

Department of Architecture  
Faculty of Civil Engineering and Planning  
Universitas Islam Indonesia

Note

Project name  
Bachelor Final Project  
**COLLABORATIVE VERTICAL HOUSING  
IN BREMEN, GERMANY**  
Hohweg, 28219 Bremen, Germany

Supervisor  
**Dr-Ing Nensi Golda Yuli S.T., M.T.**  
Jury  
Dr-Ing Putu Ayu Pramanasari A. S.T., M.A

Student Name  
**Deni Ridwan Daru**  
14512019

Drawing title

**SITUATION PLAN**

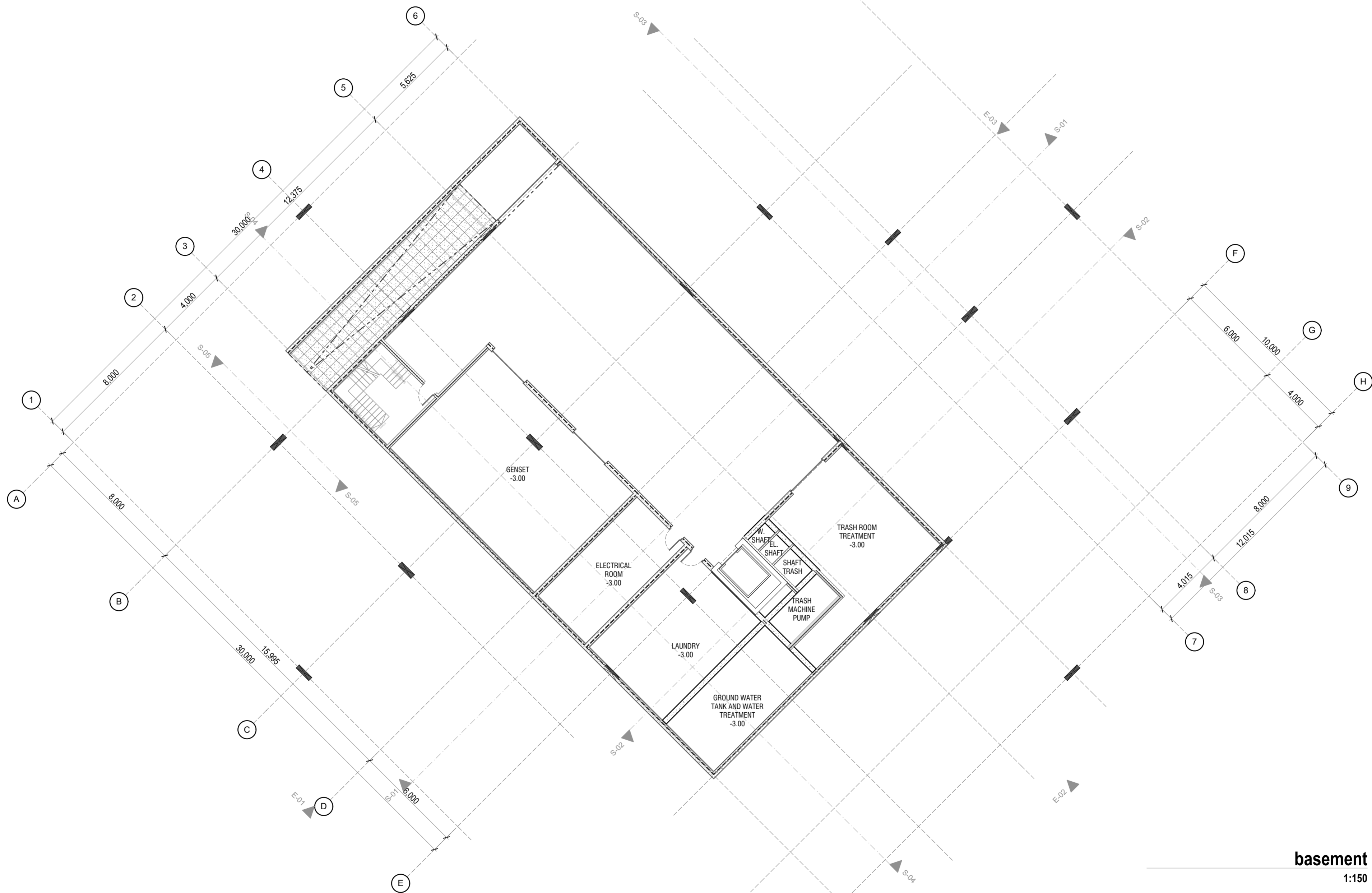
Scale

1:1000


Number of page

Page number

2



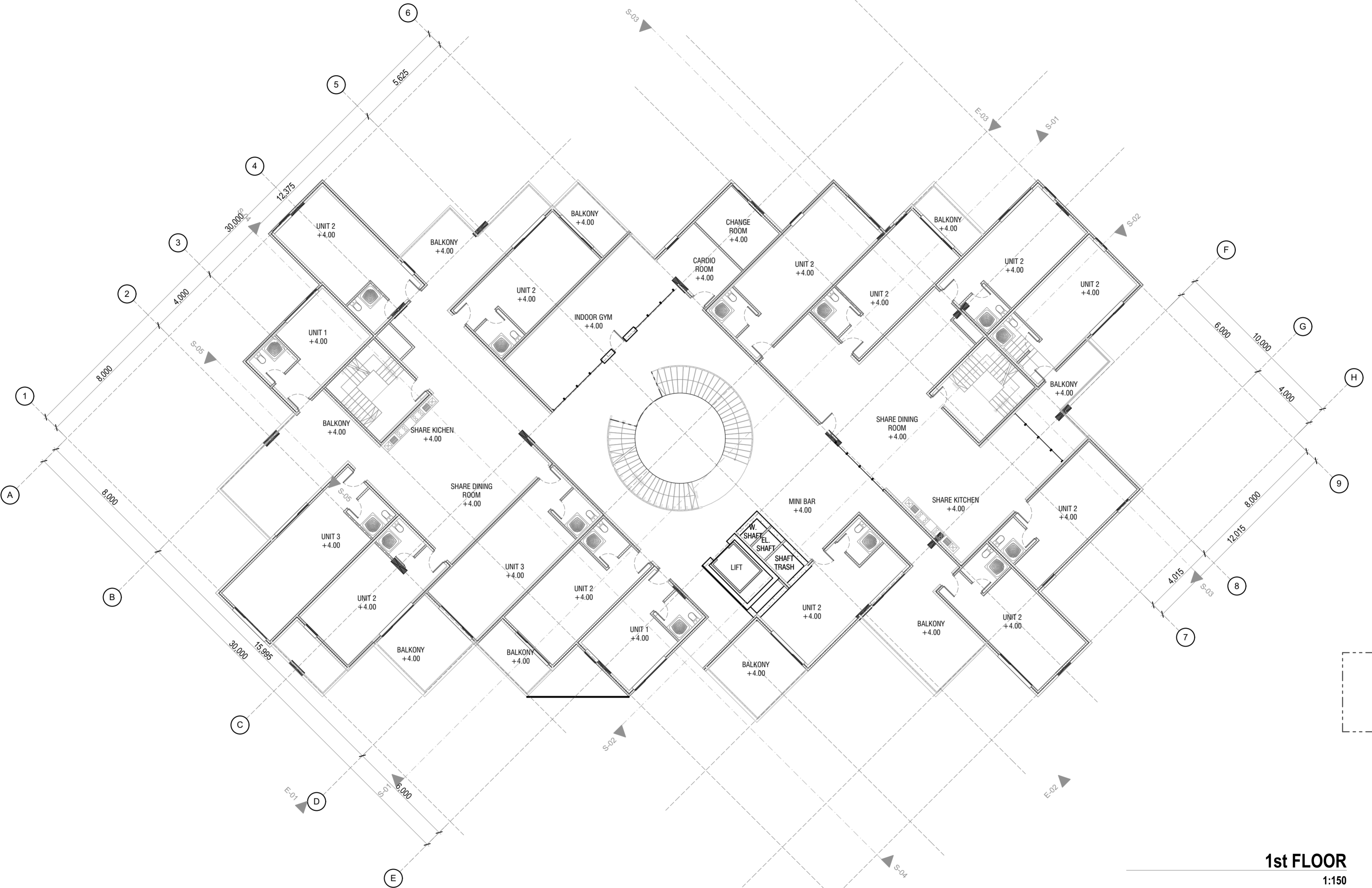
**basement**  
1:150

 <p>Department of Architecture Faculty of Civil Engineering and Planning Universitas Islam Indonesia</p>	<p>Note</p>	<p>Project name Bachelor Final Project <b>COLLABORATIVE VERTICAL HOUSING IN BREMEN, GERMANY</b> Hohweg, 28219 Bremen, Germany</p>	<p>Supervisor <b>Dr-Ing Nensi Golda Yuli S.T., M.T.</b> Jury Dr-Ing Putu Ayu Pramanasari A. S.T., M.A</p>	<p>Student Name <b>Deni Ridwan Daru 14512019</b></p>	<p>Drawing tittle <b>basement</b> Scale <b>1:150</b></p>	<p>Number of page Page number <b>3</b></p>
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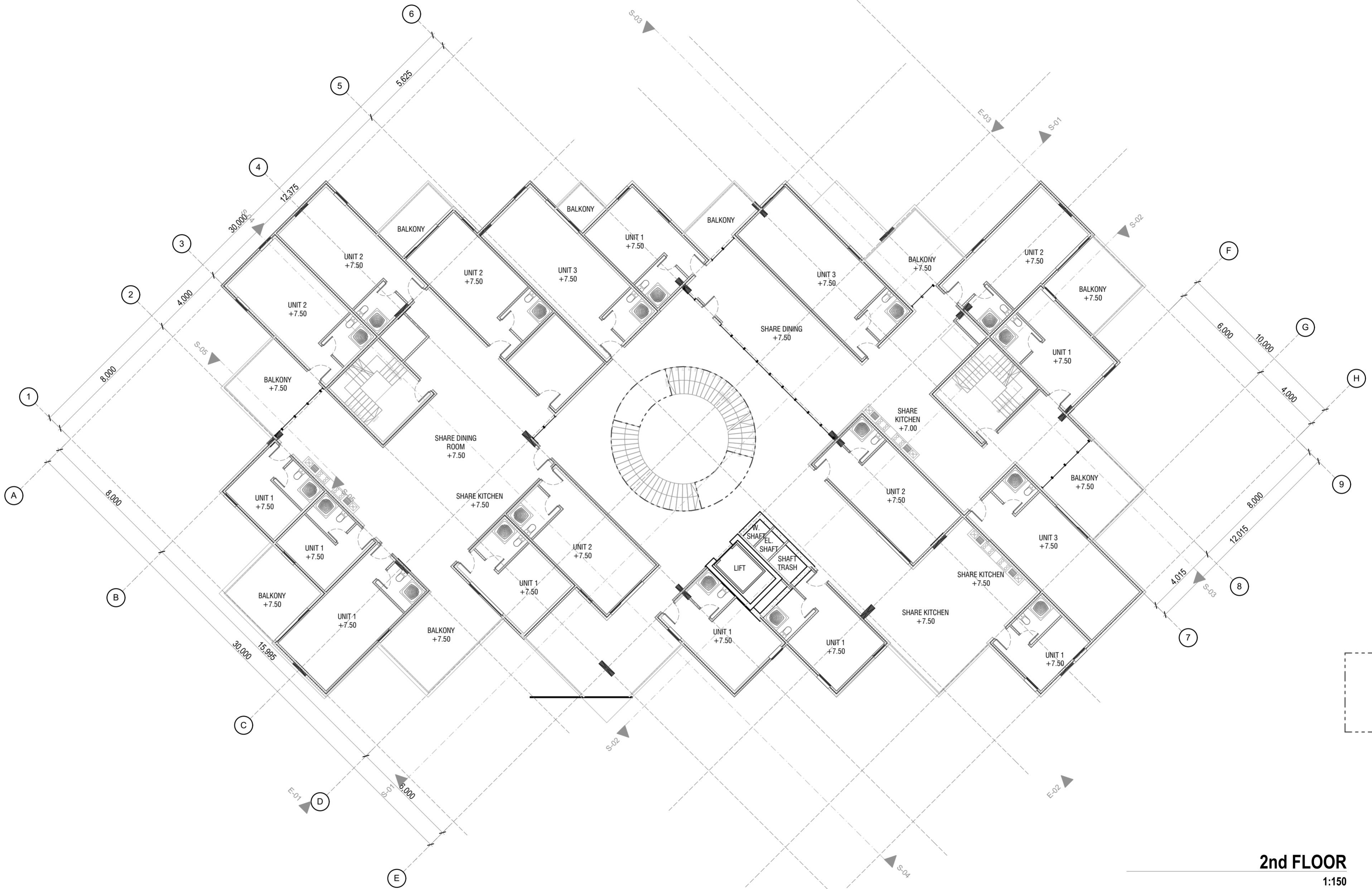


**GROUND FLOOR**

1:150



**1st FLOOR**  
1:150



**2nd FLOOR**  
1:150



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**2nd FLOOR**

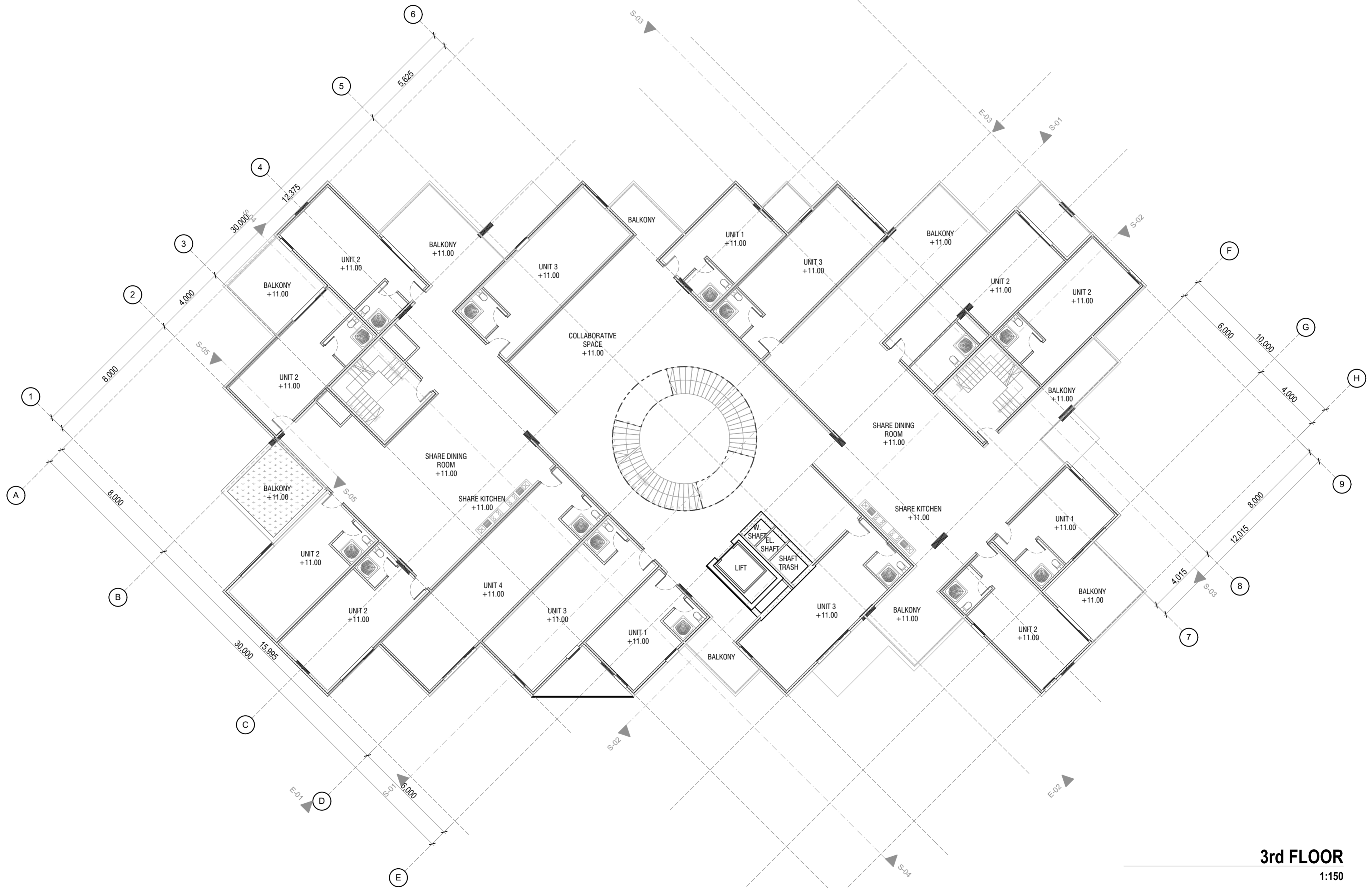
Scale

**1:150**

Number of page

Page number

**6**



**3rd FLOOR**  
1:150



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14512019**

Drawing title

**3rd FLOOR**

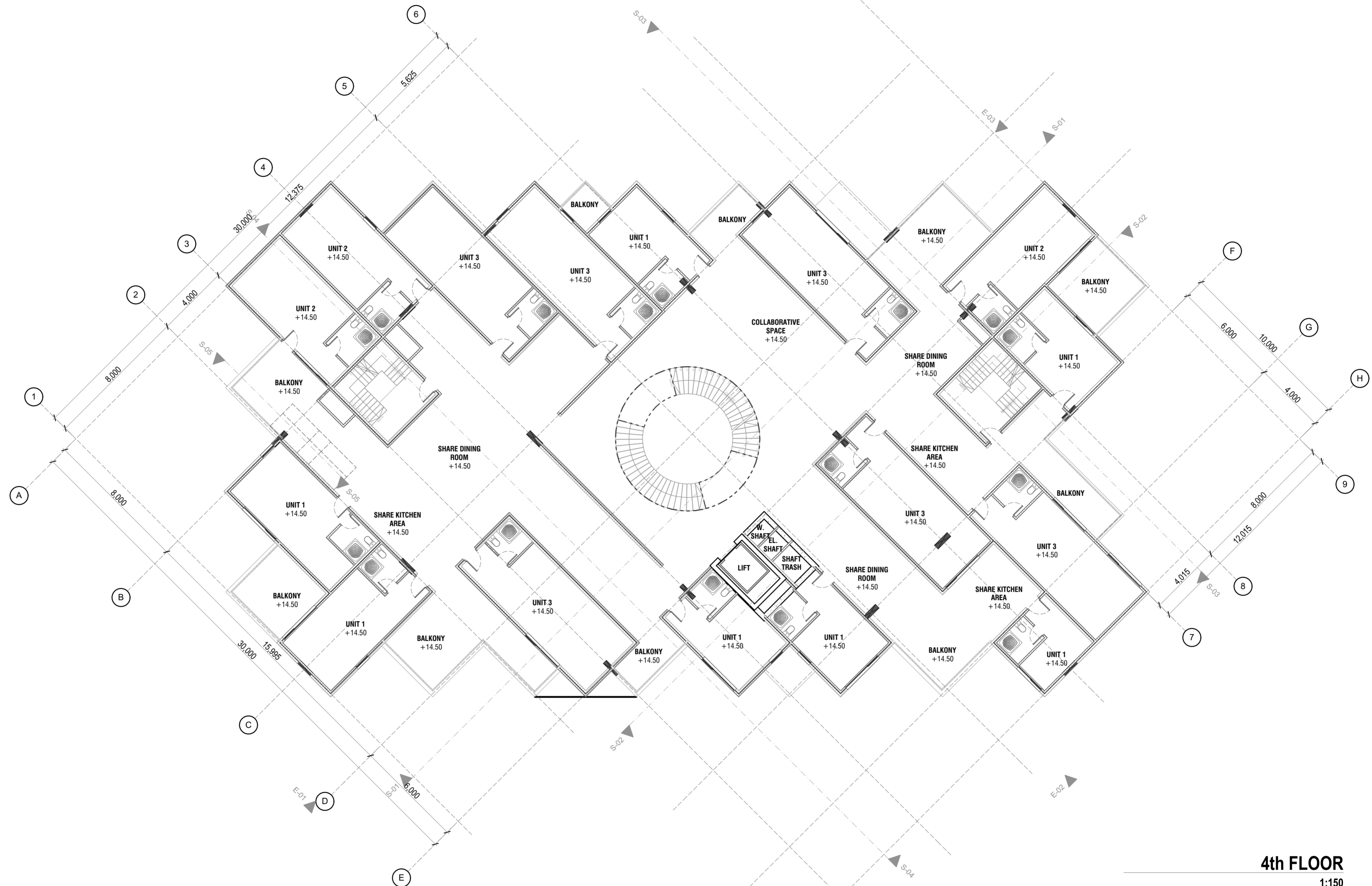
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Number of page

