenten nummer 1557217
Blois van treslongstraat 85Bis
Utrecht
06-53107471
Eric.Bulters@student.hu.nl

Tijdens mijn afstuderen werd ik begeleid door:

Shai van Vlijmen
Hoofdarchitect van:
Narrativa Architecten
Zwarte Woud 238
Utrecht
030-7521788
mail@narrativa.nl

Vanuit school werd ik begeleid door:

Jur Jonges
Marieke van der Laan

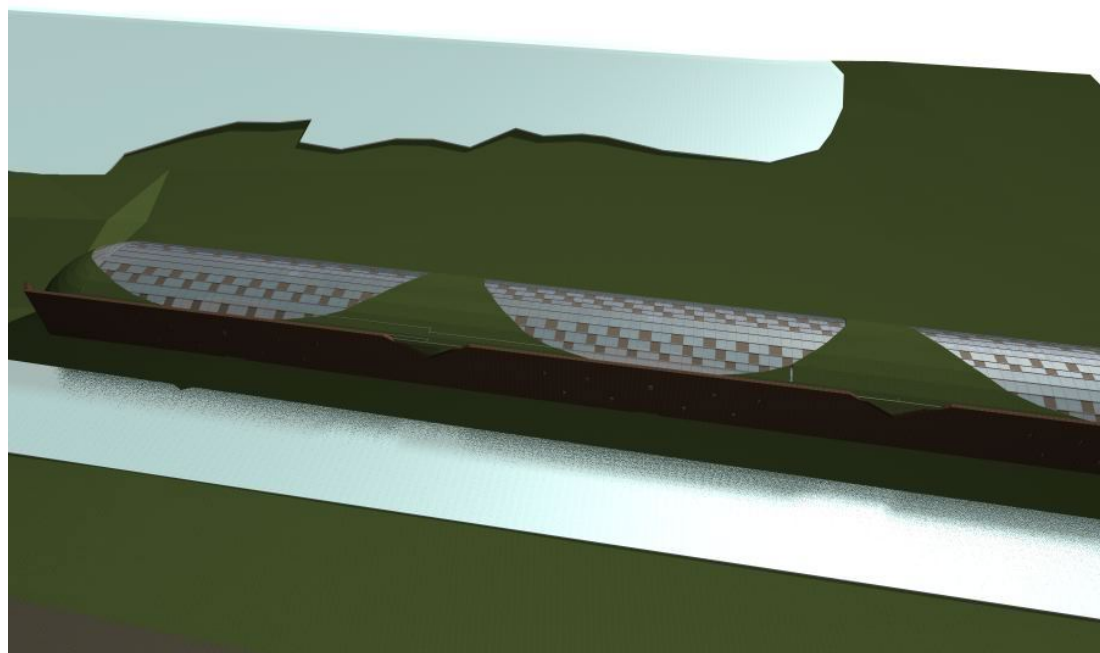
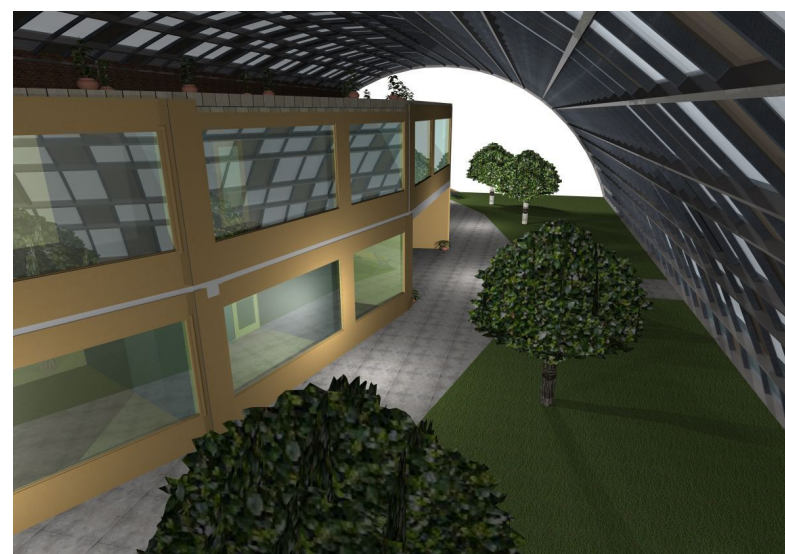
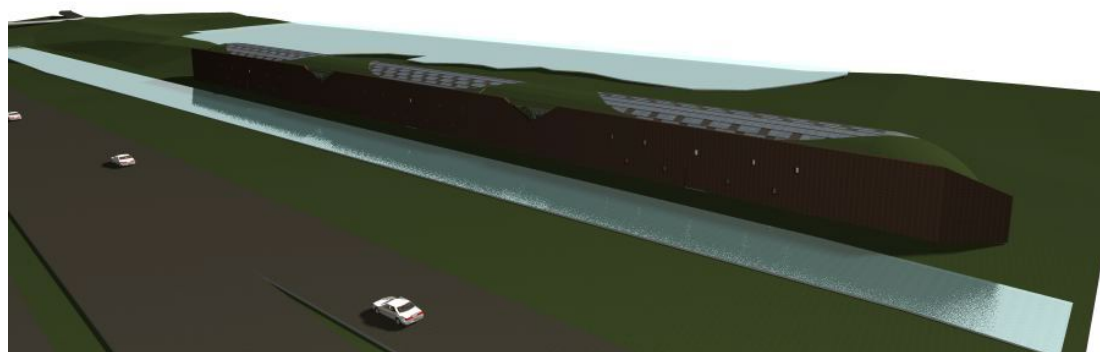
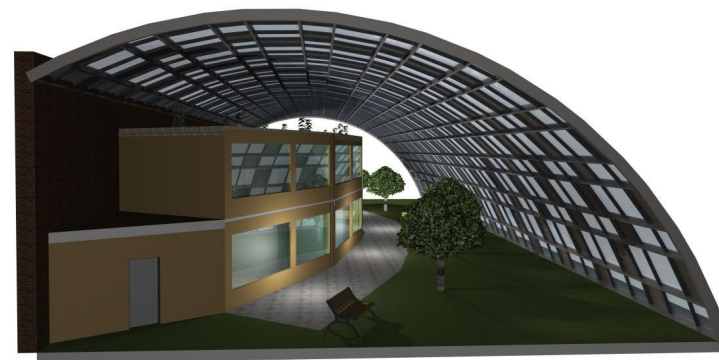
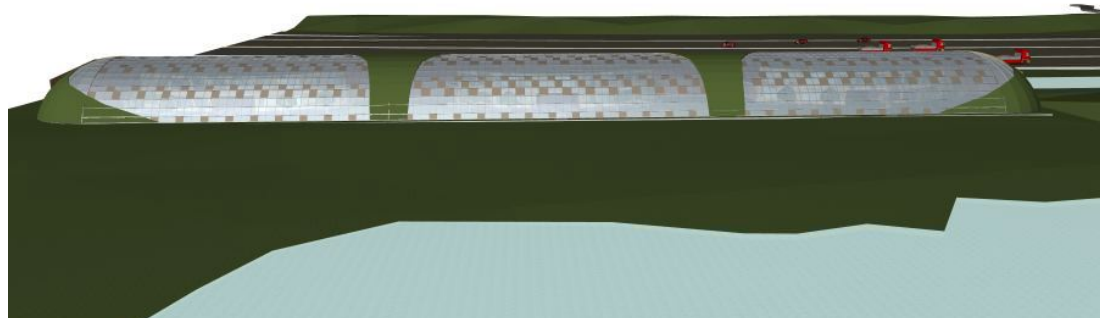


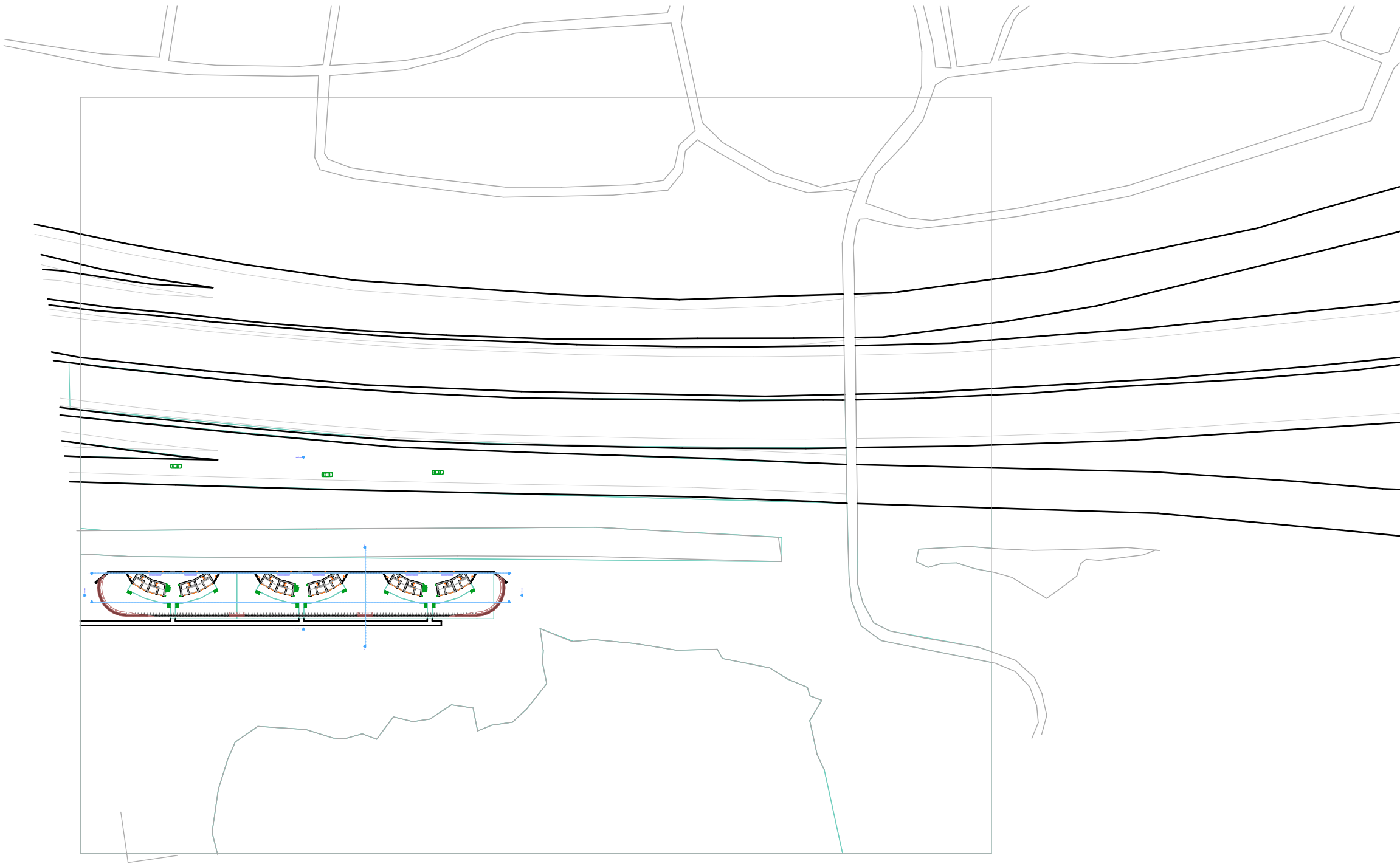
Bijlagen



Concept gebouw 1







0.

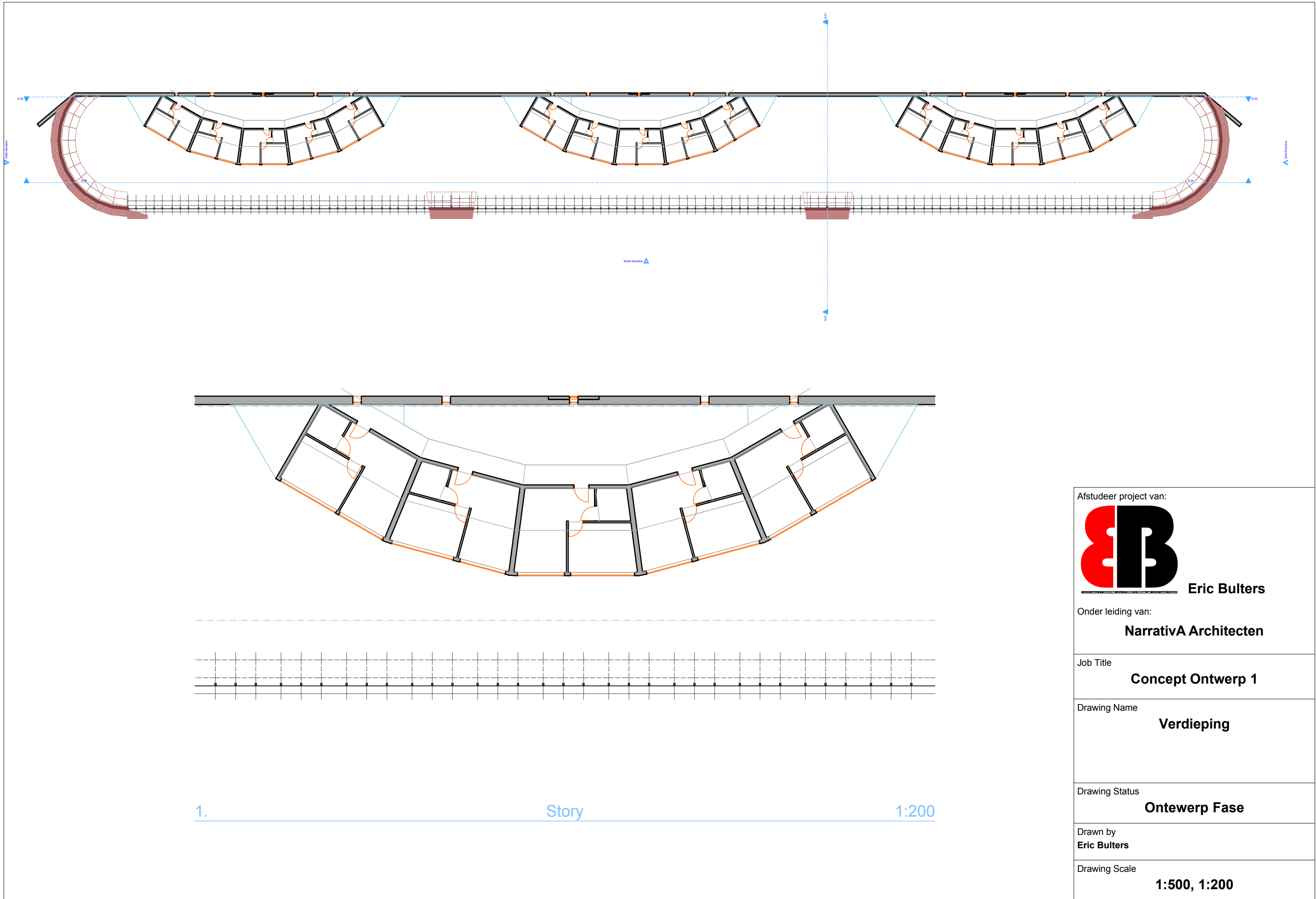
Ground Floor

1:2000

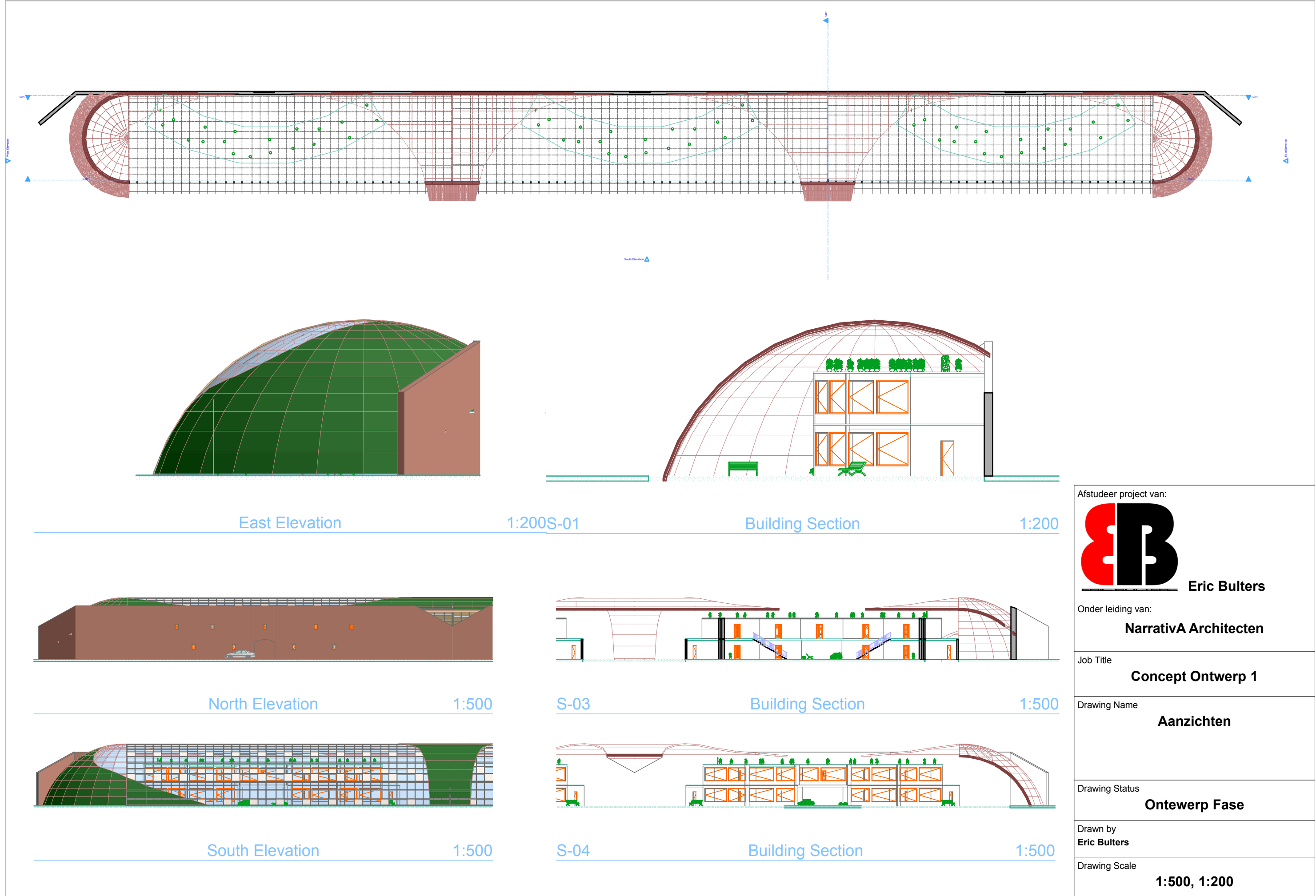
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Onder leiding van:	Narrativa Architecten
Job Title	Concept Ontwerp 1
Drawing Name	locatie
Drawing Status	Ontwerp Fase
Drawn by	Eric Bulters
Drawing Scale	1:2000



Afstudeer project van:	 Eric Bulters
Onder leiding van:	Narrativa Architecten
Job Title	Concept Ontwerp 1
Drawing Name	Beganegron
Drawing Status	Ontwerp Fase
Drawn by	Eric Bulters
Drawing Scale	1:500, 1:200



Afstudeer project van:	 Eric Bulters
Onder leiding van:	Narrativa Architecten
Job Title	Concept Ontwerp 1
Drawing Name	Verdieping
Drawing Status	Ontwerp Fase
Drawn by	Eric Bulters
Drawing Scale	1:500, 1:200



Afstudeer project van:

EB Eric Bulters

Onder leiding van:

