



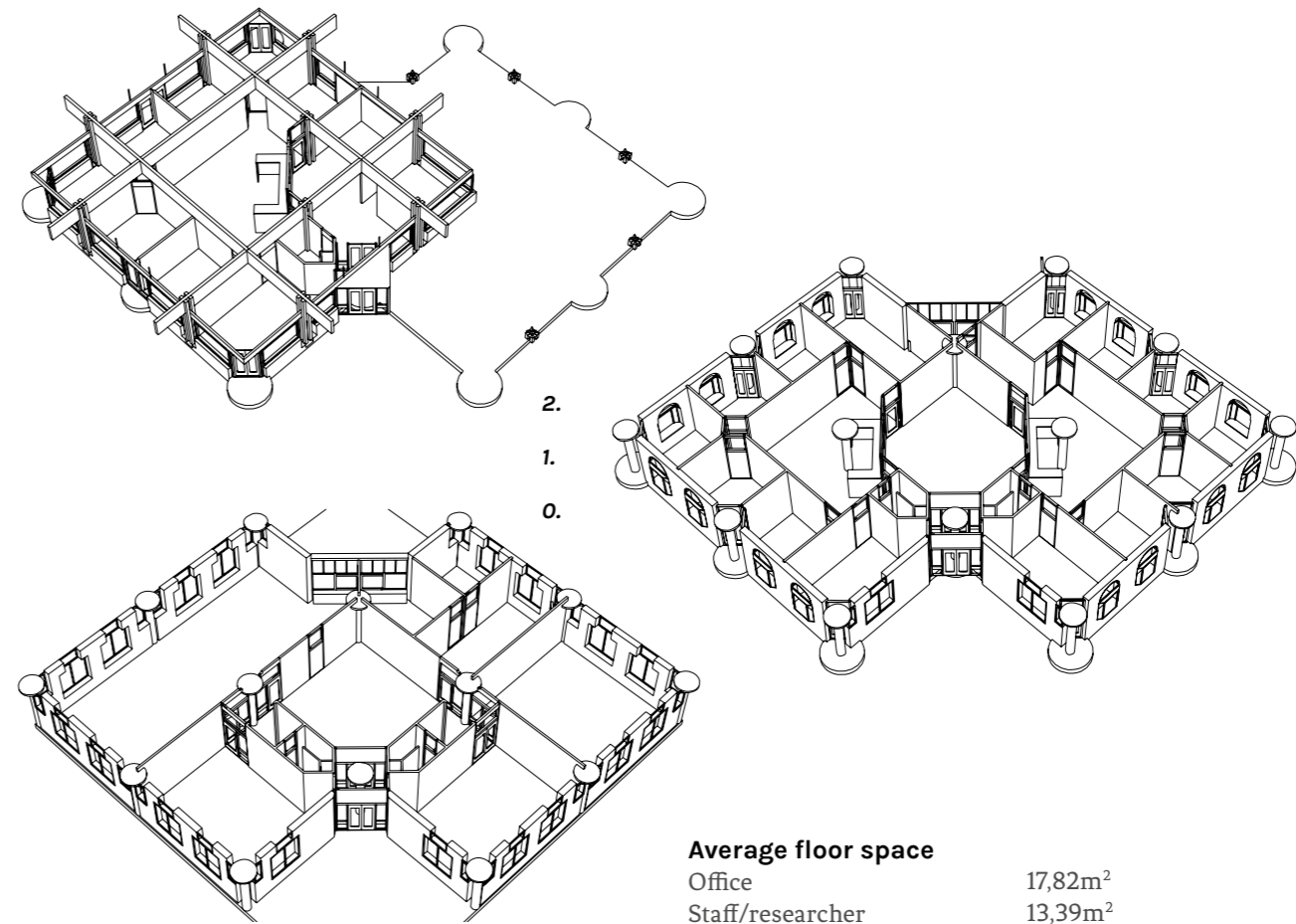
The Future of Structuralism
Transformation of the
Leiden Faculty of Languages and Cultures
Jeroen Moerman

**a
new
faculty**

Existing

Spaces, users, and problems

Interior		Students	
Rooms 10-15 m ²	233	Bachelor	150-200
Rooms 16-70 m ²	65	Master	150
Rooms 100 m ²	4	Research	50
Canteen 125 m ²	1	Total	400
Library & NINO	750m ²	Staff	
Total	17.000m²	Academic staff	100
Garage south	5.500m ²	Affiliated researchers	30
Garage North	3.000m ²	Support staff	10
Total (garages)	8.500m²	PhD	120
		Total	260
		Office users	310



Possible projection

Students	
Bachelor	150 > 250
Master	150 > 225
Research	50 > 75
Total	400 > 550
Staff	
Academic staff	100 > 150
Affiliated researchers	30 > 45
Support staff	10 > 15
PhD	120 > 180
Total	390
Office users	465

Average floor space	
Office	17,82m ²
Staff/researcher	13,39m ²

The new faculty

Demands and use

Users

The building will host up to 400 students, mostly Dutch but with the possibility of 100 foreign students in the master and research groups. As well around 260 professors, post-doc researchers and support staff use the building on a daily basis.

The professors and researchers spend a significant portion of their time on literature research in their offices, which makes the places a strong presence and identity in their work habit and environment. They have their own spot where they need to be able to store books they are using and leave paperwork and computers overnight for everyday use.

The students can work in study groups on set places for periods, but they do not own their individual spots within the building. They require working spaces within the faculty and easy accessibility to the central and faculty's library. With different courses from different professors especially the bachelor students will have to move around the faculty occasionally. All lectures and lessons have to be within the two clusters of the faculty, with similar functions preferably bound close to each other so that students and professors do not need to move between clusters often.

Use

The use of the building needs to change radically. The classical layout of individual offices in the current situation needs to change into a modern faculty with shared spaces, work-group environments and open study spaces. This includes seven set aspects.

1. The individual offices for professors and university staff will be replaced with work-group spaces for 6-12 people. These spaces are focused on creating a shared environment for professors from the same department where they work together, have shared storage space with access to documents and sources of their shared interest and which they can regard as a shared semi-private space only accessible by their work group. Professors have their own desk and cabinet but share utilities like toilets and reading/discussion tables. Every work-group space has close access to 1-3 private discussion rooms. These are small rooms with space for two to four people to talk in private (for example a professor talking with a student about their grades).

2. The faculty is in dire need of open study spaces for students. There need to be publicly accessible studios for 30 to 50 students working at shared tables and desks. These studios need to be easy to find within the building with logical connections to central entrances and other

public functions, as well as a direct and clear routing to the central library building. The studios must vary in size and slightly in accessibility. The smallest studio spaces must be able to be closed off and to be used flexibly between open study spaces and designated project-group work spaces. The largest spaces must preferably be accessible in a broad time spectrum and thus be connected to a separate opened entrance when a large portion of the rest of the building is closed. All studios must have access to public bathrooms and coffee/printing corners.

3. The building needs to maintain the presence of medium sized meeting rooms usable for group discussions, small group lectures and meetings for external partners and visitors. These rooms must be spread out over the building as they serve the most general purpose. These rooms must be flexible with several of them easily accessible from the outside, also outside opening hours, thus needing separate entrances or access to these.

4. Lecture hall(s) are an absolute necessity. Students and professors need to be able to attend lectures in their own building at, preferably, all times. Both the south and north cluster need their own lecture room/hall so students and professors do not need to leave either building for minor lectures. At least one of these lecture rooms needs to be a centrally located hall with room for 200 people. This hall needs to be easily accessible from outside and needs entrances in both the front and back of the hall. Preferably the hall has its own entrance to outside for accessibility outside opening hours of the faculty but this is not absolutely necessary. If the second hall is smaller it needs to be able to host at least 50 people in the audience. It needs to be located with easy accessibility with the same preference for an outside connection.

5. The current cafeteria needs to be replaced by one that is up to modern standards. It has to facilitate both the north and south cluster yet can only be located in either one. Thus a good accessibility is of utmost necessity. The cafeteria needs outside space for seating and a service entrance with accessibility for trucks to unload supplies. If a direct outside connection to the other cluster is not possible then this cluster needs its own separate small substitute place that provides simple snacks and beverages which is manned by no more than one person. This spot will need to be directly connected to the entrance of said cluster. The main cafeteria does not need to be flexible in its use. It can be focused solely on facilitating eating and drinking spaces and does not need the possibility to host lectures or meetings. Yet preferably it is well connected to one of the main lecture halls.

6. The faculty's library and NINO institute are to be

absolutely maintained. They do need a modernization and can change their location within the building if necessary. Their floor space needs to be increased and they require better interior conditions for both the book stalls and the working/reading spots present. As well a direct connection to the main entrance of the hosting cluster needs to be established, with a separation inbetween consisting of no more than one hallway and one stairwell connection. 7. The parking garages need slight modernization, but mostly they need to stay. They can shrink or ultimately one of them can be abandoned to make room for other functions, but a minimum of 50% of the current parking capacity needs to be maintained. Importantly the connection to the building needs drastical improvement, with the requirement that the garage(s) are accessible from inside the building.

Connection to the city

The newly transformed faculty needs a clearer connection to both the central library and the rest of the campus towards the city center. To the library this connection can be a physical one, either through a connecting building part or through entrances that connect to each other. Towards the city this connection needs to be established through a clearer route along the different faculties, established as part of the sequence of squares present throughout the campus. As well the building needs to form more of a coherency to comply to the structure of the city.

Accessibility

The building is in essence one that complies with regular working hours. It is open on weekdays and generally closed during weekends. During the week it has broad opening hours to allow for students, professors, and researchers to shape their own preferred work day, and to allow for long days for students working up to exams or deadlines. As mentioned before several functions require separate entrances to allow them to be used outside regular hours. Preferably these functions share one entrance or are connected to an interior entrance within the entrance hallway, which, in this case, can be locked towards the rest of the building.

A strong demand is wheelchair-accessibility throughout

the entire building. Every function needs to be easily accessible for people with physical disabilities. Thus the building requires a setup of elevators in a central location with a direct connection to functions on every floor. As well every function within the separate clusters has to be reachable without going outside.

Floor space efficiency

An important aspect to the improvement of the building is a new use of the available floor space. The original idea of private offices and shared interior spaces (without daylight!) has to be abandoned and replaced with a more open environment and access to direct daylight for every function where people work or study. The current connectivity concept of connecting rooms through courtyards and a sequence of interior rooms has to be replaced with clear and understandable hallways both for the sake of efficiency, usability and connectivity.

Future development

The rooms available for meeting, working, and studying need a certain amount of flexibility to adapt to future changes in the use of the building. As well these rooms need to be adaptable to changes in layout of the different courses and professions throughout the building. This means that fixed furniture is preferably reserved for other functions and that rooms are neutrally shaped and furnished. The general layout of the building has to facilitate different ways of working and studying, and the connectivity throughout the building needs to be wide and account for excessive numbers of people in case of function changes or temporary events.



Supposed connection through the campus with regard to the existing squares

Four scenarios

1. Minimal users, minimal floor space

Functions	Amount (users)	Surface per user	Floor space in m ²	Totals
Work group offices				2.520
- working space	310	8	2.480	
- private discussion room	31 x 3,5	4	440	
Meeting rooms				1.000
- meeting room	200	4	800	
- irregular access room	50	4	200	
Open study spaces				1.400
- studio	150	6	900	
- open study hall	100	5	500	
Lecture halls				500
- main lecture hall	200	2	400	
- secondary hall	50	2	100	
Library				825
- library	-	-	500	
- NINO institute	-	-	250	
- work space	25	5	125	
Cafeteria				200
- main canteen	100	2	200	
- secondary stand	20	2	(40)	(40)
User space				6.450
Sanitary facilities				270
- toilets	108	2,5	-	
Garage				4.500
- two clusters combined	90	-	4.500	
Functions				11.220
Circulation etc.	25%			2.805
Total				14.025

2. Minimal users, maximal floor space

Functions	Amount (users)	Surface per user	Floor space in m ²	Totals
Work group offices				4.625
- working space	310	13,5	4.185	
- private discussion room	31 x 3,5	4	440	
Meeting rooms				1.050
- meeting room	200	4	800	
- irregular access room	50	5	250	
Open study spaces				1.800
- studio	150	8	1.200	
- open study hall	100	6	600	
Lecture halls				500
- main lecture hall	200	2	400	
- secondary hall	50	2	100	
Library				1.150
- library	-	-	600	
- NINO institute	-	-	400	
- work space	25	6	150	
Cafeteria				300
- main canteen	100	3	300	
- secondary stand	20	2	(40)	(40)
User space				9.425
Sanitary facilities				392
- toilets	157	2,5	-	
Garage				4.500
- two clusters combined	90	-	4.500	
Functions				14.320
Circulation etc.	25%			3.580
Total				17.900