Page number

**7**



**4th FLOOR**  
1:150



Note

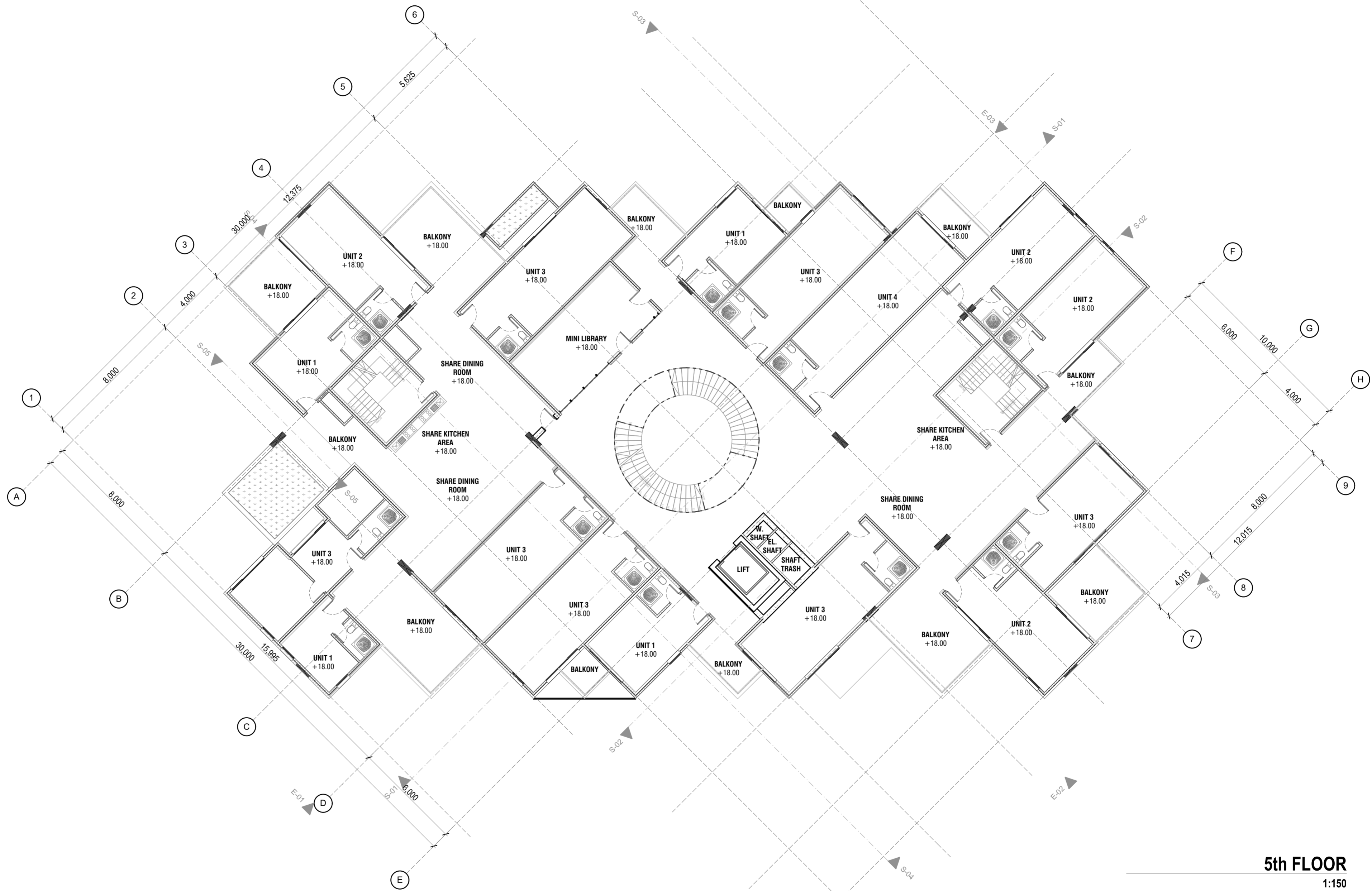
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14512019**

Drawing title  
**4th FLOOR**  
Scale  
**1:150**

Number of page  
Page number  
**8**



**5th FLOOR**  
1:150



Note

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14512019**

Drawing title

**5th FLOOR**

Scale

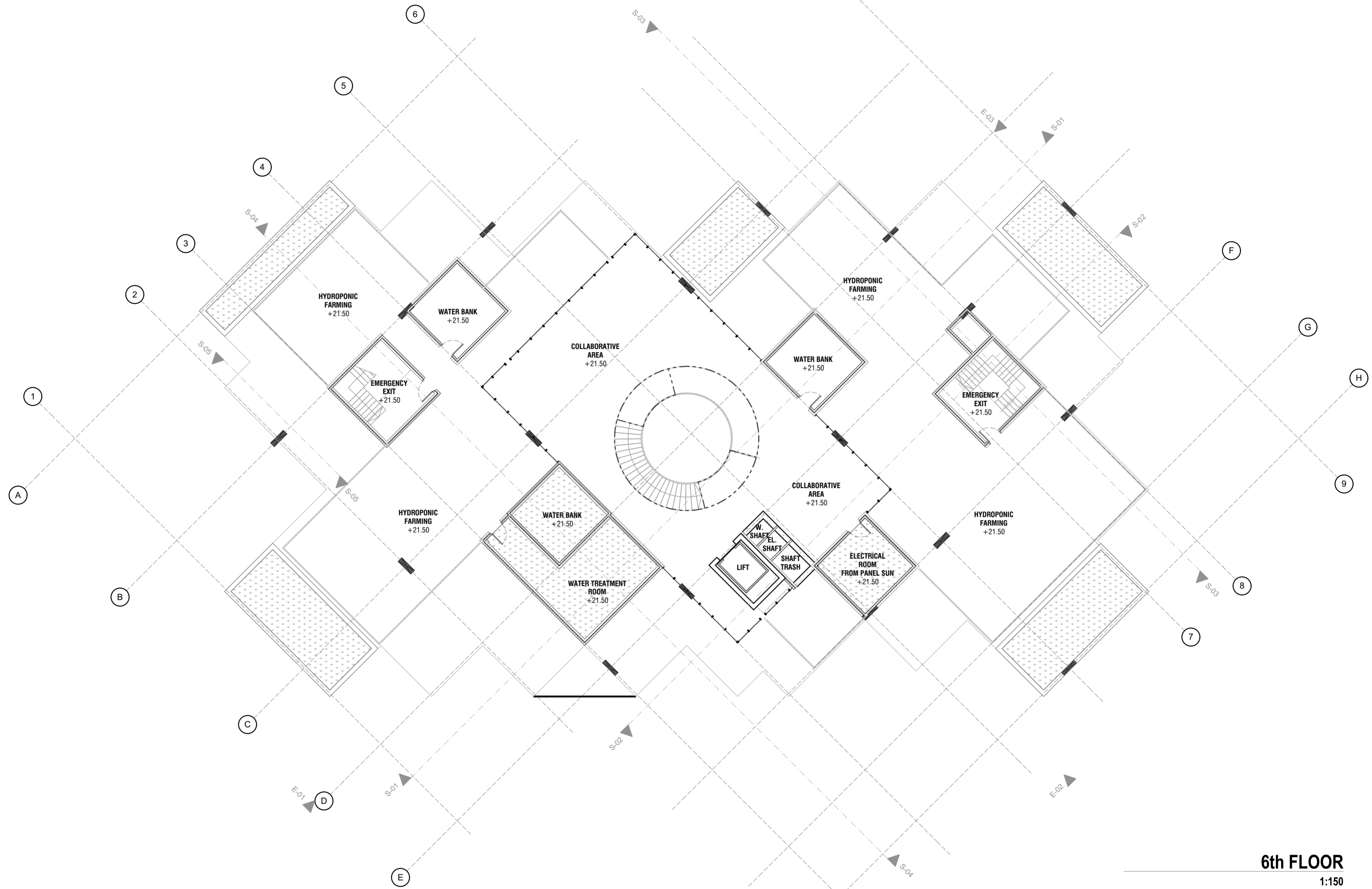
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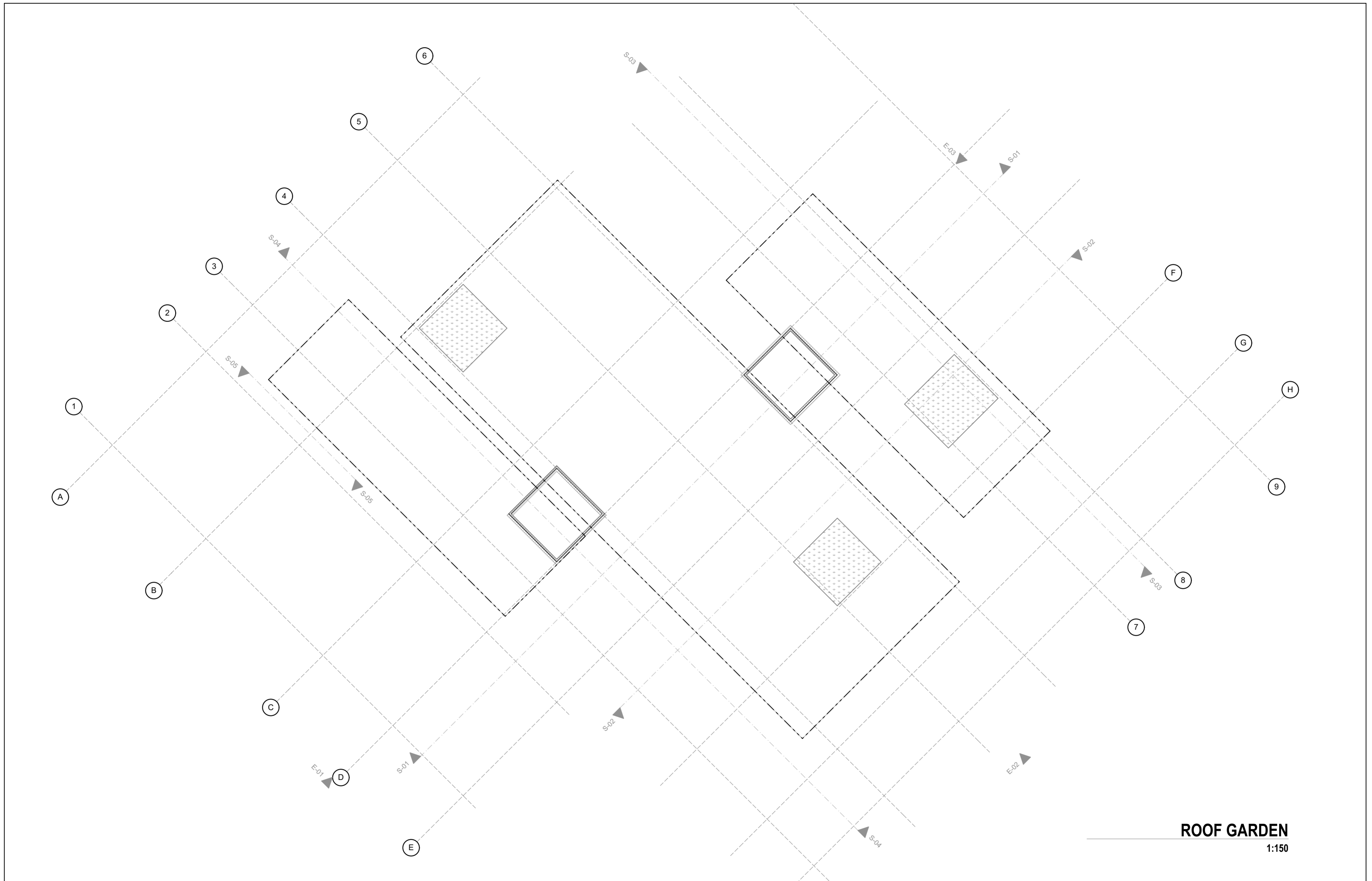
Page number

**9**






**6th FLOOR**  
1:150




**ROOF GARDEN**  
1:150

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**Elevation 01**  
1:150

 <p>Department of Architecture Faculty of Civil Engineering and Planning Universitas Islam Indonesia</p>	<p>Note</p>	<p>Project name Bachelor Final Project <b>COLLABORATIVE VERTICAL HOUSING IN BREMEN, GERMANY</b> Hohweg, 28219 Bremen, Germany</p>	<p>Supervisor <b>Dr-Ing Nensi Golda Yuli S.T., M.T.</b> Jury Dr-Ing Putu Ayu Pramanasari A. S.T., M.A</p>	<p>Student Name <b>Deni Ridwan Daru</b> 14512019</p>	<p>Drawing title <b>Elevation 01</b> Scale 1:150</p>	<p>Number of page Page number 12</p>
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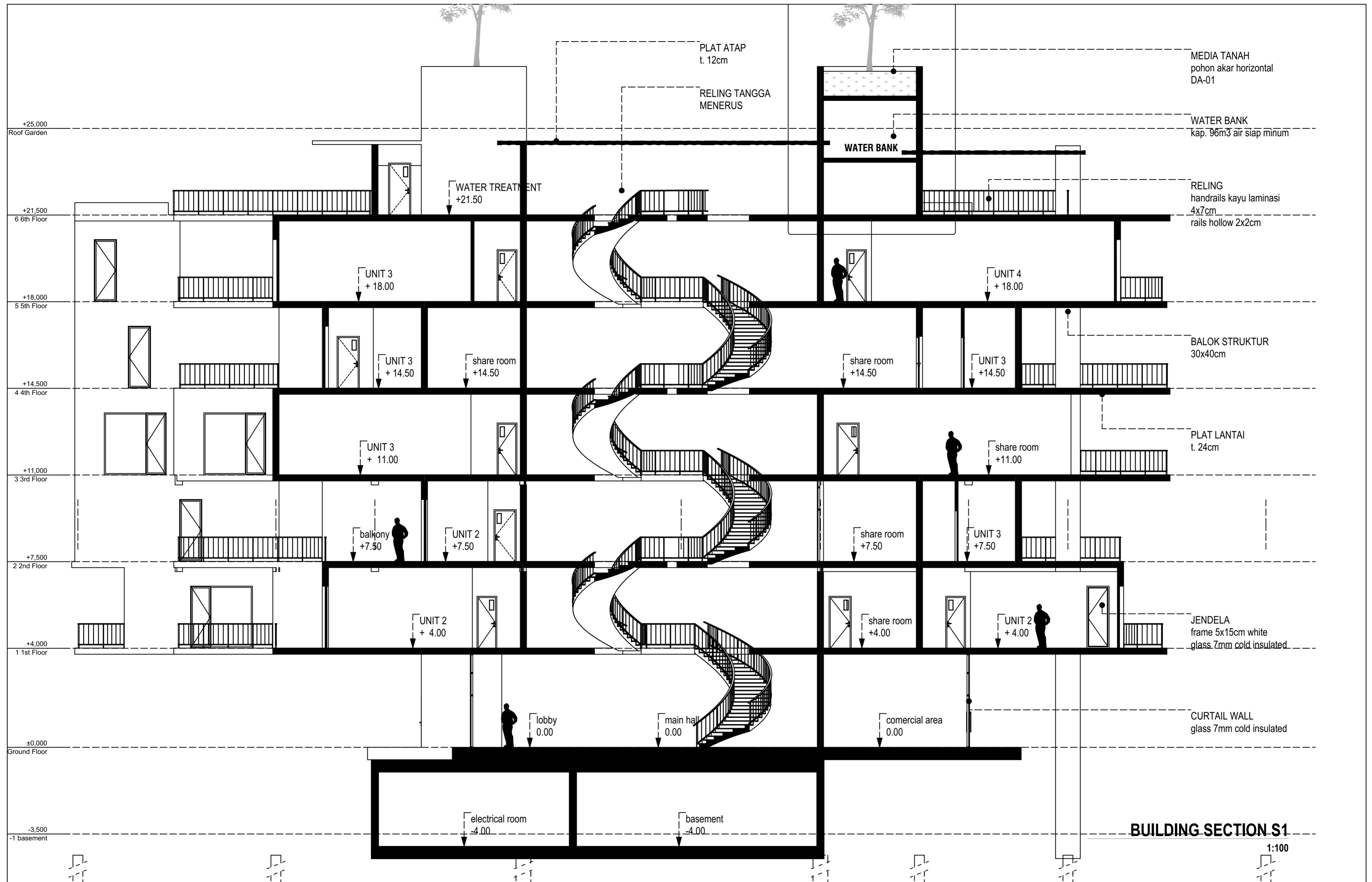
**Elevation 02**  
1:150