Narrativa Architecten

Job Title

Concept Ontwerp 1

Drawing Name

Aanzichten

Drawing Status

Ontwerp Fase

Drawn by

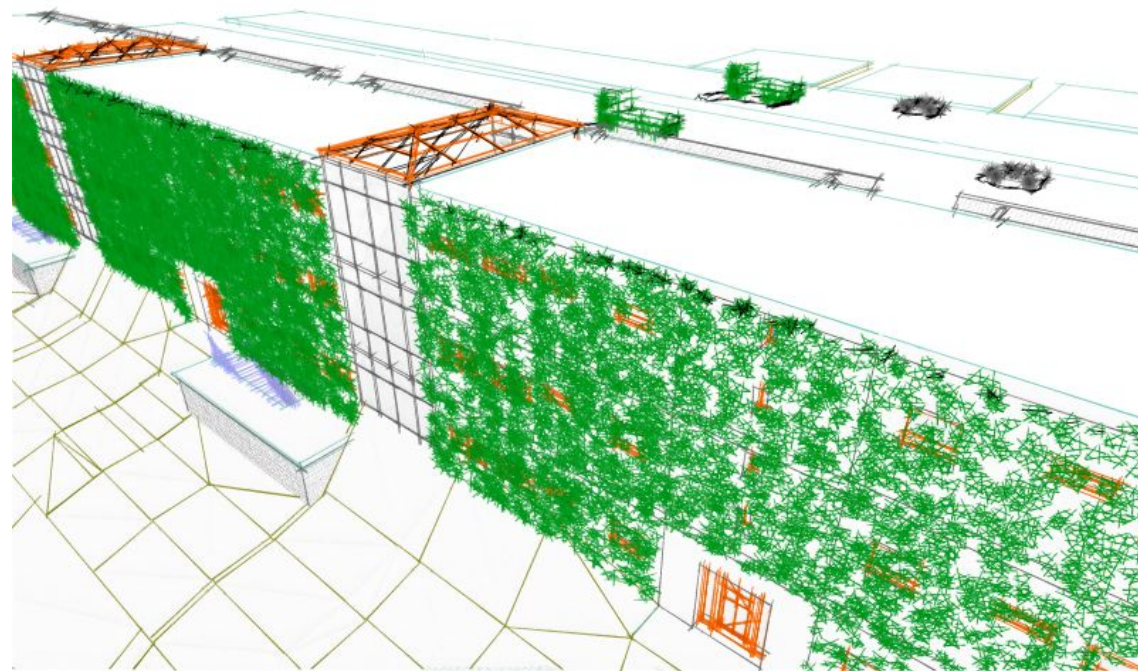
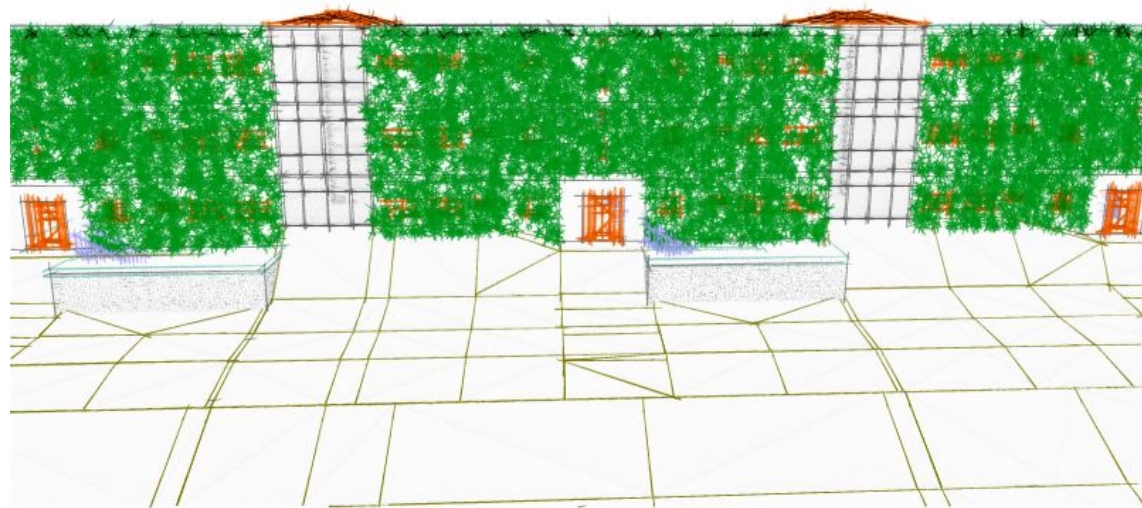
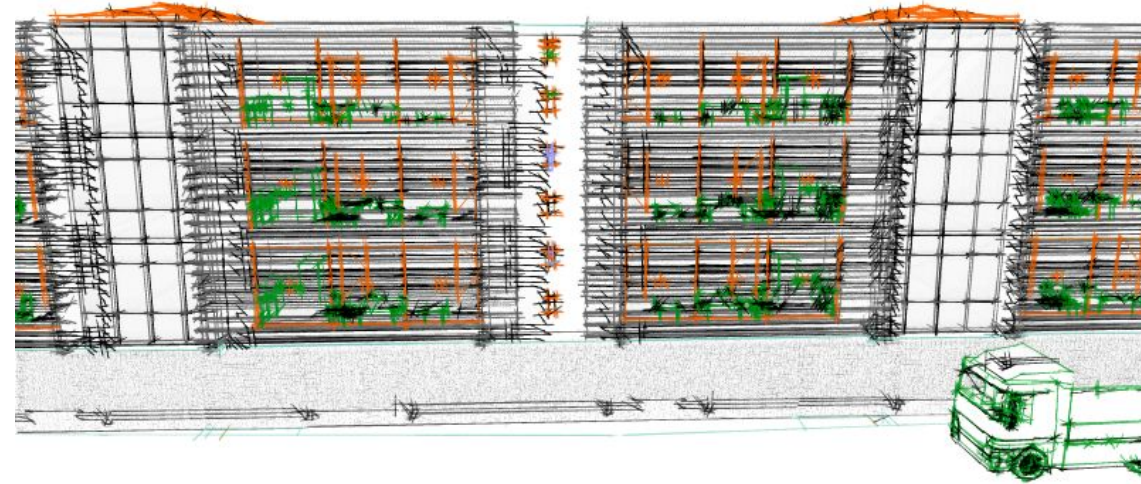
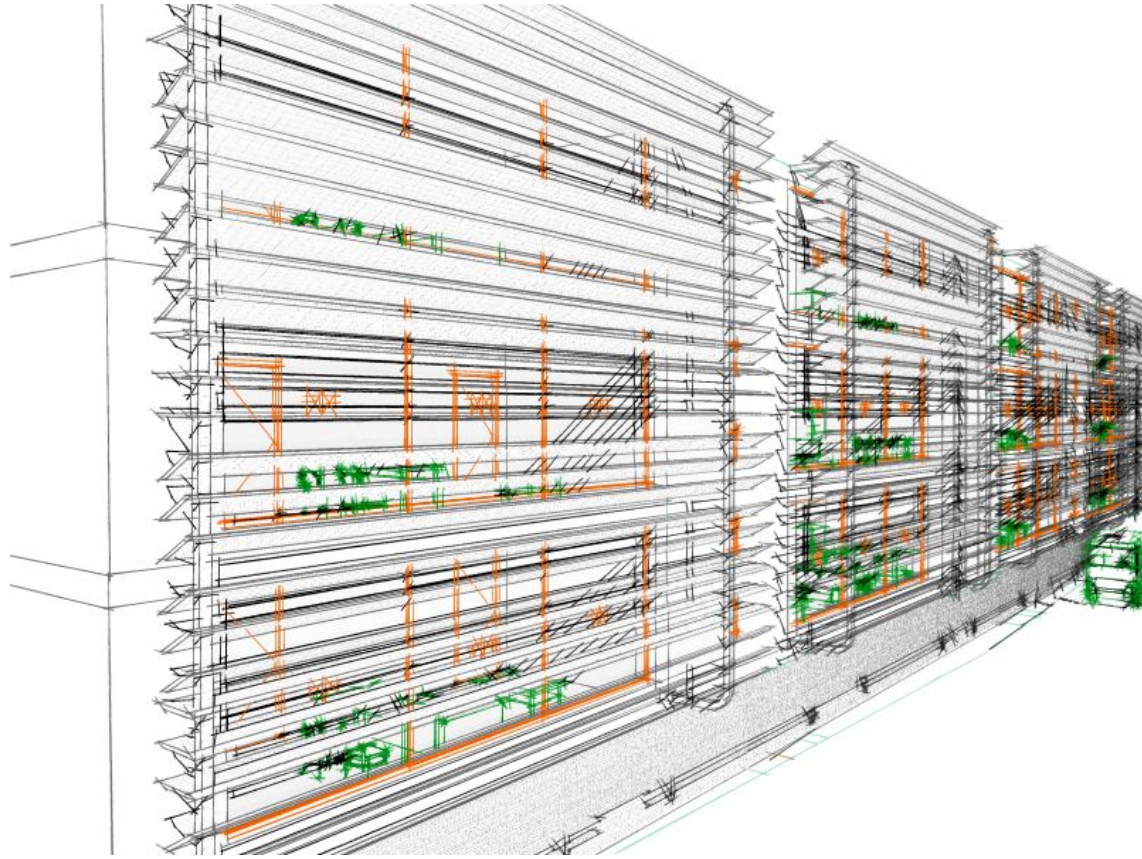
Eric Bulters

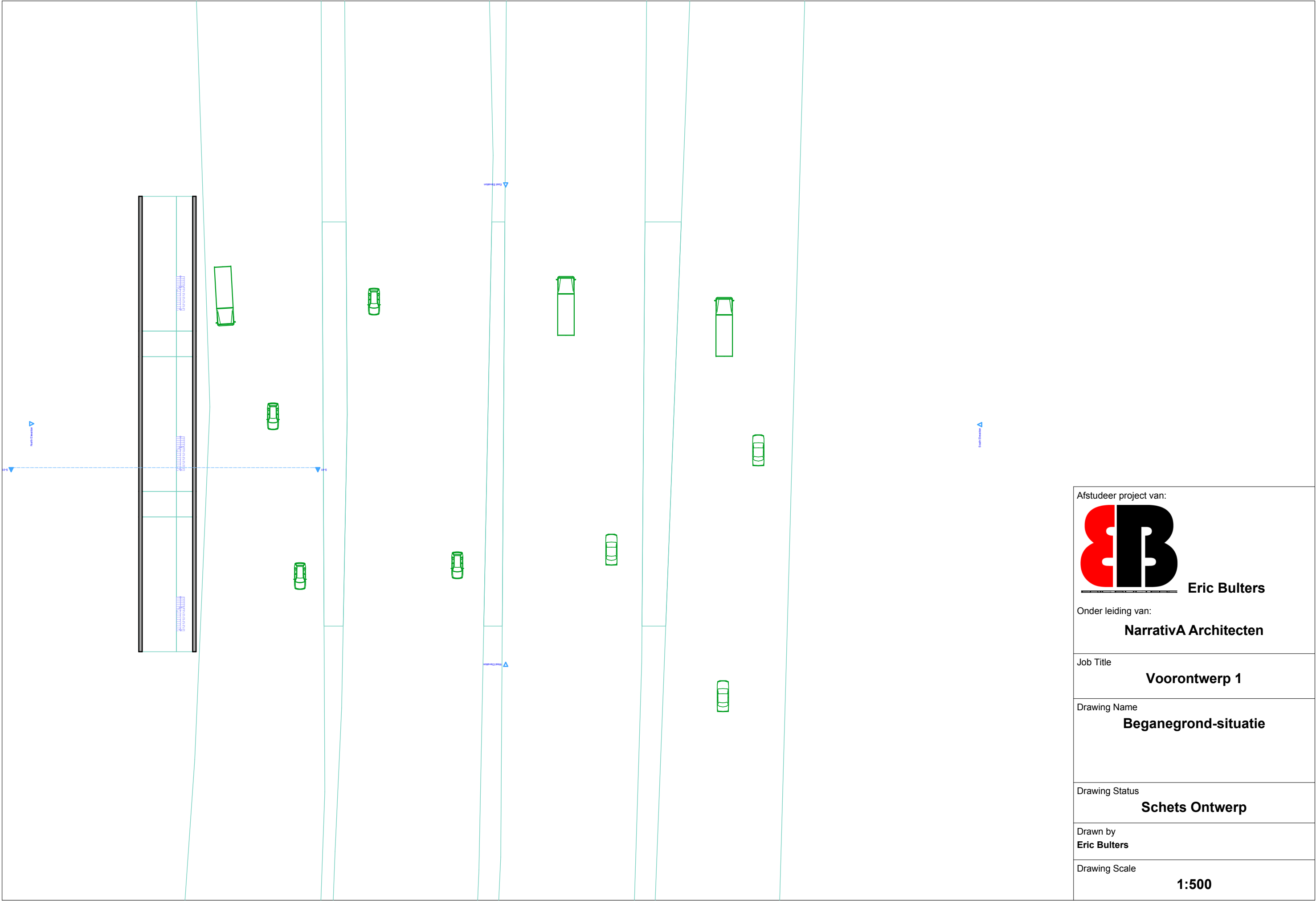
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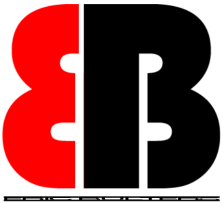
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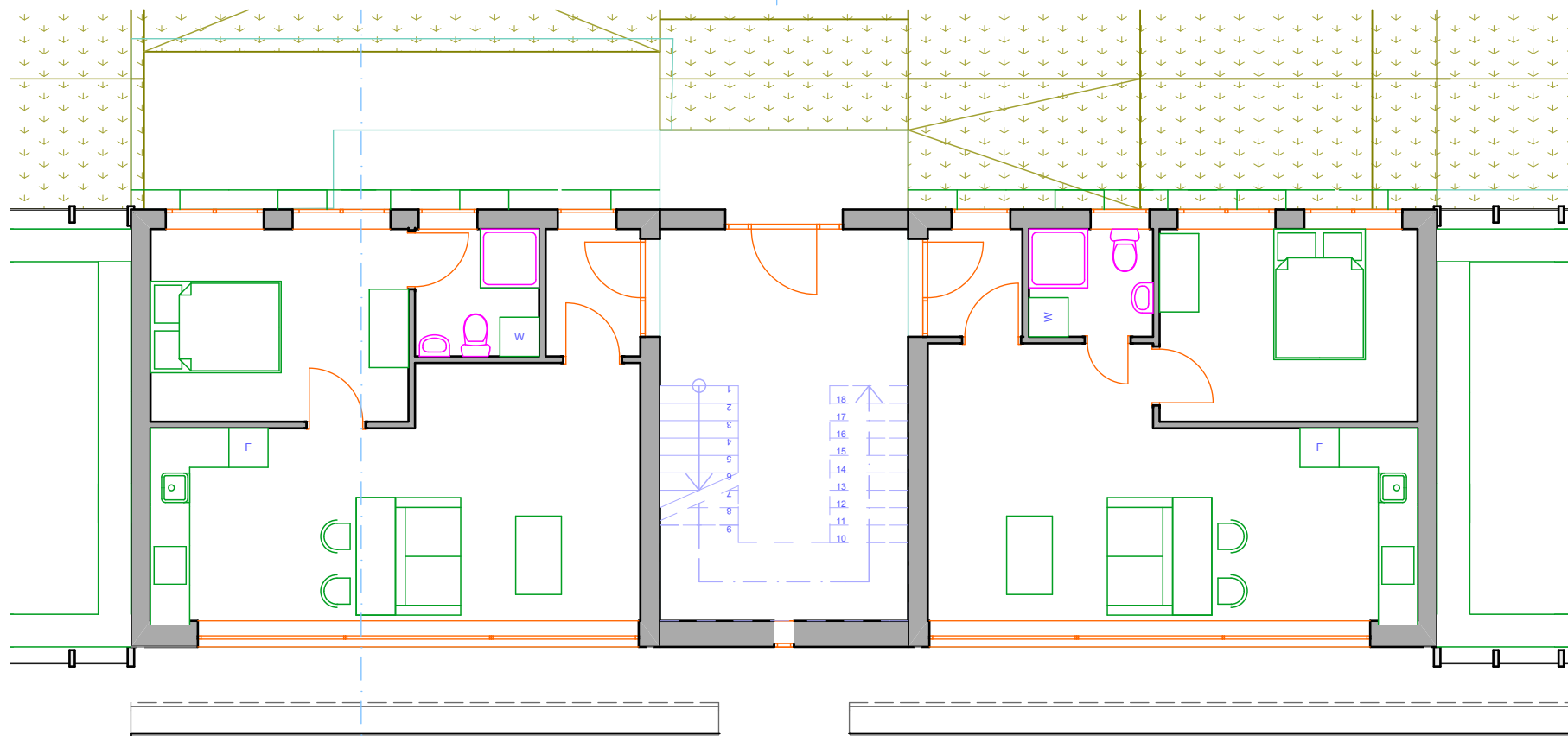
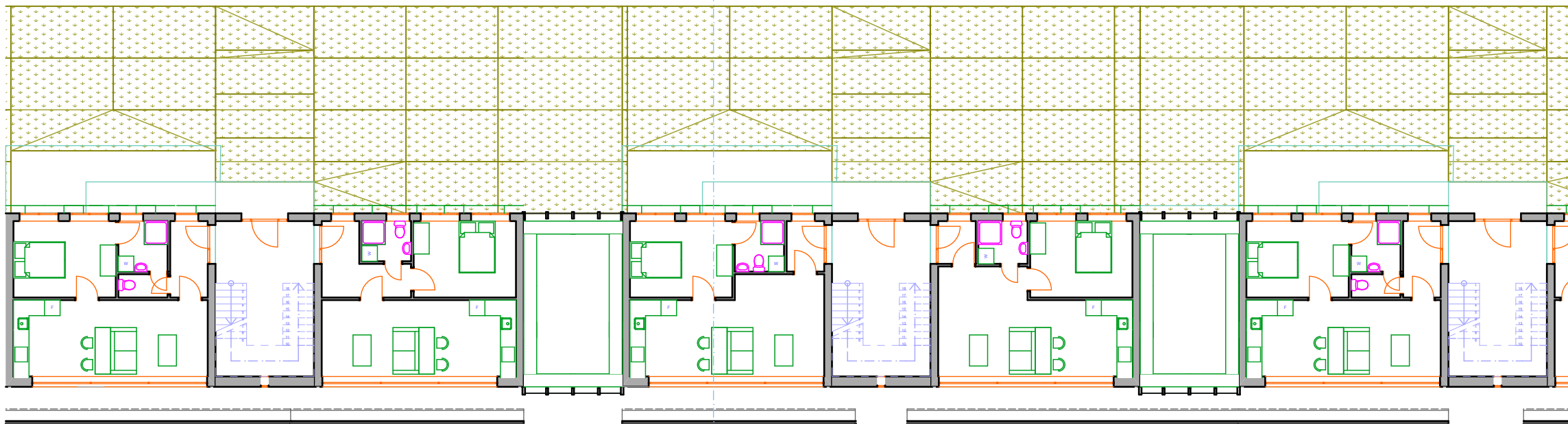
Voorontwerp 1







Afstudeer project van:	 Eric Bulters
Onder leiding van:	Narrativa Architecten
Job Title	Voorontwerp 1
Drawing Name	Begangrond-situatie
Drawing Status	Schets Ontwerp
Drawn by	Eric Bulters
Drawing Scale	1:500



2.

Story

1:100

Afstudeer project van:



Eric Bulters

Onder leiding van:

Narrativa Architecten

Job Title

Voorontwerp 1

Drawing Name

Verdieping

Drawing Status

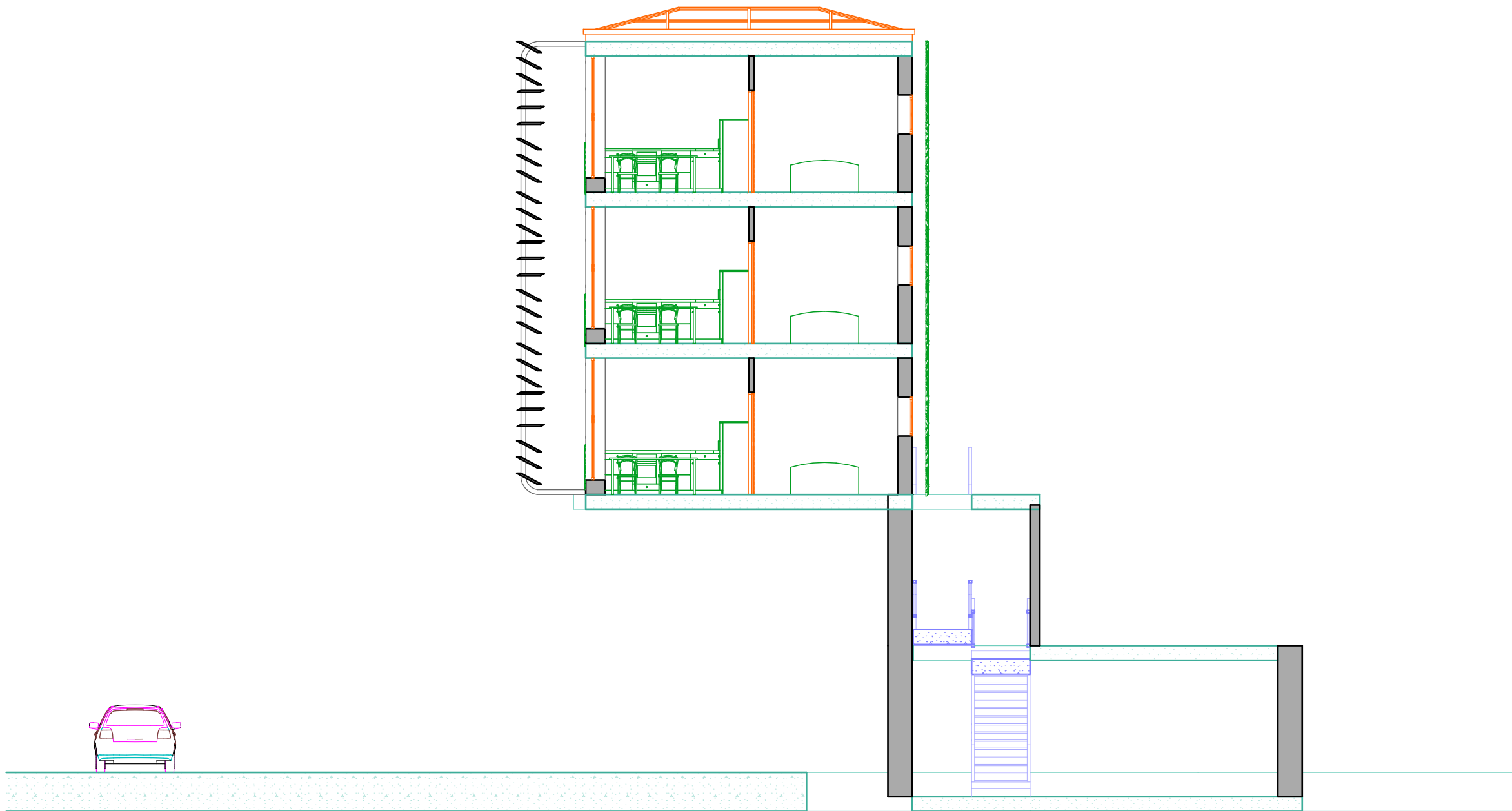
Schets Ontwerp

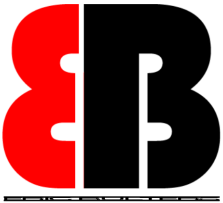
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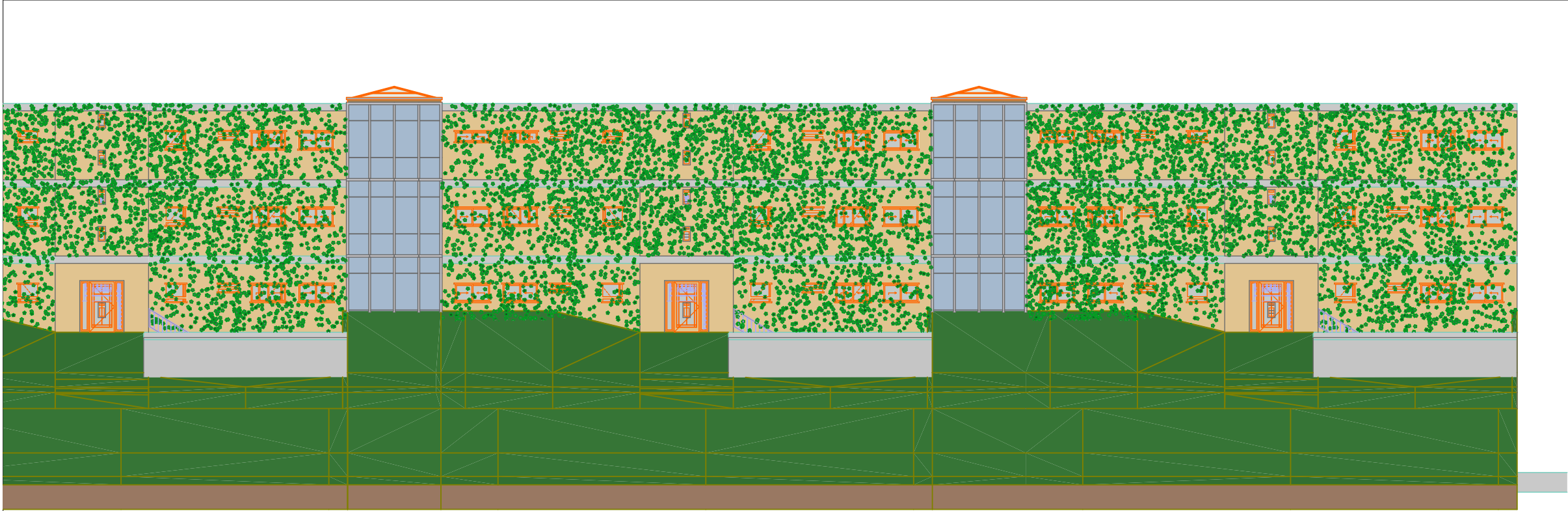
Eric Bulters