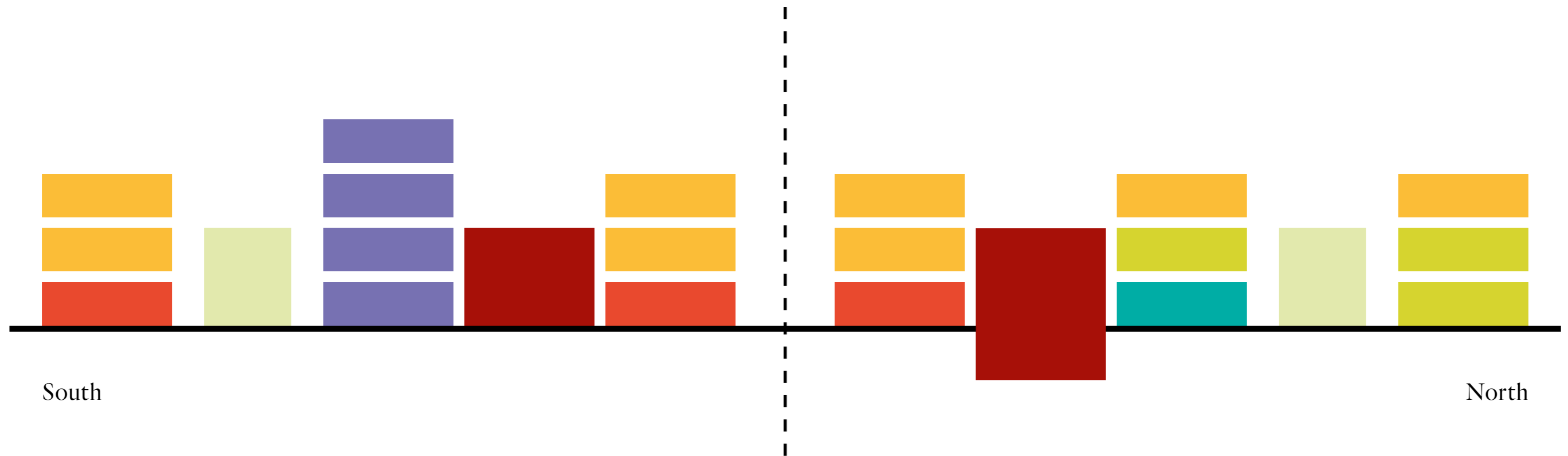
3. Maximal users, minimal floor space

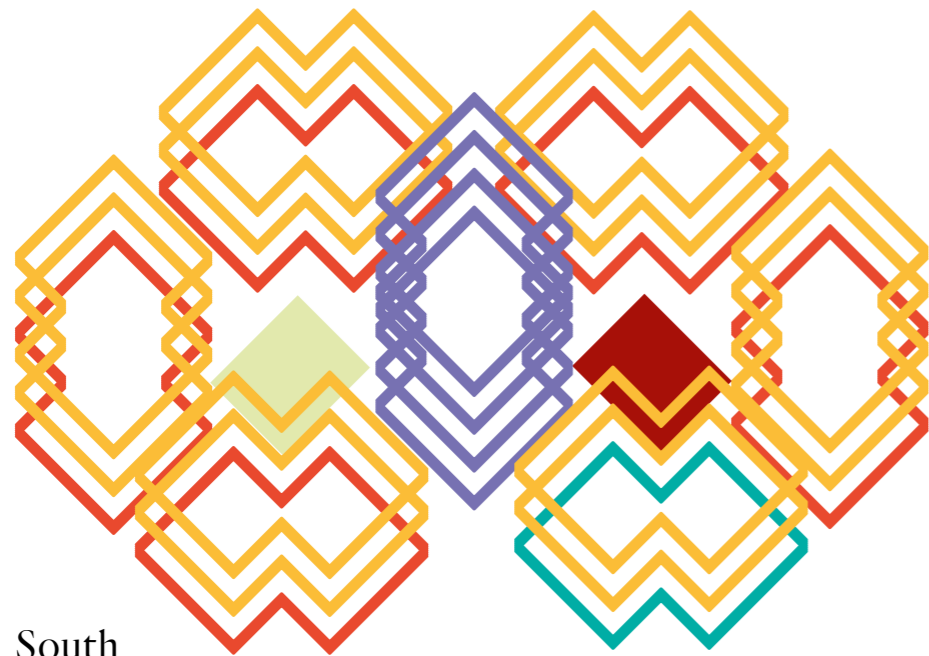
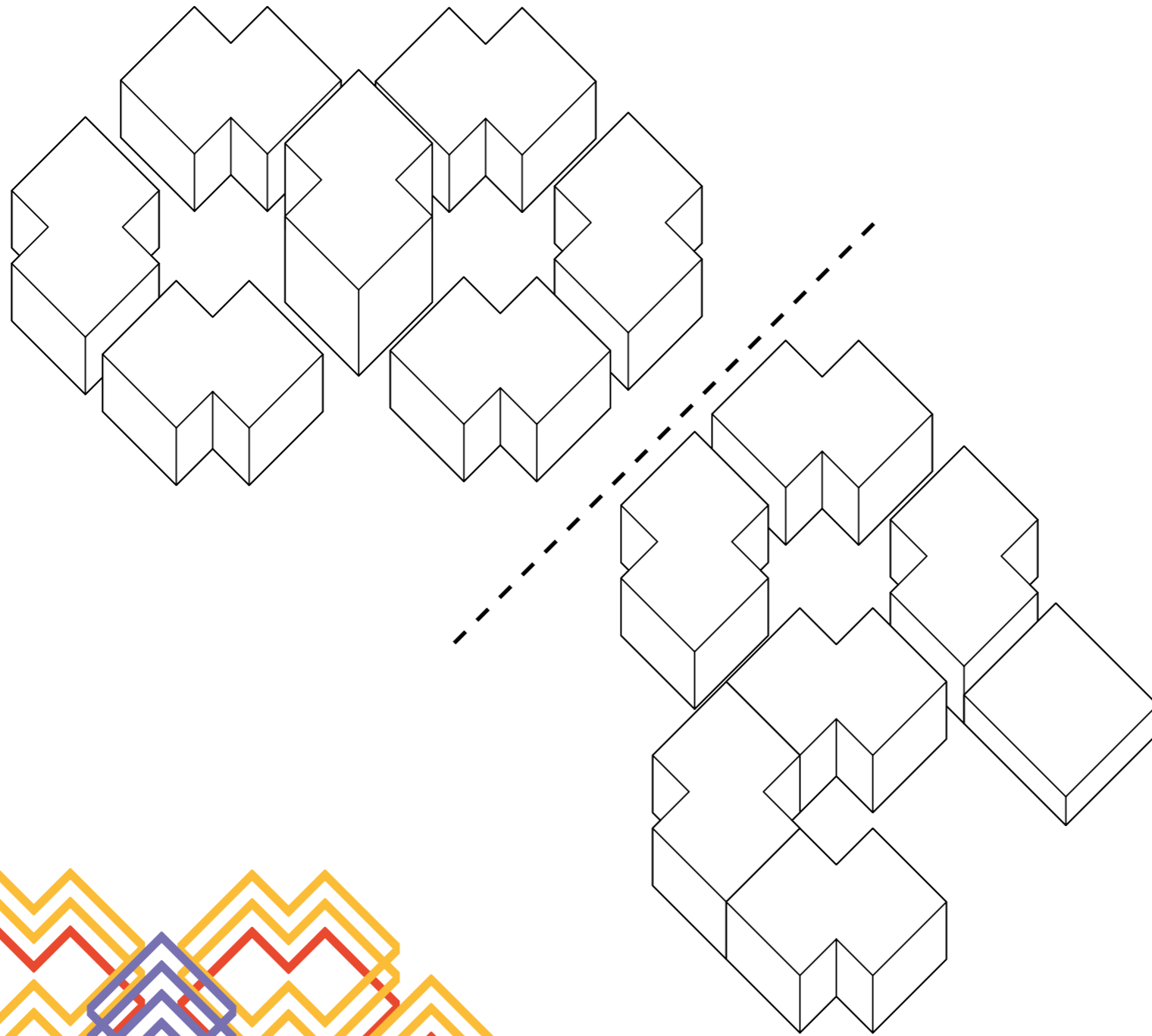
Functions	Amount (users)	Surface per user	Floor space in m ²	Totals
Work group offices				4.380
- working space	465	8	3.720	
- private discussion room	47 x 3,5	4	660	
Meeting rooms				1.400
- meeting room	275	4	1.100	
- irregular access room	75	4	300	
Open study spaces				2.250
- studio	250	6	1.500	
- open study hall	150	5	750	
Lecture halls				650
- main lecture hall	250	2	500	
- secondary hall	75	2	150	
Library				925
- library	-	-	500	
- NINO institute	-	-	250	
- work space	35	5	175	
Cafeteria				300
- main canteen	150	2	300	
- secondary stand	30	2	(60)	(60)
User space				9.900
Sanitary facilities				415
- toilets	165	2,5	-	
Garage				4.500
- two clusters combined	90	-	4.500	
Functions				14.820
Circulation etc.	25%			3.705
Total				18.525

4. Maximal users, maximal floor space

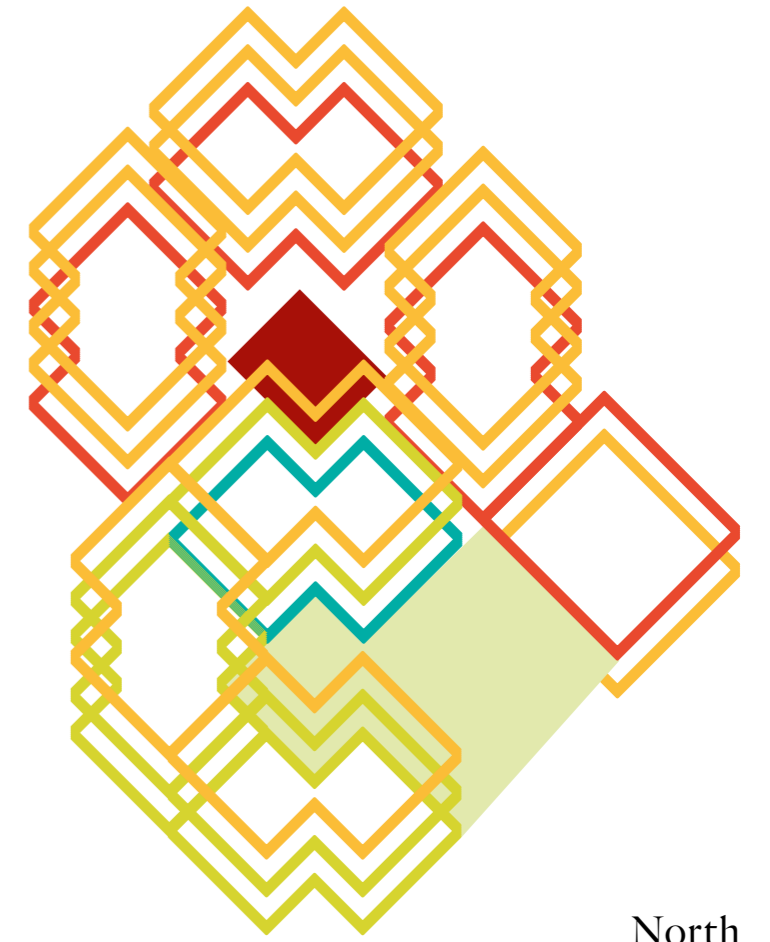
Functions	Amount (users)	Surface per user	Floor space in m ²	Totals
Work group offices				6.940
- working space	465	13,5	6.280	
- private discussion room	47 x 3,5	4	660	
Meeting rooms				1.475
- meeting room	275	4	1.100	
- irregular access room	75	5	375	
Open study spaces				2.900
- studio	250	8	2.000	
- open study hall	150	6	900	
Lecture halls				650
- main lecture hall	250	2	500	
- secondary hall	75	2	150	
Library				1.175
- library	-	-	600	
- NINO institute	-	-	400	
- work space	35	6	175	
Cafeteria				450
- main canteen	150	3	450	
- secondary stand	30	2	(60)	(60)
User space				13.590
Sanitary facilities				560
- toilets	225	2,5	-	
Garage				4.500
- two clusters combined	90	-	4.500	
Functions				18.650
Circulation etc.	25%			4.660
Total				23.310