 <p>Department of Architecture Faculty of Civil Engineering and Planning Universitas Islam Indonesia</p>	<p>Note</p>	<p>Project name Bachelor Final Project <b>COLLABORATIVE VERTICAL HOUSING IN BREMEN, GERMANY</b> Hohweg, 28219 Bremen, Germany</p>	<p>Supervisor <b>Dr-Ing Nensi Golda Yuli S.T., M.T.</b> Jury Dr-Ing Putu Ayu Pramanasari A. S.T., M.A</p>	<p>Student Name <b>Deni Ridwan Daru</b> 14512019</p>	<p>Drawing title <b>Elevation 02</b> Scale 1:150</p>	<p>Number of page Page number 13</p>
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**Elevation 03**  
1:150

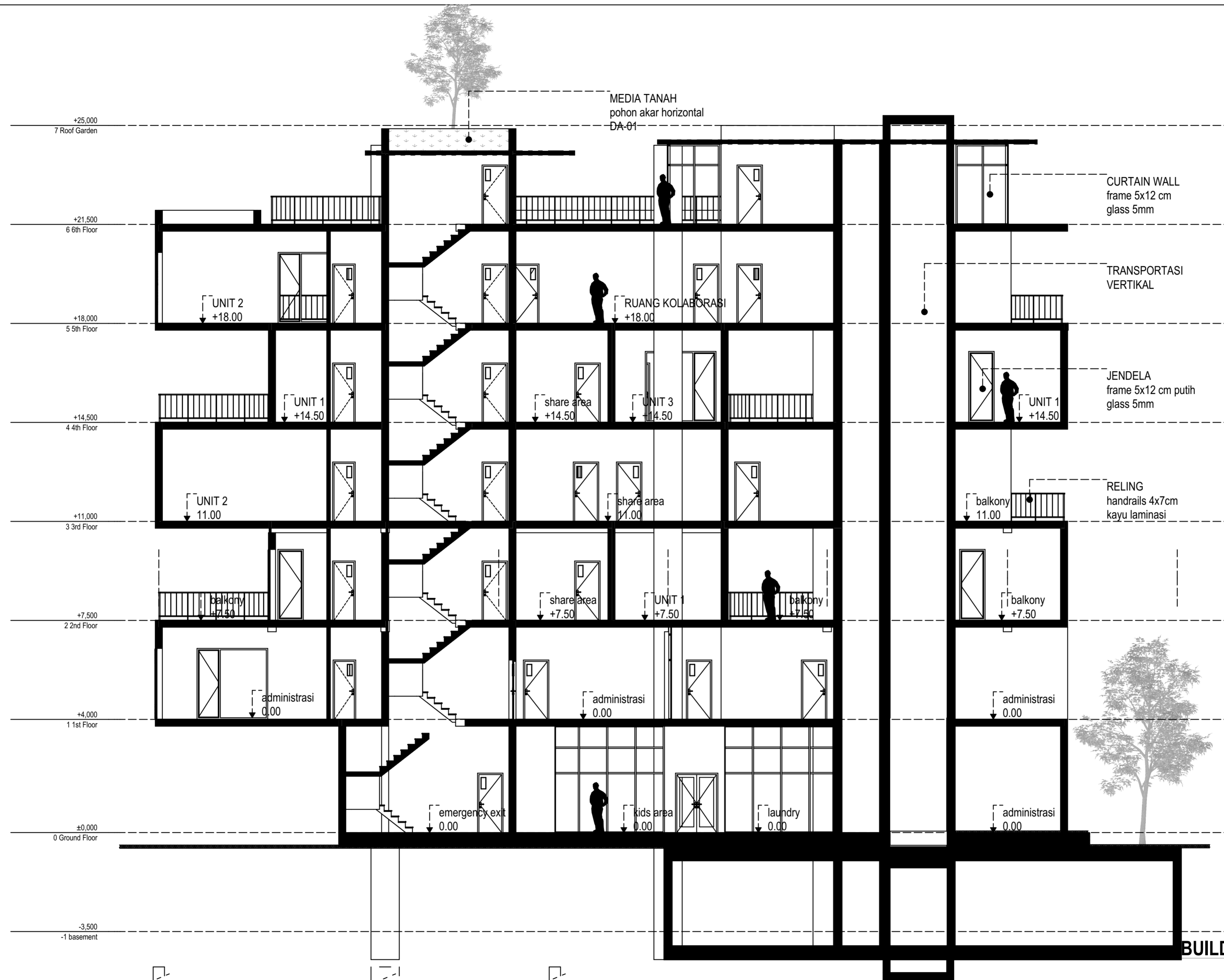
 <p>Department of Architecture Faculty of Civil Engineering and Planning Universitas Islam Indonesia</p>	<p>Note</p>	<p>Project name Bachelor Final Project <b>COLLABORATIVE VERTICAL HOUSING IN BREMEN, GERMANY</b> Hohweg, 28219 Bremen, Germany</p>	<p>Supervisor <b>Dr-Ing Nensi Golda Yuli S.T., M.T.</b> Jury Dr-Ing Putu Ayu Pramanasari A. S.T., M.A</p>	<p>Student Name <b>Deni Ridwan Daru</b> 14512019</p>	<p>Drawing title <b>Elevation 03</b> Scale 1:150</p>	<p>Number of page Page number 14</p>
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**BUILDING SECTION S1**

1:100

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**BUILDING SECTION S2**

1:100



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Student Name  
**Deni Ridwan Daru**  
14512019

Drawing title

**BUILDING SECTION S2**

Scale

1:100

Number of page


Page number

16

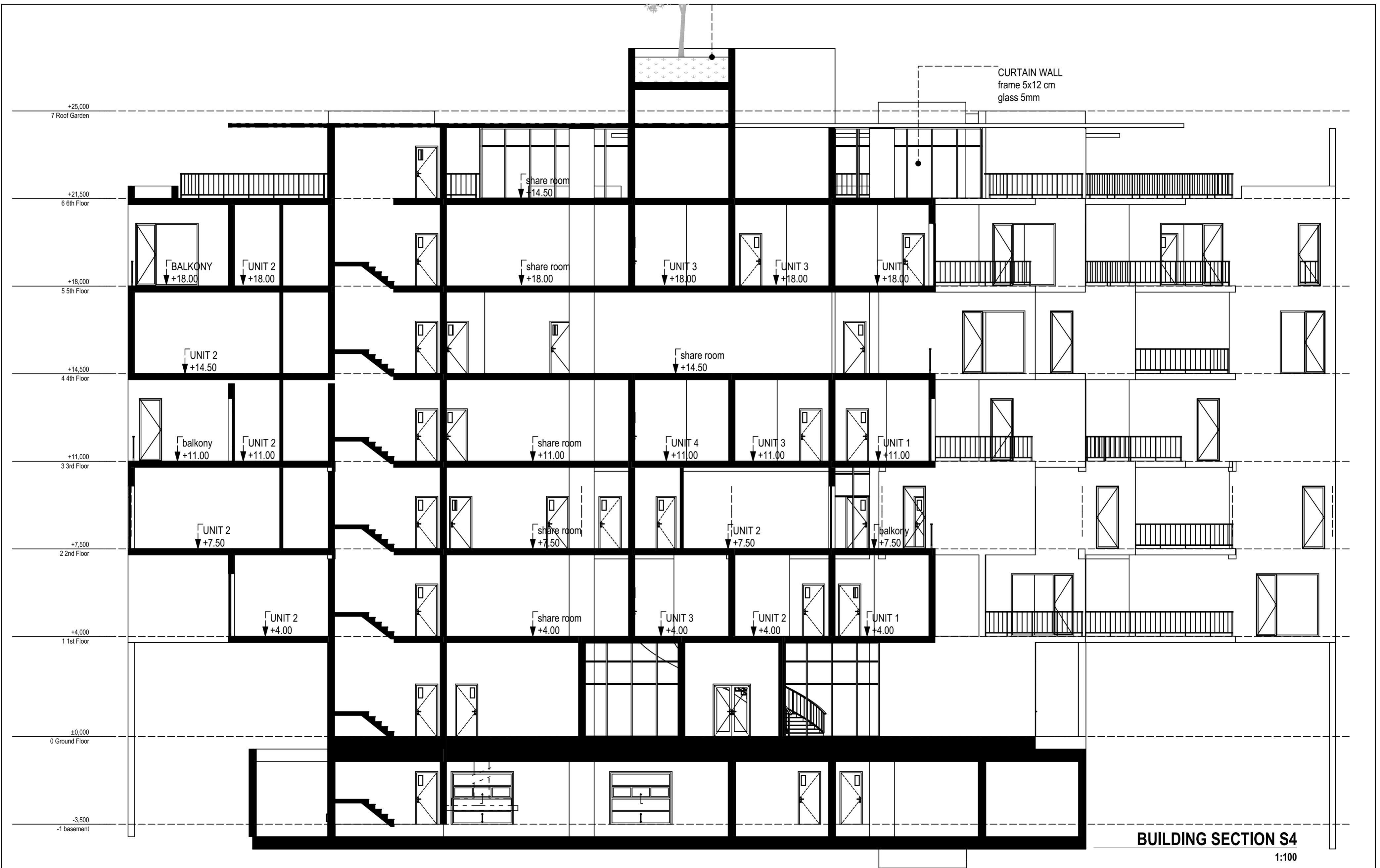


**BUILDING SECTION S3**


1:100

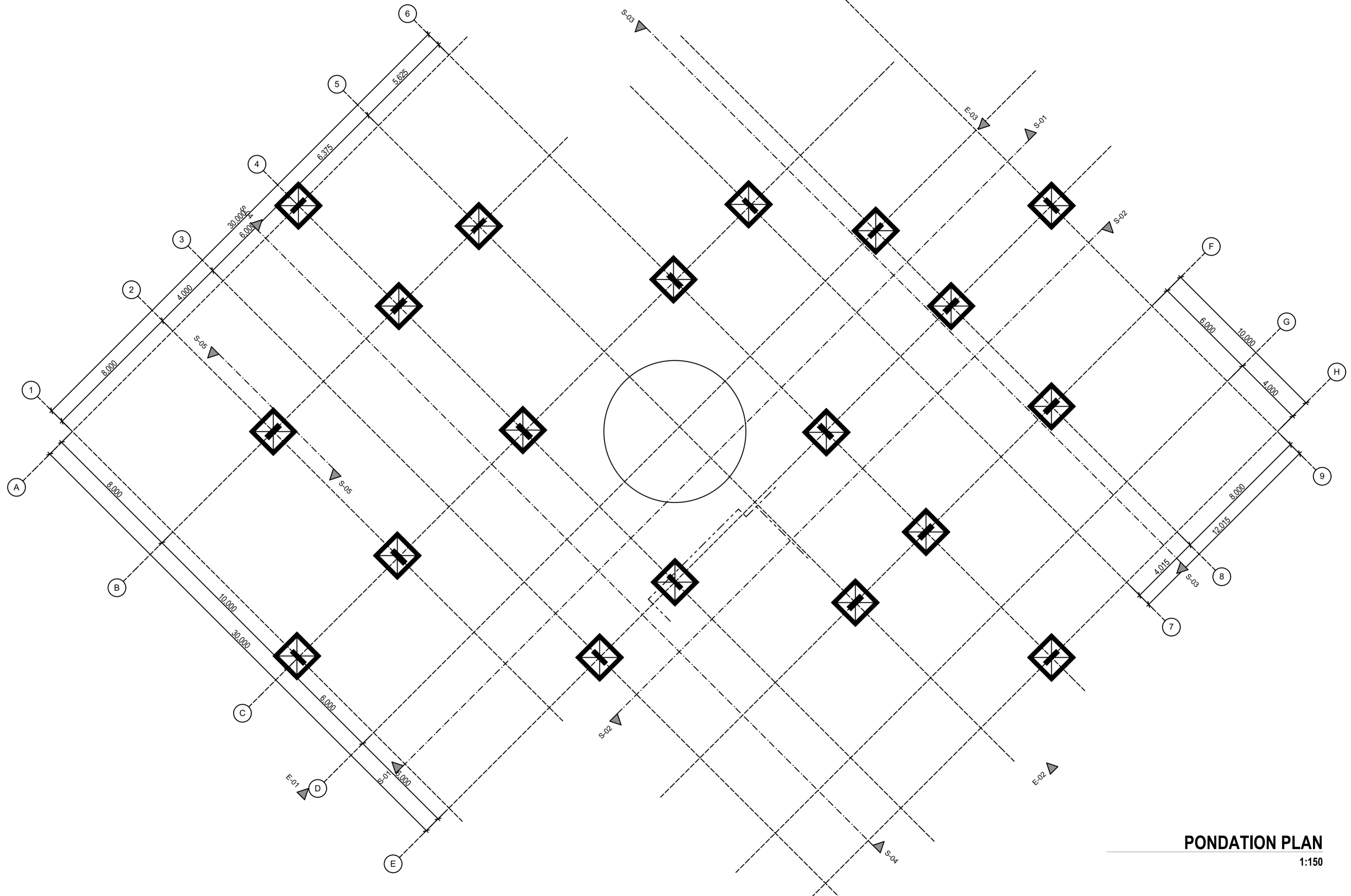
 <p>Department of Architecture Faculty of Civil Engineering and Planning Universitas Islam Indonesia</p>	<p>Note</p>	<p>Project name Bachelor Final Project <b>COLLABORATIVE VERTICAL HOUSING IN BREMEN, GERMANY</b> Hohweg, 28219 Bremen, Germany</p>	<p>Supervisor <b>Dr-Ing Nensi Golda Yuli S.T., M.T.</b> Jury Dr-Ing Putu Ayu Pramanasari A. S.T., M.A</p>	<p>Student Name <b>Deni Ridwan Daru</b> 14512019</p>	<p>Drawing title <b>BUILDING SECTION S3</b> Scale 1:100</p>	<p>Number of page Page number 17</p>
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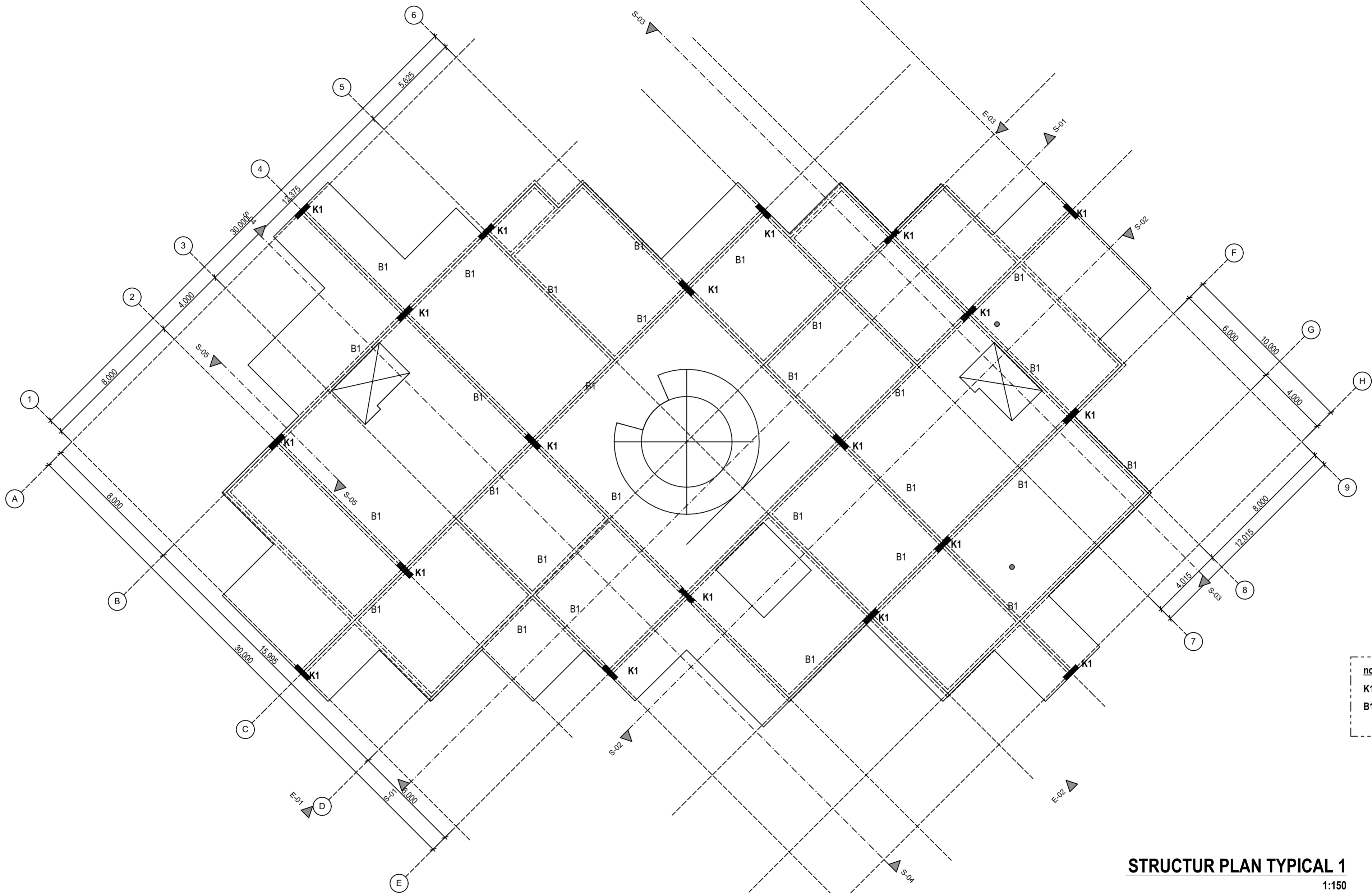
**BUILDING SECTION S4**  
1:100