Drawing Scale

1:200, 1:100

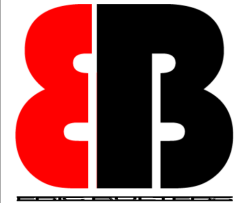


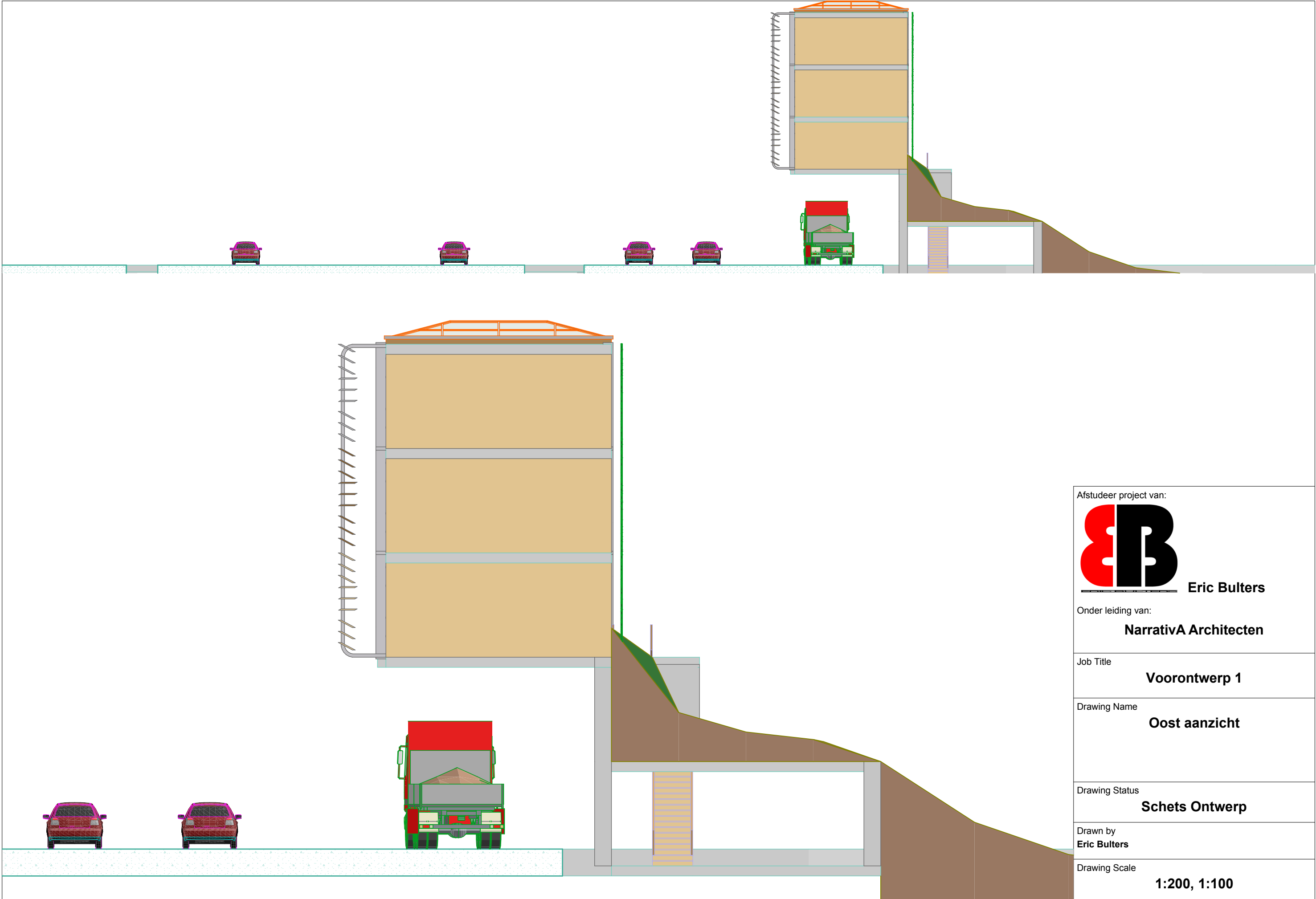
Afstudeer project van:	 Eric Bulters
Onder leiding van:	Narrativa Architecten
Job Title	Voorontwerp 1
Drawing Name	Doorsnede
Drawing Status	Schets Ontwerp
Drawn by	Eric Bulters
Drawing Scale	1:100



South Elevation

1:200

Afstudeer project van:	 Eric Bulters
Onder leiding van:	Narrativa Architecten
Job Title	Voorontwerp 1
Drawing Name	Aanzichten
Drawing Status	Schets Ontwerp
Drawn by	Eric Bulters
Drawing Scale	1:200



Afstudeer project van:



Eric Bulters

Onder leiding van:

Narrativa Architecten

Job Title

Voorontwerp 1

Drawing Name

Oost aanzicht

Drawing Status

Schets Ontwerp

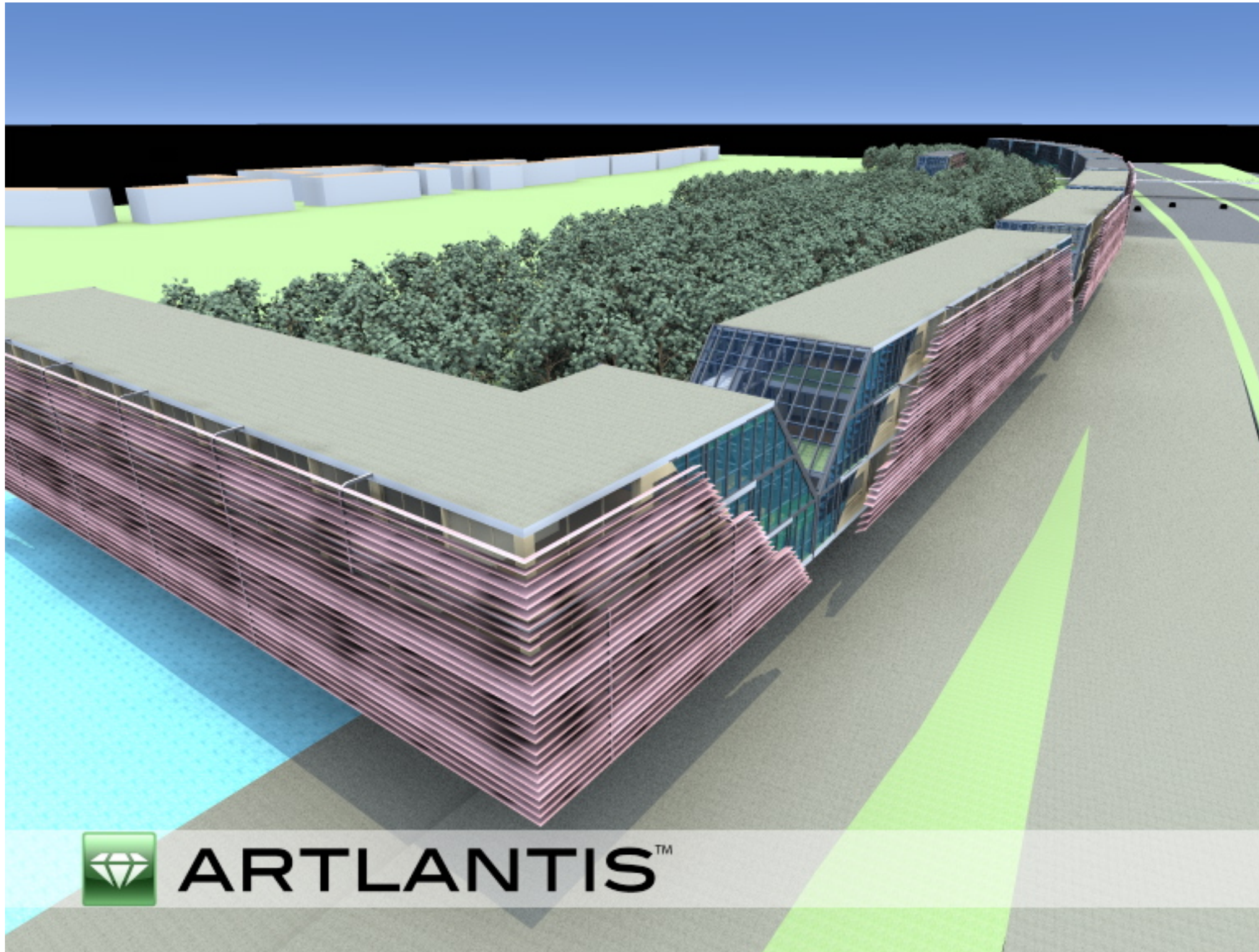
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Eric Bulters

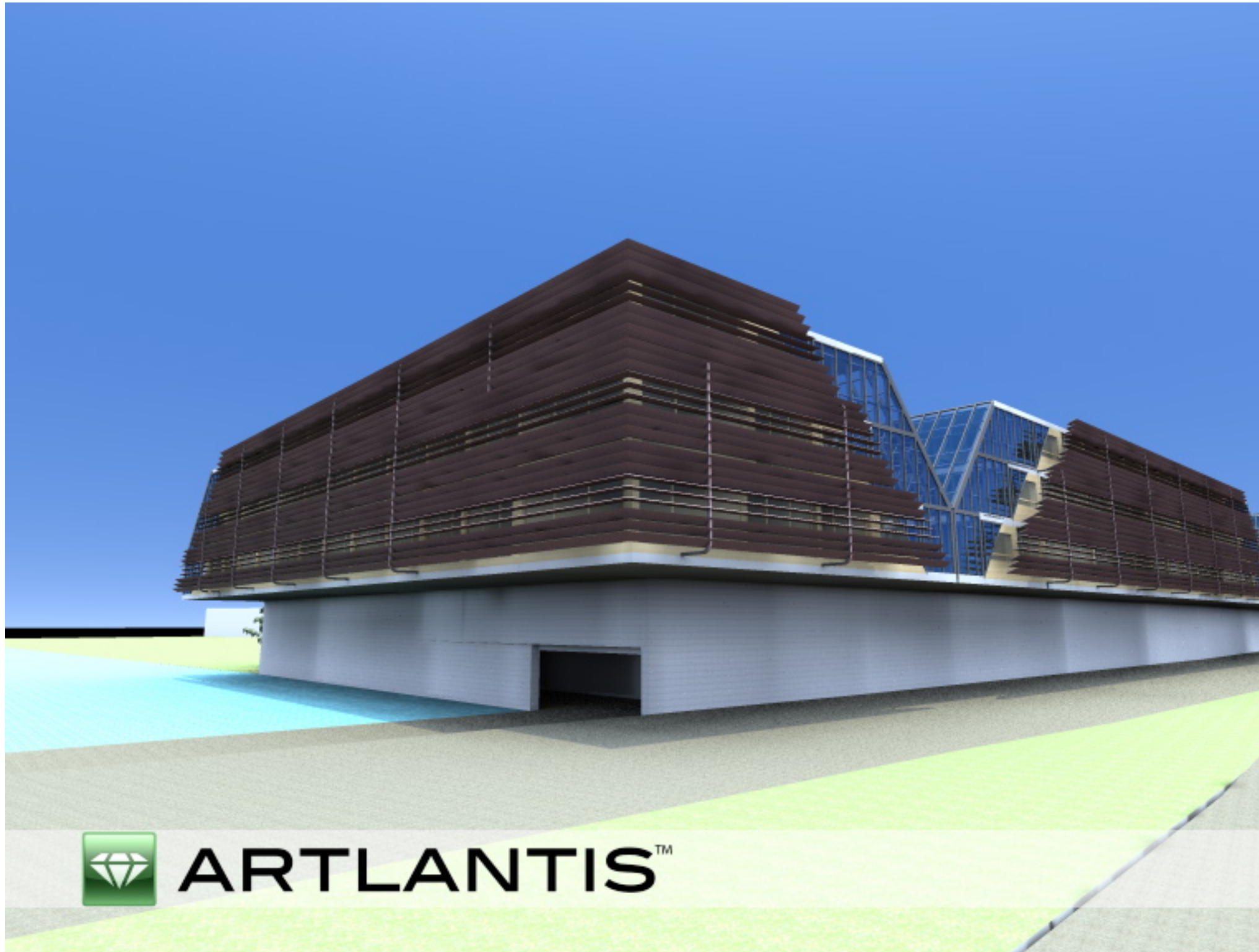
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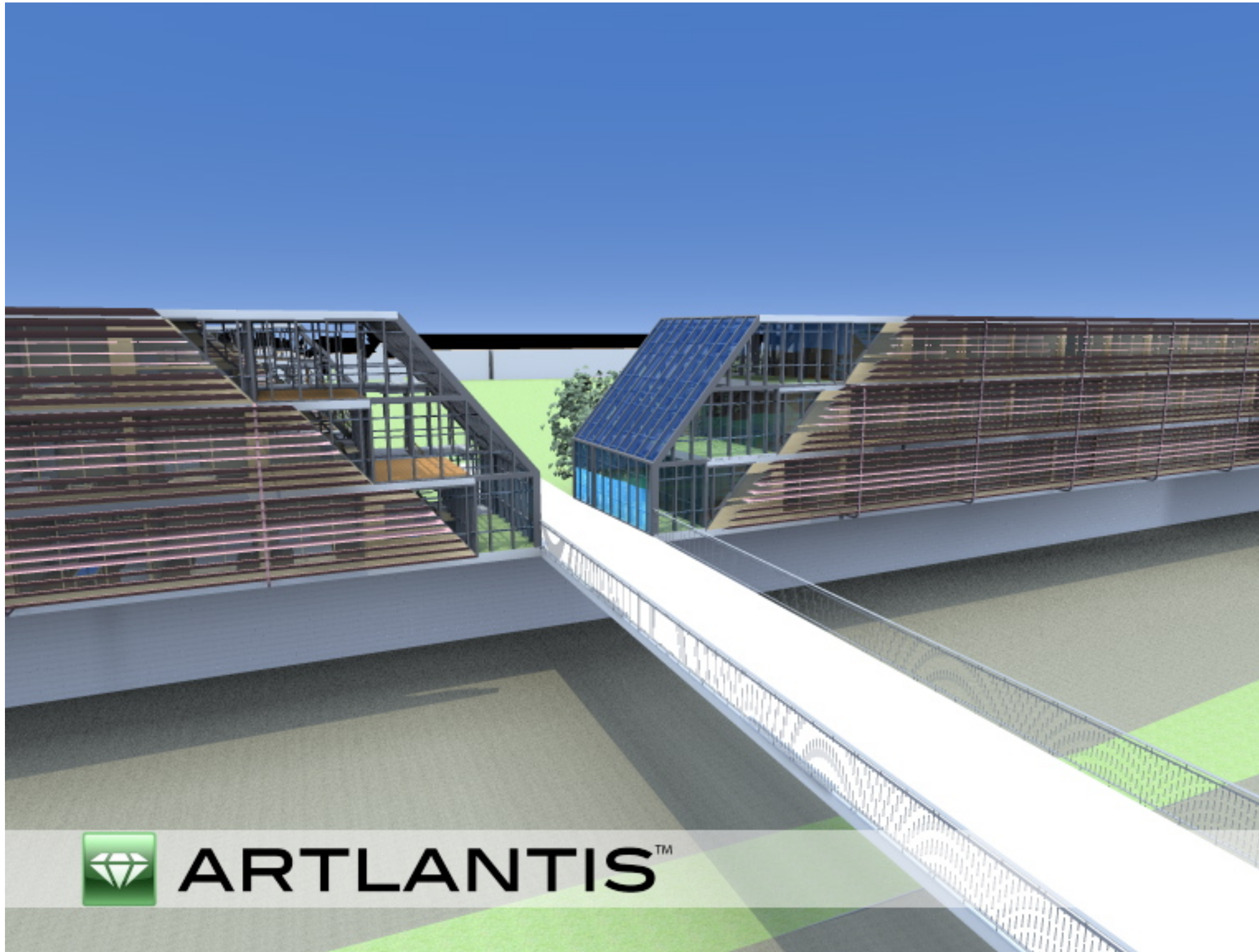
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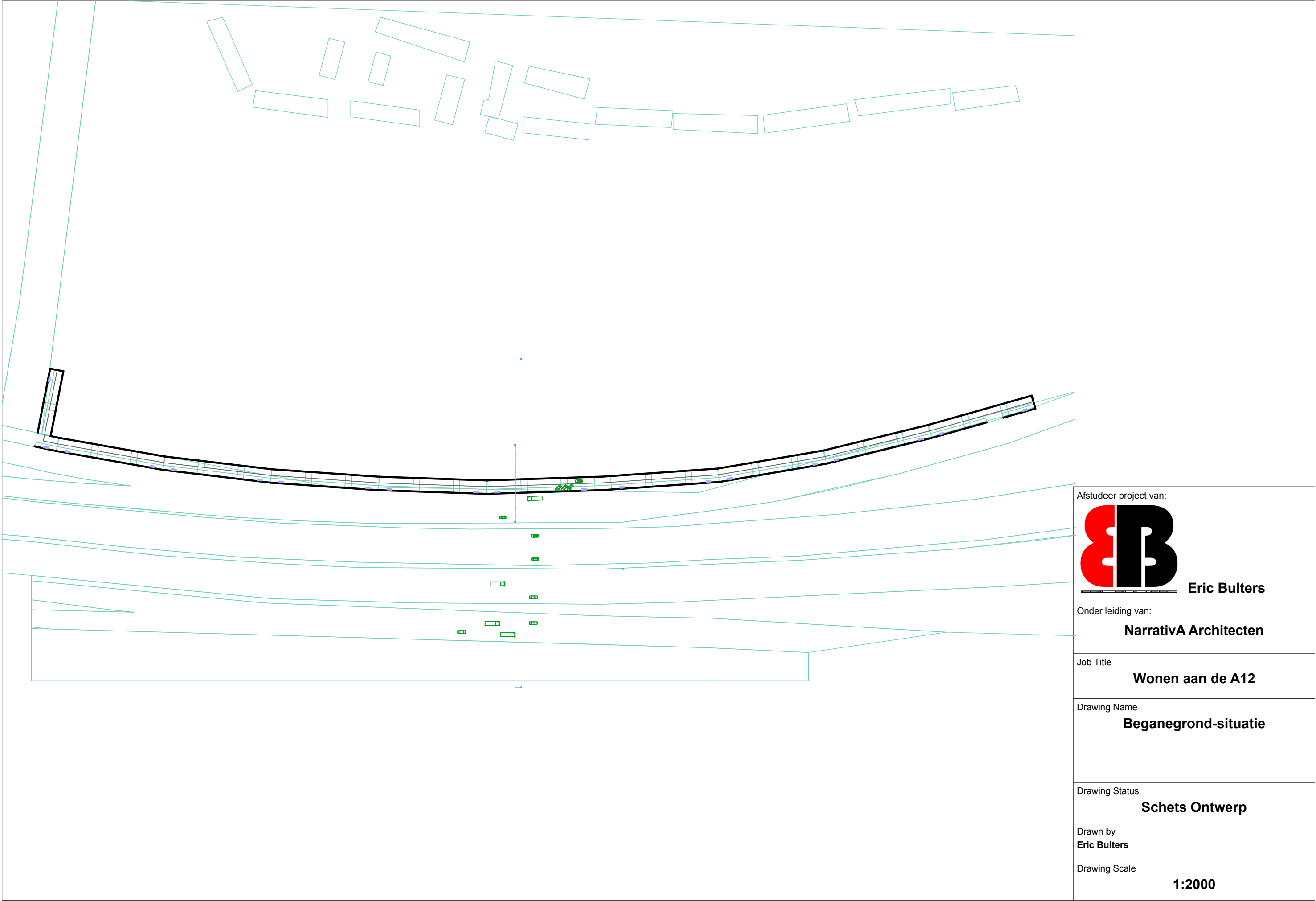
Voorontwerp 2











Afstudeer project van:



Eric Bulters

Onder leiding van:

Narrativa Architecten

Job Title

Wonen aan de A12

Drawing Name

Beganegrond-situatie

Drawing Status

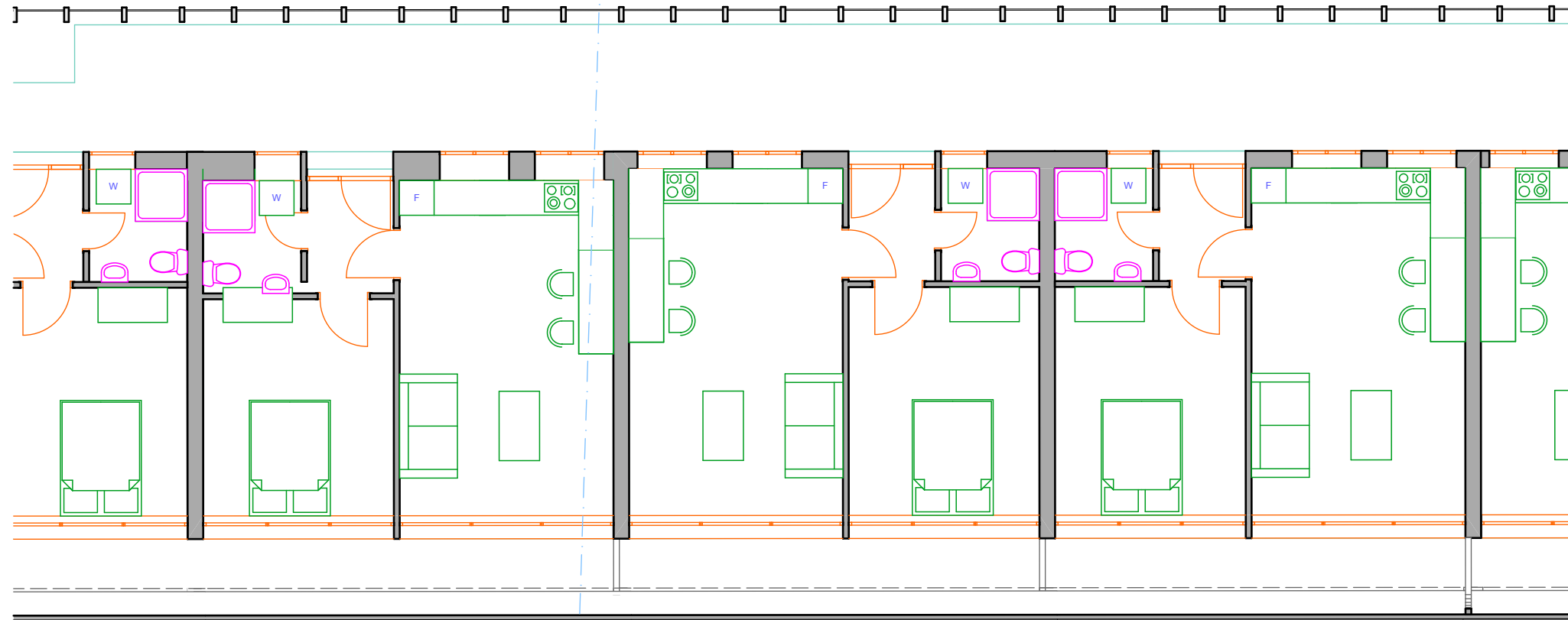
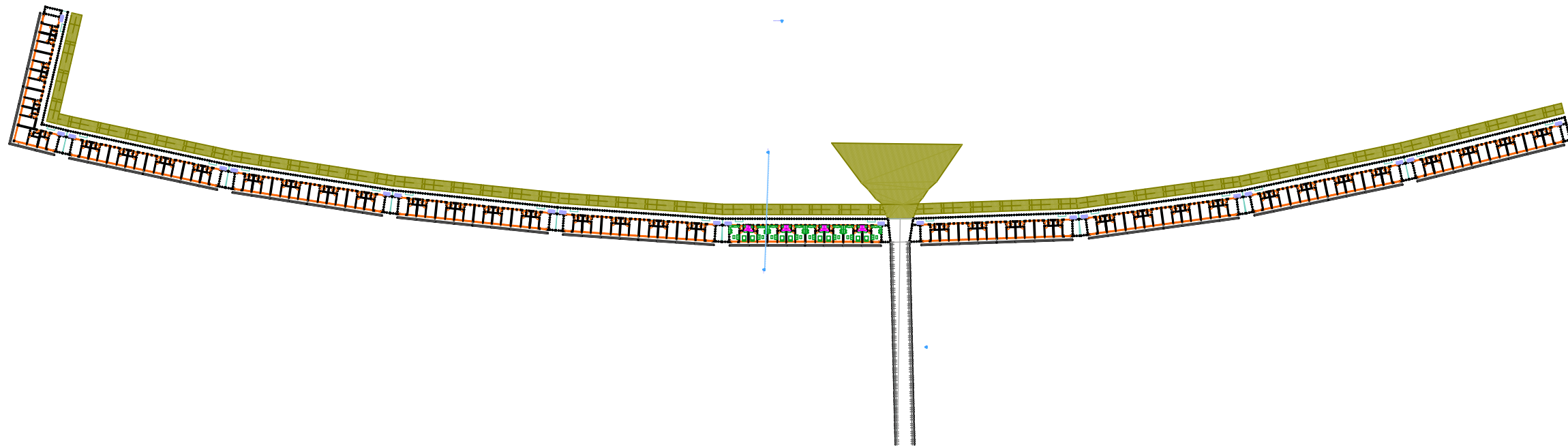
Schets Ontwerp