Functions





South



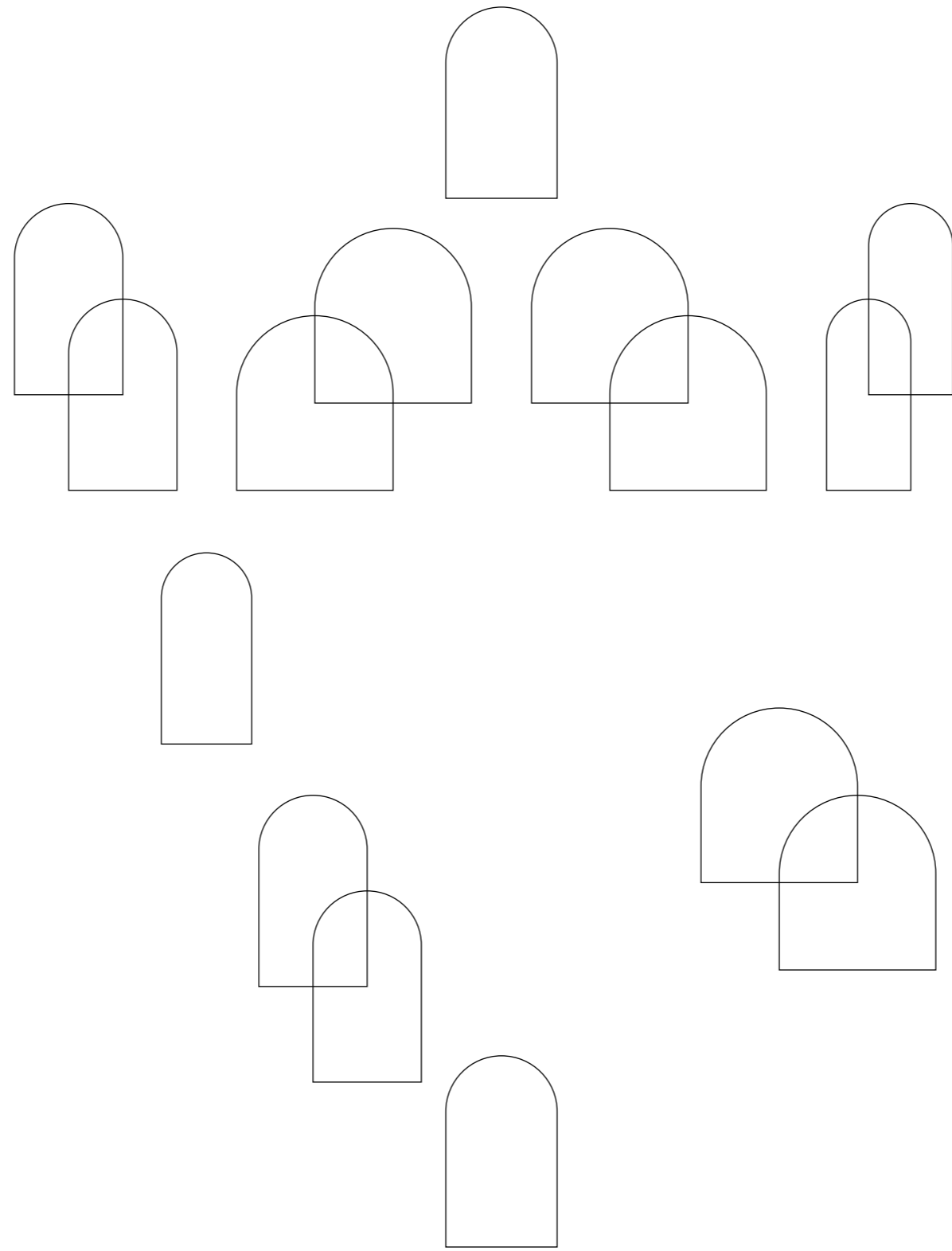
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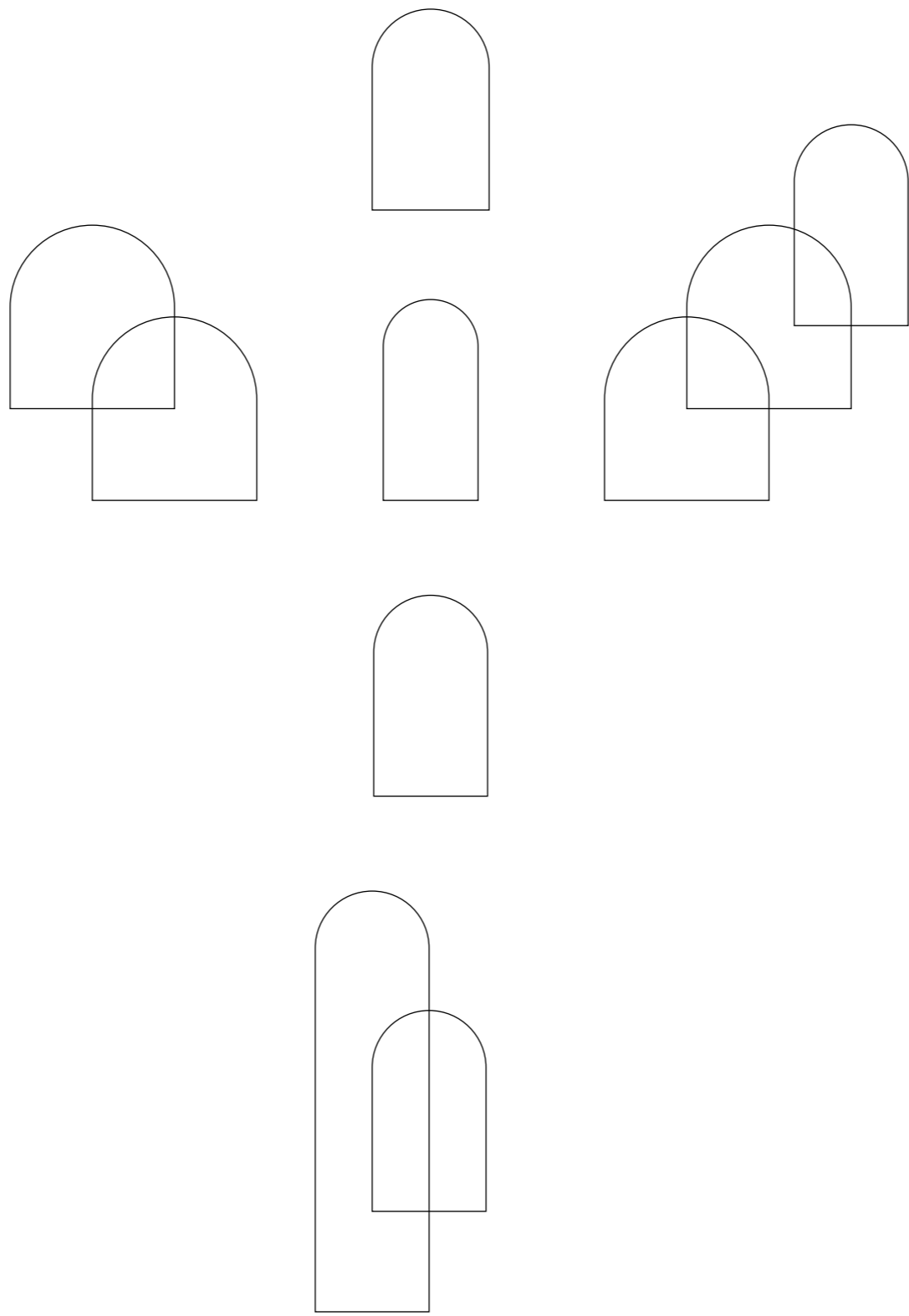
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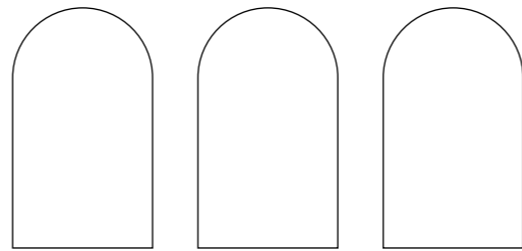
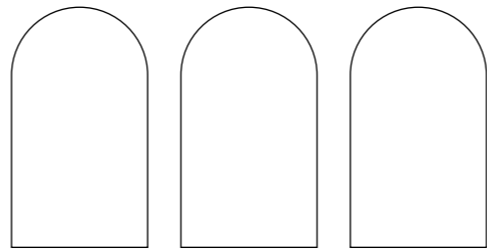
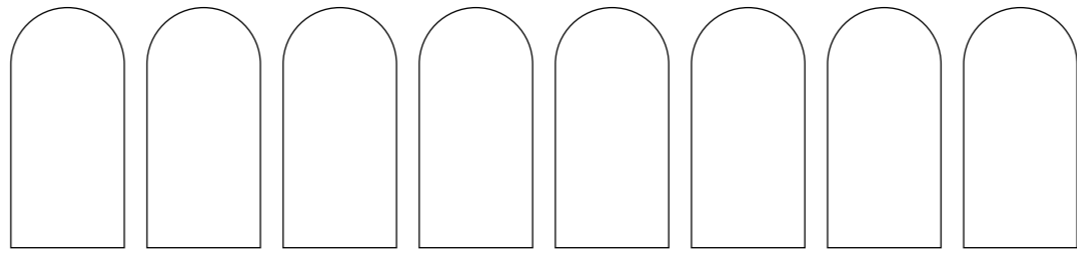
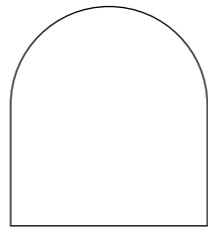
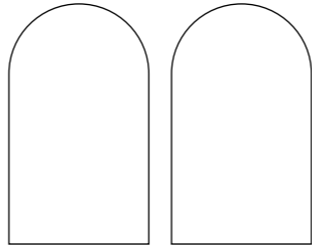
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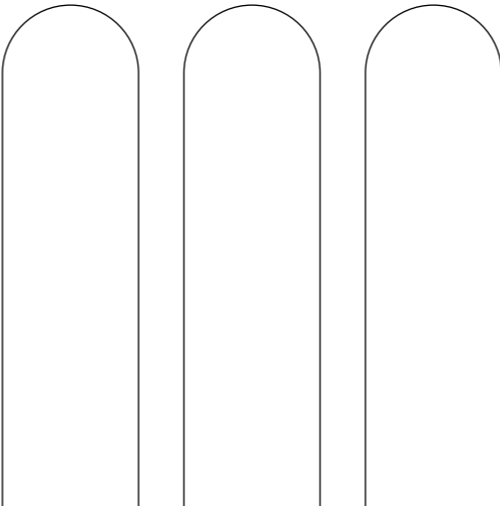
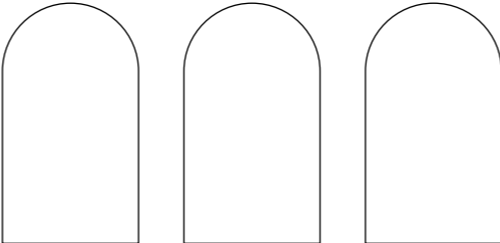
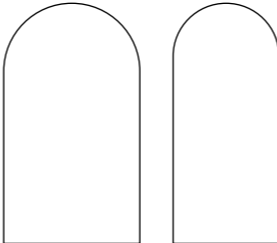
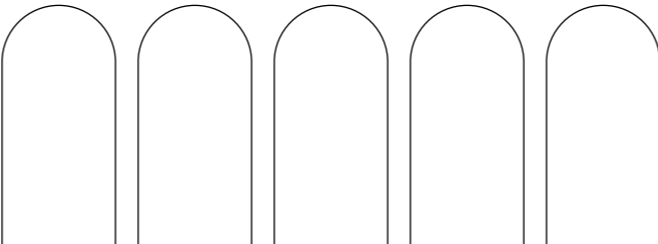
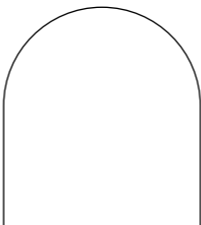
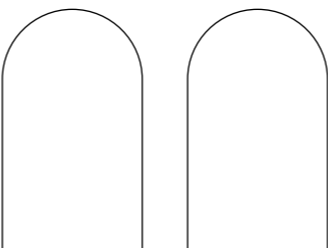