 <p>Department of Architecture Faculty of Civil Engineering and Planning Universitas Islam Indonesia</p>	<p>Note</p>	<p>Project name Bachelor Final Project <b>COLLABORATIVE VERTICAL HOUSING IN BREMEN, GERMANY</b> Hohweg, 28219 Bremen, Germany</p>	<p>Supervisor <b>Dr-Ing Nensi Golda Yuli S.T., M.T.</b> Jury Dr-Ing Putu Ayu Pramanasari A. S.T., M.A</p>	<p>Student Name <b>Deni Ridwan Daru</b> 14512019</p>	<p>Drawing title <b>BUILDING SECTION S4</b> Scale 1:100</p>	<p>Number of page Page number 18</p>
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**PONDATION PLAN**  
1:150

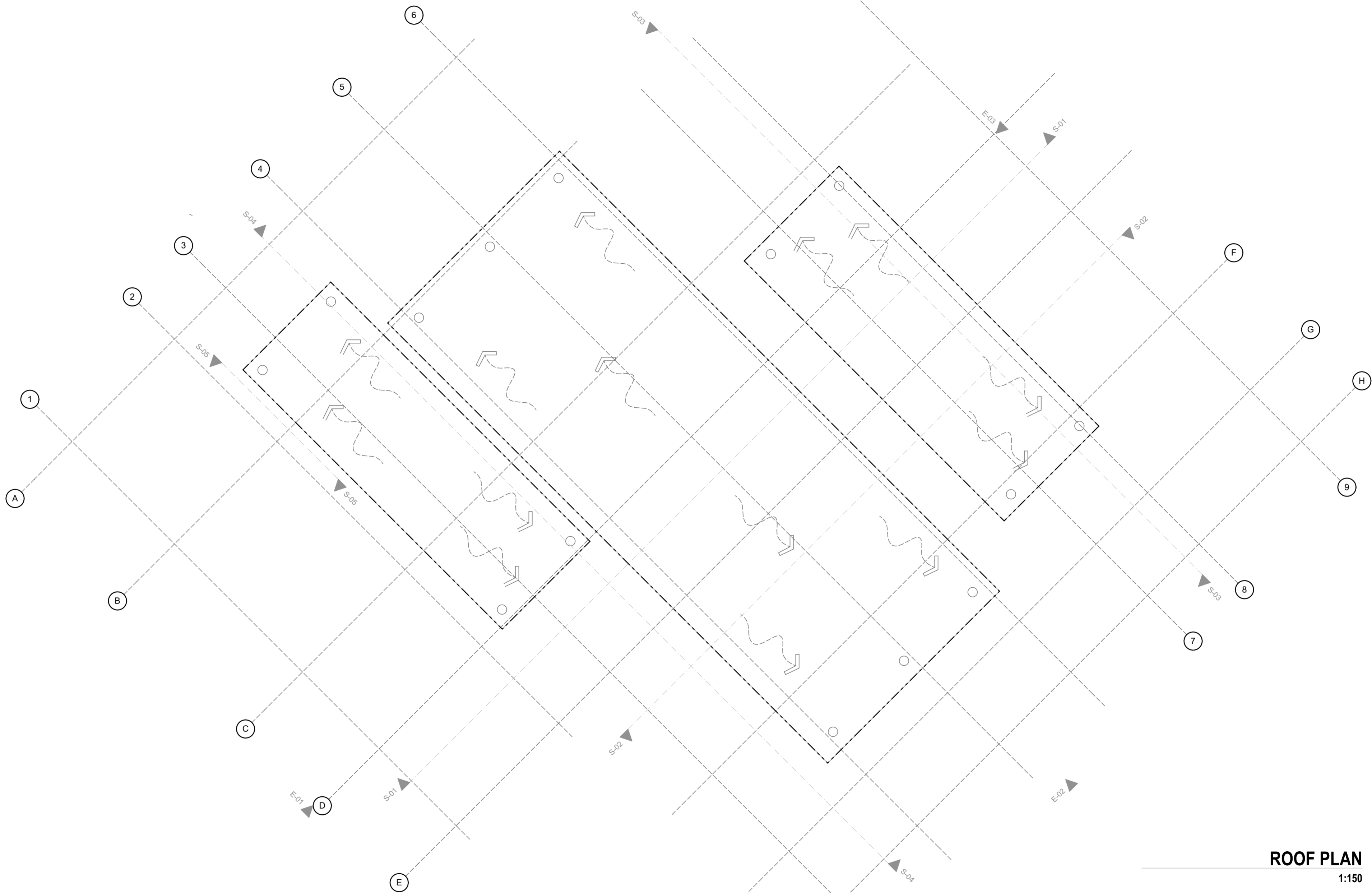
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**notes:**  
 K1 COLOUM sz  
 B1 BEAM sz. 30

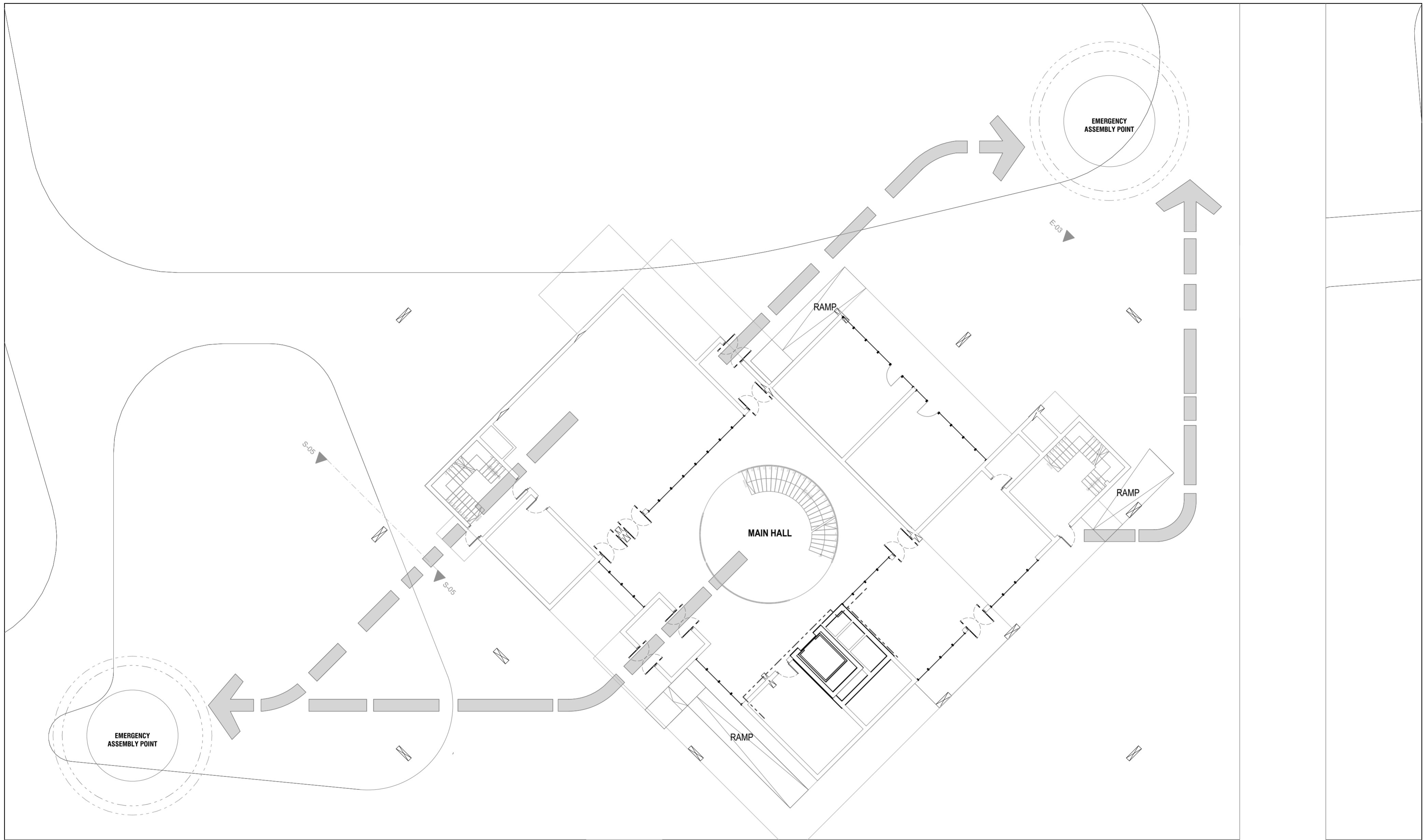
**STRUCUR PLAN TYPICAL 1**  
 1:150

 <p>Department of Architecture      Faculty of Civil Engineering and Planning      Universitas Islam Indonesia</p>	<p>Note</p> <p><b>K1</b> Kolom 1    40x60cm  <b>K2</b> Kolom 2    d60</p> <p><b>B1</b> Balok      40x60cm</p>	<p>Project name      Bachelor Final Project  <b>COLLABORATIVE VERTICAL HOUSING      IN BREMEN, GERMANY</b>      Hohweg, 28219 Bremen, Germany</p>	<p>Supervisor  <b>Dr-Ing Nensi Golda Yuli S.T., M.T.</b>      Jury      Dr-Ing Putu Ayu Pramanasari A. S.T., M.A</p>	<p>Student Name  <b>Deni Ridwan Daru</b>      14512019</p>	<p>Drawing tittle  <b>STRUCUR PLAN TYPICAL 1</b></p> <p>Scale      1:150</p>	<p>Number of page      Page number      20</p>
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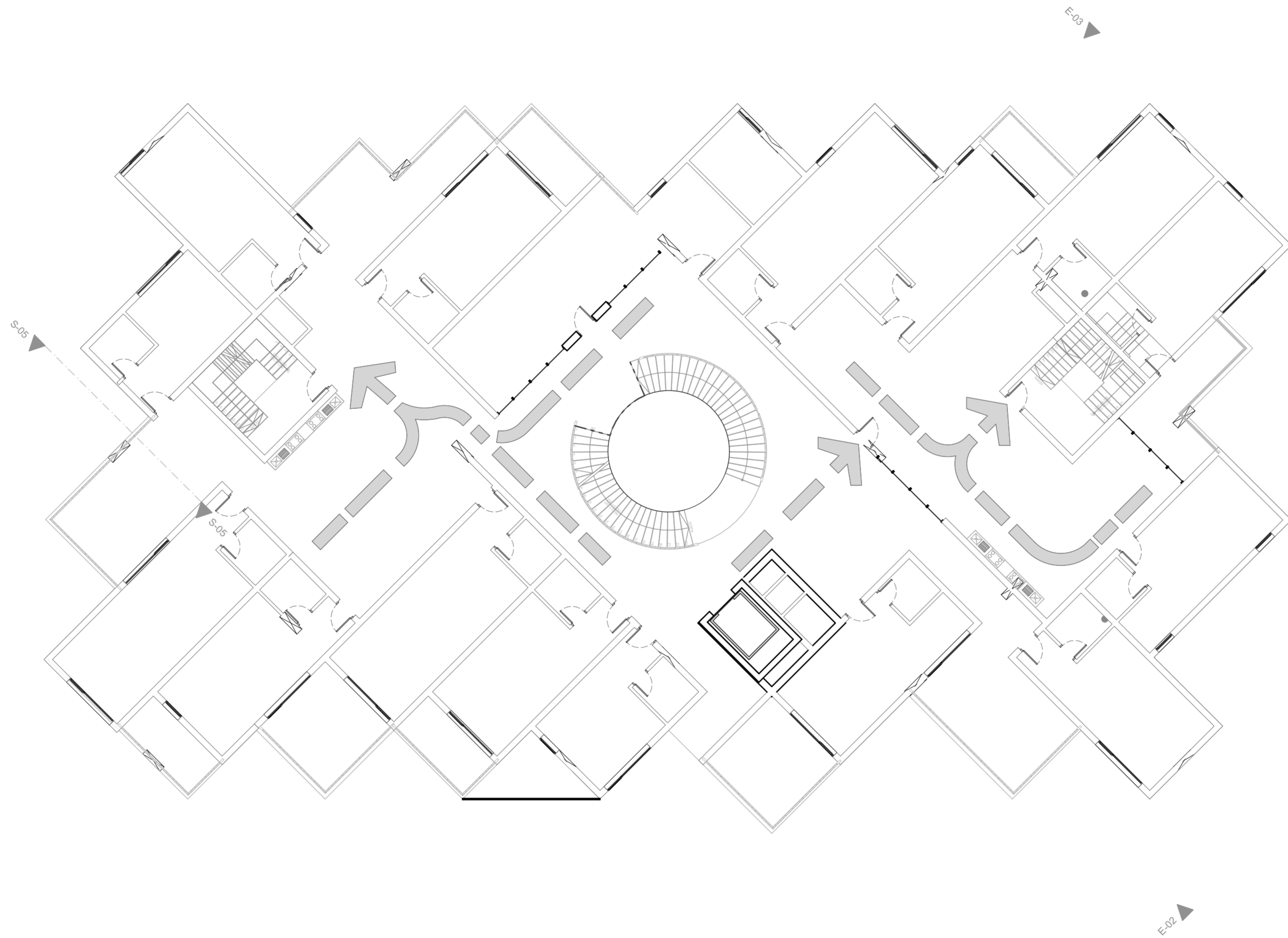
**ROOF PLAN**  
1:150

 <p>Department of Architecture Faculty of Civil Engineering and Planning Universitas Islam Indonesia</p>	<p>Note</p>	<p>Project name Bachelor Final Project <b>COLLABORATIVE VERTICAL HOUSING IN BREMEN, GERMANY</b> Hohweg, 28219 Bremen, Germany</p>	<p>Supervisor <b>Dr-Ing Nensi Golda Yuli S.T., M.T.</b> Jury Dr-Ing Putu Ayu Pramanasari A. S.T., M.A</p>	<p>Student Name <b>Deni Ridwan Daru 14512019</b></p>	<p>Drawing title <b>ROOF PLAN</b></p> <p>Scale <b>1:150</b></p>	<p>Number of page <b>21</b></p> <p>Page number</p>
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ASSEMBLY POINT  
1:150

 <p>Department of Architecture Faculty of Civil Engineering and Planning Universitas Islam Indonesia</p>	<p>Note</p>	<p>Project name Bachelor Final Project <b>COLLABORATIVE VERTICAL HOUSING IN BREMEN, GERMANY</b> Hohweg, 28219 Bremen, Germany</p>	<p>Supervisor <b>Dr-Ing Nensi Golda Yuli S.T., M.T.</b> Jury Dr-Ing Putu Ayu Pramanasari A. S.T., M.A</p>	<p>Student Name <b>Deni Ridwan Daru</b> 14512019</p>	<p>Drawing title <b>ASSEMBLY POINT</b> Scale 1:150</p>	<p>Number of page Page number 22</p>
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**EMERGENCY PATH**  
1:150


 <p>Department of Architecture Faculty of Civil Engineering and Planning Universitas Islam Indonesia</p>	<p>Note</p>	<p>Project name Bachelor Final Project <b>COLLABORATIVE VERTICAL HOUSING IN BREMEN, GERMANY</b> Hohweg, 28219 Bremen, Germany</p>	<p>Supervisor <b>Dr-Ing Nensi Golda Yuli S.T., M.T.</b> Jury Dr-Ing Putu Ayu Pramanasari A. S.T., M.A</p>	<p>Student Name <b>Deni Ridwan Daru</b> 14512019</p>	<p>Drawing title <b>EMERGENCY PATH</b> Scale 1:150</p>	<p>Number of page Page number 23</p>
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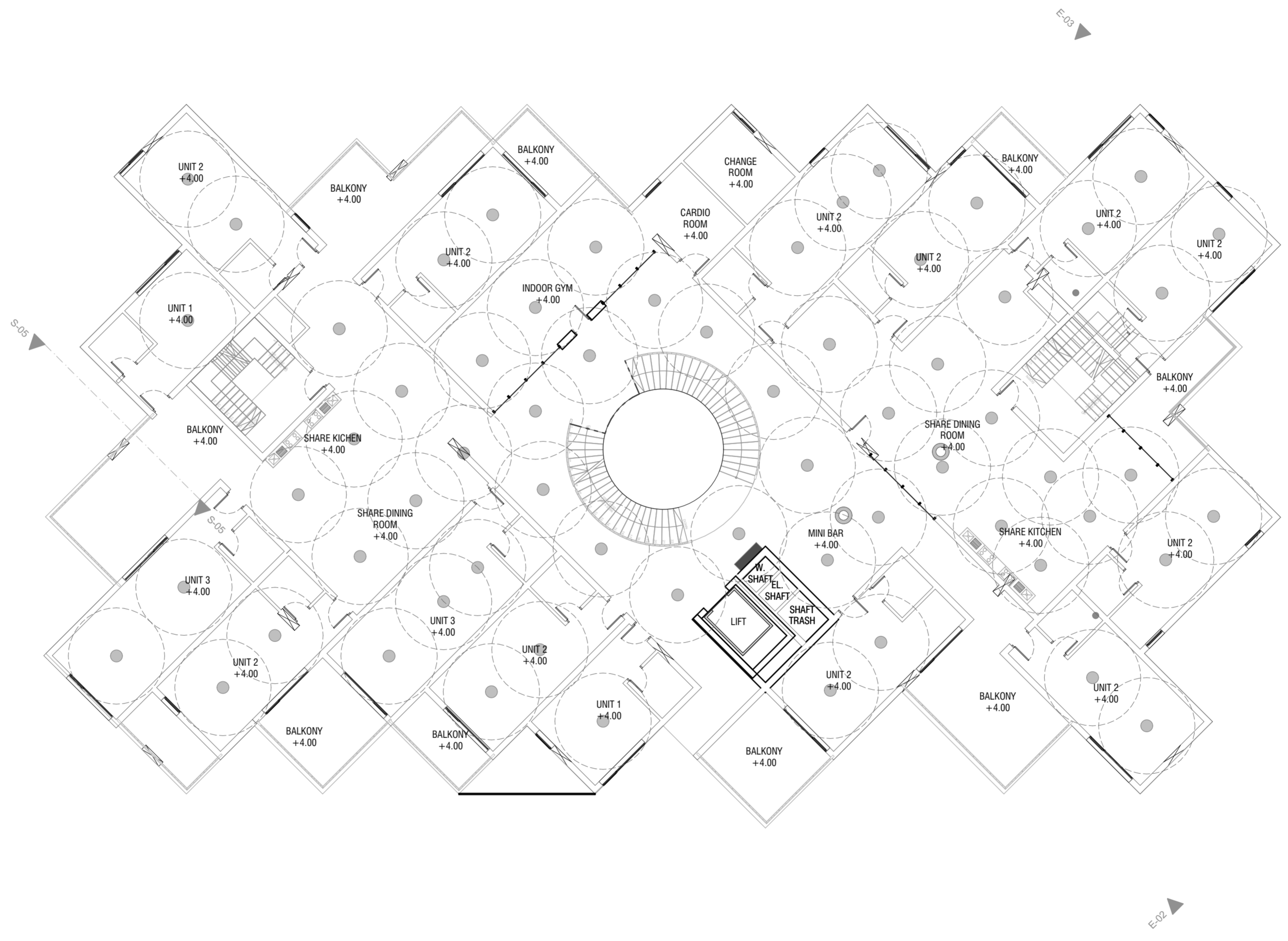