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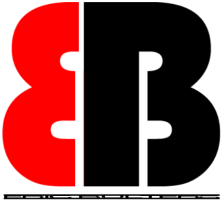
Eric Bulters

Drawing Scale

1:2000



Afstudeer project van:



Eric Bulters

Onder leiding van:

Narrativa Architecten

Job Title

Wonen aan de A12

Drawing Name

Verdieping

Drawing Status

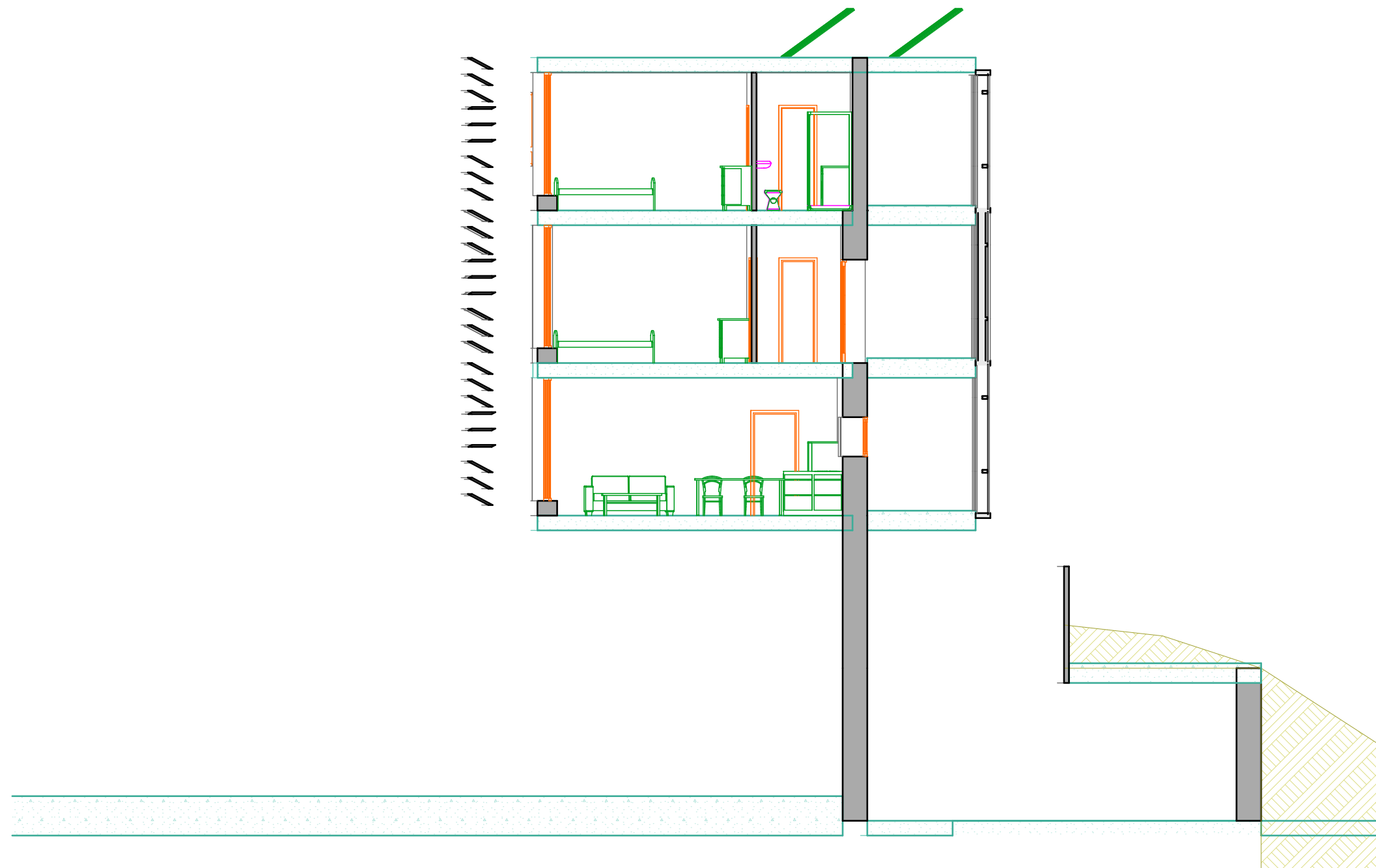
Schets Ontwerp

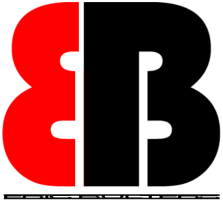
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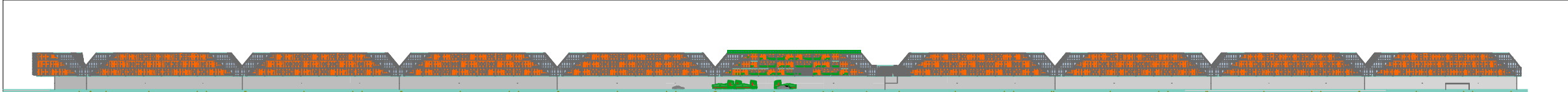
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Drawing Scale

1:2000, 1:100



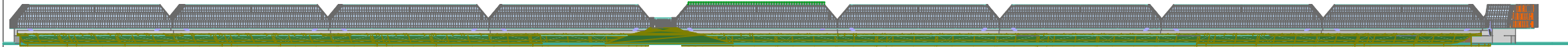
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 Eric Bulters	
Onder leiding van:	
Narrativa Architecten	
Job Title	Wonen aan de A12
Drawing Name	Doorsnede
Drawing Status	Schets Ontwerp
Drawn by	Eric Bulters
Drawing Scale	1:100



3

South Elevation

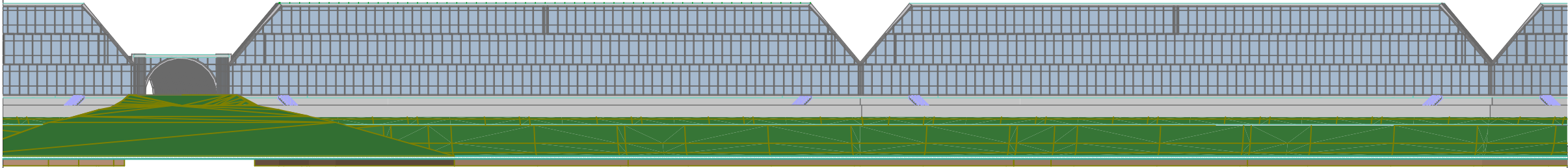
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1

North Elevation

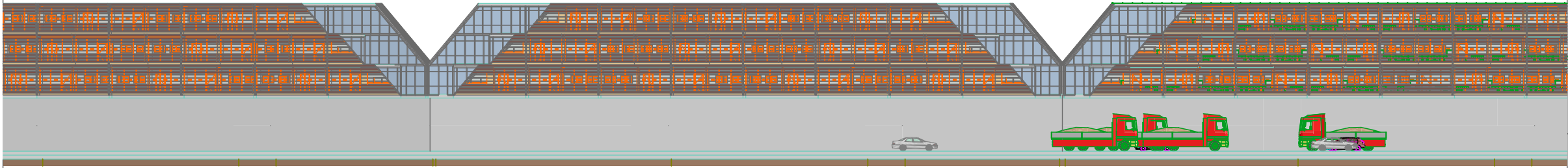
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1

North Elevation

1:500



3

South Elevation

1:500

Afstudeer project van:



Eric Bulters

Onder leiding van:

Narrativa Architecten

Job Title

Wonen aan de A12

Drawing Name

Aanzichten

Drawing Status

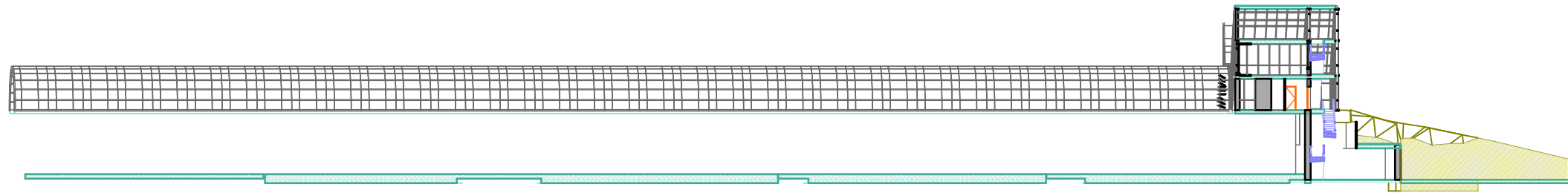
Schets Ontwerp

Drawn by

Eric Bulters

Drawing Scale

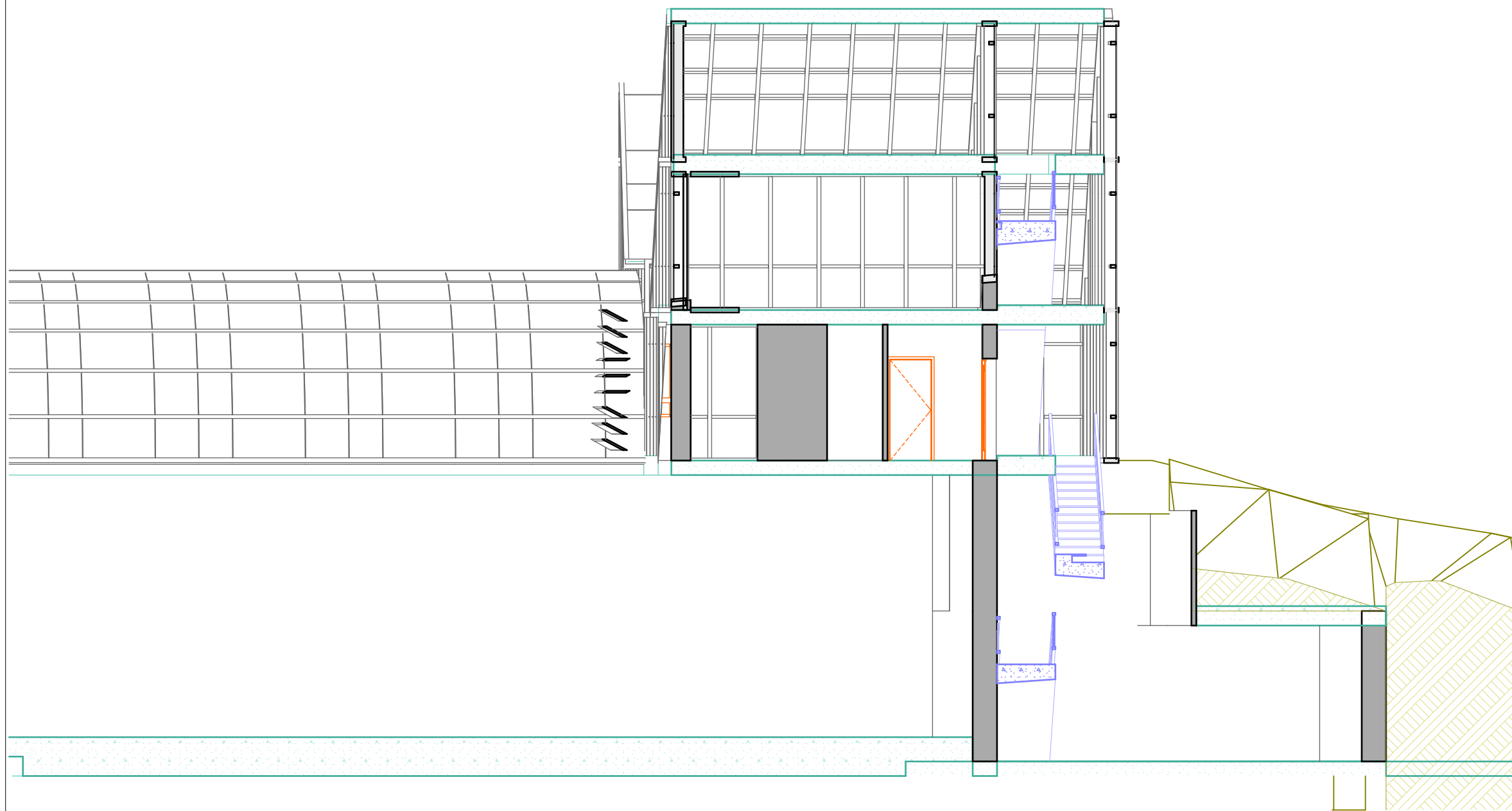
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2

East Elevation

1:500



2

East Elevation

1:100

Afstudeer project van:



Eric Bulters

Onder leiding van:

Narrativa Architecten

Job Title

Wonen aan de A12

Drawing Name

Oost aanzicht

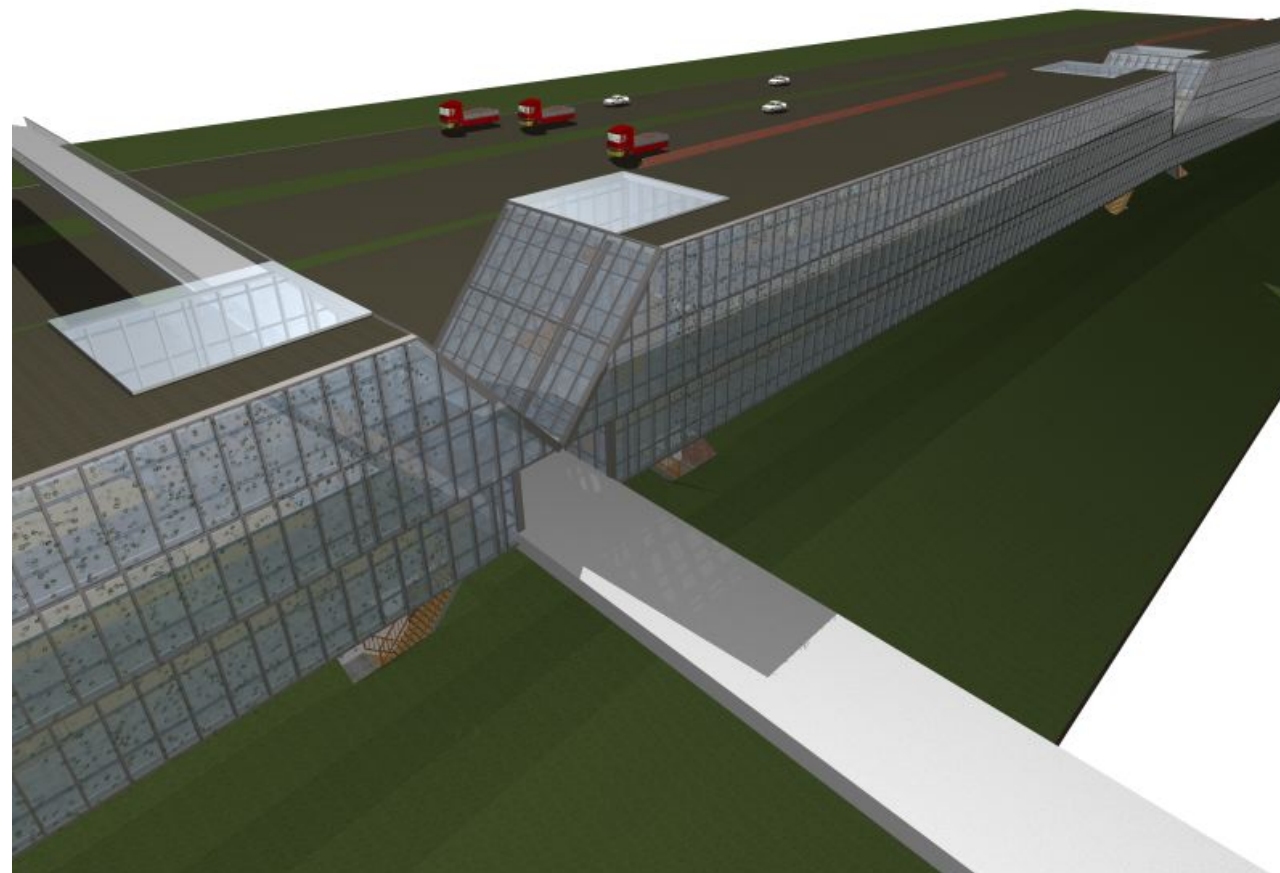
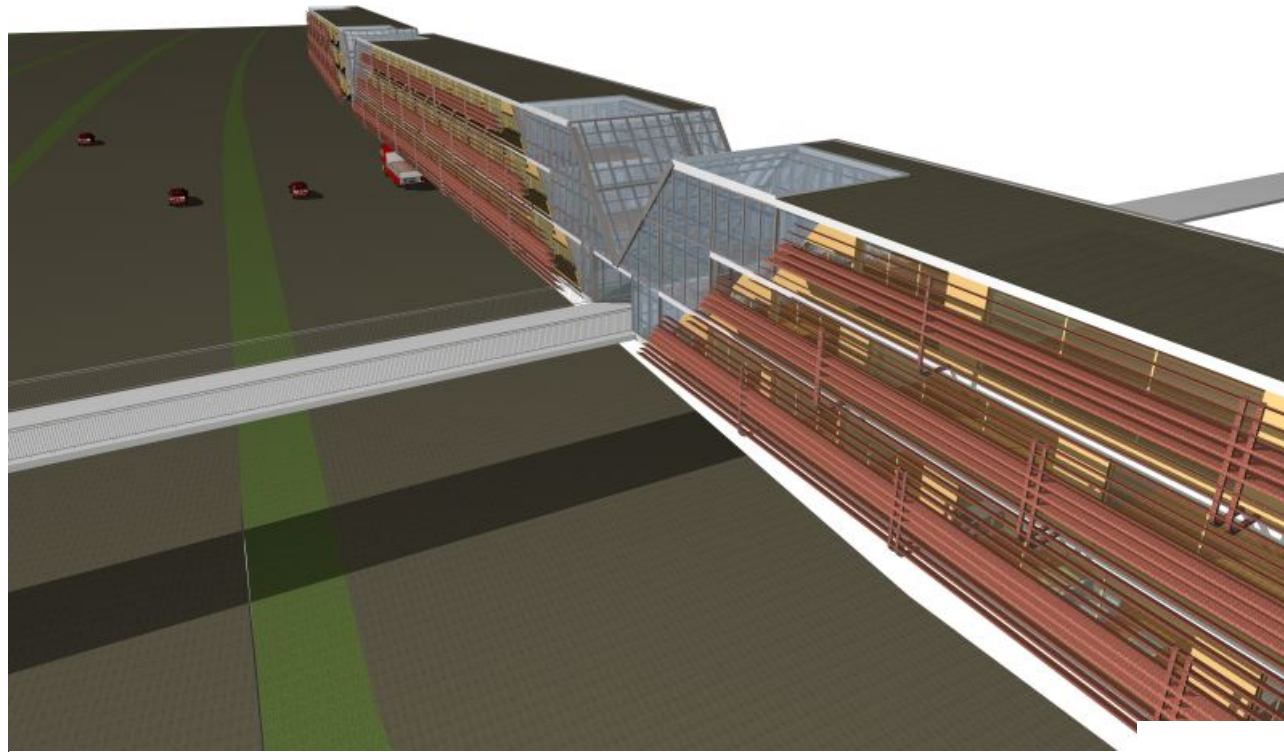
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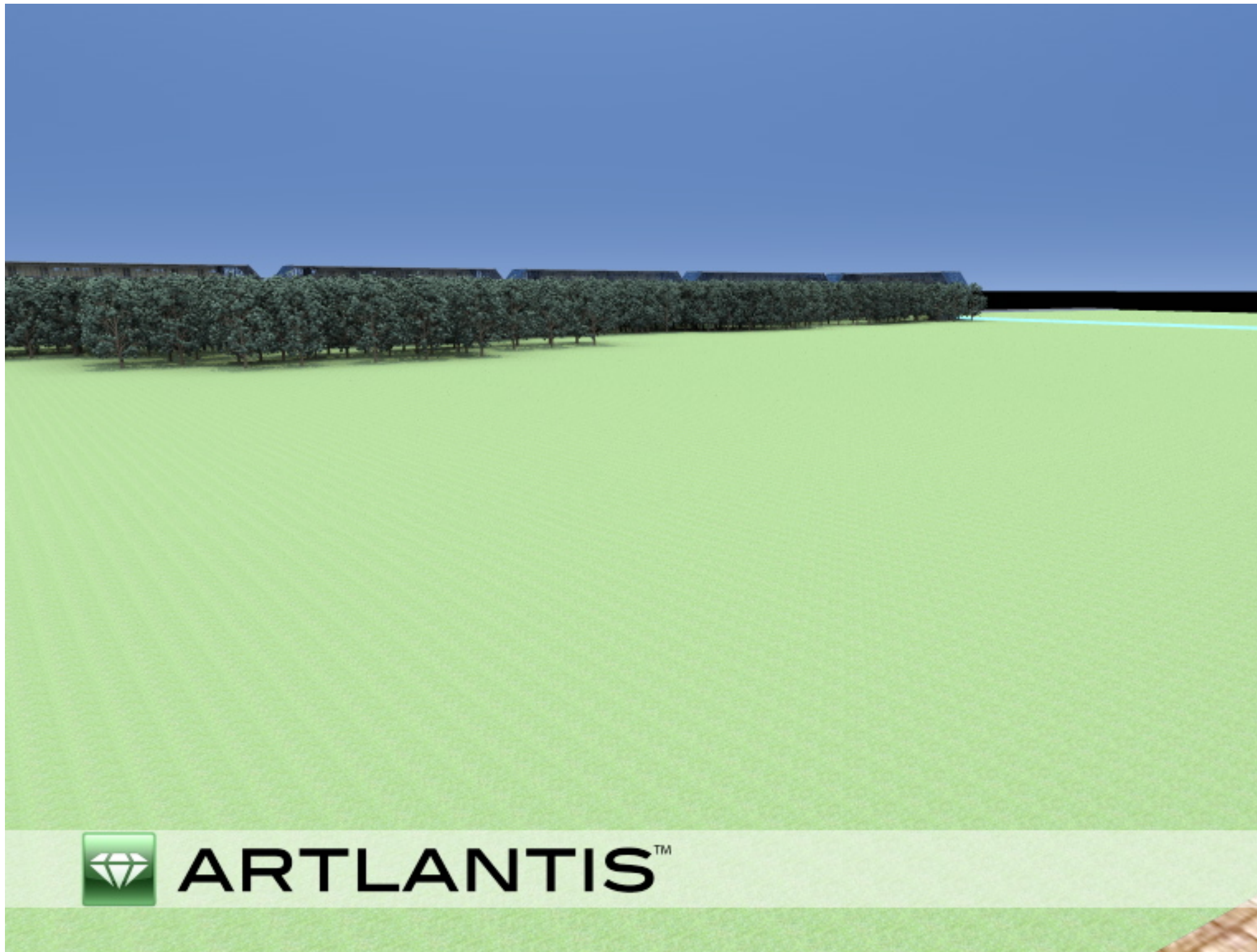
Schets Ontwerp