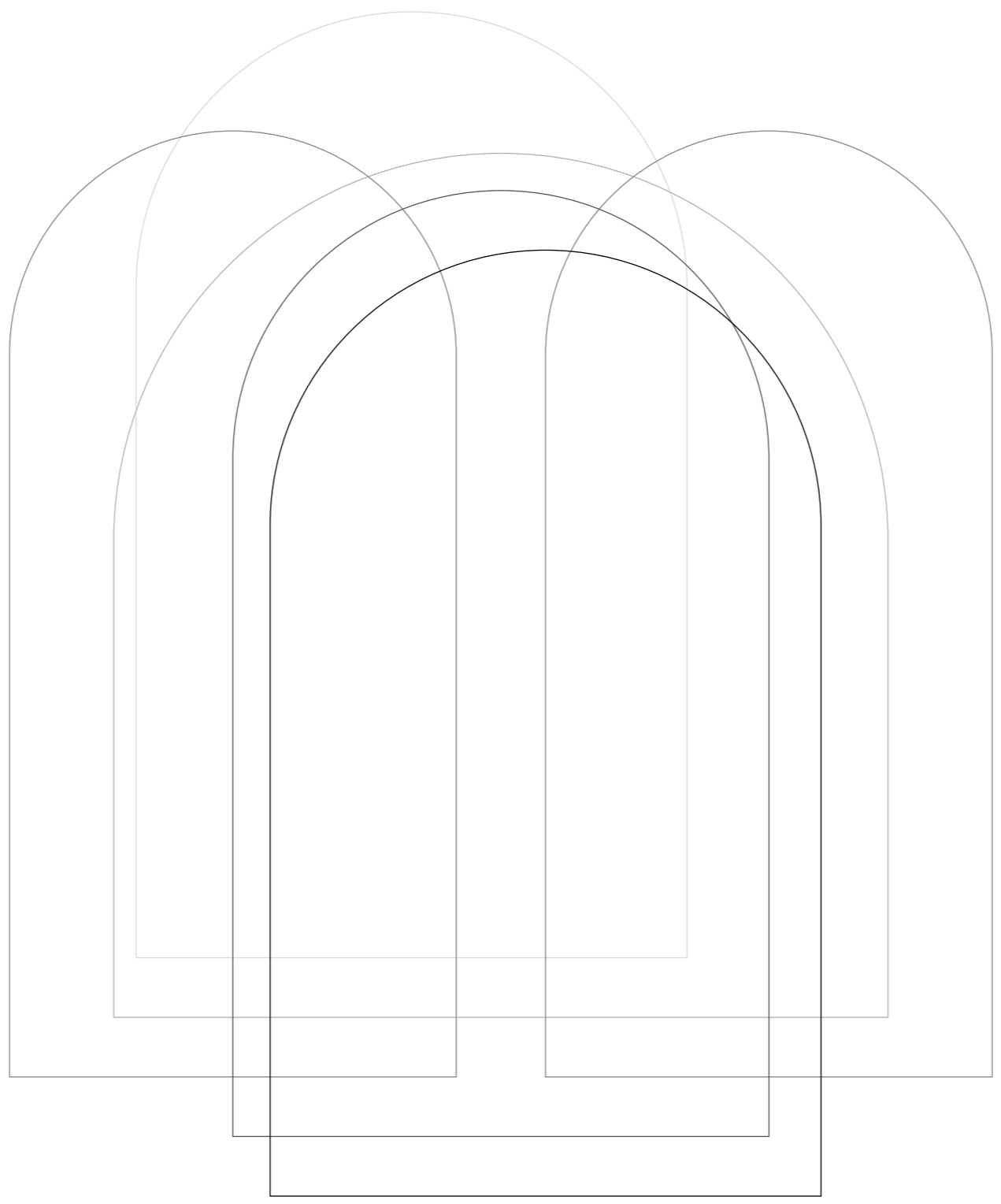
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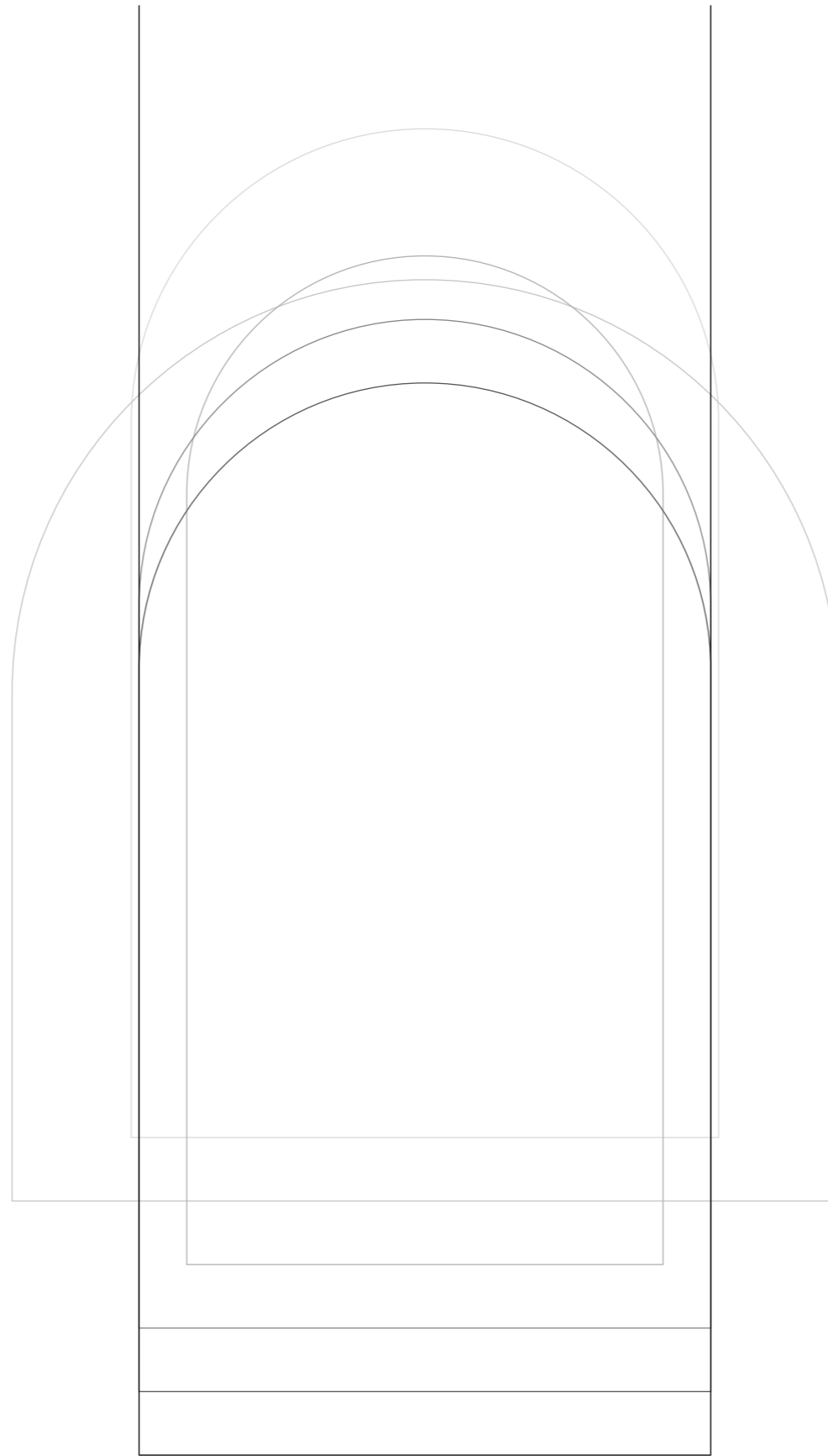


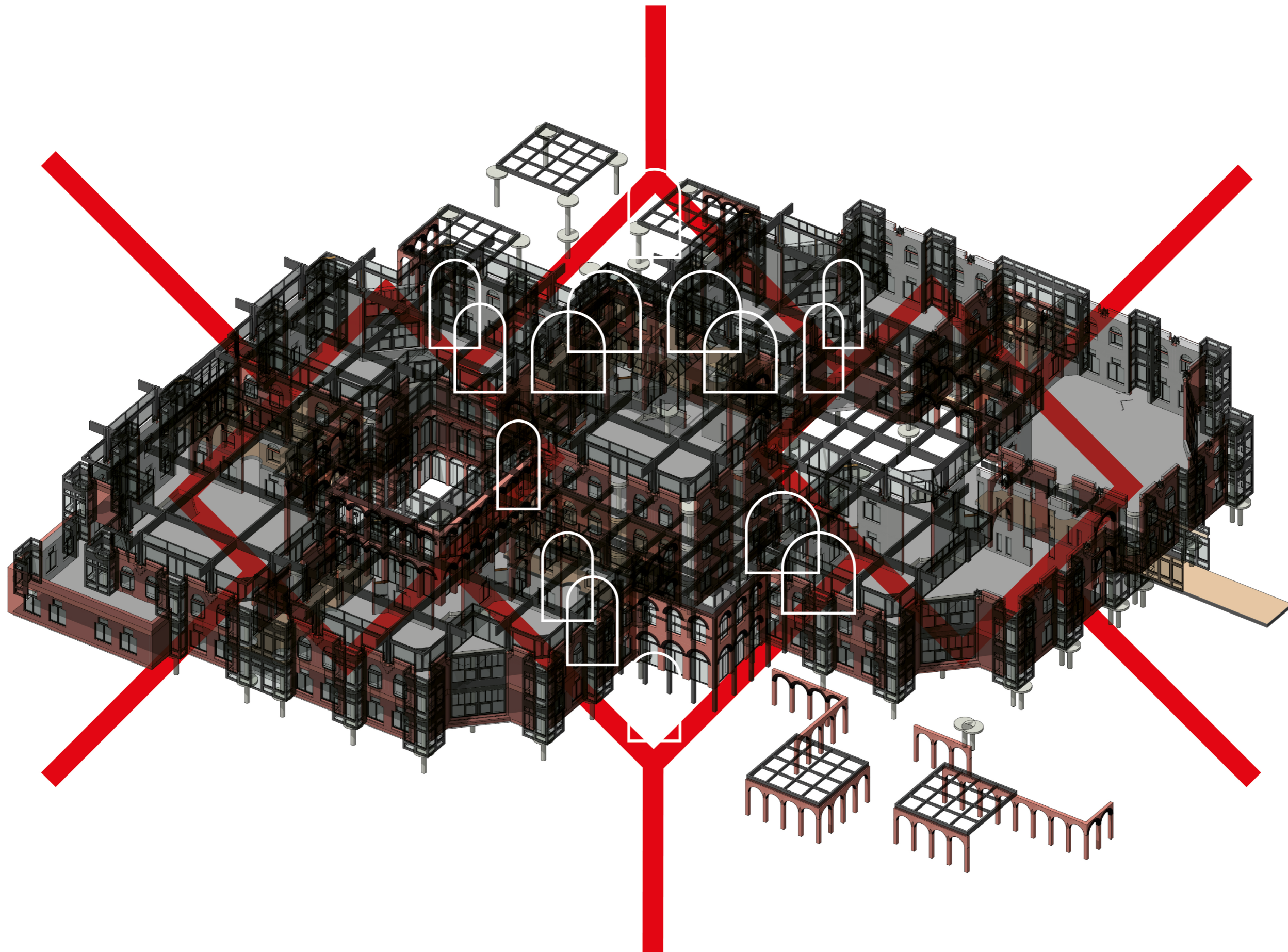
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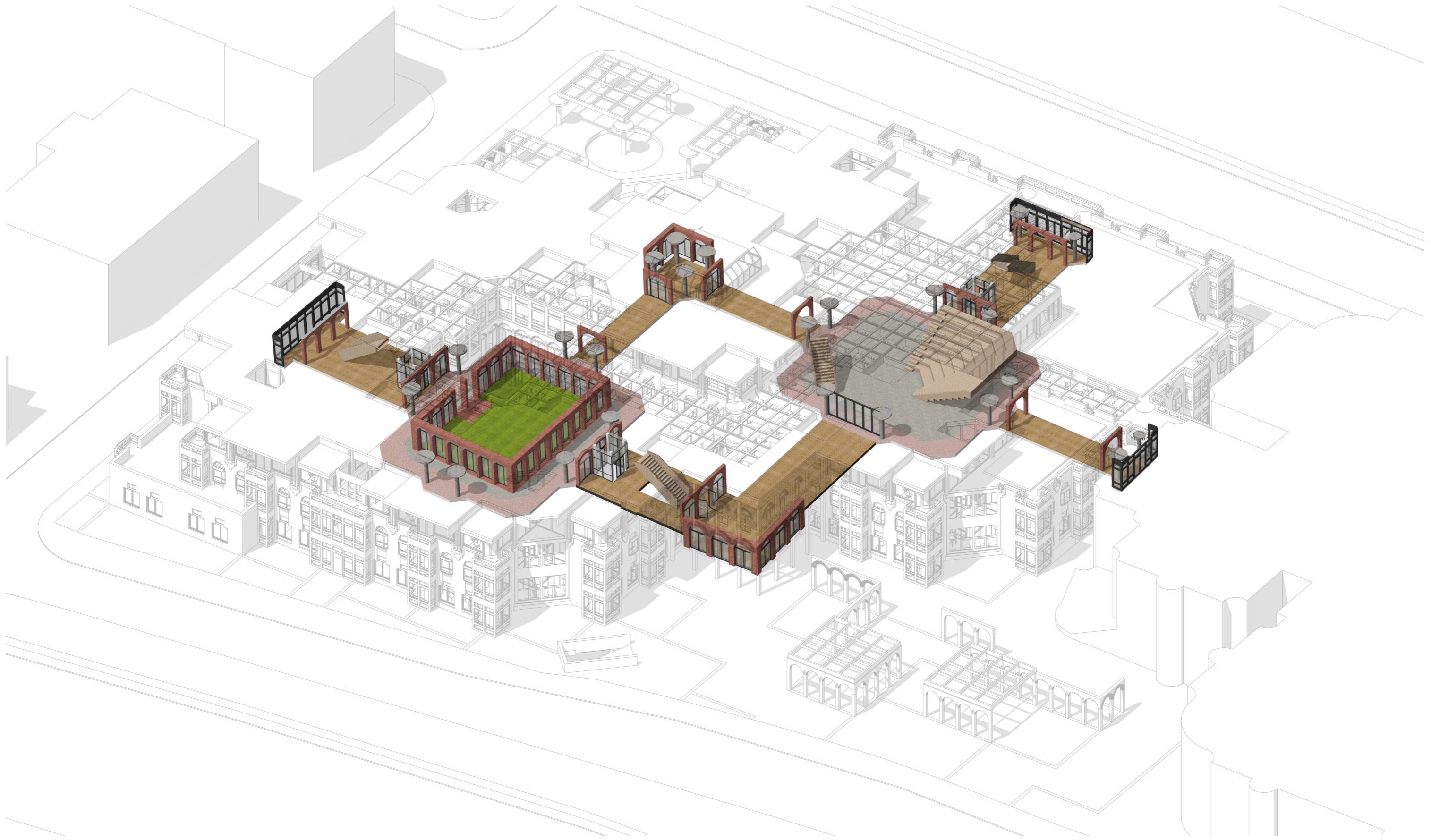