- | SYMBOL | NOTES          |
|--------|----------------|
|        | SMOKE DETECTOR |
|        | SPRINKLER      |
|        | HYDRANT BOX    |
|        | FIRE HYDRANT   |

**FIRE PROTECTOR GF**


1:150

 <p>Department of Architecture Faculty of Civil Engineering and Planning Universitas Islam Indonesia</p>	<p>Note</p>	<p>Project name Bachelor Final Project <b>COLLABORATIVE VERTICAL HOUSING IN BREMEN, GERMANY</b> Hohweg, 28219 Bremen, Germany</p>	<p>Supervisor <b>Dr-Ing Nensi Golda Yuli S.T., M.T.</b> Jury Dr-Ing Putu Ayu Pramanasari A. S.T., M.A</p>	<p>Student Name <b>Deni Ridwan Daru 14512019</b></p>	<p>Drawing tittle <b>FIRE PROTECTOR GF</b> Scale 1:150</p>	<p>Number of page Page number <b>24</b></p>
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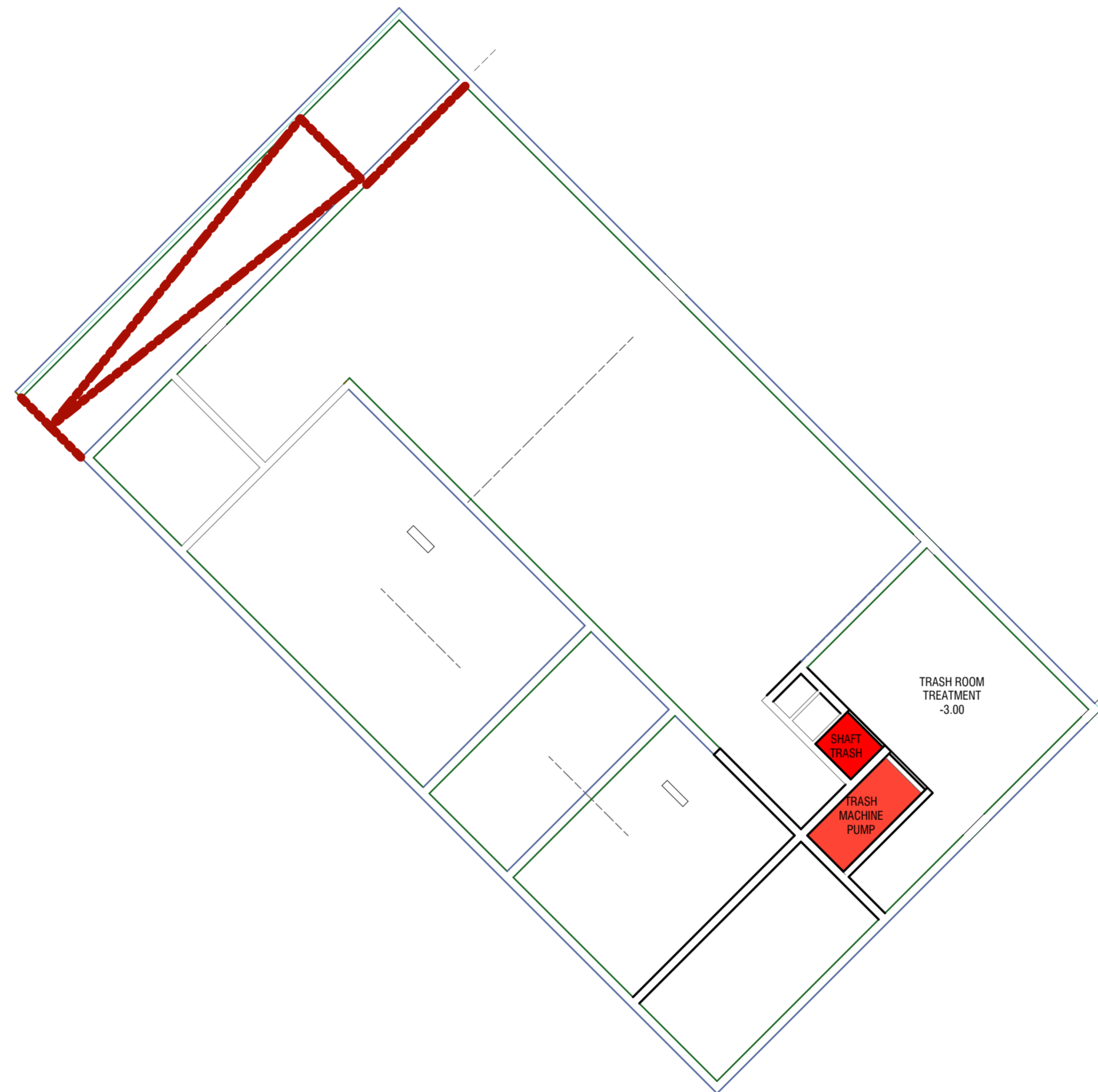


- | SYMBOL | NOTES          |
|--------|----------------|
|        | SMOKE DETECTOR |
|        | SPRINKLER      |
|        | HYDRANT BOX    |
|        | FIRE HYDRANT   |

**FIRE PROTECTOR TYPICAL**  
1:150

 Department of Architecture Faculty of Civil Engineering and Planning Universitas Islam Indonesia	Note	Project name <b>Bachelor Final Project</b> <b>COLLABORATIVE VERTICAL HOUSING</b> <b>IN BREMEN, GERMANY</b> Hohweg, 28219 Bremen, Germany	Supervisor <b>Dr-Ing Nensi Golda Yuli S.T., M.T.</b> Jury Dr-Ing Putu Ayu Pramanasari A. S.T., M.A	Student Name <b>Deni Ridwan Daru</b> <b>14512019</b>	Drawing title <b>FIRE PROTECTOR TYPICAL</b> Scale <b>1:150</b>	Number of page Page number <b>25</b>
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**TRASH SCHEMATIC  
BASEMENT**



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14512019**

Drawing title

**TRASH SCHEMATIC BASEMENT**

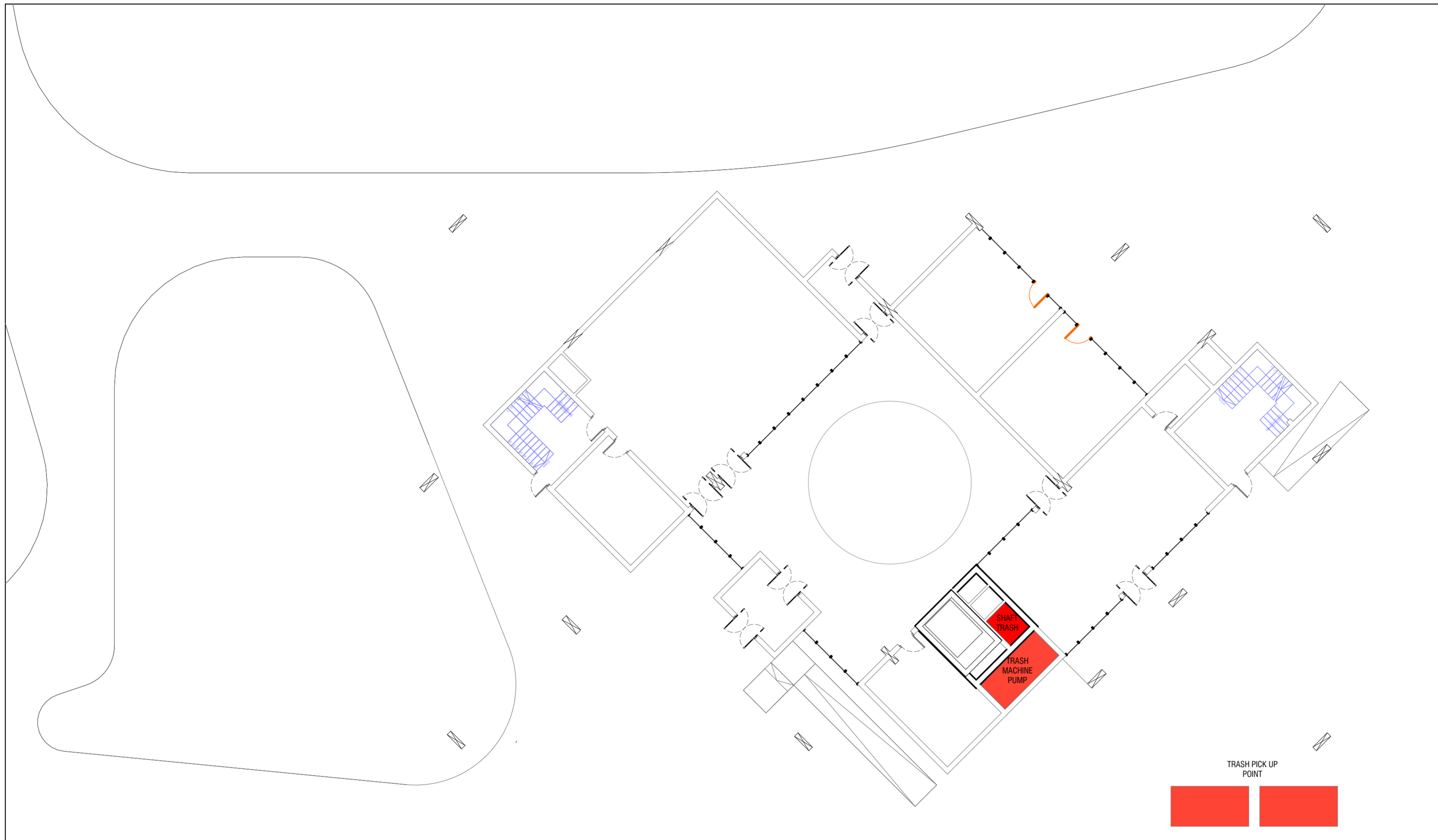
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**1:150**

Number of page


Page number

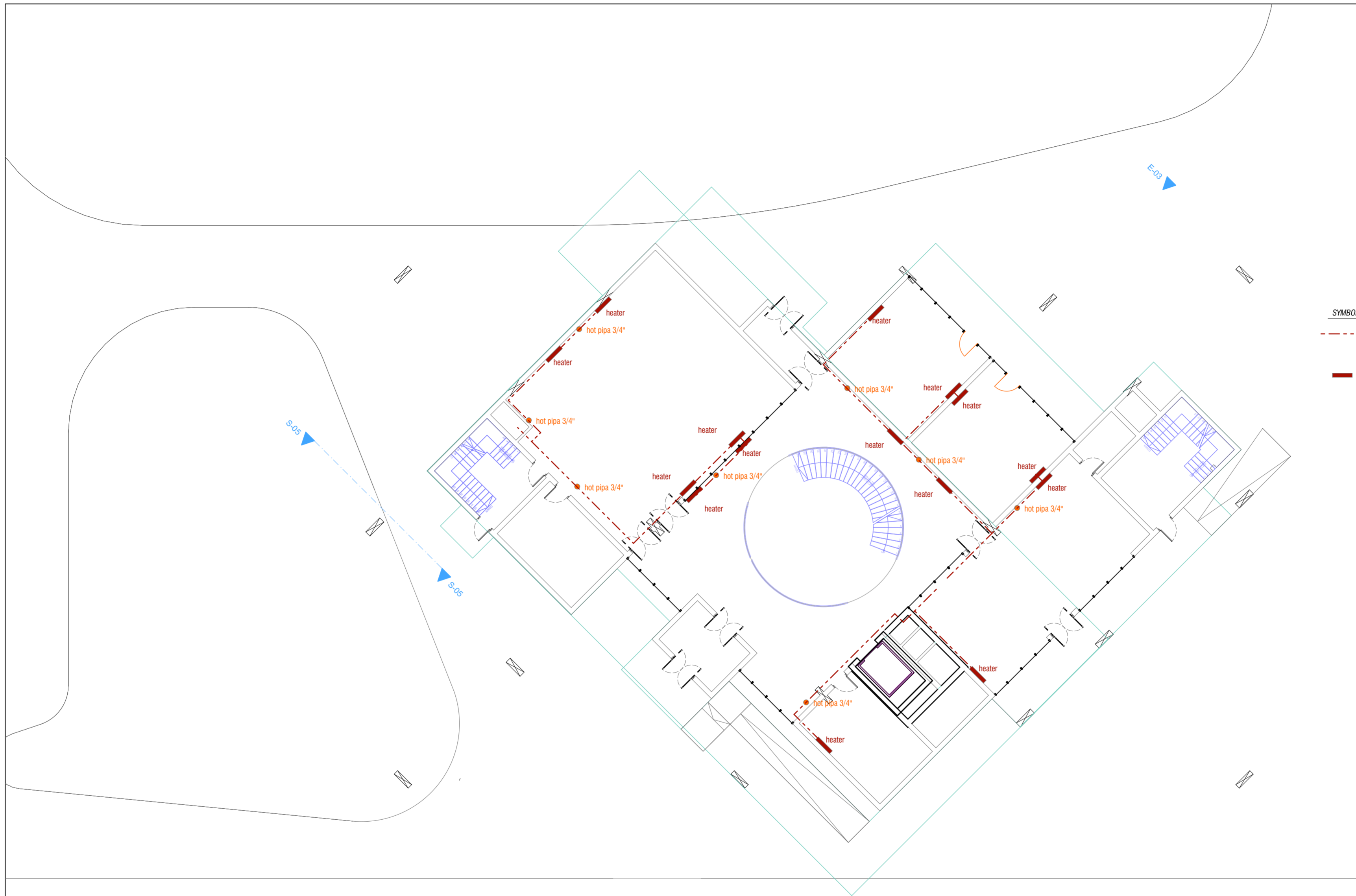
**26**



**TRASH PATH GROUND**

1:150


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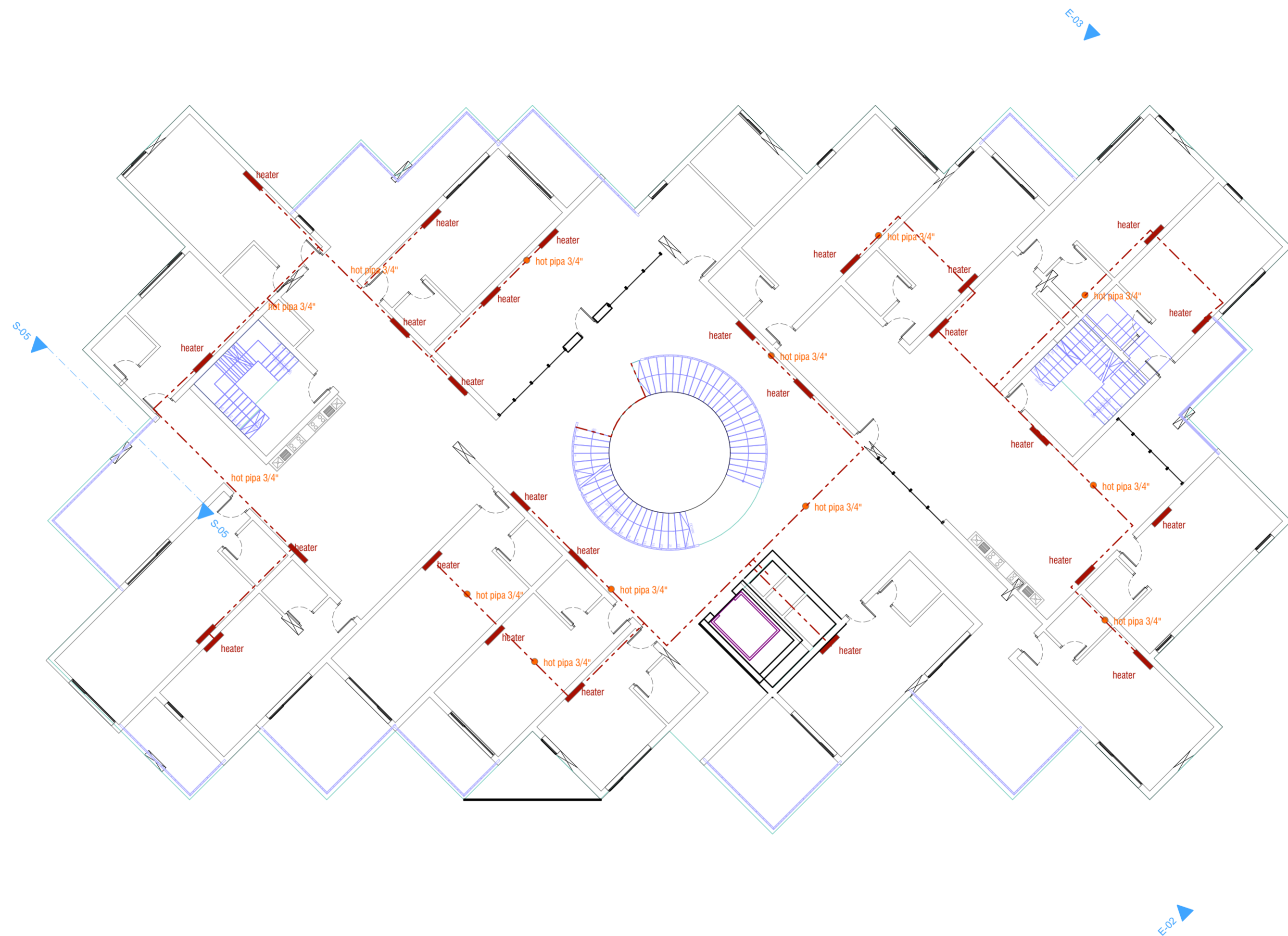