Drawn by
Eric Bulters

Drawing Scale

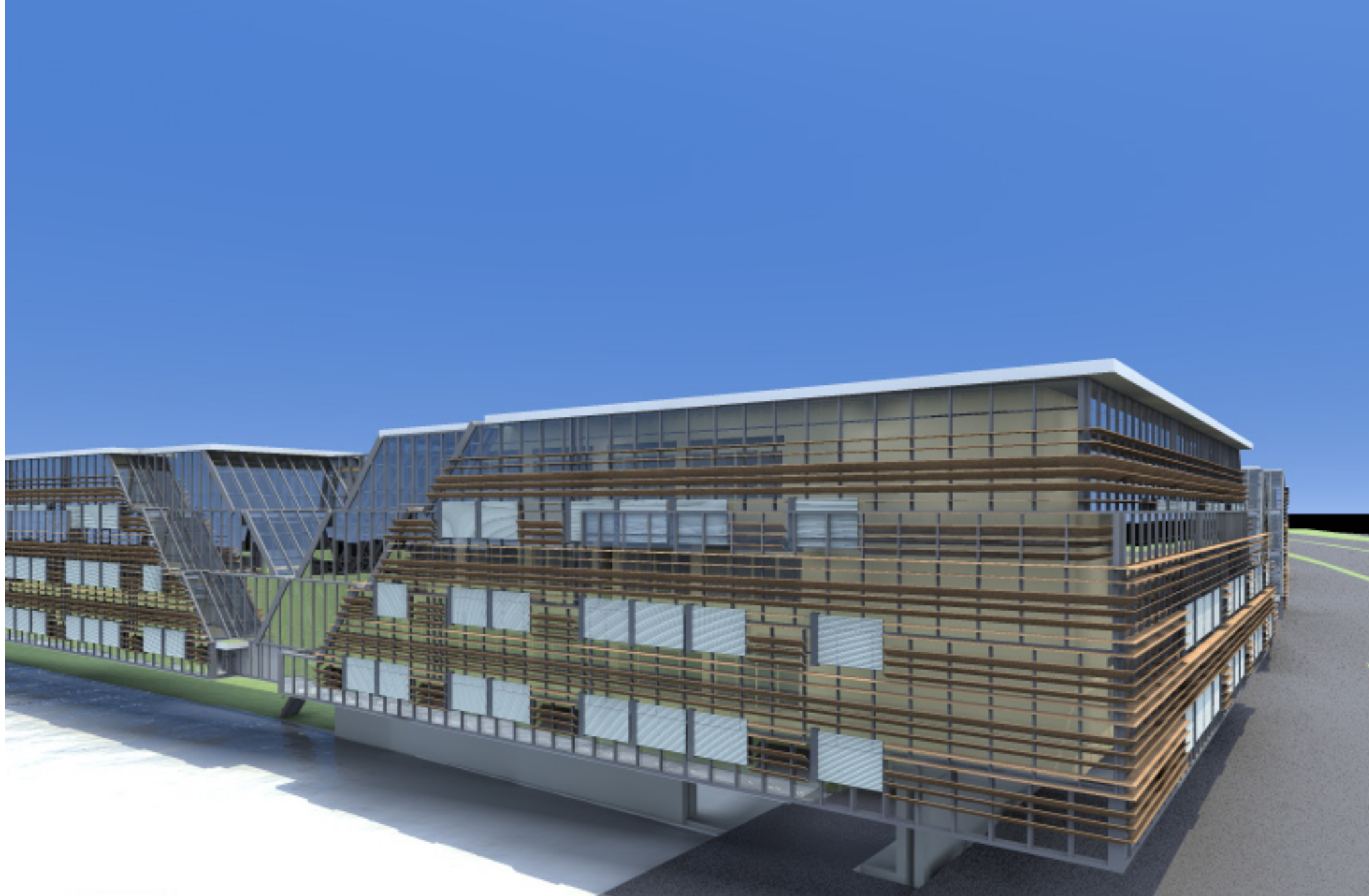
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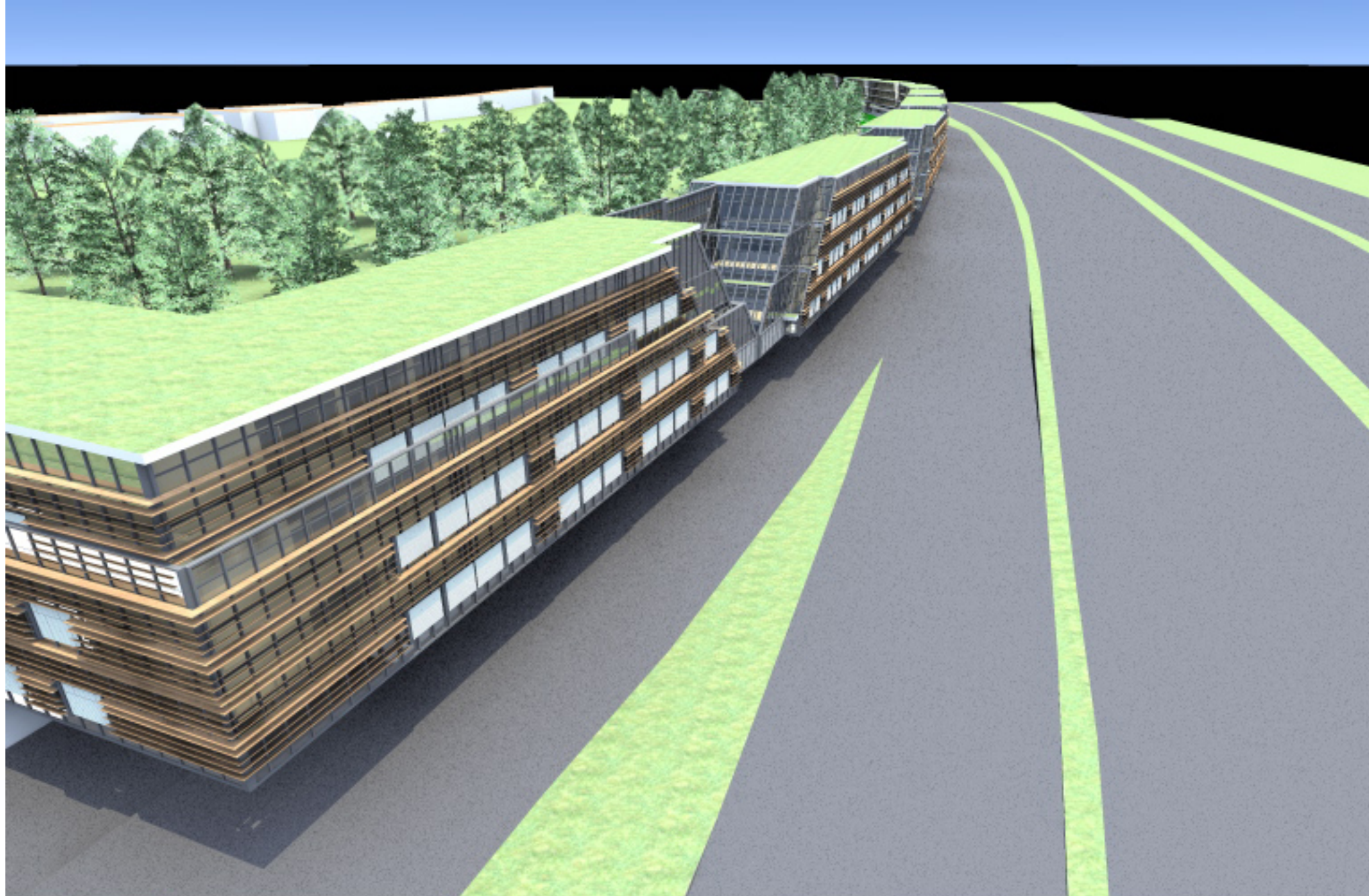


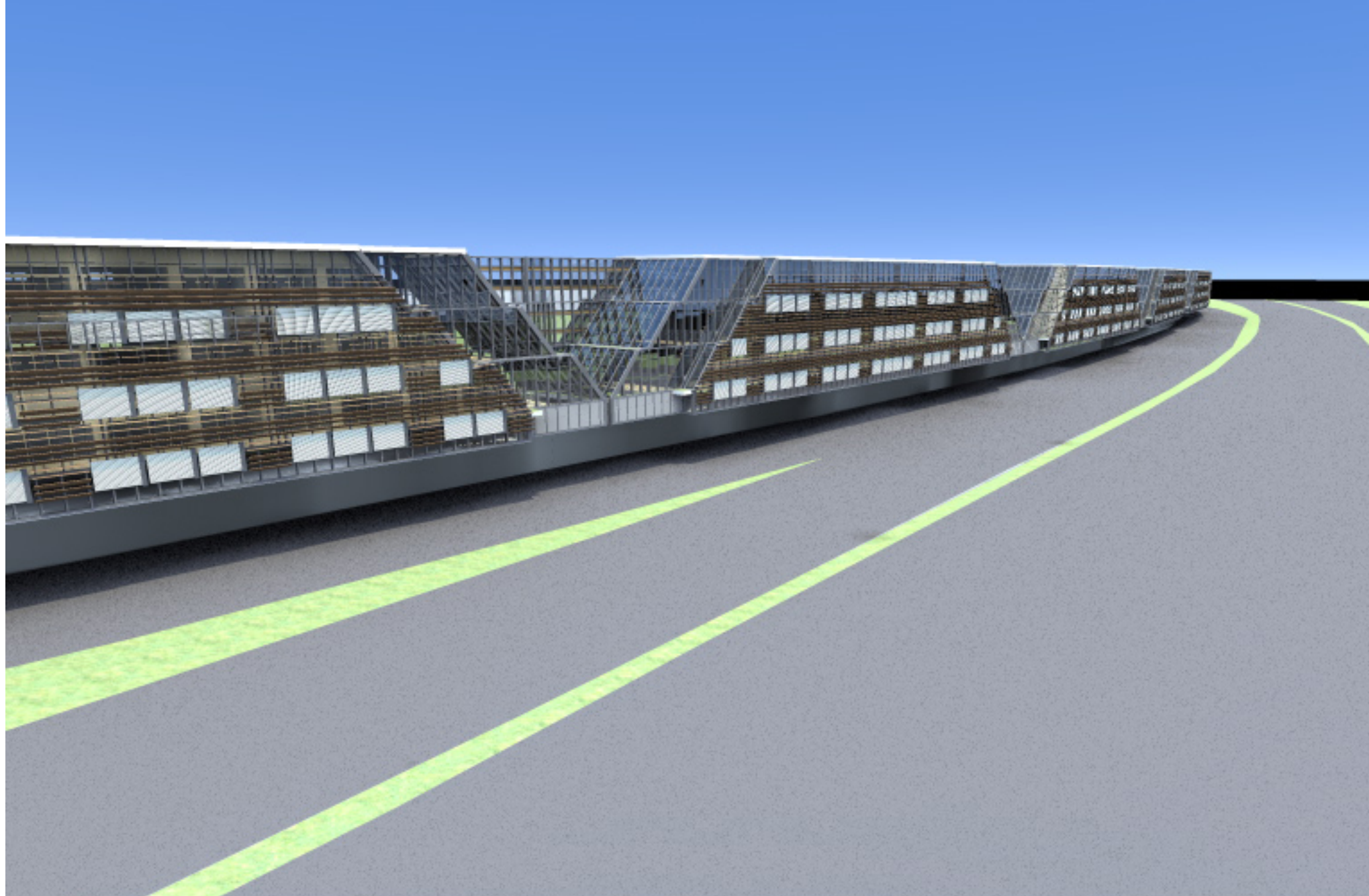


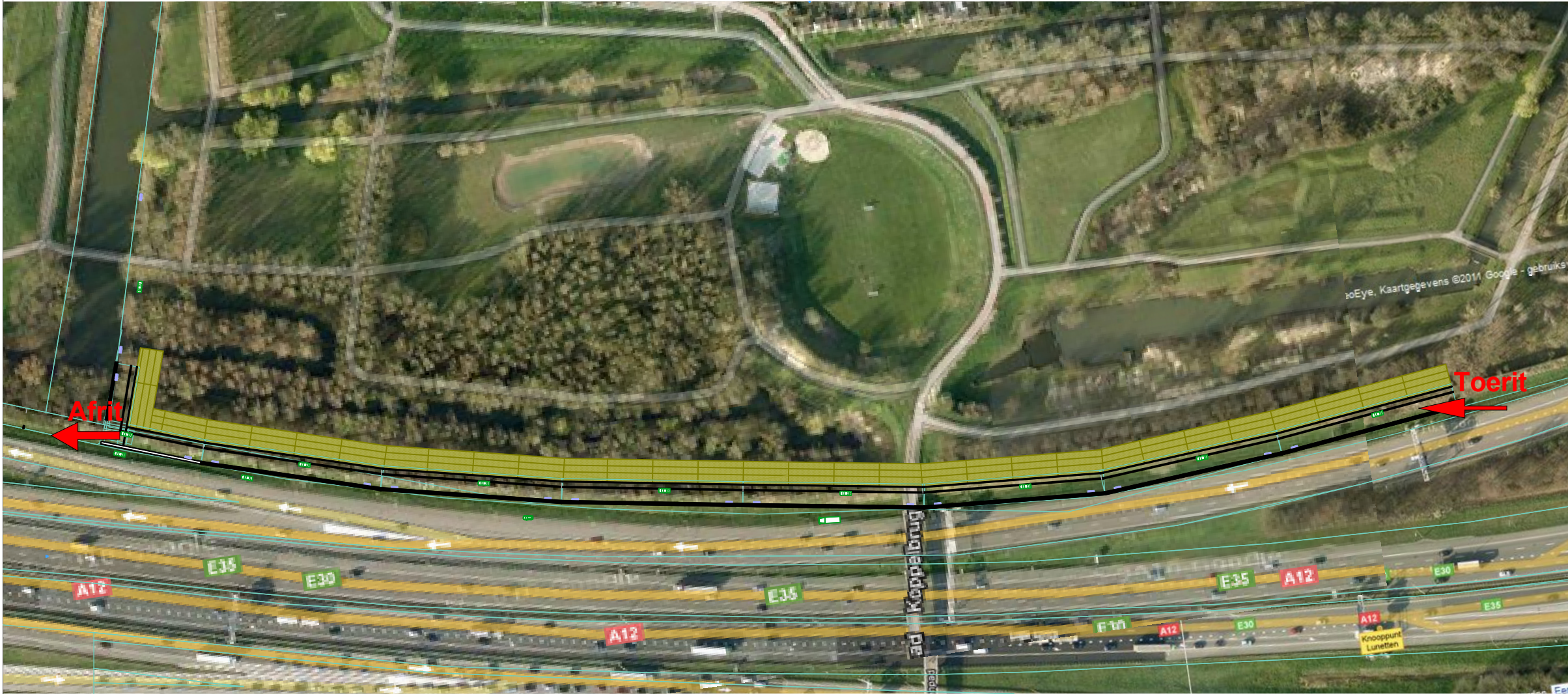
Definitief Ontwerp











Afstudeer project van:



Eric Bulters

Onder leiding van:
Narrativa Architecten

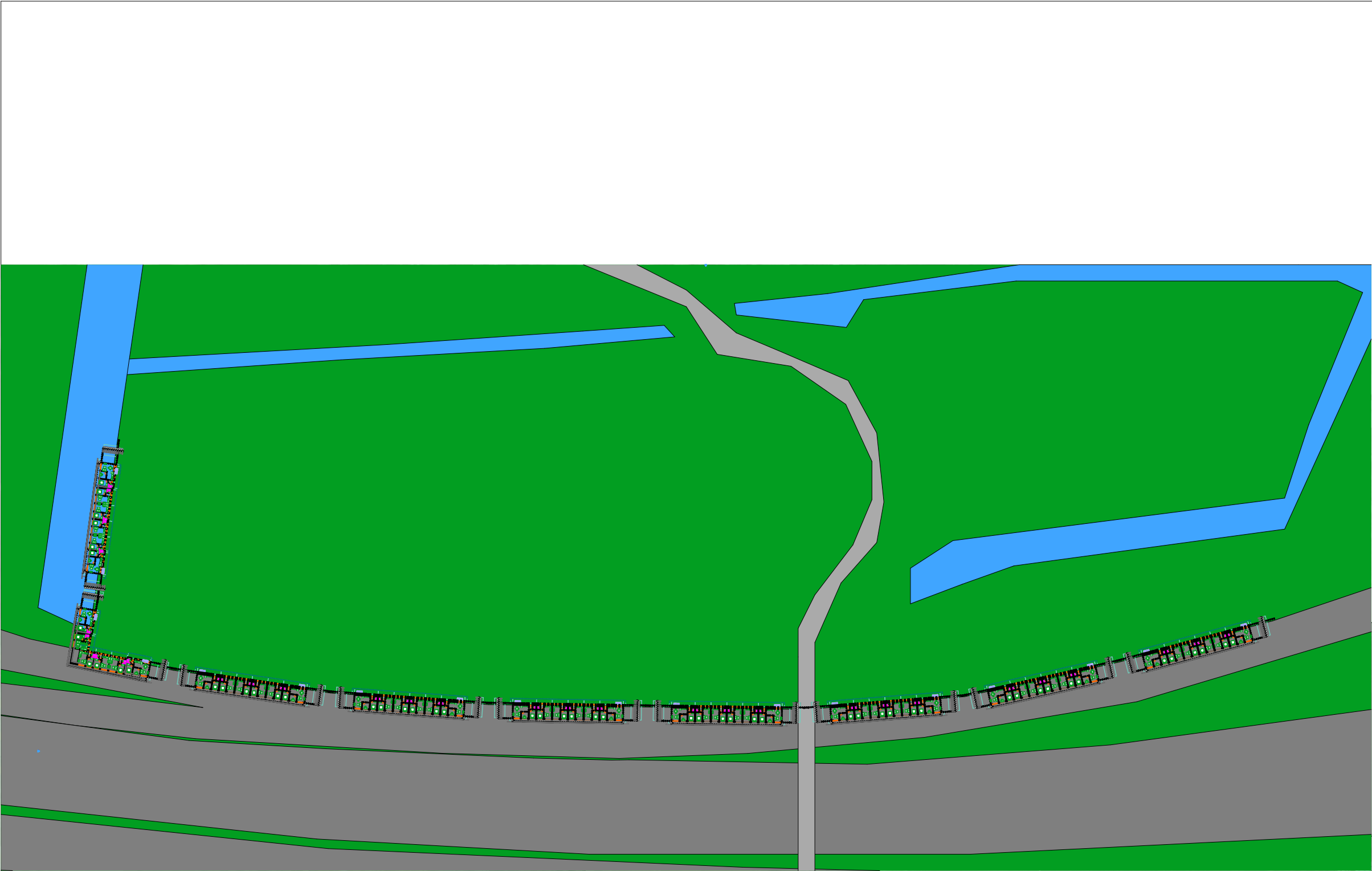
Job Title
Wonen Boven de A12

Drawing Name
Beganegrond

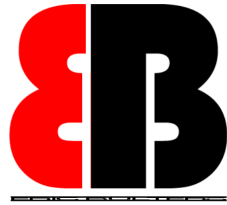
Drawing Status
Definitief Ontwerp

Drawn by
Eric Bulters

Drawing Scale
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Afstudeer project van:



Eric Bulters

Onder leiding van:
Narrativa Architecten

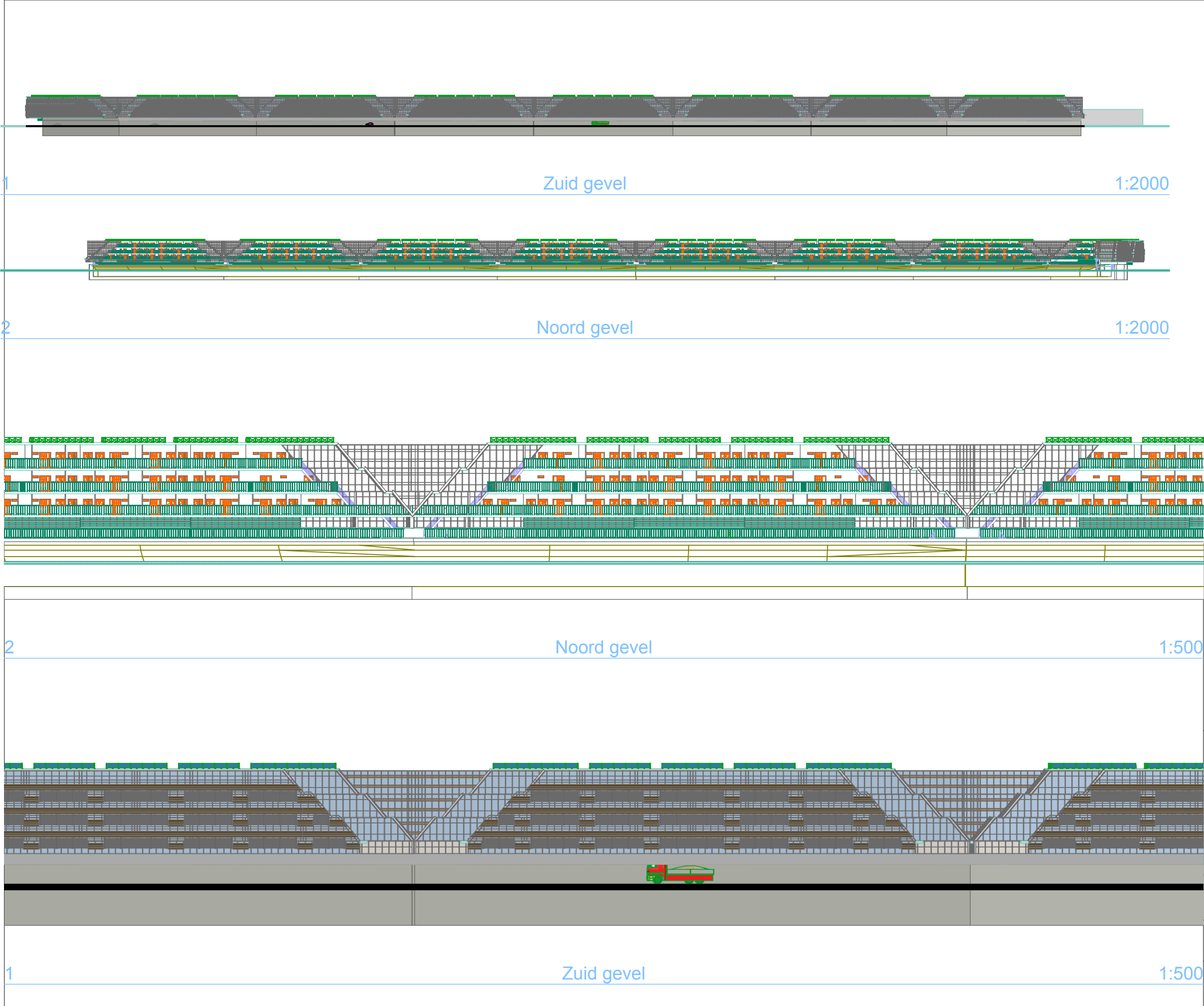
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Wonen Boven de A12

Drawing Name
Verdiepingen

Drawing Status
Definitief Ontwerp

Drawn by
Eric Bulters

Drawing Scale
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Afstudeer project van:

 **Eric Bulters**

Onder leiding van:

Narrativa Architecten

Job Title

Wonen Boven de A12

Drawing Name

Aanzichten

Drawing Status

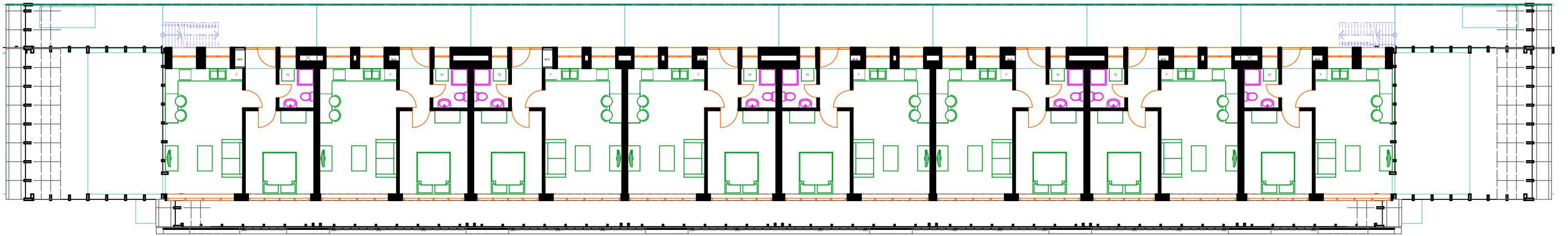
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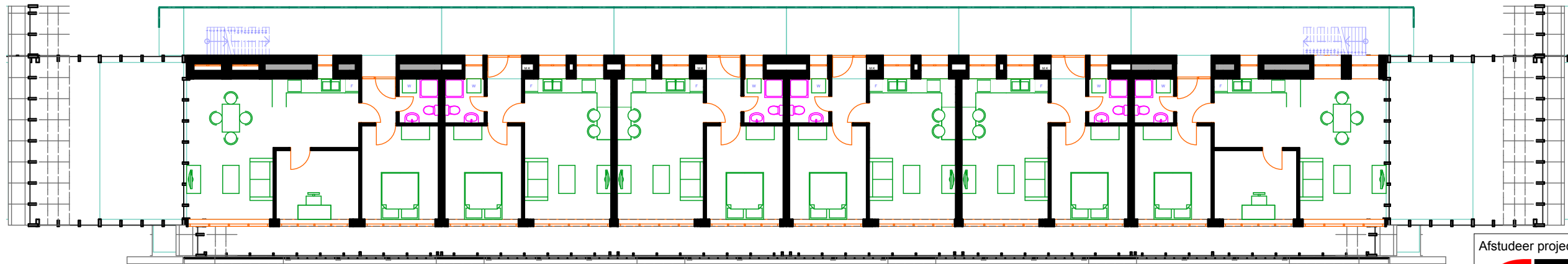
Eric Bulters

Drawing Scale

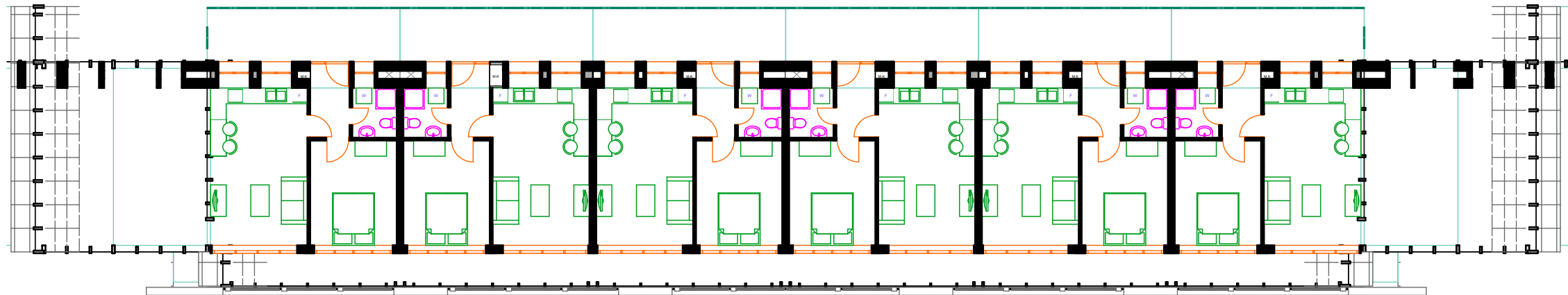
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Begane grond



1e verdieping



2e verdieping

Afstudeer project van:



Eric Bulters

Onder leiding van:

Narrativa Architecten

Job Title

Wonen boven de A12

Drawing Name

Verdiepingen

Drawing Status

Definitief Ontwerp

Drawn by

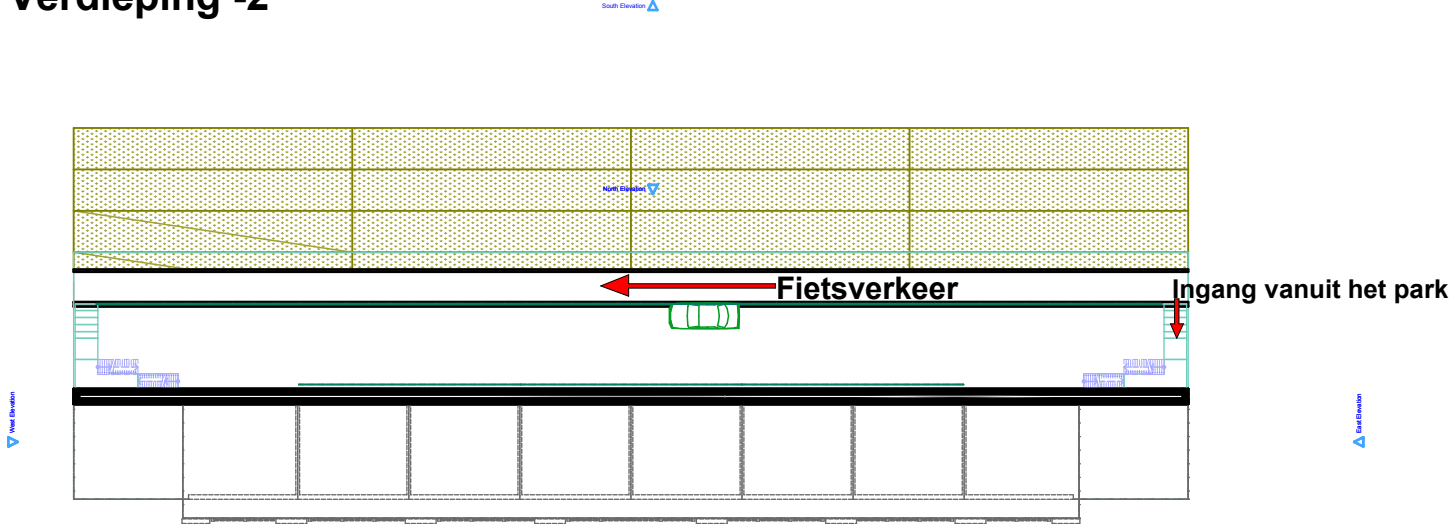
Eric Bulters

Drawing Scale

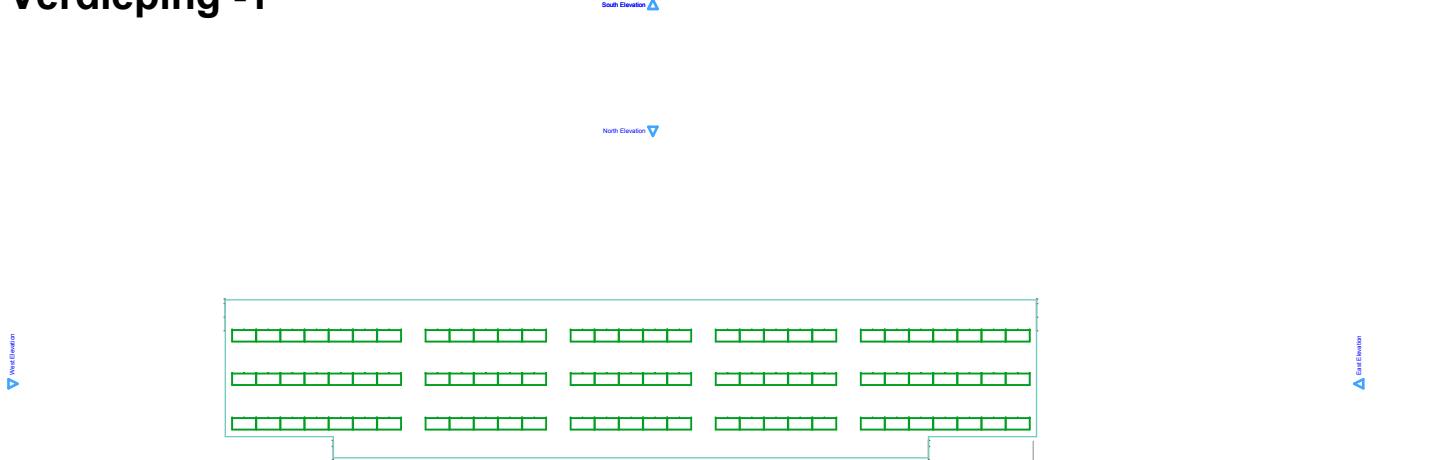
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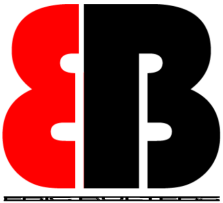


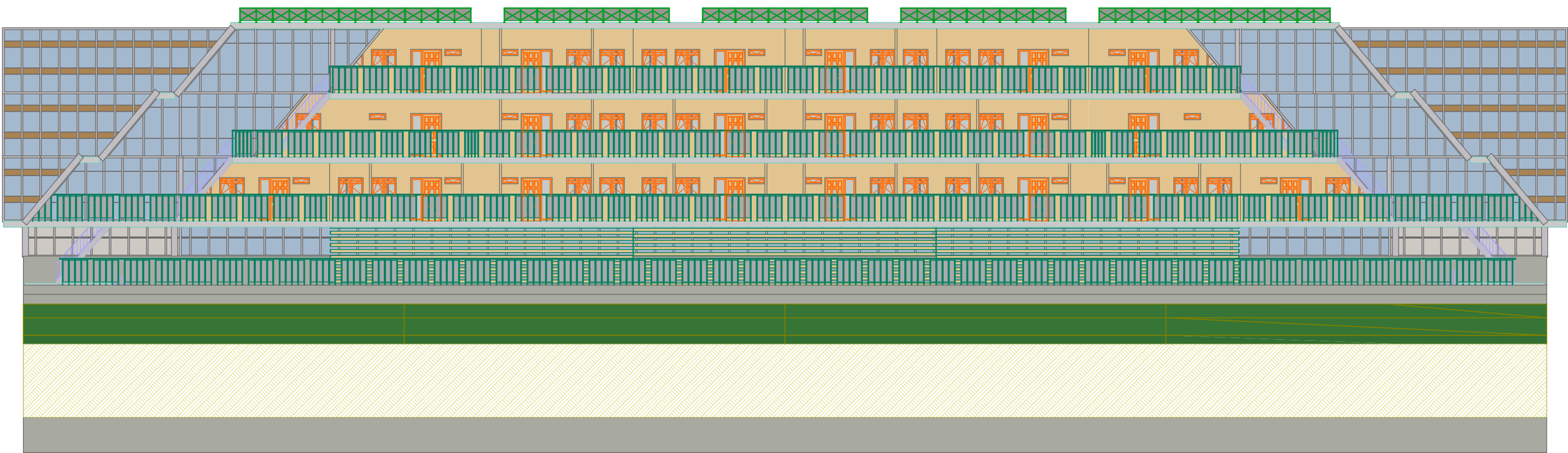
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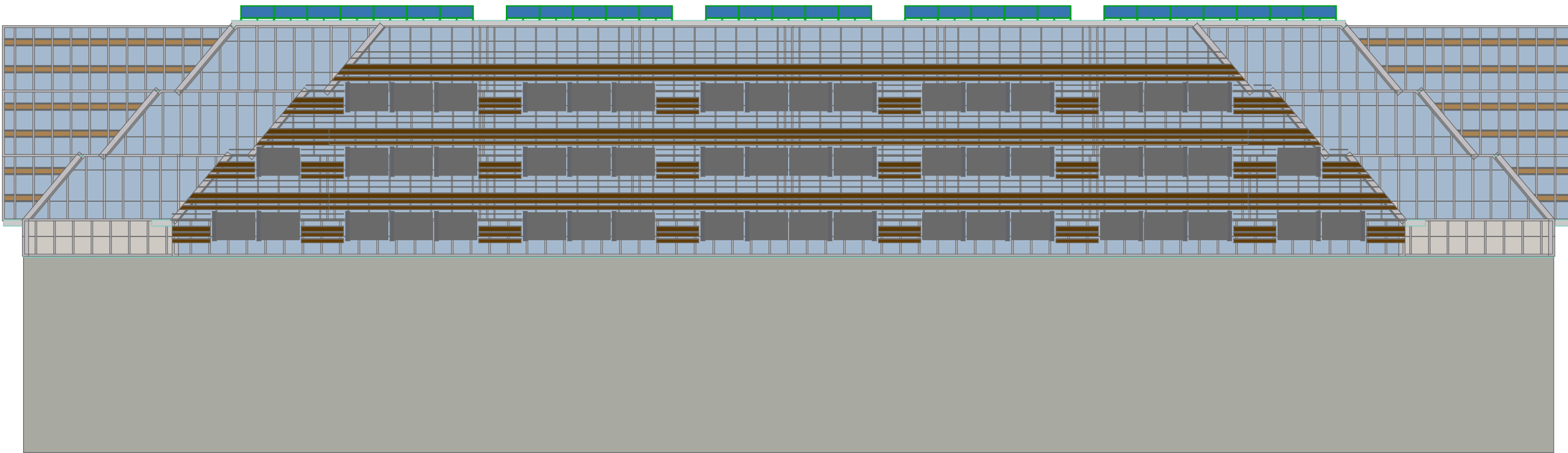
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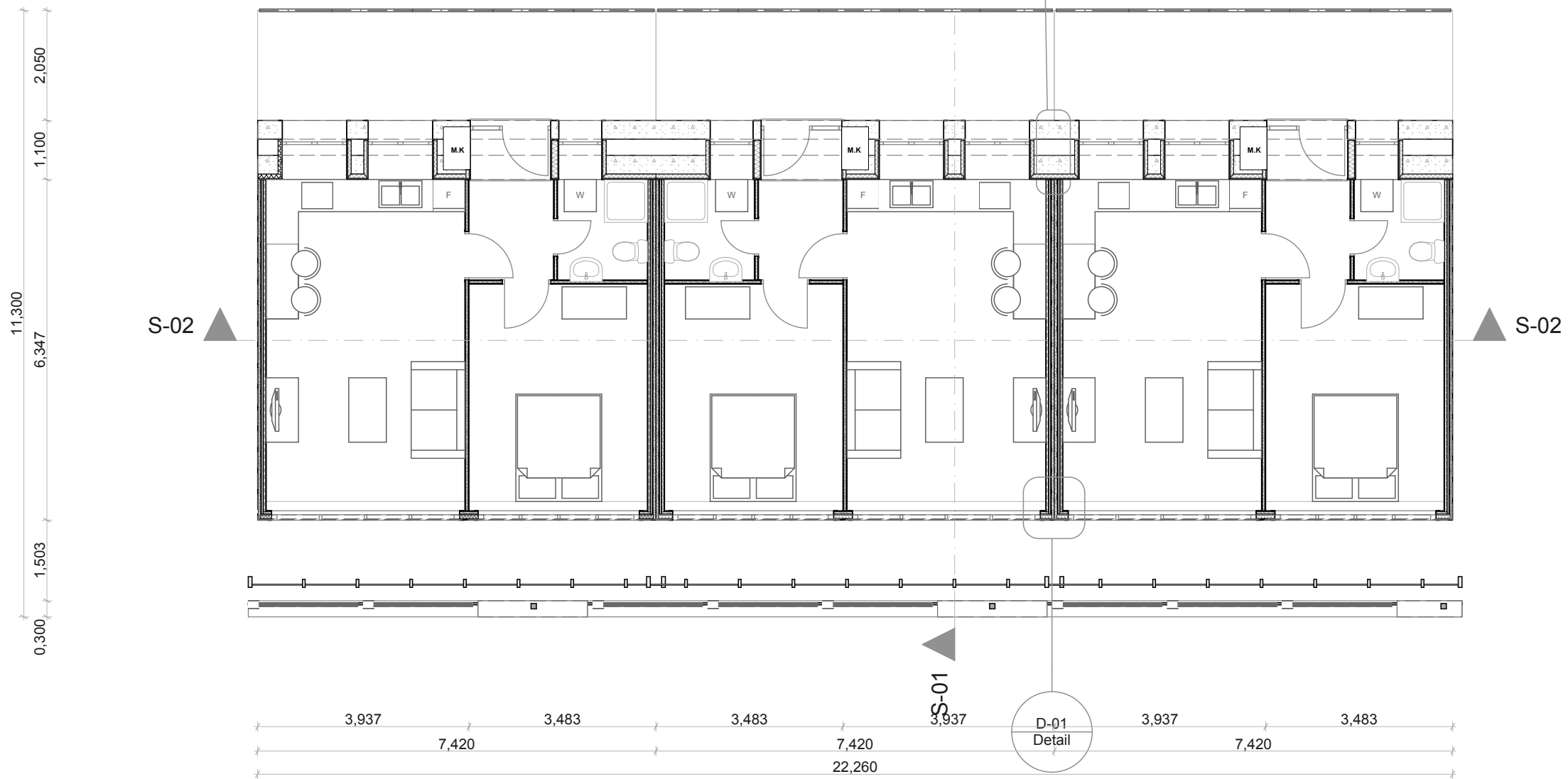
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Onder leiding van:	Narrativa Architecten
Job Title	Wonen boven de A12
Drawing Name	Routing, dak
Drawing Status	Definitief Ontwerp
Drawn by	Eric Bulters
Drawing Scale	1:500



Afstudeer project van:	 Eric Bulters
Onder leiding van:	Narrativa Architecten
Job Title	Wonen boven de A12
Drawing Name	Noordgevel
Drawing Status	Definitief Ontwerp
Drawn by	Eric Bulters
Drawing Scale	1:200



Afstudeer project van:	 Eric Bulters
Onder leiding van:	Narrativa Architecten
Job Title	Wonen boven de A12
Drawing Name	Zuidgevel
Drawing Status	Definitief Ontwerp
Drawn by	Eric Bulters
Drawing Scale	1:200



Afstudeer project van:

EB Eric Bulters

Onder leiding van:

Narrativa Architecten

Job Title

Wonen boven de A12

Drawing Name

Verdiepingen

Drawing Status

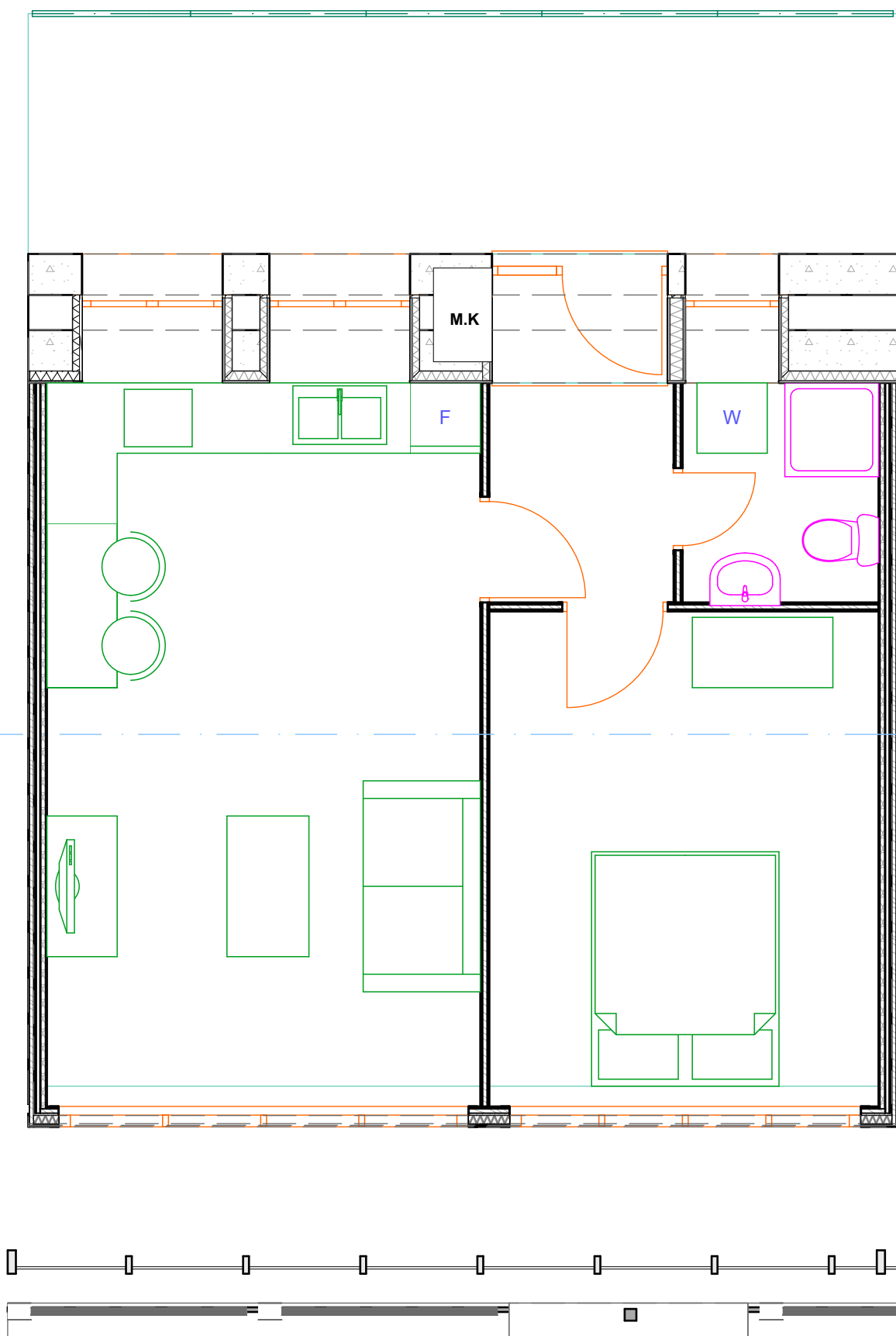
Definitief Ontwerp

Drawn by

Eric Bulters

Drawing Scale

1:100



Afstudeer project van:



Eric Bulters

Onder leiding van:

Narrativa Architecten

Job Title

Wonen boven de A12

Drawing Name

Appartement

Drawing Status

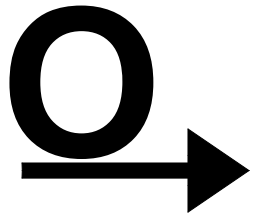
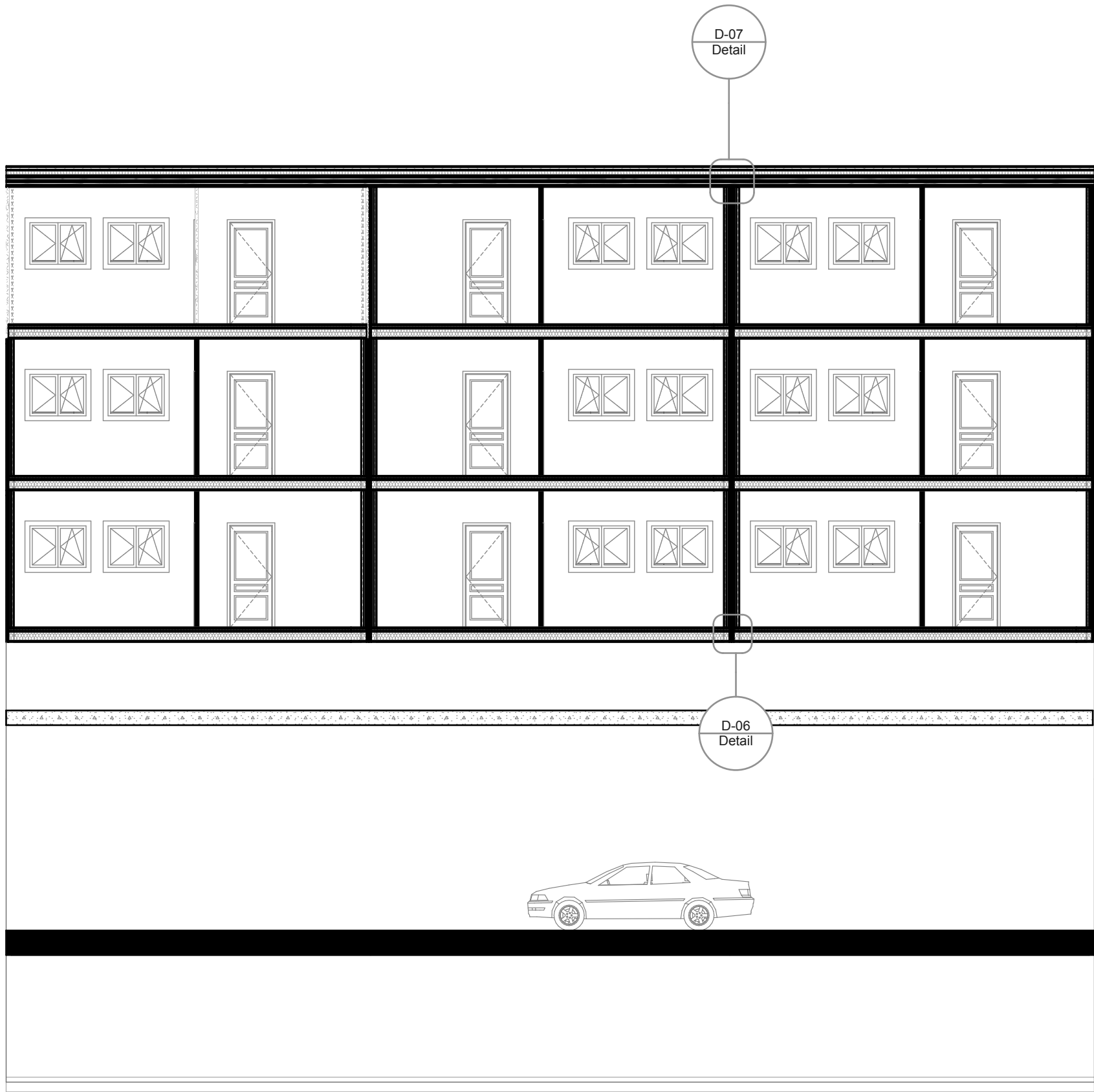
Definitief Ontwerp

Drawn by

Eric Bulters

Drawing Scale

1:50



Afstudeer project van:



Eric Bulters

Onder leiding van:

Narrativa Architecten

Job Title

Wonen boven de A12

Drawing Name

Langssnede

Drawing Status

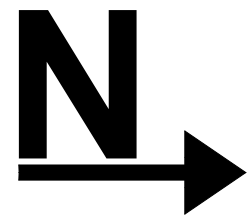
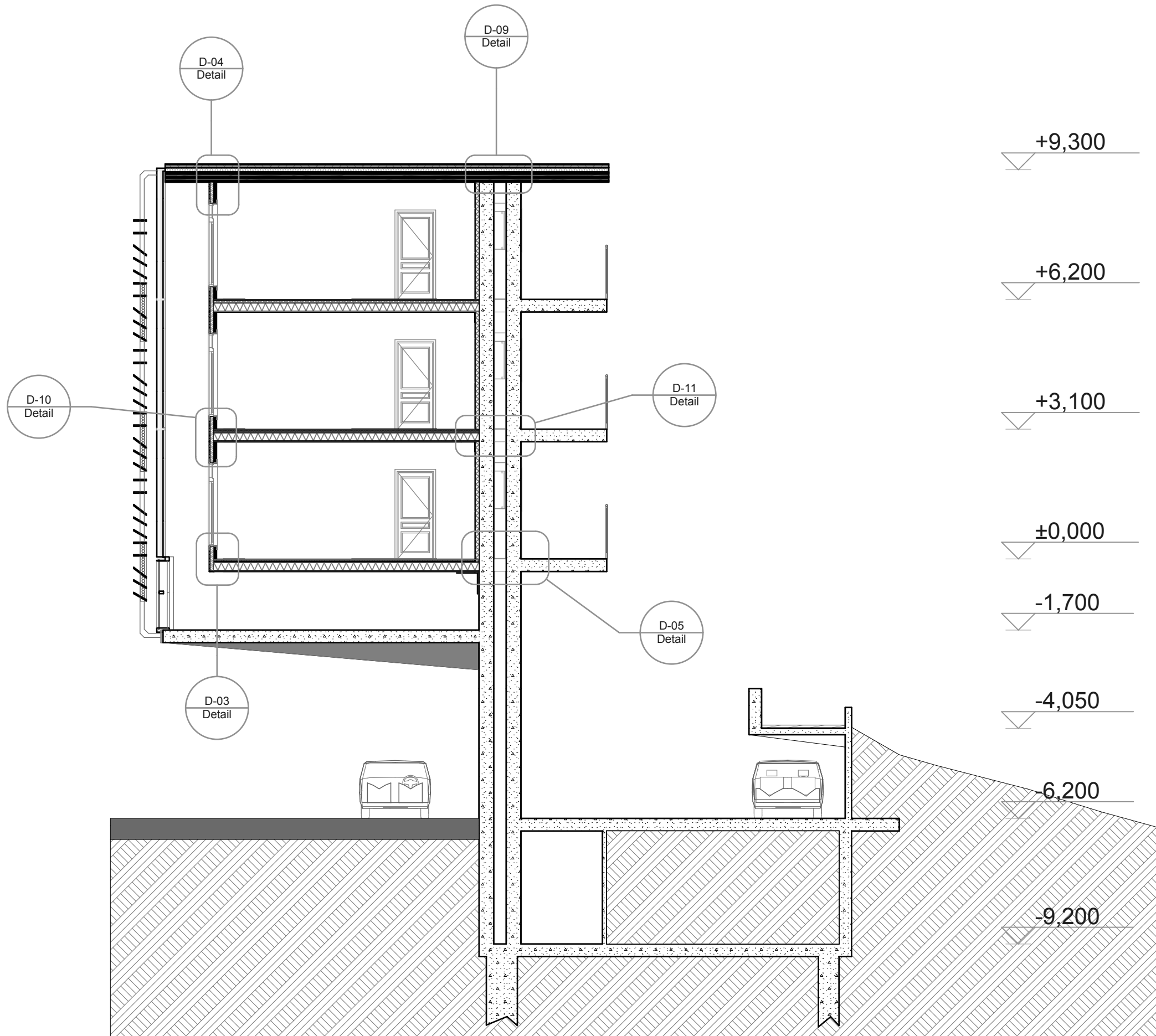
Definitief Ontwerp

Drawn by

Eric Bulters

Drawing Scale

1:100



Afstudeer project van:
 **Eric Bulters**

Onder leiding van:
Narrativa Architecten

Job Title
Wonen boven de A12

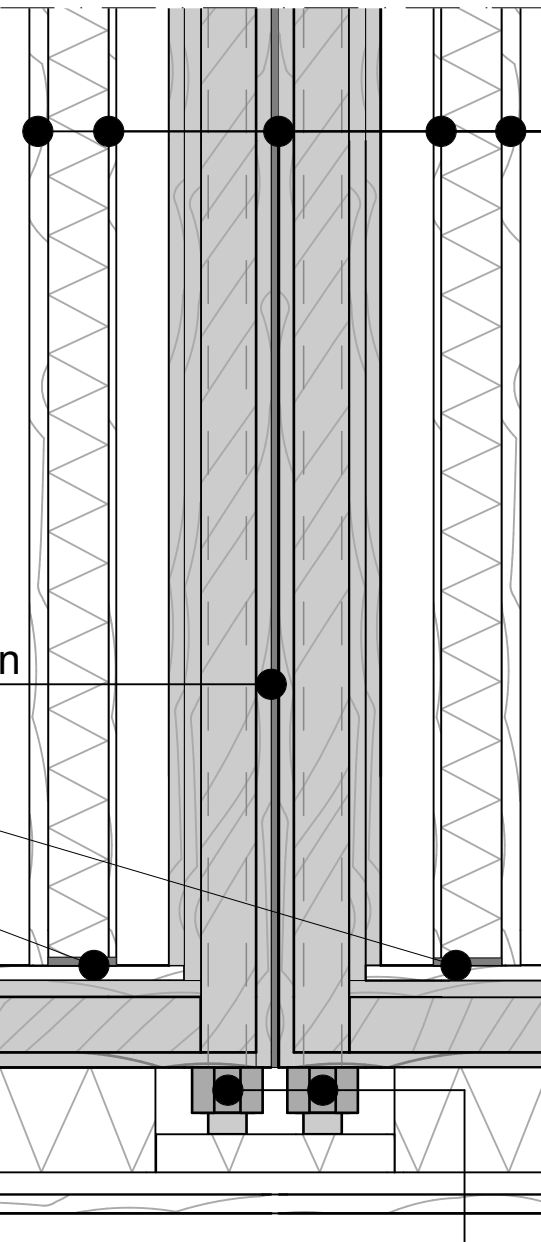
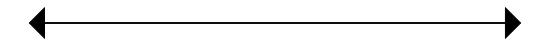
Drawing Name
Dwarssnede

Drawing Status
Definitief Ontwerp

Drawn by
Eric Bulters

Drawing Scale
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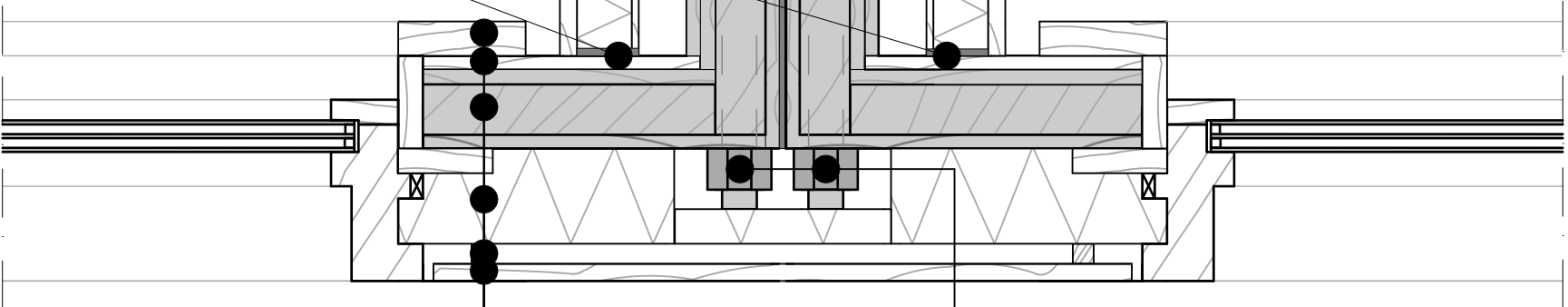
Rw 60dB volgens opgave fabrikant



Afwerklaag	13mm
Luchtpouw met daarin	80mm
Vrijstaande metalen regelwerk	50mm
Mineralewol	40mm
LenoTec Massiefwand	135mm
Luchtpouw met daarin	80mm
Vrijstaande metalen regelwerk	50mm
Mineralewol	40mm
Afwerklaag	13mm

Rubbelaag voor geluidswering tussen woningen

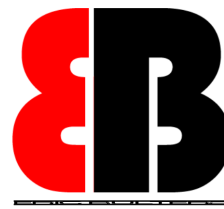
Afdichting



Stelmoeren voor de spankabels

Kozijn plank	25mm
Afwerklaag	13mm
LenoTec Masief	67mm
Mineralewol	80mm
Regelwerk	15mm
Houten gevelbekleding	13mm

Afstudeer project van:



Eric Bulters

Onder leiding van:
Narrativa Architecten

Job Title
Wonen boven de A12

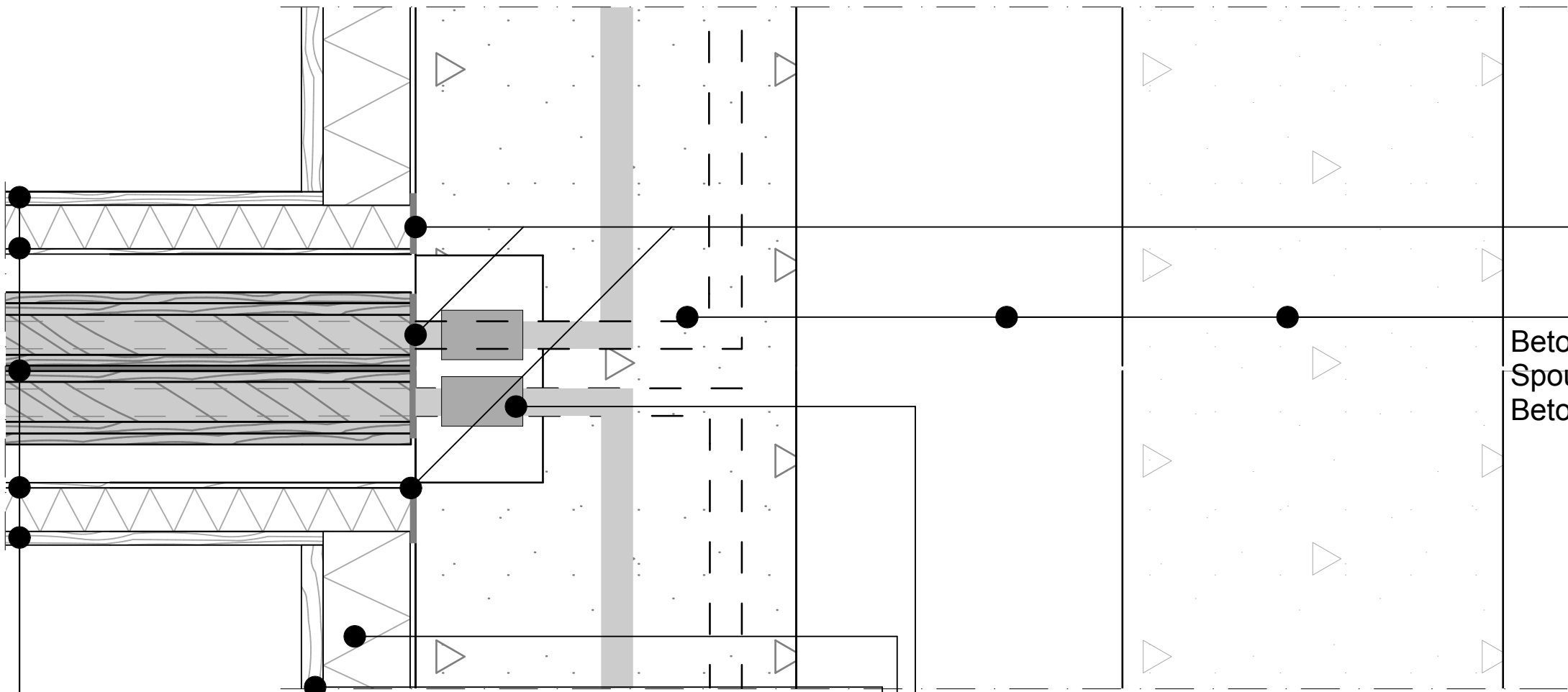
Drawing Name
Detail 1

Drawing Status
Definitief Ontwerp

Drawn by
Eric Bulters

Drawing Scale
1:5

Rw 60dB volgens opgave fabrikant



Knelband

Betonnen muur 350mm
Spouw met plek voor leidingen 300mm
Betonnen muur 350mm

Afwerklaag 13mm
Luchtpouw met daarin 80mm
Vrijstaande metalen regelwerk 50mm
Mineralewol 40mm
LenoTec Massiefwand 135mm
Gescheiden door rubberlaag
Luchtpouw met daarin 80mm
Vrijstaande metalen regelwerk 50mm
Mineralewol 40mm
Afwerklaag 13mm

Koppelstuk spankabel en wapening
Drukvaste isolatie 80mm
Afwerklaag 13mm

Afstudeer project van:



Eric Bulters

Onder leiding van:
Narrativa Architecten

Job Title
Wonen boven de A12

Drawing Name
Detail 2

Drawing Status
Definitief Ontwerp

Drawn by
Eric Bulters

Drawing Scale
1:5

Rw 52dB volgens opgave fabrikant

Afdichting

Kozijn plank
Afwerklaag
LenoTec Masief
Mineralewol
Regelwerk
Houten gevelbekleding

25mm
13mm
67mm
80mm
15mm
13mm

Houten afwerkvloer
I-profiel houten vloer
Afwerk laag

60mm
210mm
20mm

Afstudeer project van:



Eric Bulters

Onder leiding van:
Narrativa Architecten

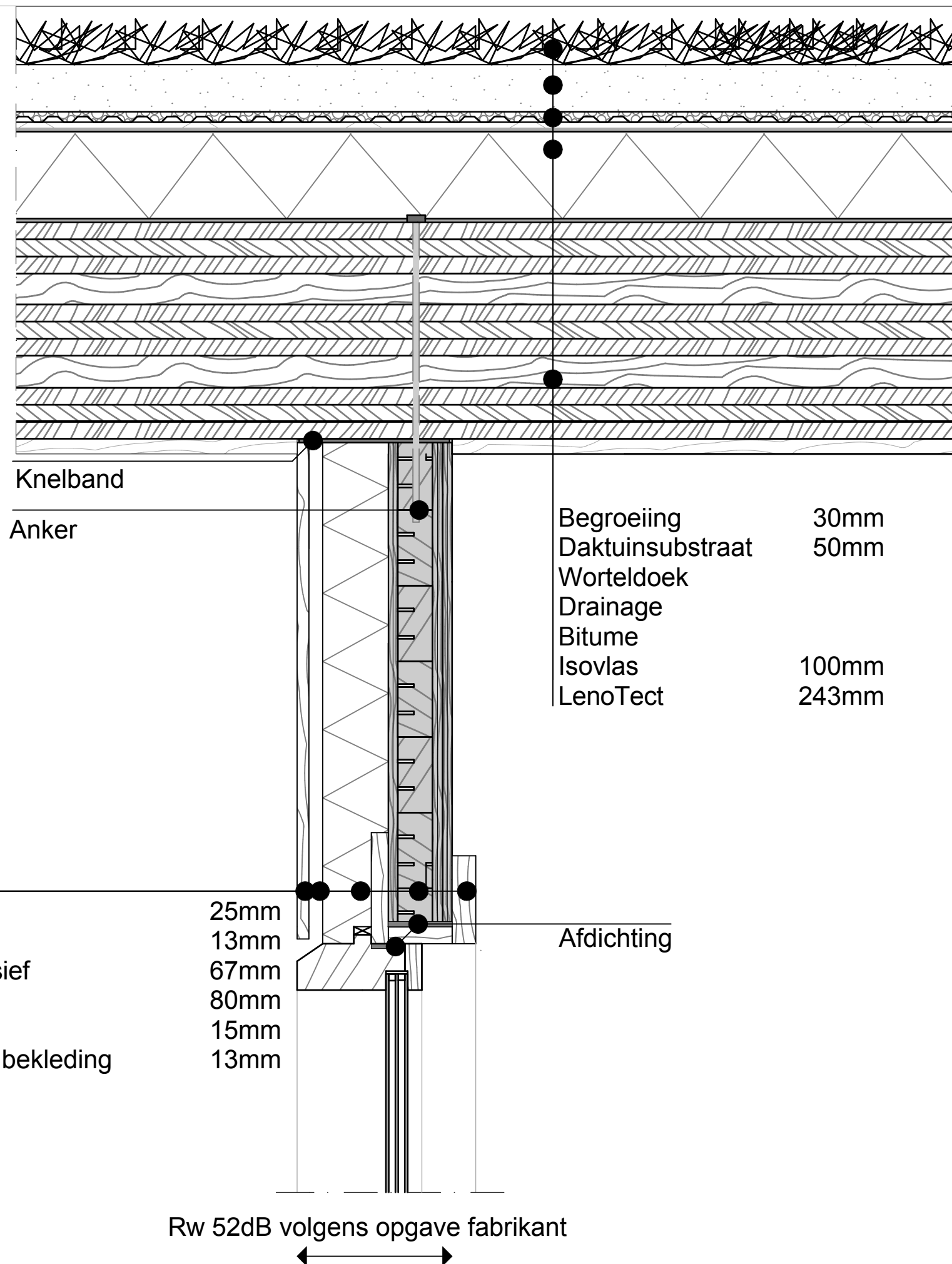
Job Title
Wonen boven de A12

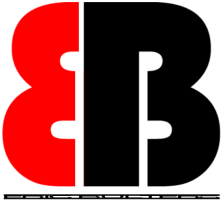
Drawing Name
Detail 3

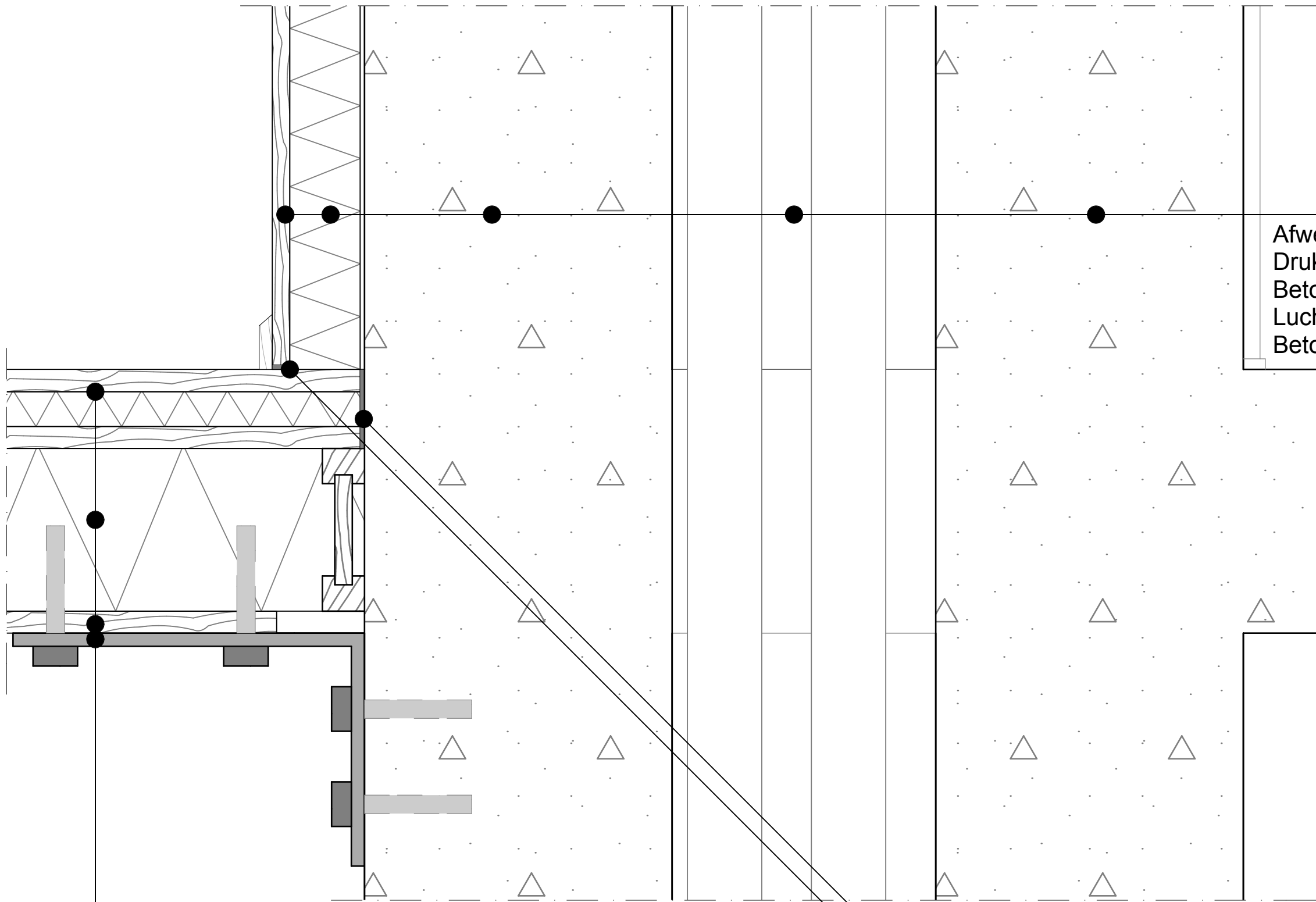
Drawing Status
Definitief Ontwerp

Drawn by
Eric Bulters

Drawing Scale
1:5



Afstudeer project van:	 Eric Bulters
Onder leiding van:	Narrativa Architecten
Job Title	Wonen boven de A12
Drawing Name	Detail 4
Drawing Status	Definitief Ontwerp
Drawn by	Eric Bulters
Drawing Scale	1:5