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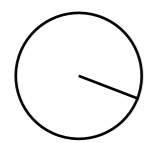
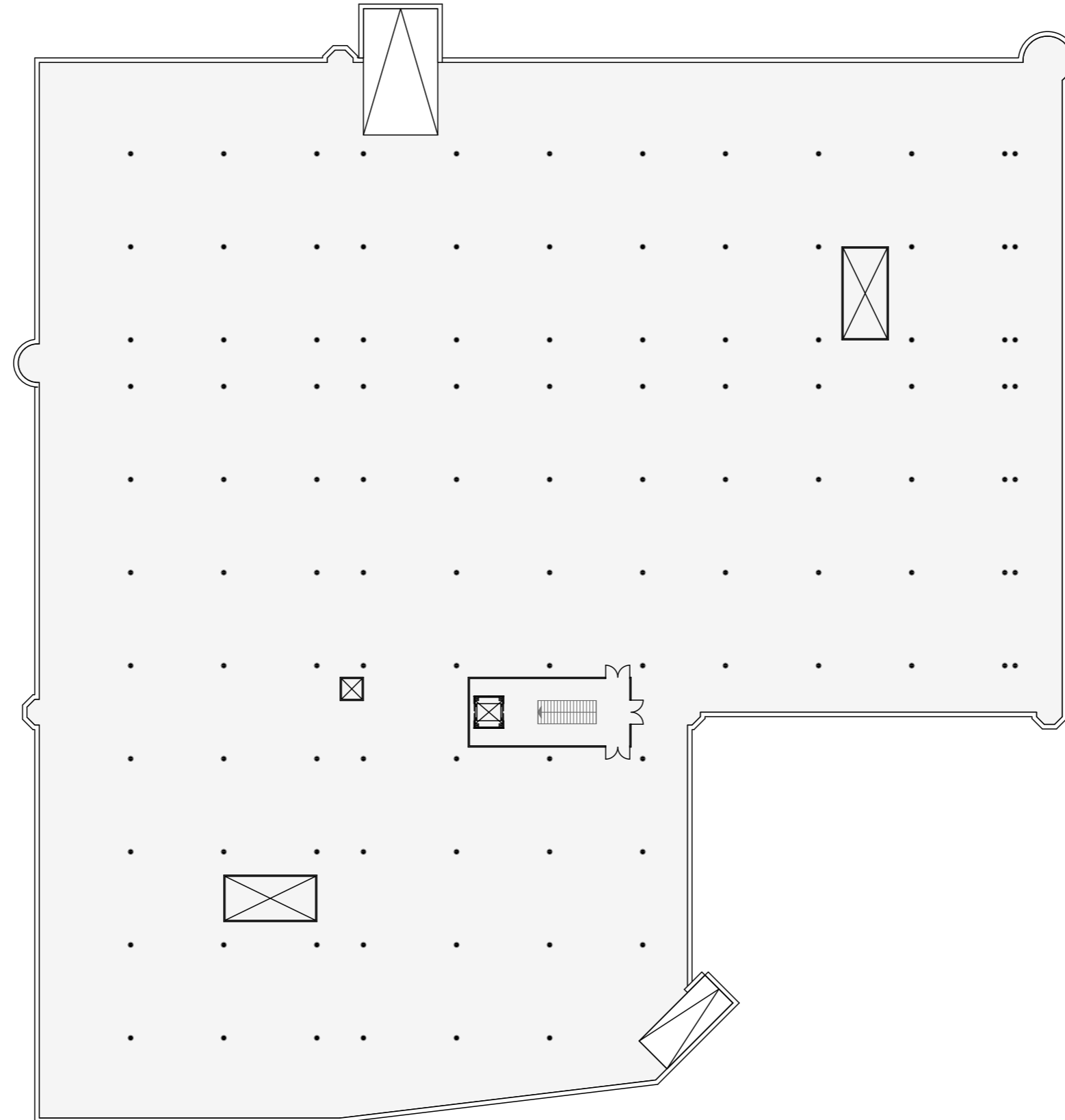






**the
plan**

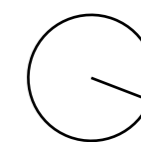
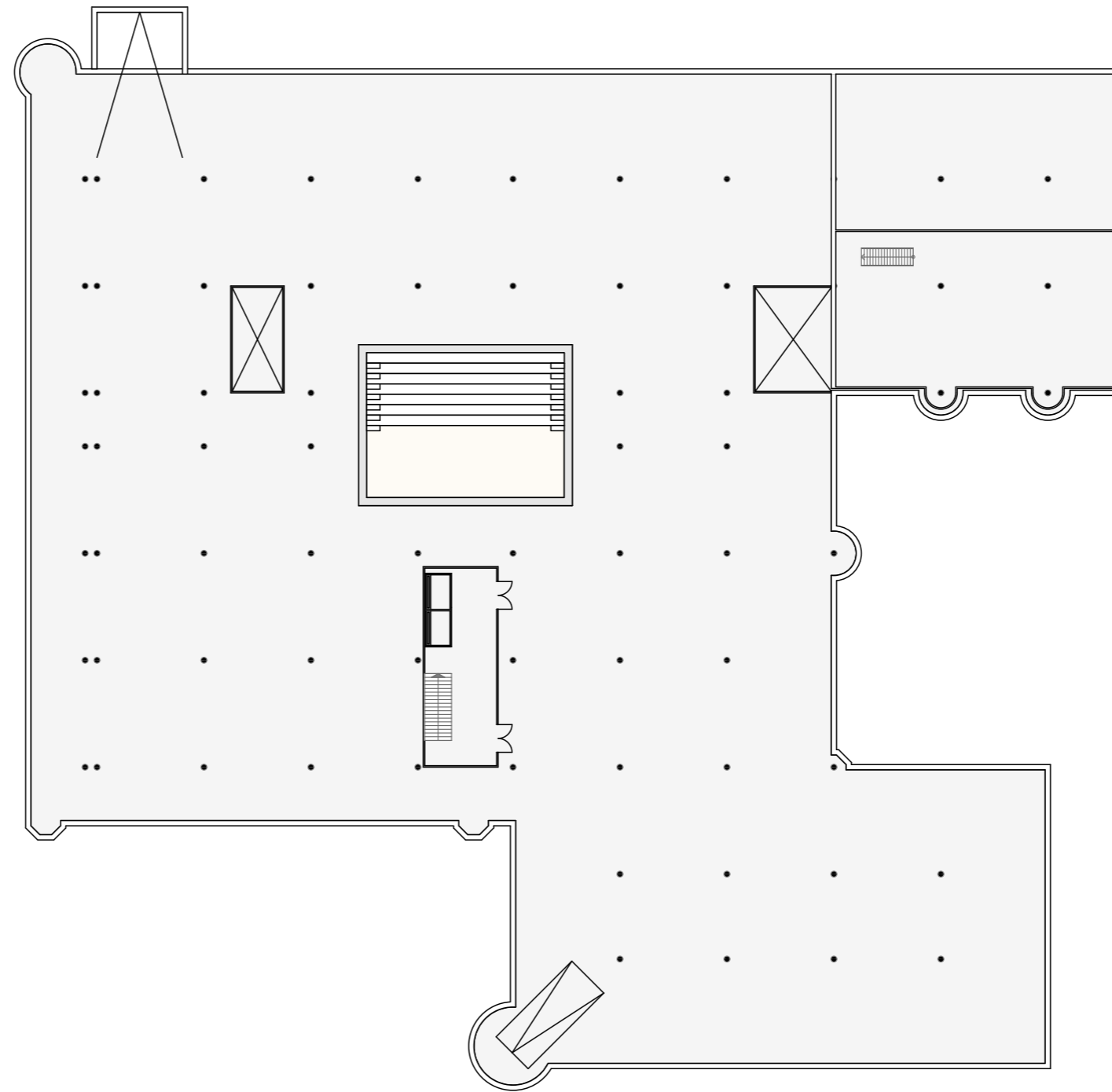
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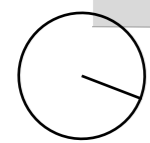


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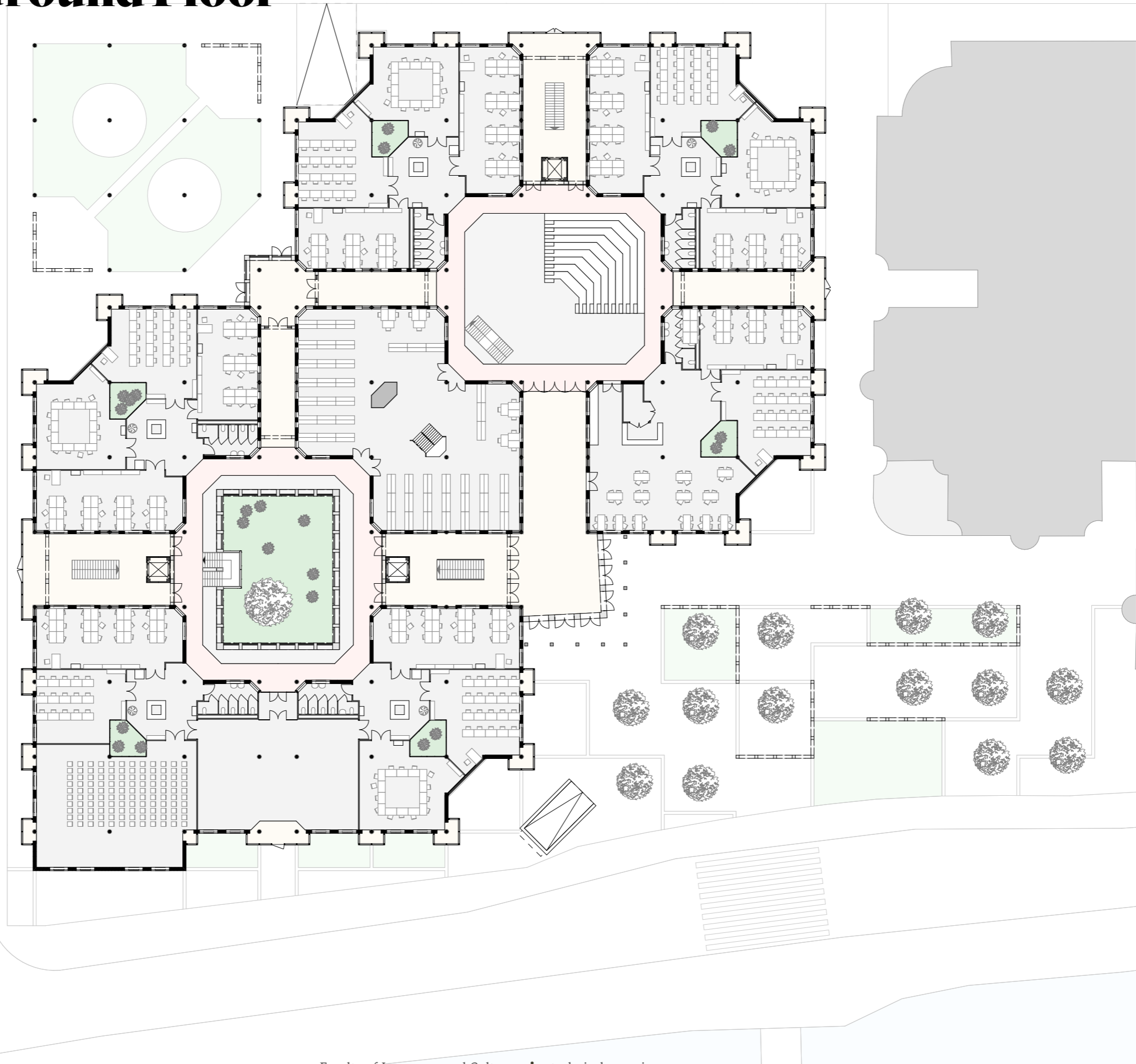
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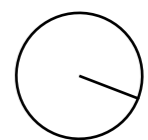
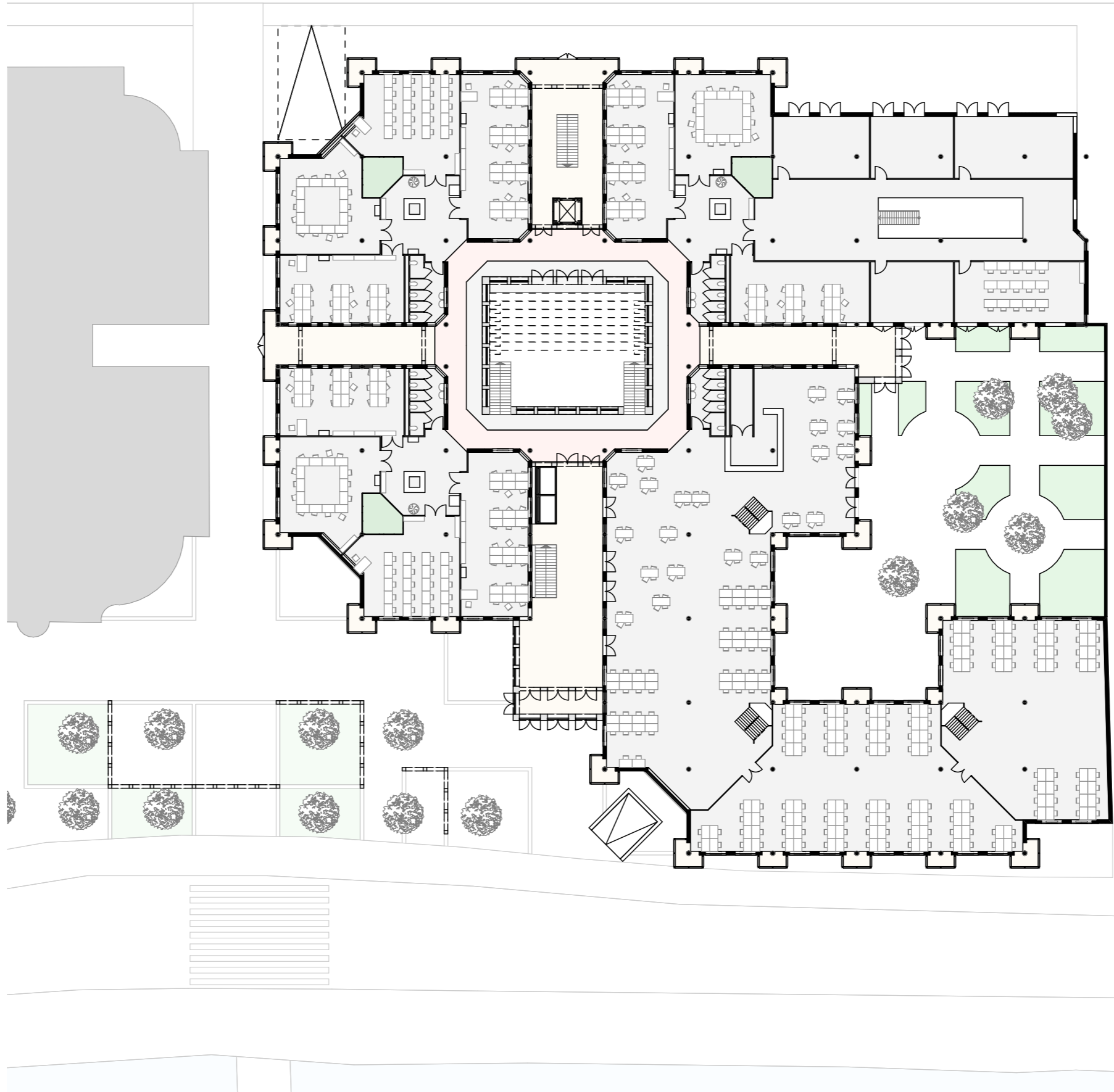