SYMBOL	NOTES
---	HOT PIPA d.3/4"
—	HEATER TRANSFER

**SCHEMATIC HEATER GF**

1:150

 <p>Department of Architecture Faculty of Civil Engineering and Planning Universitas Islam Indonesia</p>	<p>Note</p>	<p>Project name <b>Bachelor Final Project COLLABORATIVE VERTICAL HOUSING IN BREMEN, GERMANY</b> Hohweg, 28219 Bremen, Germany</p>	<p>Supervisor <b>Dr-Ing Nensi Golda Yuli S.T., M.T.</b> Jury Dr-Ing Putu Ayu Pramanasari A. S.T., M.A</p>	<p>Student Name <b>Deni Ridwan Daru 14512019</b></p>	<p>Drawing title <b>SCHEMATIC HEATER GF</b> Scale 1:150</p>	<p>Number of page Page number <b>28</b></p>
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SYMBOL	NOTES
	HOT PIPA d.3/4"
	HEATER TRANSFER

**SCHEMATIC HEATER TPL 1**

1:150



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**SCHEMATIC HEATER TPL 1**

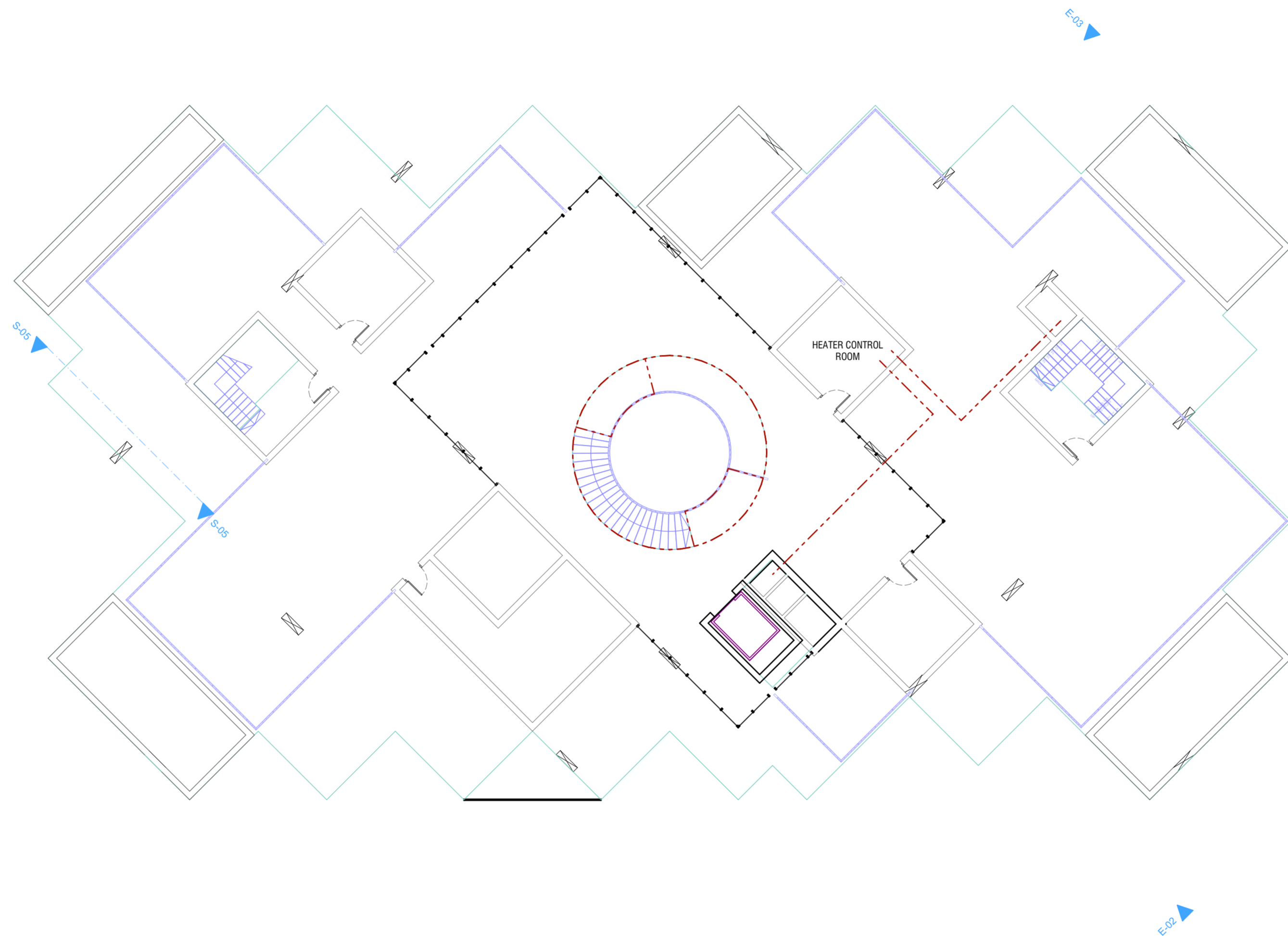
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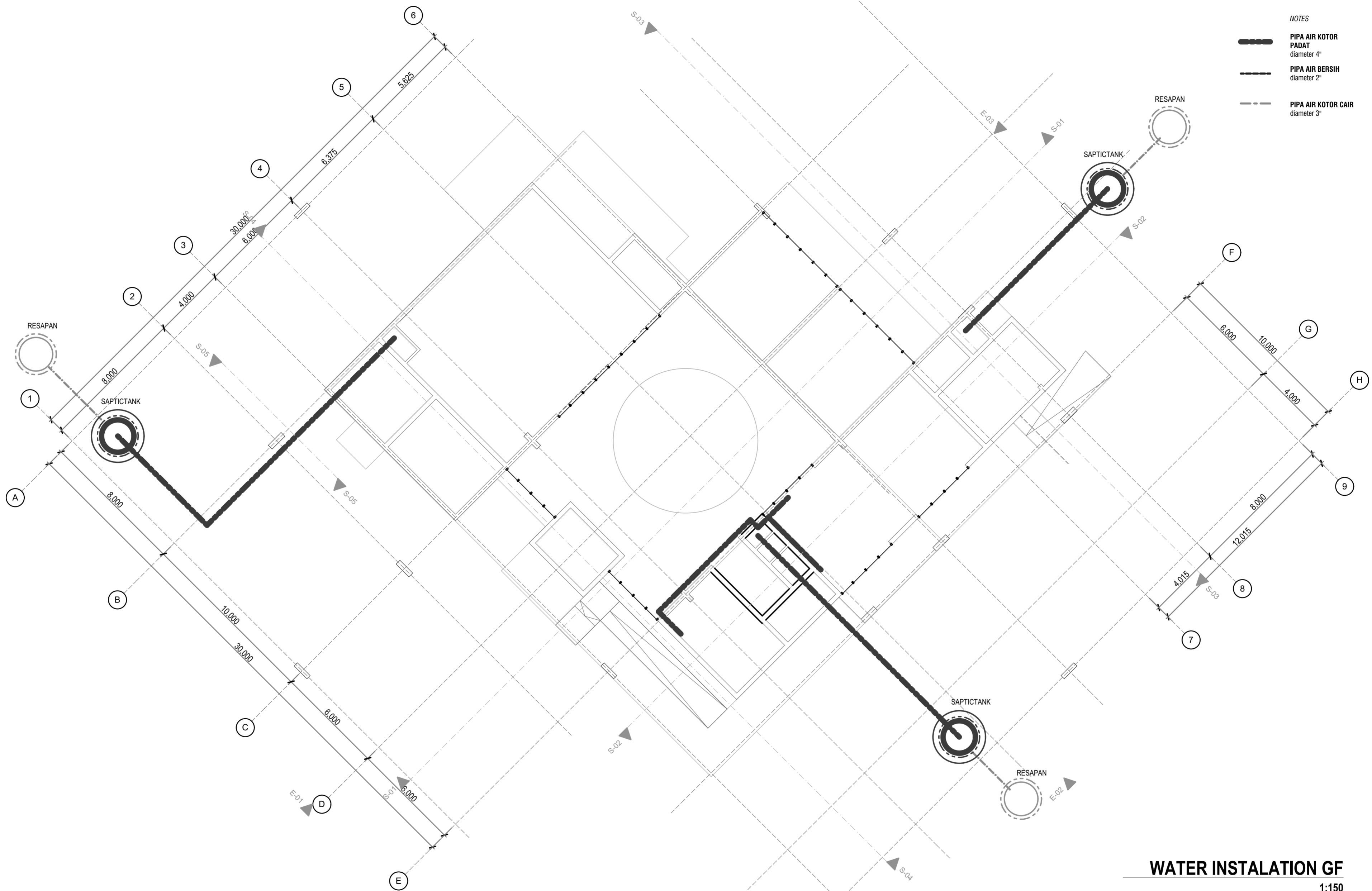
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29




**SCHEMATIC HEATER TPL 1**  
1:150

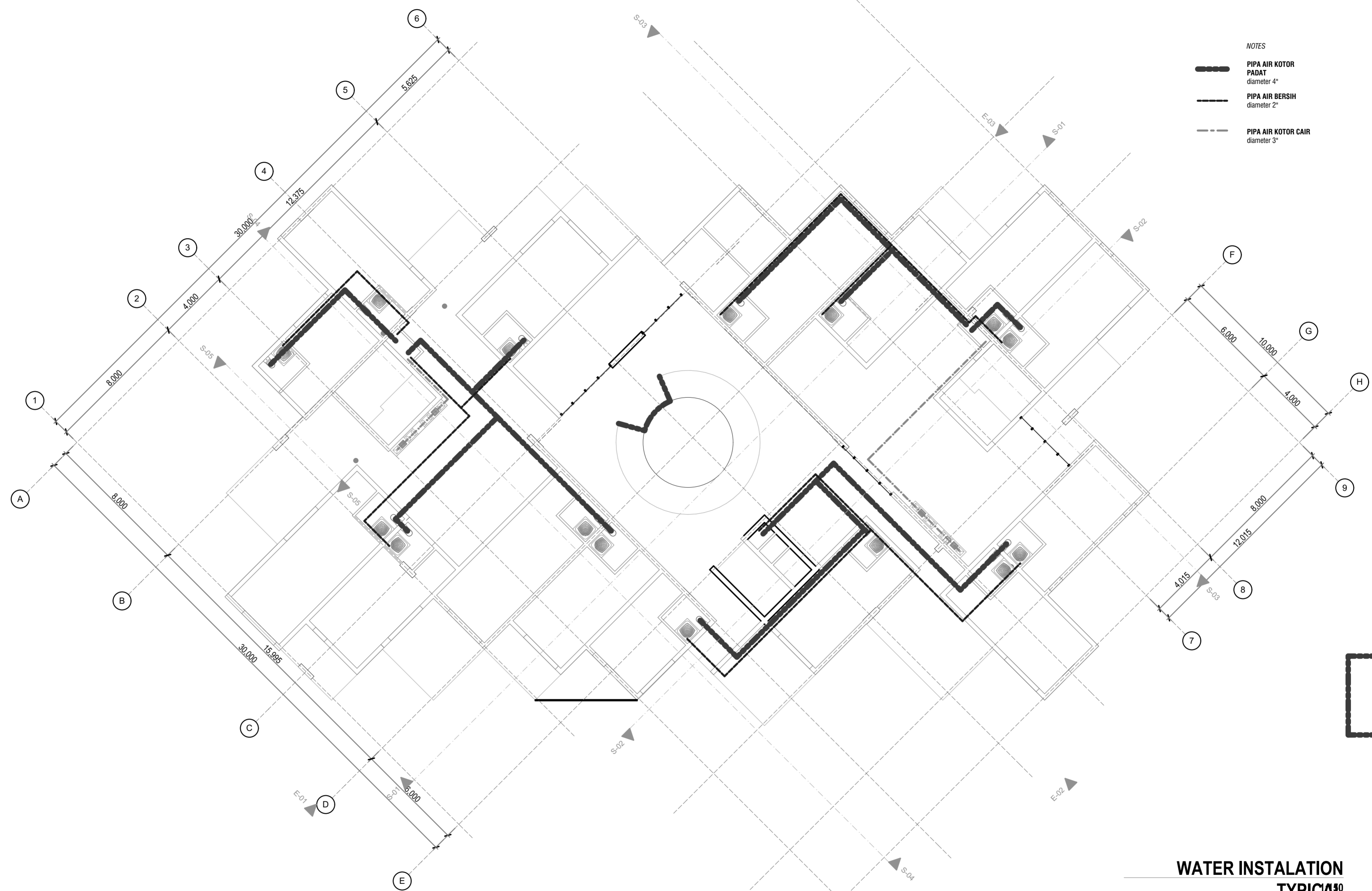
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- NOTES
- PIPA AIR KOTOR PADAT diameter 4"
  - PIPA AIR BERSIH diameter 2"
  - PIPA AIR KOTOR CAIR diameter 3"


**WATER INSTALATION GF**  
1:150

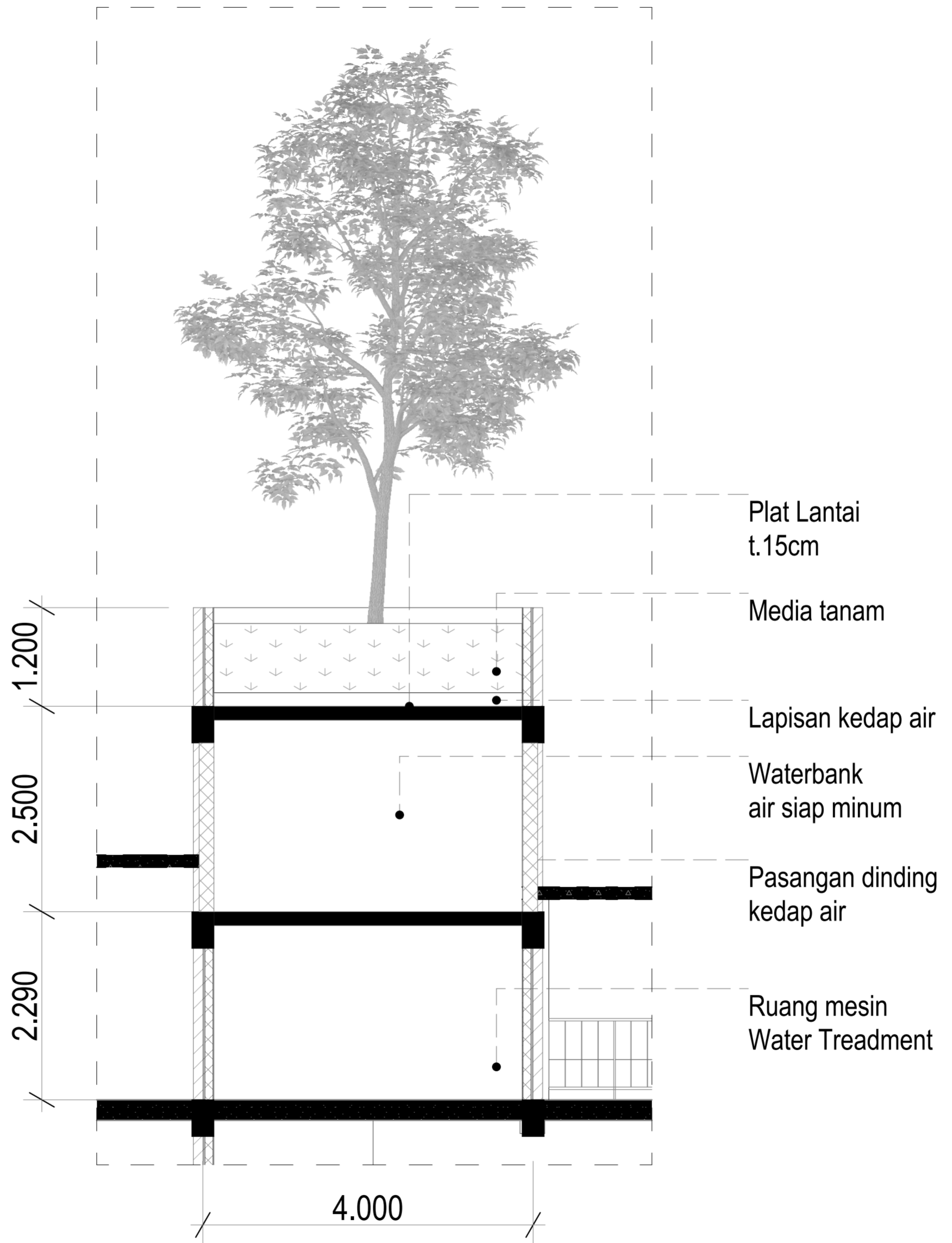
 Department of Architecture Faculty of Civil Engineering and Planning Universitas Islam Indonesia	Note	Project name Bachelor Final Project <b>COLLABORATIVE VERTICAL HOUSING          IN BREMEN, GERMANY</b> Hohweg, 28219 Bremen, Germany	Supervisor <b>Dr-Ing Nensi Golda Yuli S.T., M.T.</b> Jury Dr-Ing Putu Ayu Pramanasari A. S.T., M.A	Student Name <b>Deni Ridwan Daru</b> 14512019	Drawing title <b>WATER INSTALATION GF</b> Scale 1:150	Number of page Page number 31
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- NOTES
- PIPA AIR KOTOR PADAT**  
diamater 4"
  - PIPA AIR BERSIH**  
diamater 2"
  - PIPA AIR KOTOR CAIR**  
diamater 3"