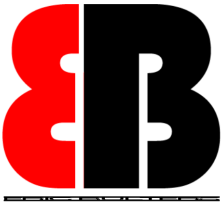
Afwerklaag	13mm
Drukvaste isolatie	80mm
Betonnen muur	350mm
Lucht spouw met leidingen	300mm
Betonnen muur	350mm

Houten afwerkvloer
I-profiel houten vloer
Afwerk laag
Stalen hoekprofiel

60mm
210mm
20mm

Afdichting
Knelband

Afstudeer project van:



Eric Bulters

Onder leiding van:

Narrativa Architecten

Job Title

Wonen boven de A12

Drawing Name

Detail 5

Drawing Status

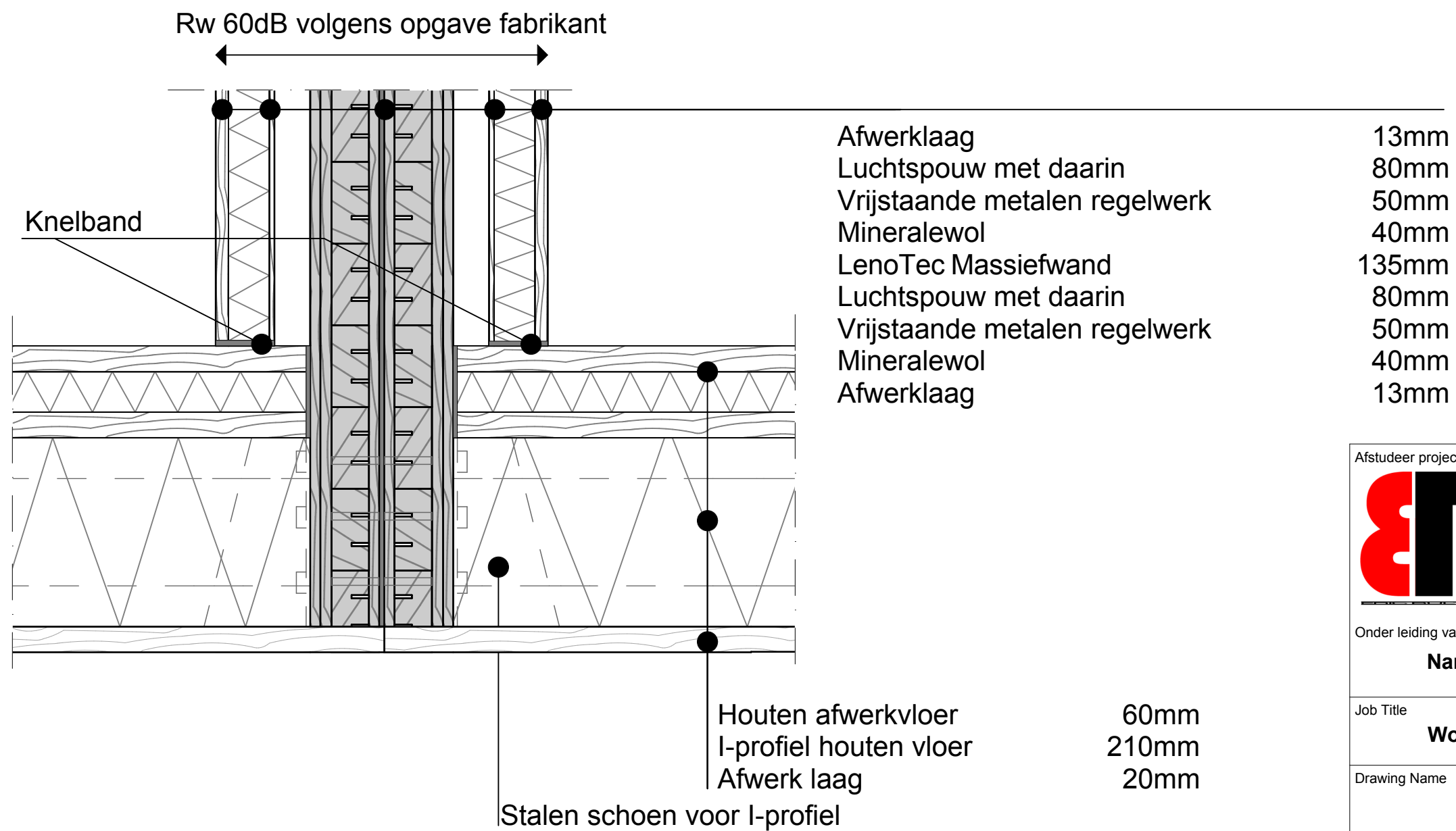
Definitief Ontwerp

Drawn by

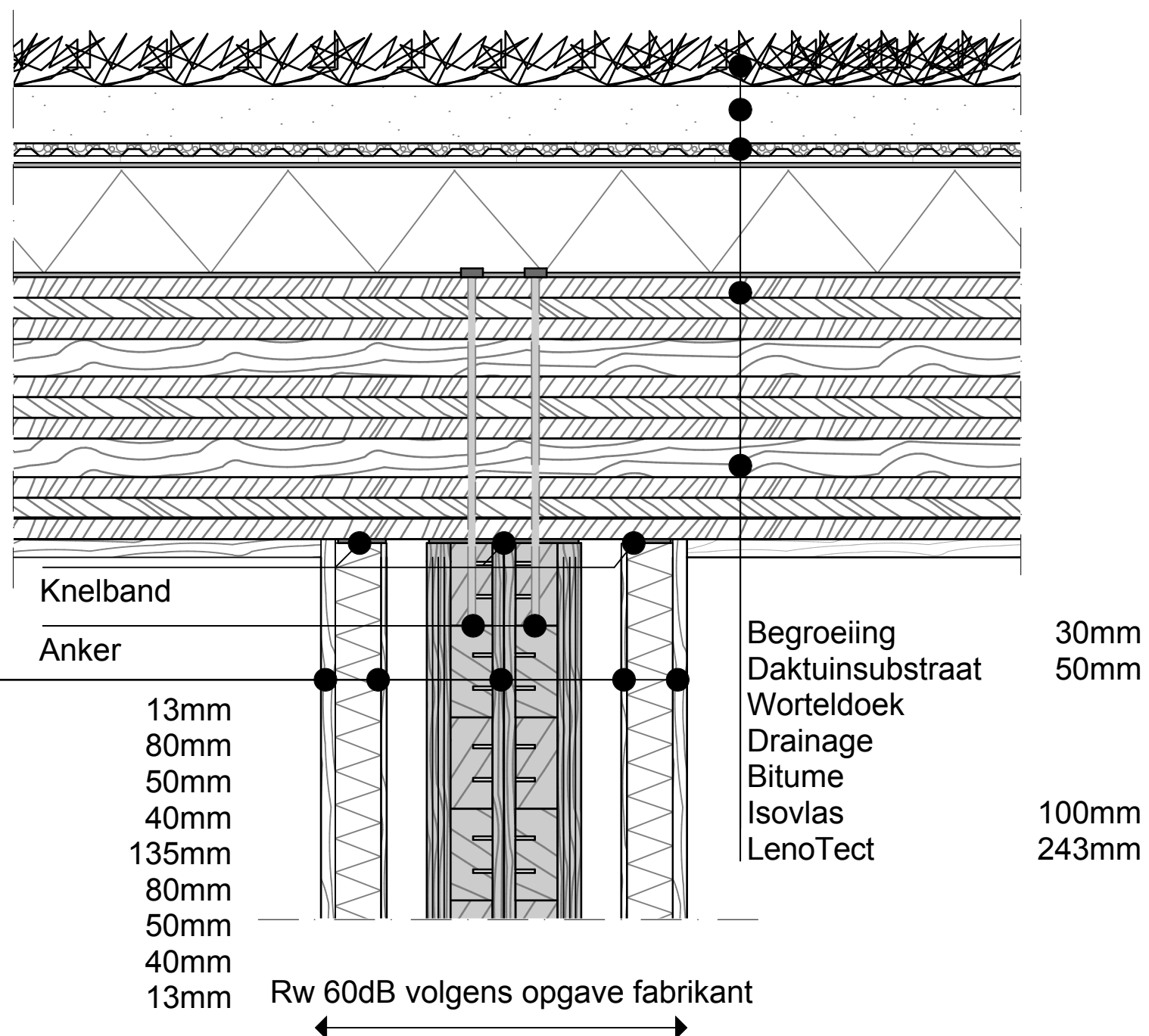
Eric Bulters

Drawing Scale

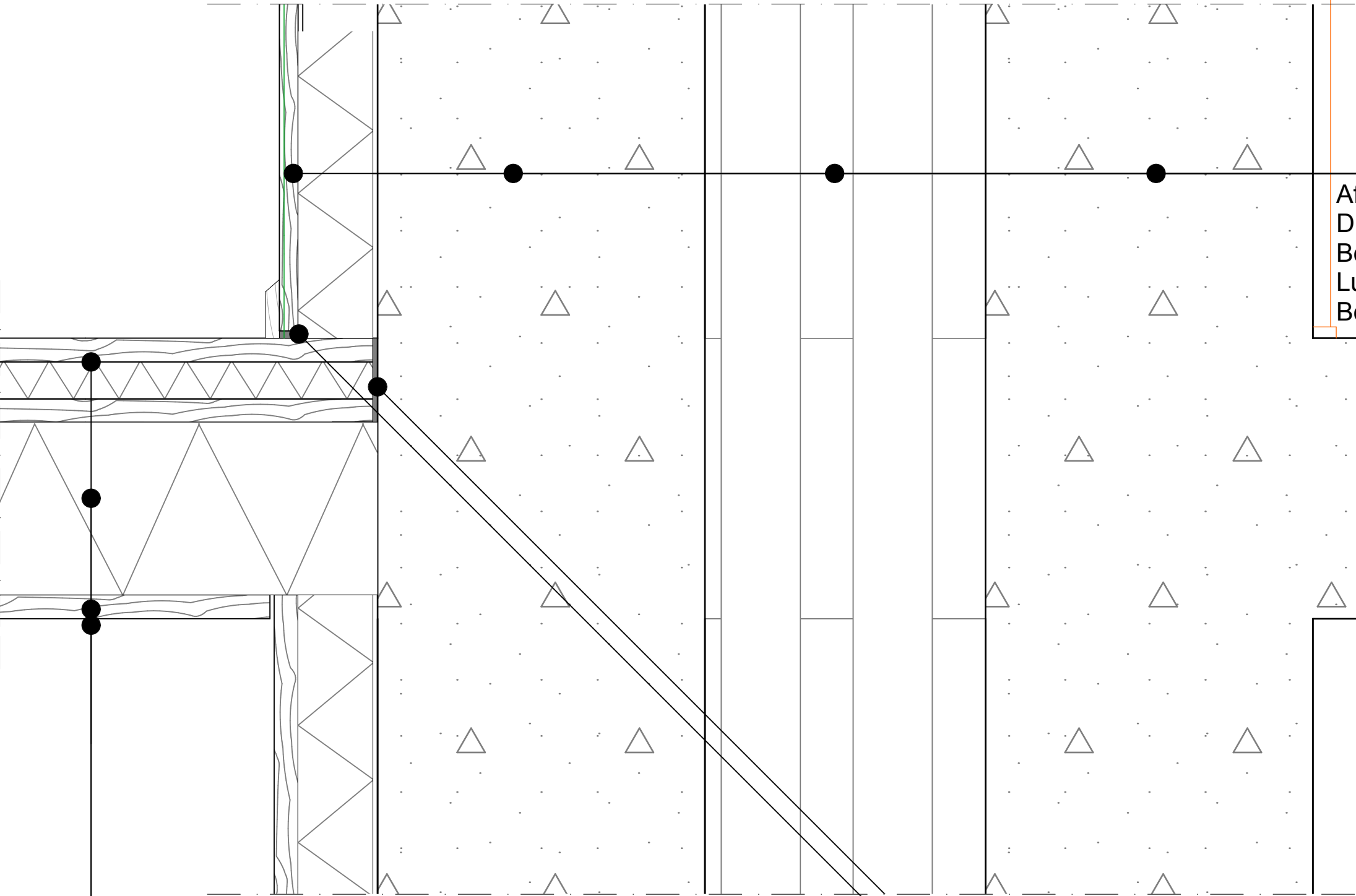
1:5



Afstudeer project van:	 Eric Bulters
Onder leiding van:	Narrativa Architecten
Job Title	Wonen boven de A12
Drawing Name	Detail 6
Drawing Status	Definitief Ontwerp
Drawn by	Eric Bulters
Drawing Scale	1:5



Afstudeer project van:	 Eric Bulters
Onder leiding van:	Narrativa Architecten
Job Title	Wonen boven de A12
Drawing Name	Detail 7
Drawing Status	Definitief Ontwerp
Drawn by	Eric Bulters
Drawing Scale	1:5



Afwerklaag 13mm
Drukvaste isolatie 80mm
Betonnen muur 350mm
Lucht spouw met leidingen 300mm
Betonnen muur 350mm

Houten afwerkvloer 60mm
I-profiel houten vloer 210mm
Afwerk laag 20mm
Stalen hoekprofiel

Afdichting
Knelband

Afstudeer project van:



Eric Bulters

Onder leiding van:
Narrativa Architecten

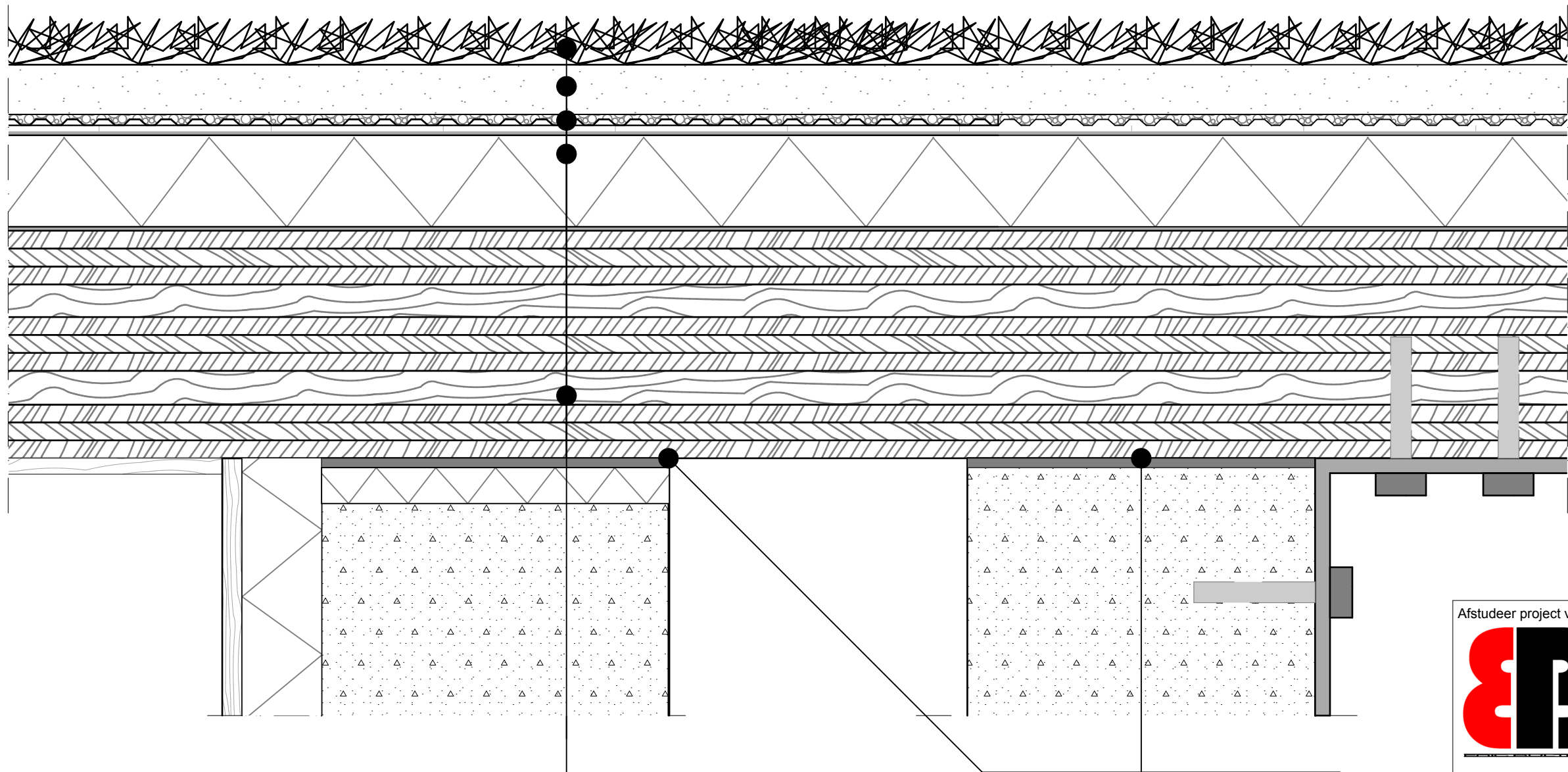
Job Title
Wonen boven de A12

Drawing Name
Detail 8

Drawing Status
Definitief Ontwerp

Drawn by
Eric Bulters

Drawing Scale
1:5



Begroeiing 30mm
Daktuinsubstraat 50mm
Worteldoek
Drainage
Bitume
Isovlas 100mm
LenoTect 243mm

Knelband

Afstudeer project van:



Eric Bulters

Onder leiding van:

Narrativa Architecten

Job Title

Wonen boven de A12

Drawing Name

Detail 9

Drawing Status

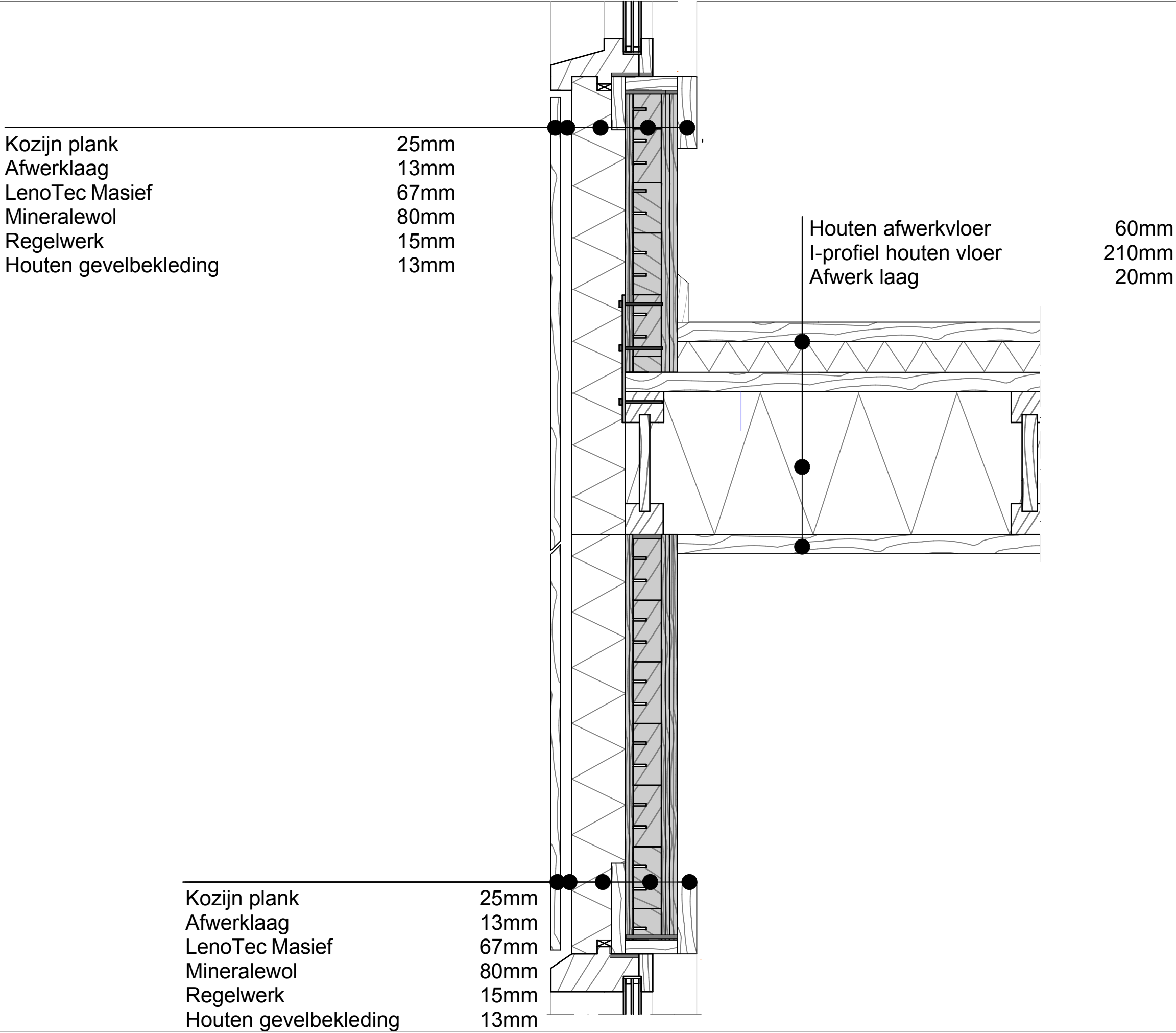
Definitief Ontwerp

Drawn by

Eric Bulters

Drawing Scale

1:5



Afstudeer project van:



Eric Bulters

Onder leiding van:

Narrativa Architecten

Job Title

Wonen boven de A12

Drawing Name

Detail 10

Drawing Status

Definitief Ontwerp

Drawn by

Eric Bulters

Drawing Scale

1:5