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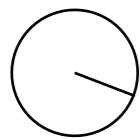
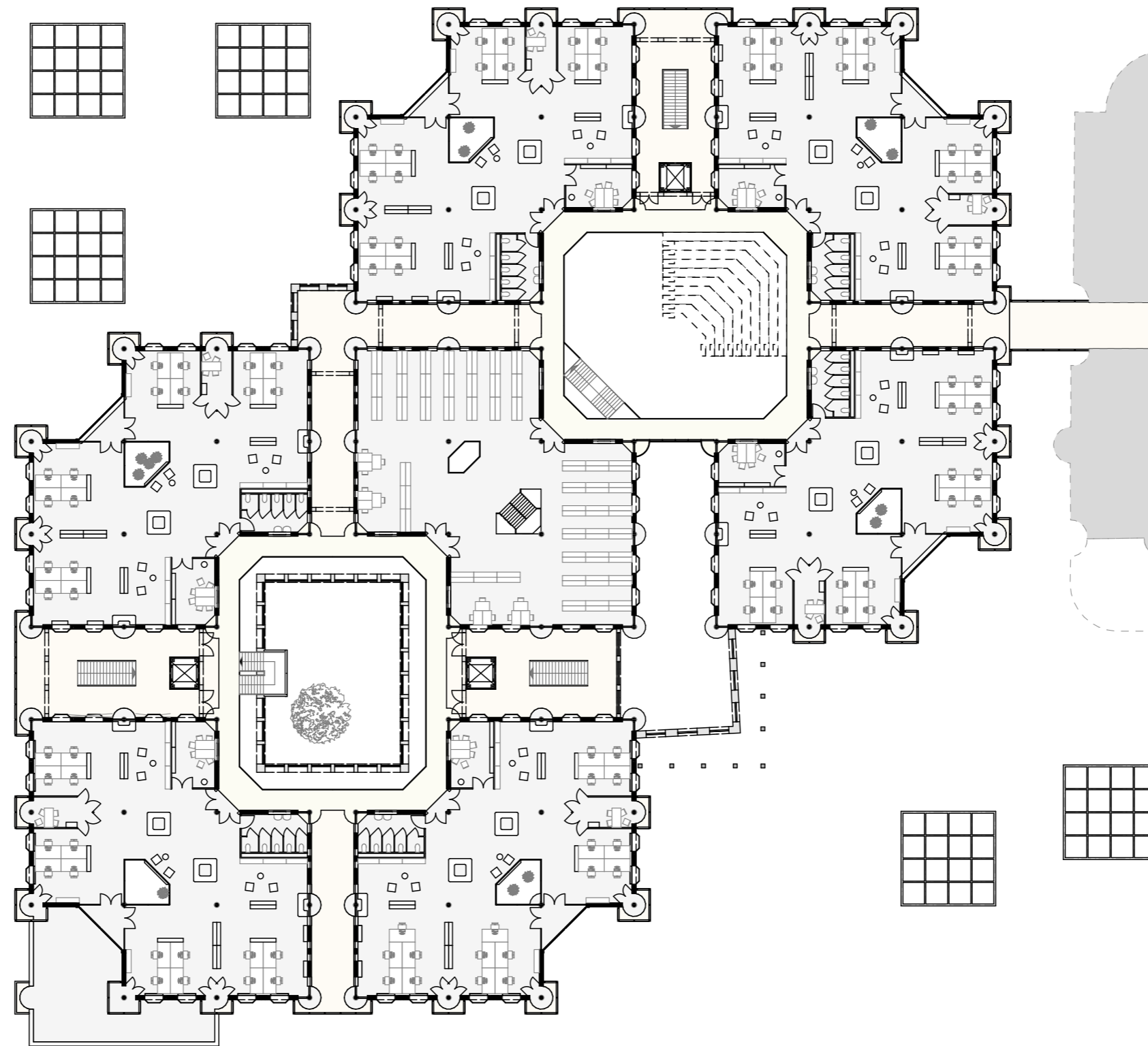


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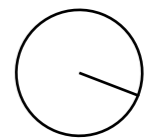
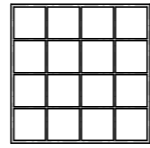
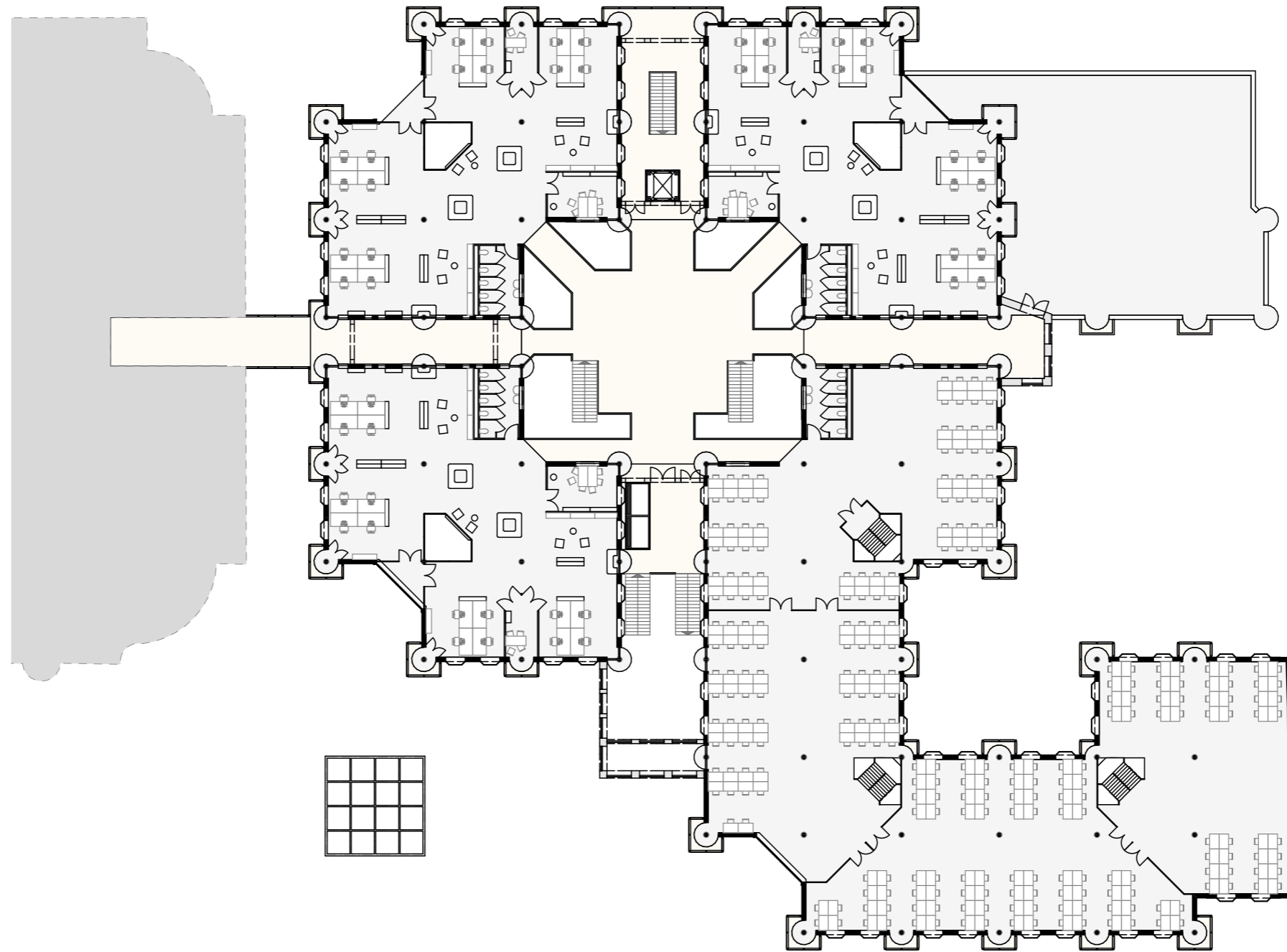
Floor Plans +1



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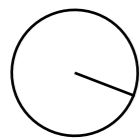
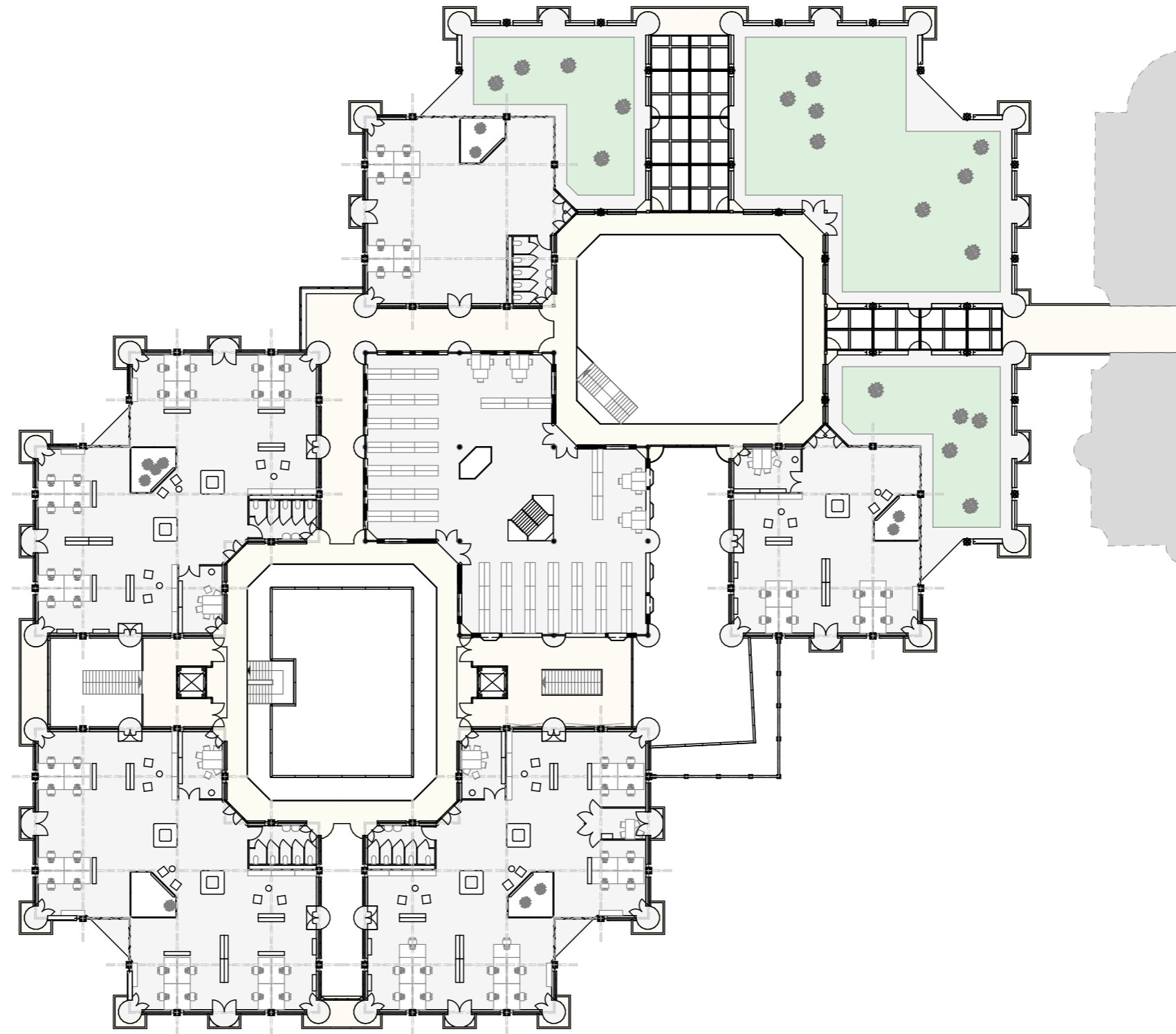