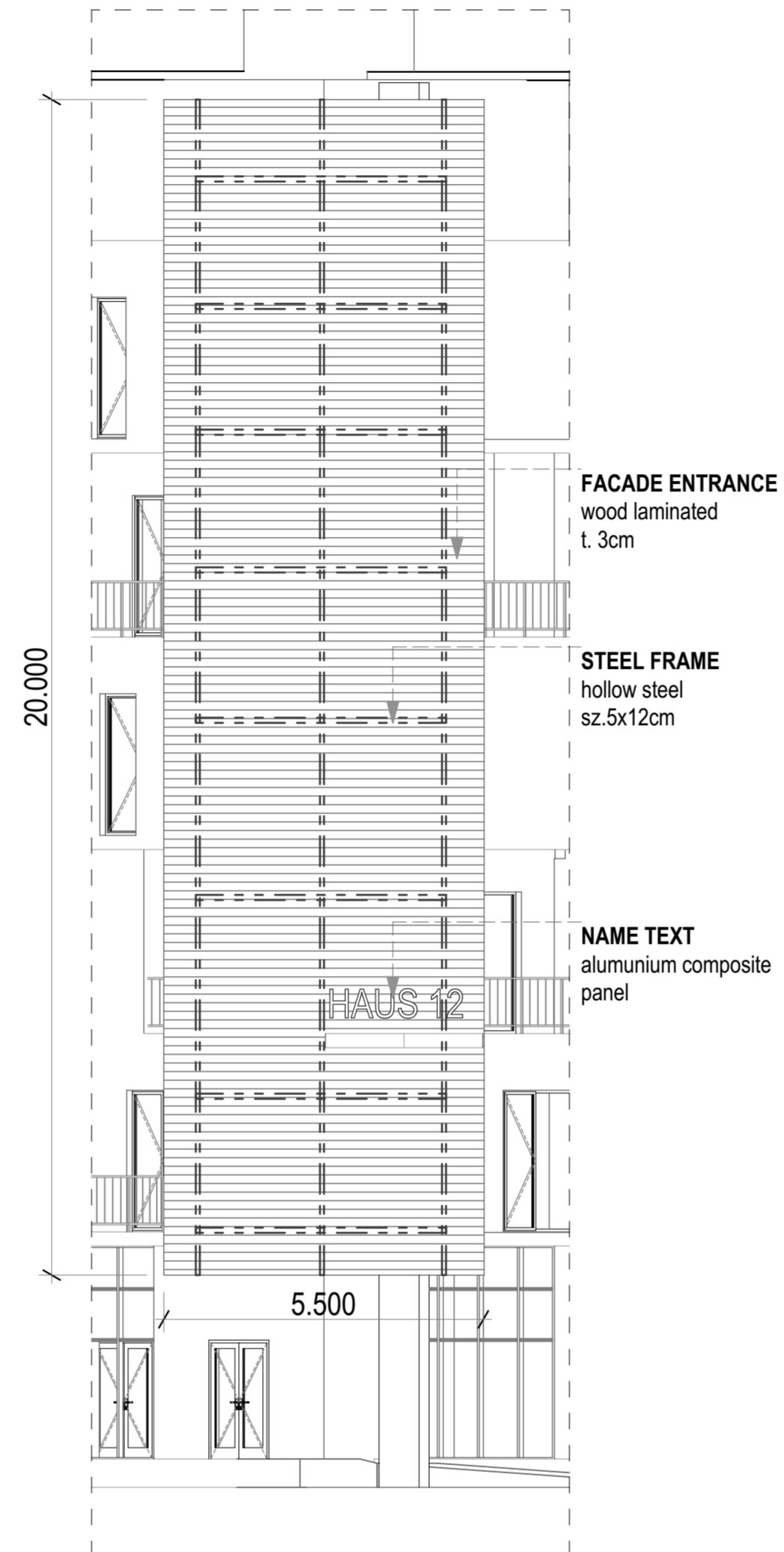
**WATER INSTALATION  
TYPICAL**

 <p>Department of Architecture Faculty of Civil Engineering and Planning Universitas Islam Indonesia</p>	<p>Note</p>	<p>Project name Bachelor Final Project <b>COLLABORATIVE VERTICAL HOUSING IN BREMEN, GERMANY</b> Hohweg, 28219 Bremen, Germany</p>	<p>Supervisor <b>Dr-Ing Nensi Golda Yuli S.T., M.T.</b> Jury Dr-Ing Putu Ayu Pramanasari A. S.T., M.A</p>	<p>Student Name <b>Deni Ridwan Daru</b> 14512019</p>	<p>Drawing title <b>WATER INSTALATION TYPICAL</b></p> <p>Scale 1:150</p>	<p>Number of page Page number 32</p>
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**DETAIL SECTION ROOF**  
1:50





**FACADE DETAIL**

1:100



Department of Architecture  
Faculty of Civil Engineering and Planning  
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Jury  
Dr-Ing Putu Ayu Pramanasari A. S.T., M.A

Student Name  
**Deni Ridwan Daru  
14512019**

Drawing title

**FACADE DETAIL**

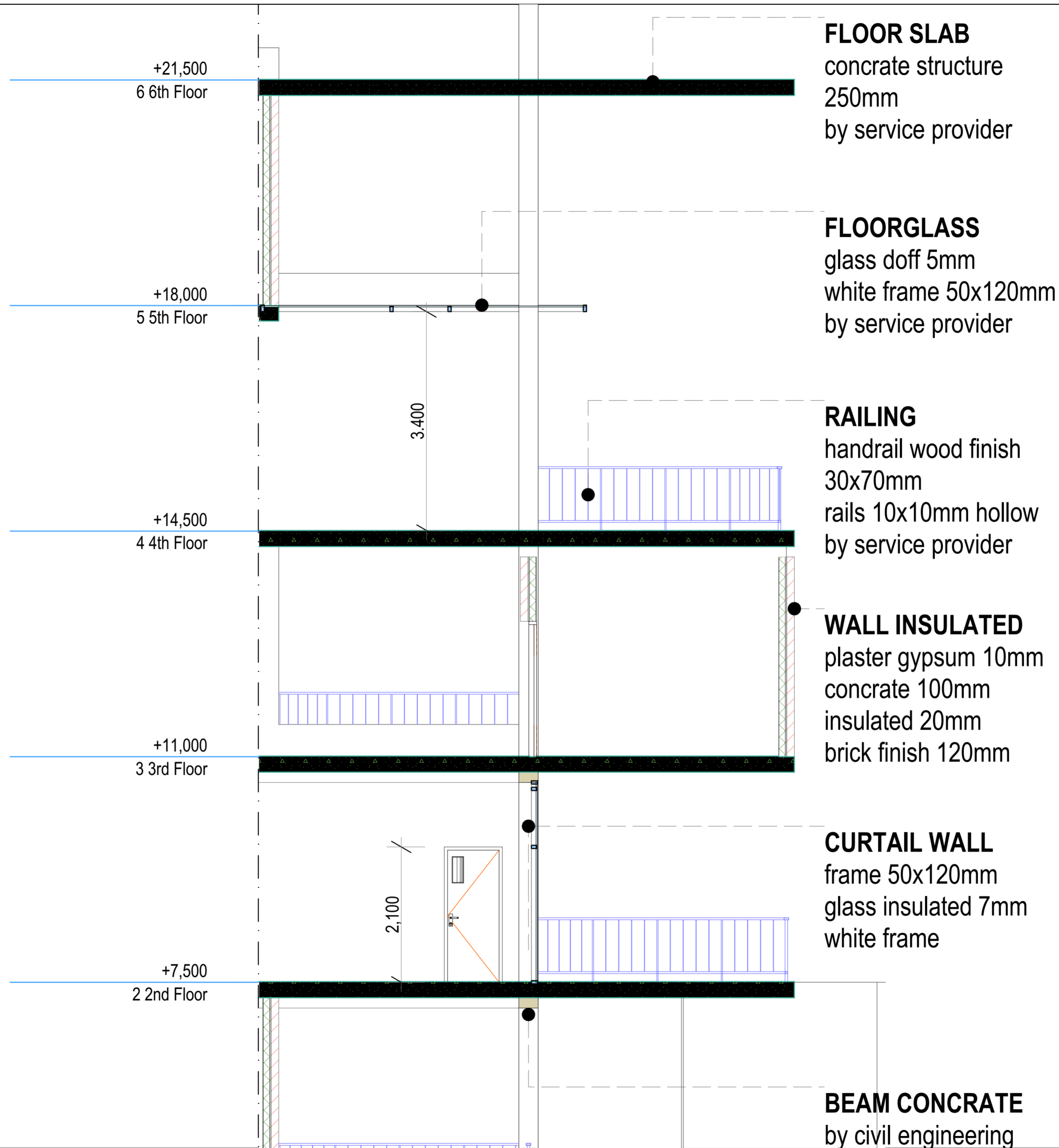
Scale

1:100

Number of page

Page number

34



**PARTIAL SECTION S-06**  
1:50



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14512019

Drawing title

**PARTIAL SECTION S-06**

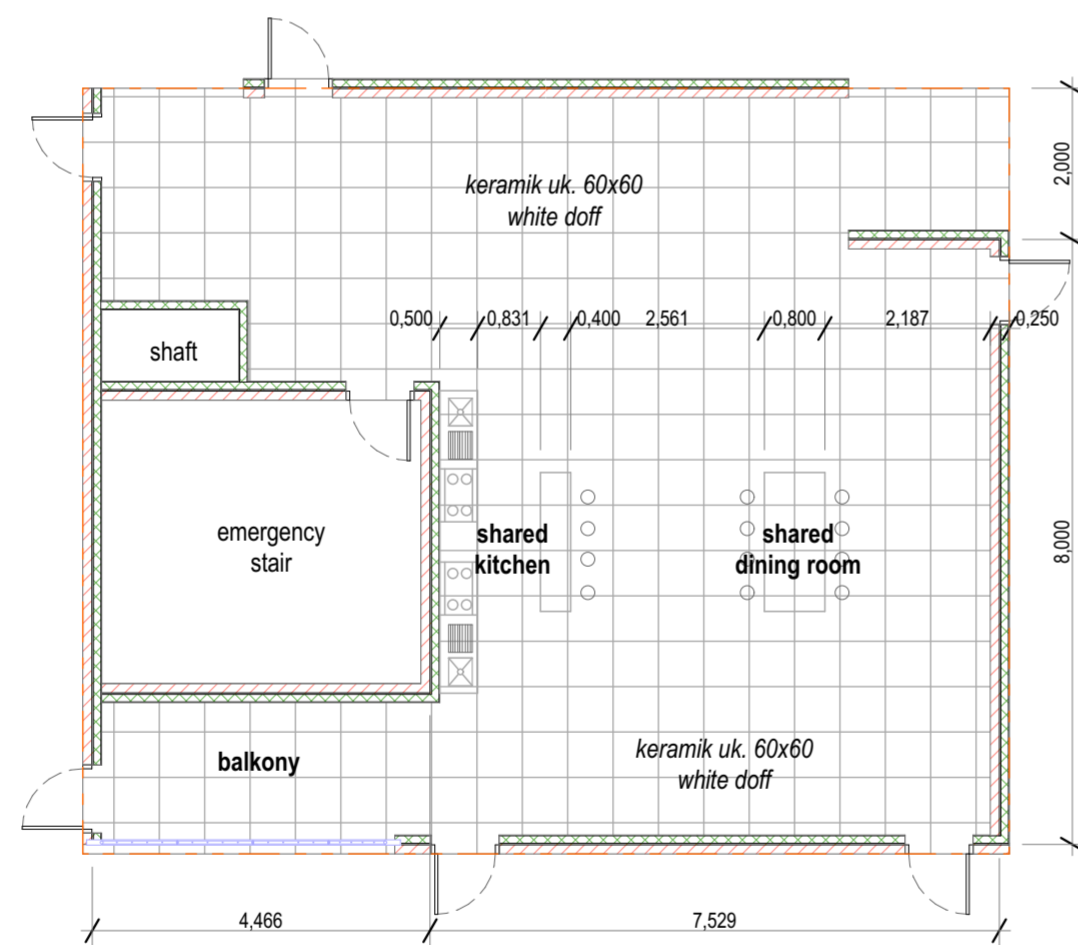
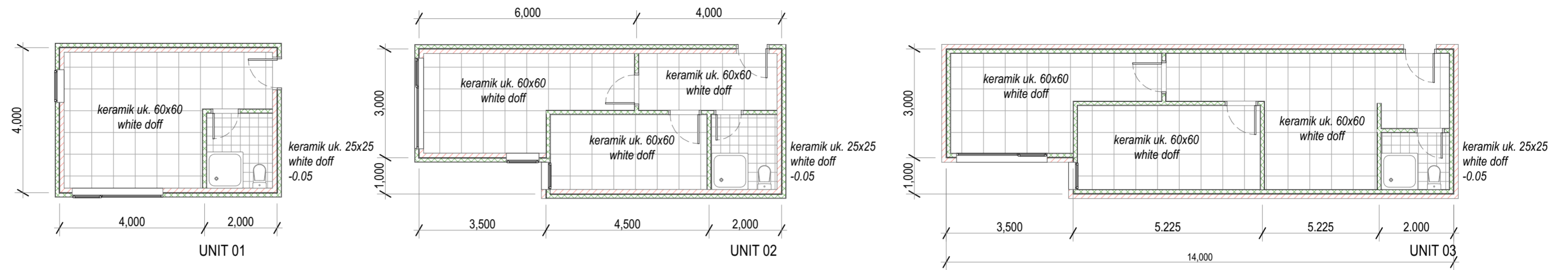
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1:50

Number of page

Page number

35



DETAIL COLLABORATIVE AREA

**DETAIL PARTIAL**

1:100



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Faculty of Civil Engineering and Planning  
Universitas Islam Indonesia

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Project name  
Bachelor Final Project  
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**DETAIL PARTIAL**

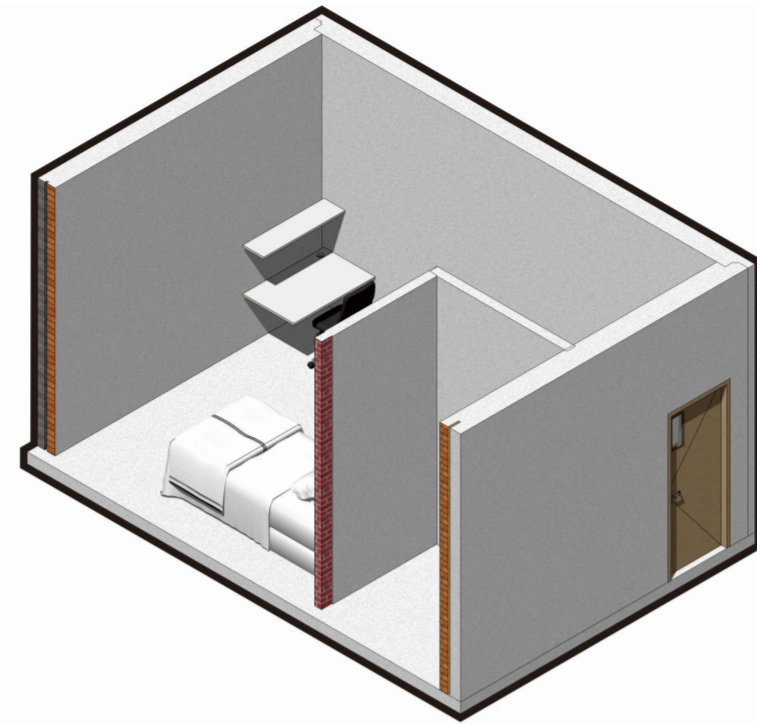
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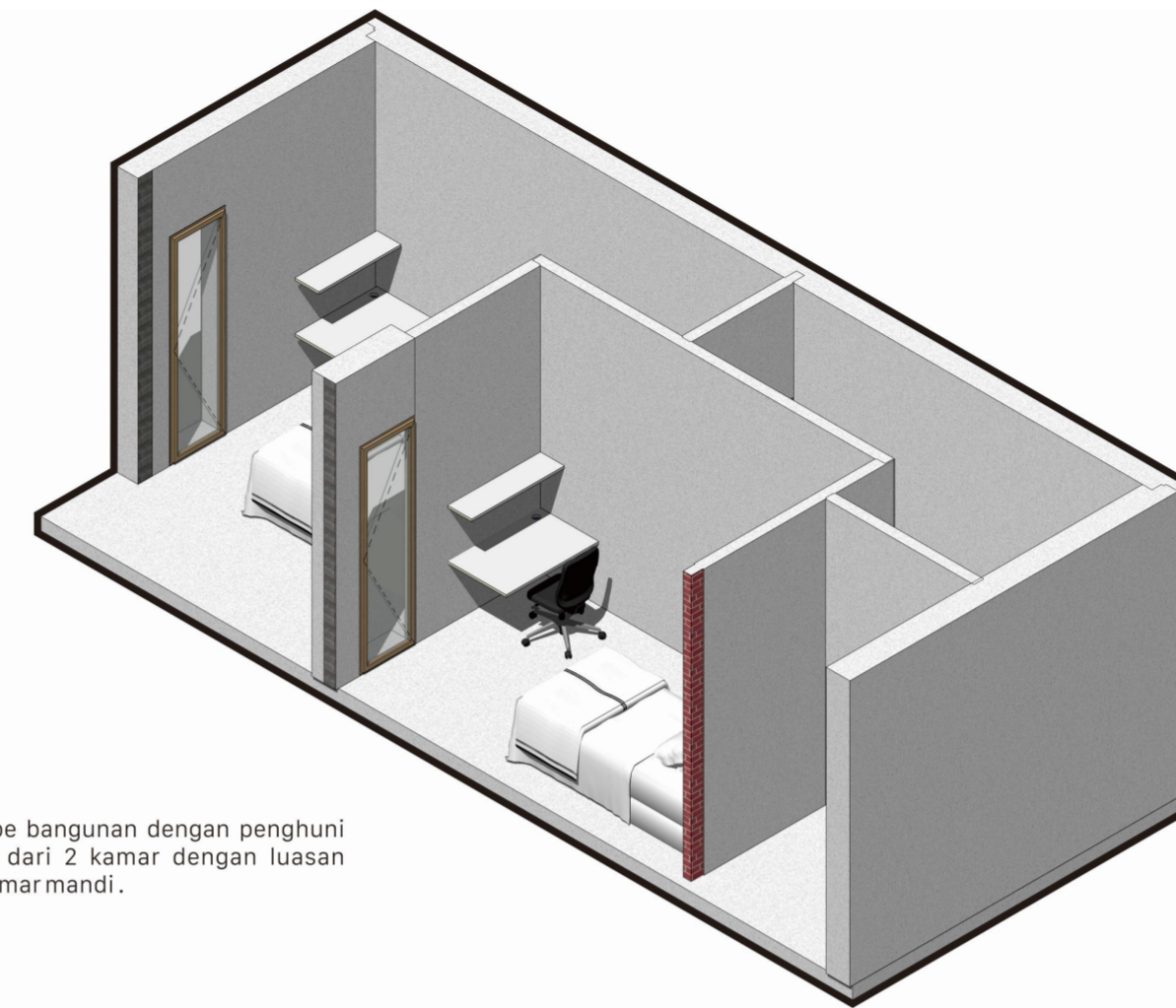
Page number