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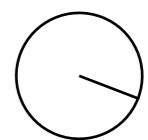
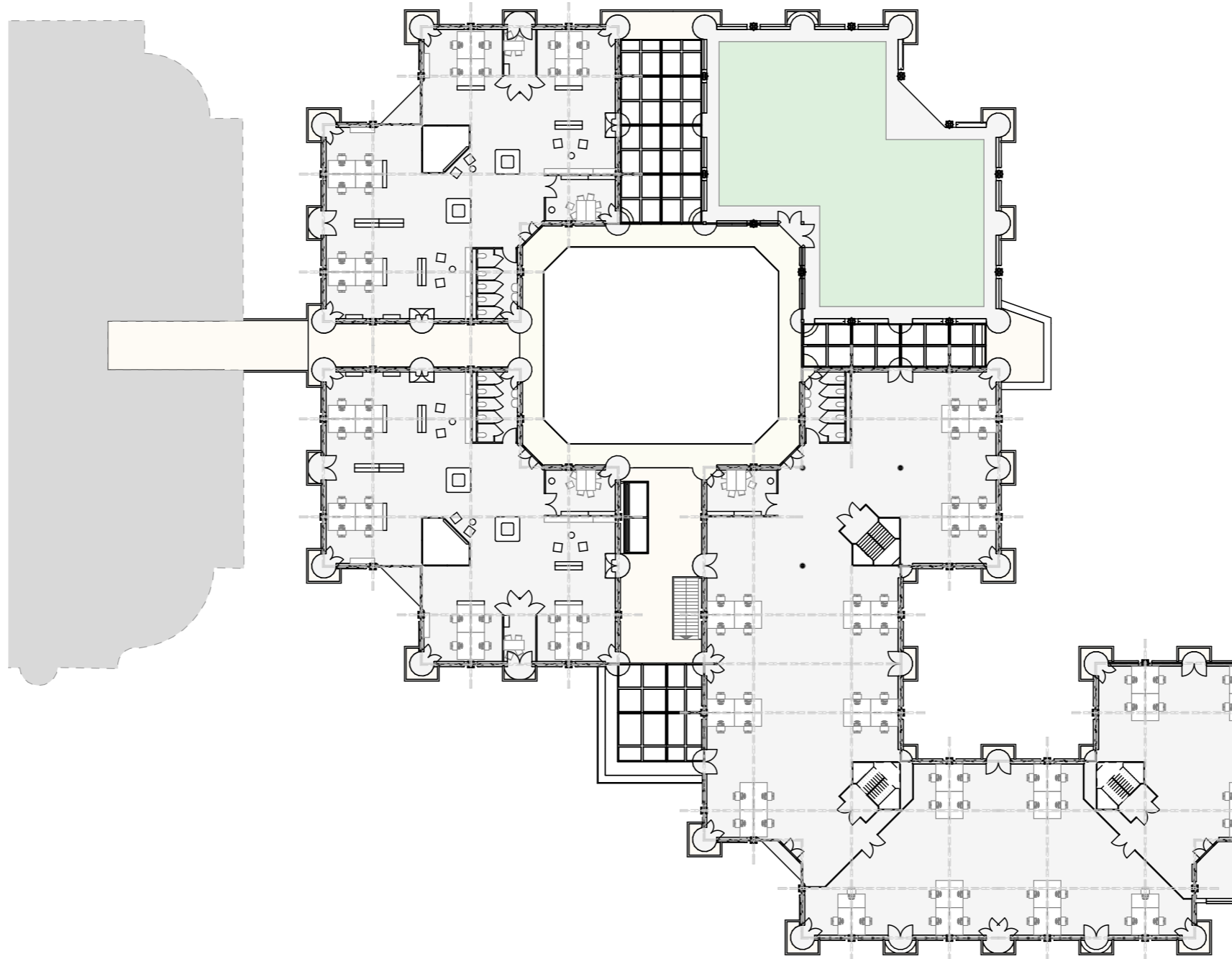
Floor Plans +2



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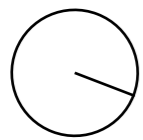
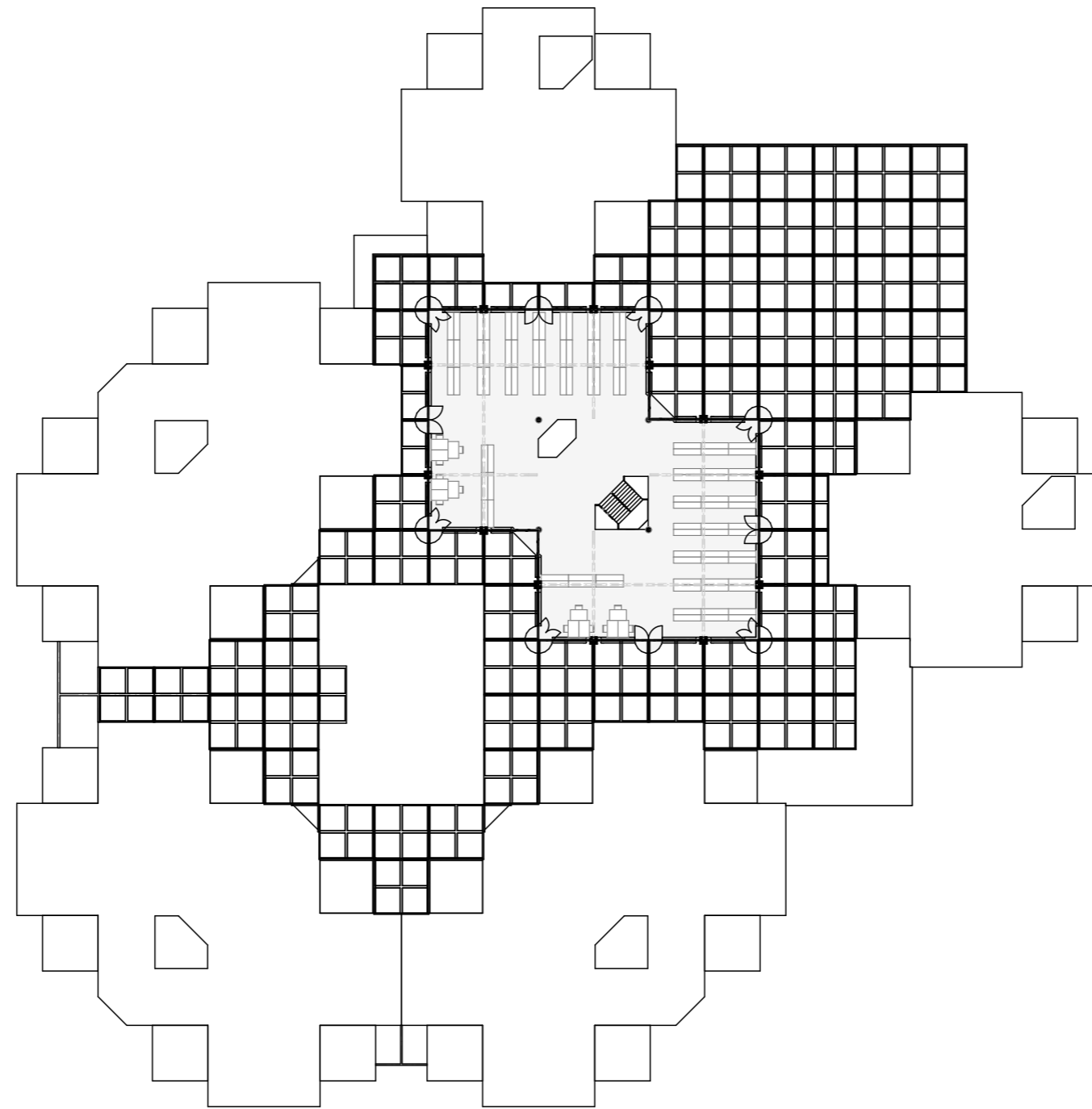


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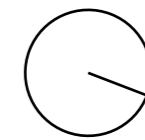
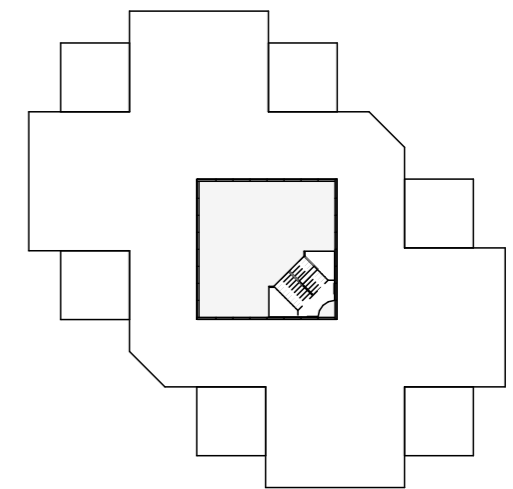
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South

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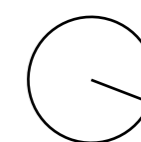
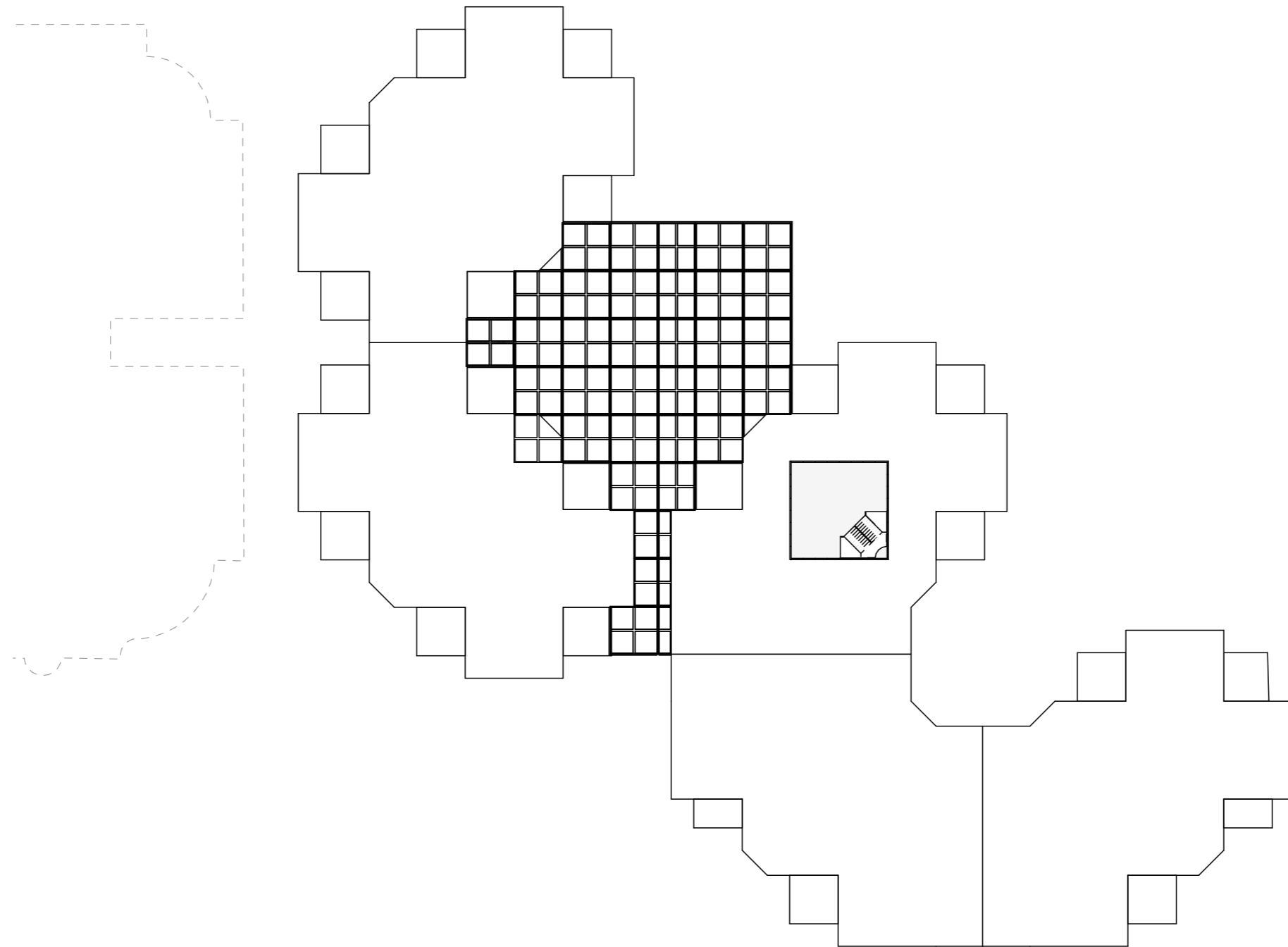
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South