36



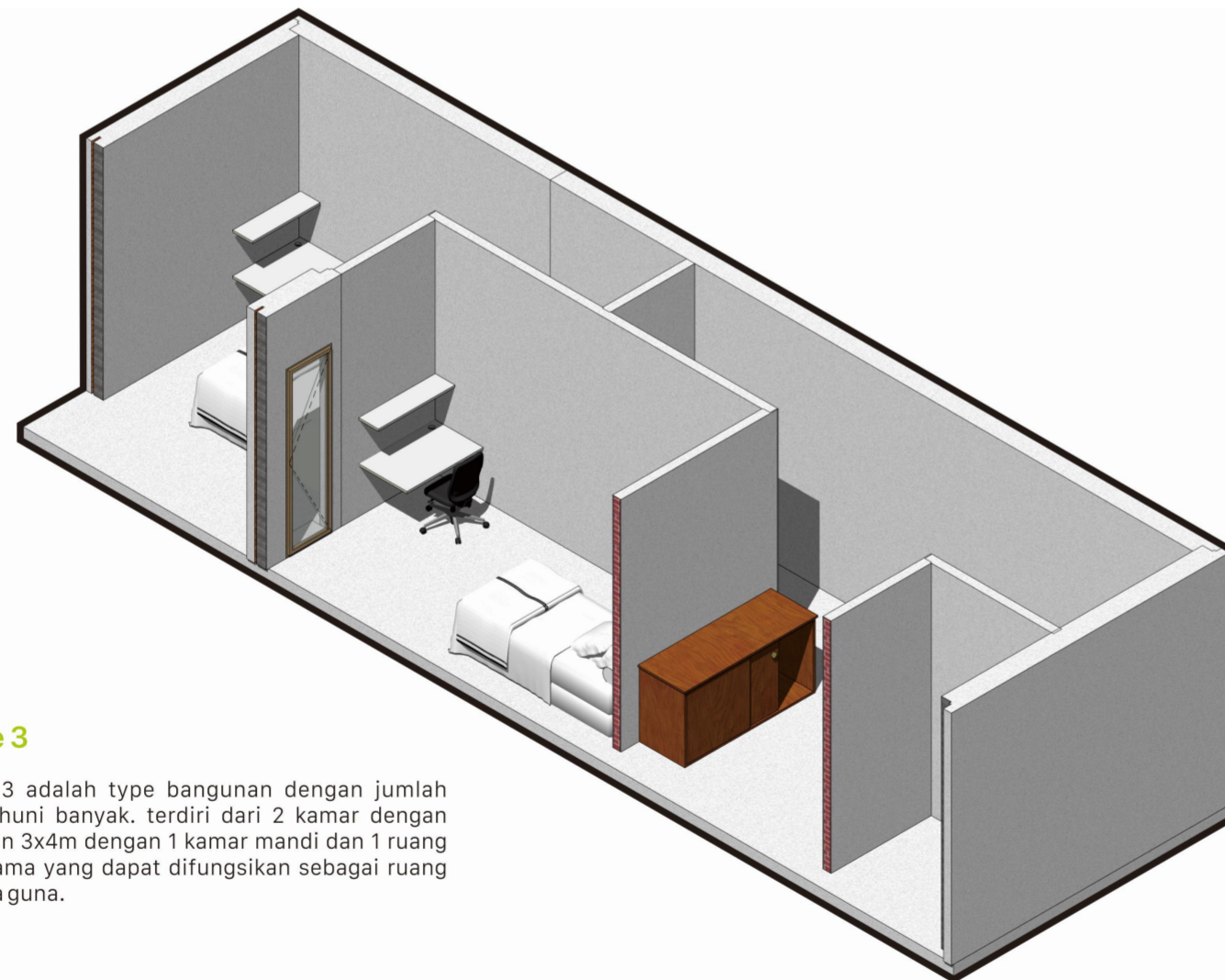
**type 1**

Unit 1 adalah type bangunan dengan jumlah penghuni banyak, terdiri dari 1 kamar dengan luasan 4x4m dengan 1 kamar mandi didalamnya.



**type 2**

Unit 2 adalah type bangunan dengan penghuni keluarga, terdiri dari 2 kamar dengan luasan 3x4m dengan 1 kamar mandi.



**type 3**

Unit 3 adalah type bangunan dengan jumlah penghuni banyak, terdiri dari 2 kamar dengan luasan 3x4m dengan 1 kamar mandi dan 1 ruang bersama yang dapat difungsikan sebagai ruang serba guna.

**RENDERING**

1:75



Department of Architecture  
Faculty of Civil Engineering and Planning  
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**RENDERING**

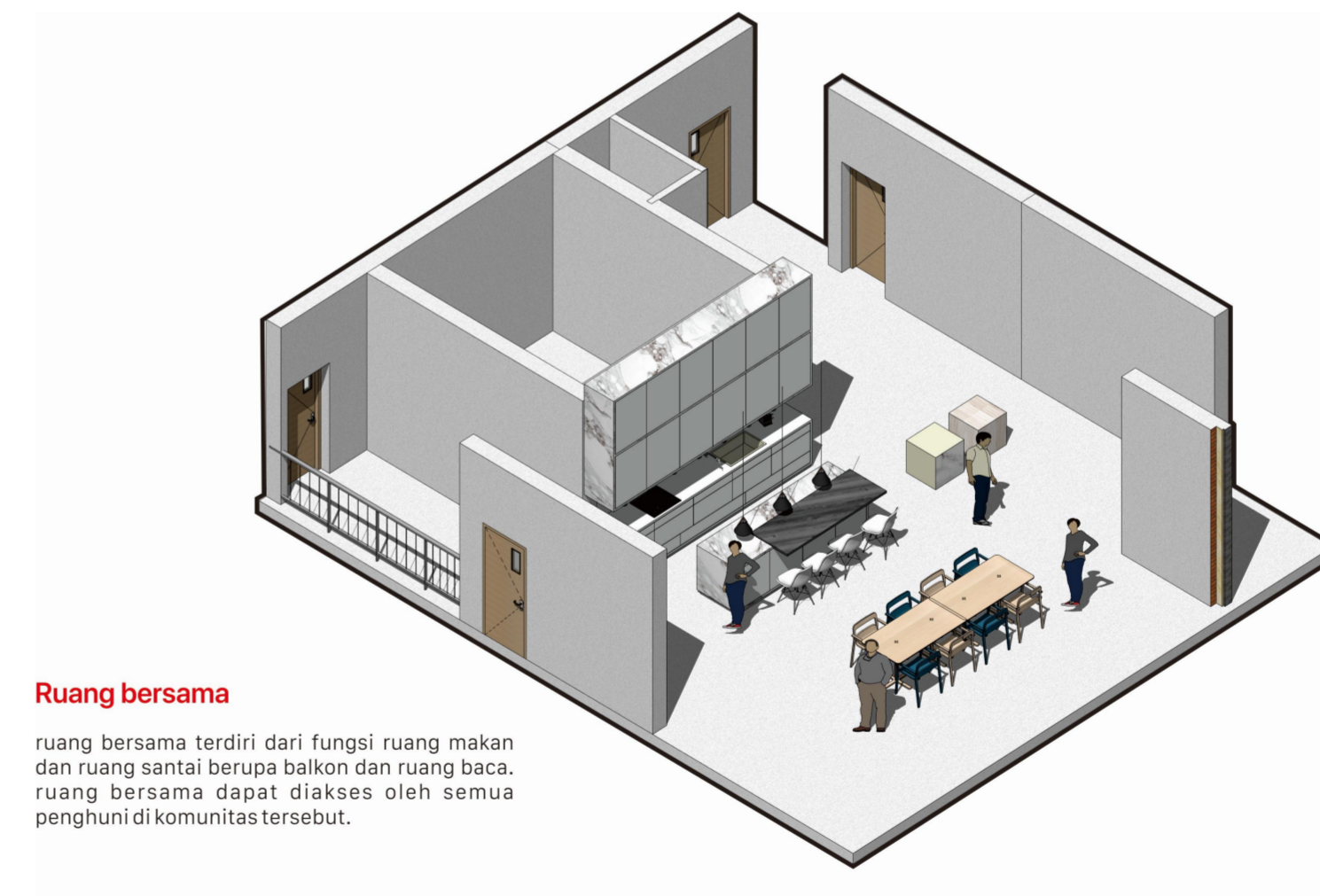
Scale

1:75

Number of page

Page number

37



**Ruang bersama**

ruang bersama terdiri dari fungsi ruang makan dan ruang santai berupa balkon dan ruang baca. ruang bersama dapat diakses oleh semua penghuni di komunitas tersebut.

**RENDERING**

1:140



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**RENDERING**

Scale

**1:140**

Number of page

Page number

**38**



Department of Architecture  
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**RENDERING**

Scale

**1:140**

Number of page

Page number

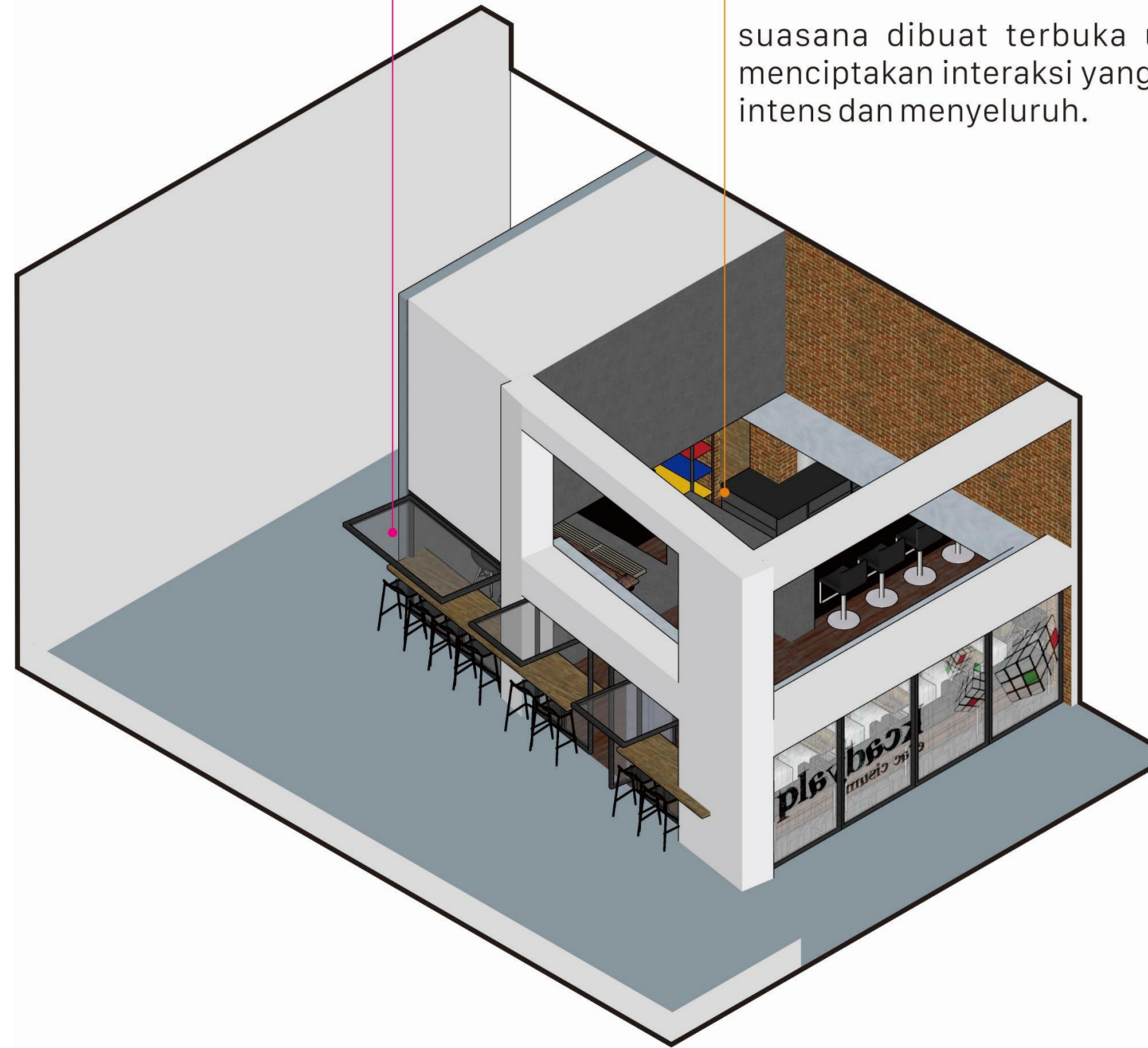
**39**

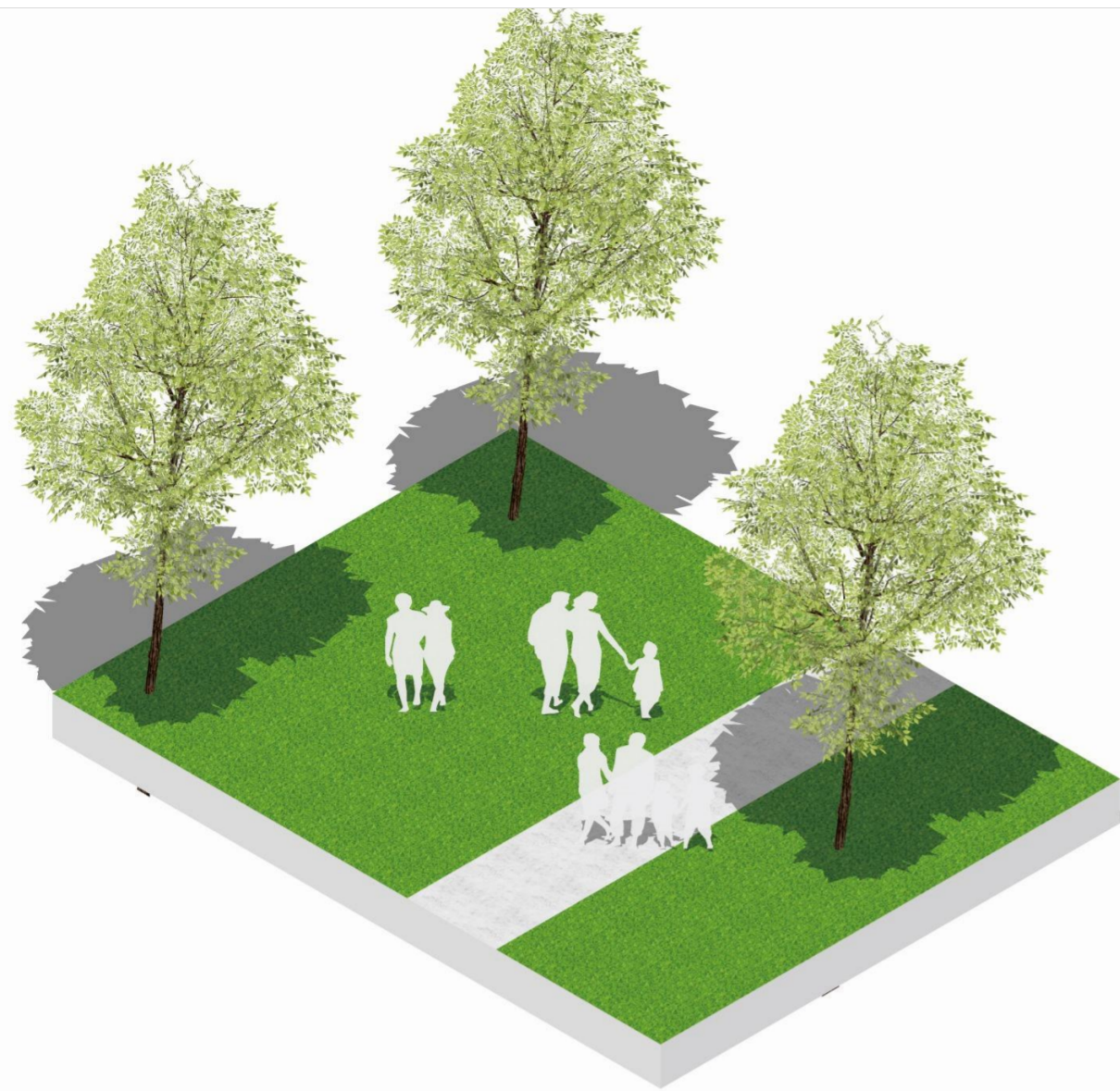
### ruang bersama

bukaan difungsikan sebagai bagian dari ruang dalam sehingga menarik penghuni untuk datang.

### ruang dalam

suasana dibuat terbuka untuk menciptakan interaksi yang lebih intens dan menyeluruh.





### OPEN AREA

area outdoor yang dibuat terbuka tanpa furniture tambahan sehingga memaksimalkan ruang untuk aktifitas.



### GATHERING AREA

area outdoor yang dibuat dengan furniture tambahan sehingga memaksimalkan ruang untuk aktifitas berkumpul.



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**RENDERING**

Scale

1:75

Number of page

Page number

41