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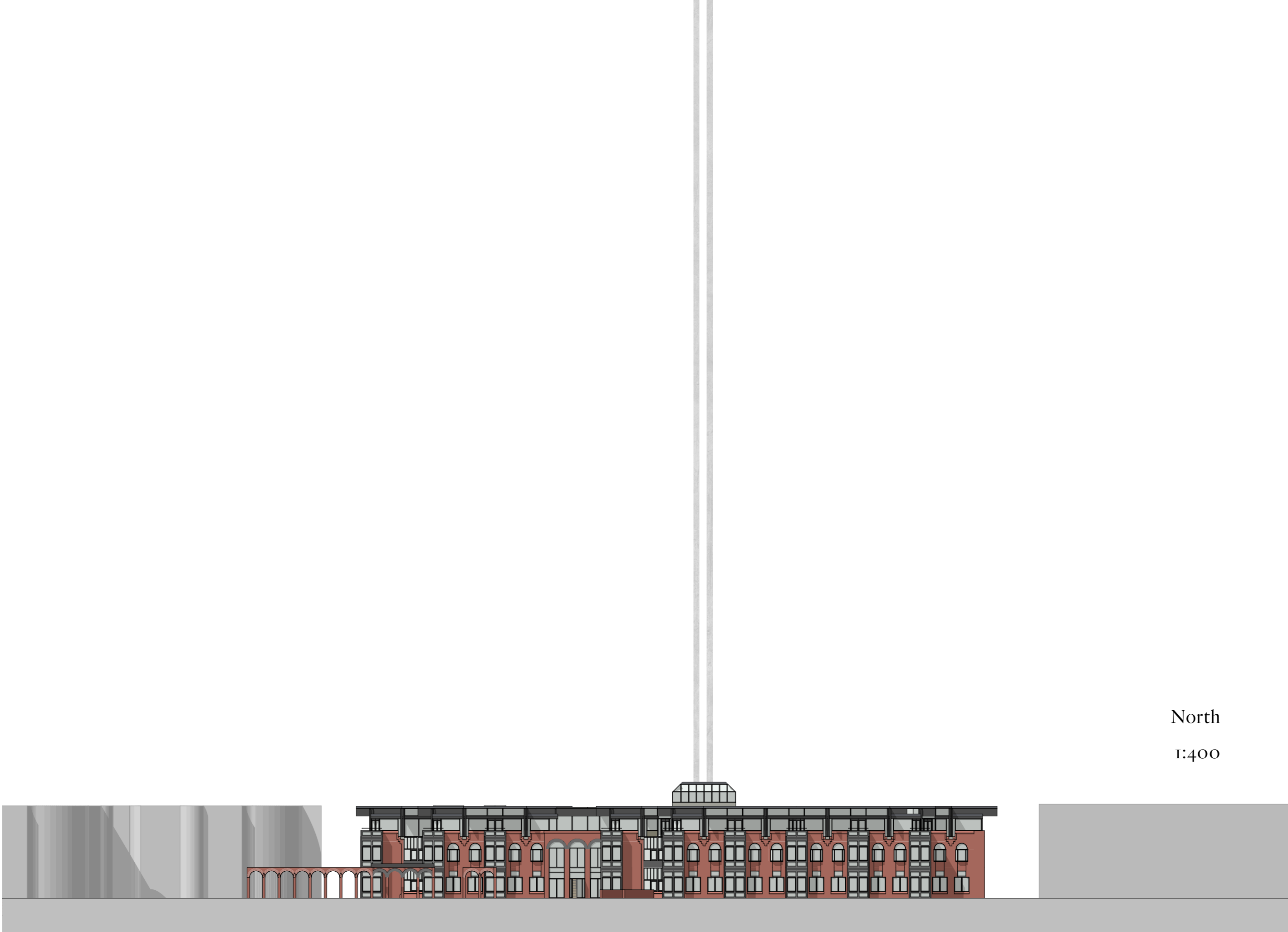
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Elevations

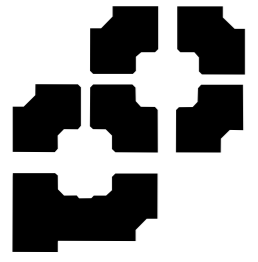
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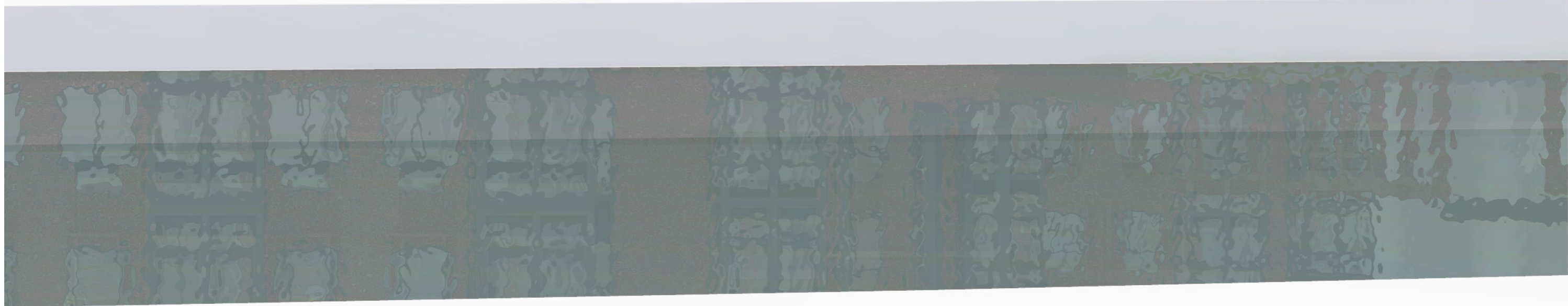
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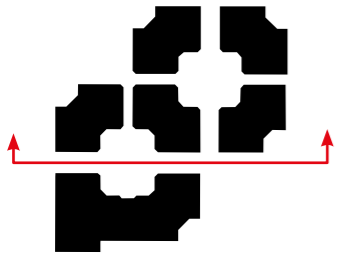
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Elevation South



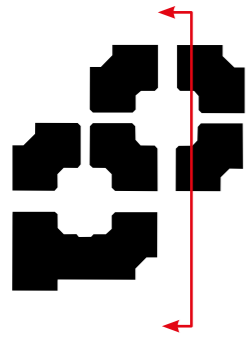




Long Section South

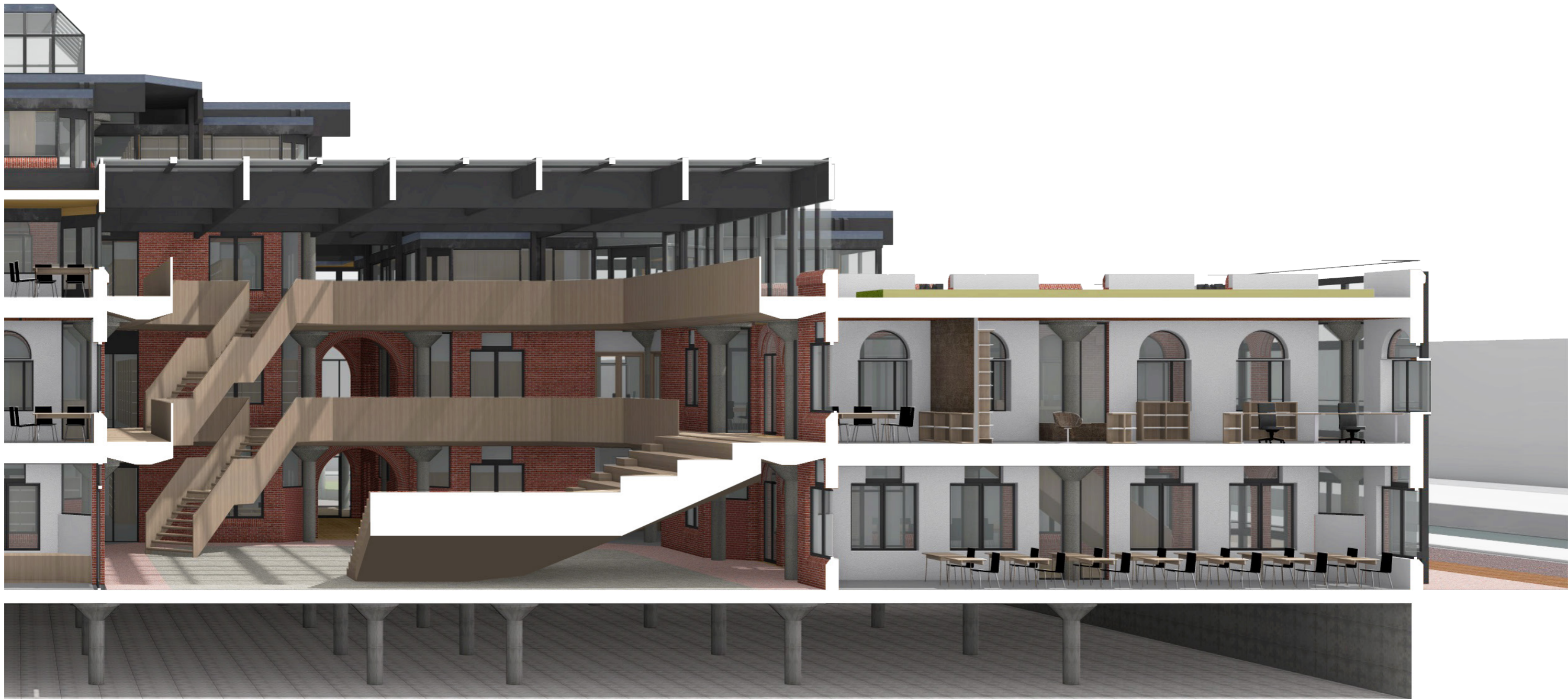


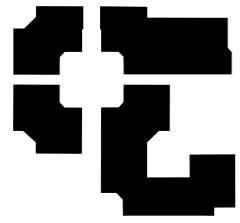




Long Section South



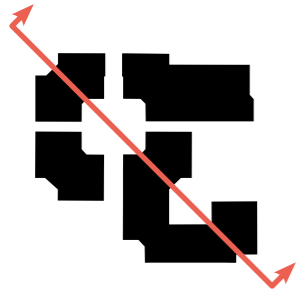




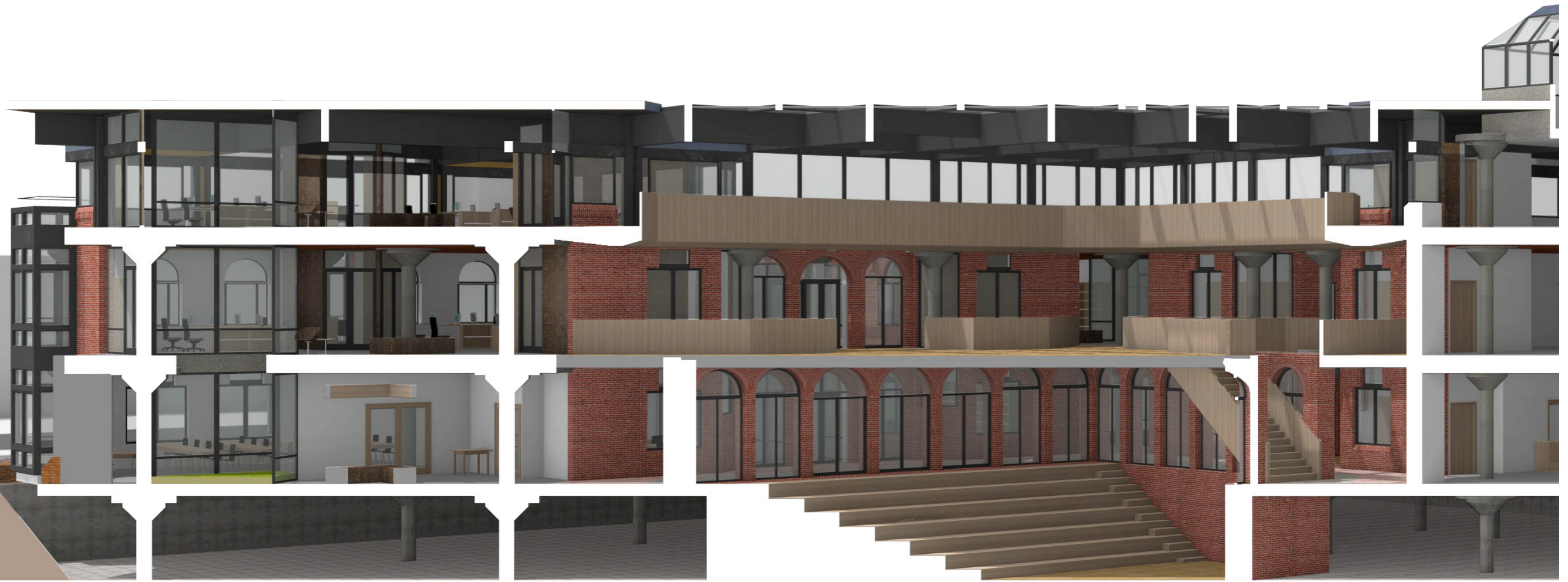
Elevation North





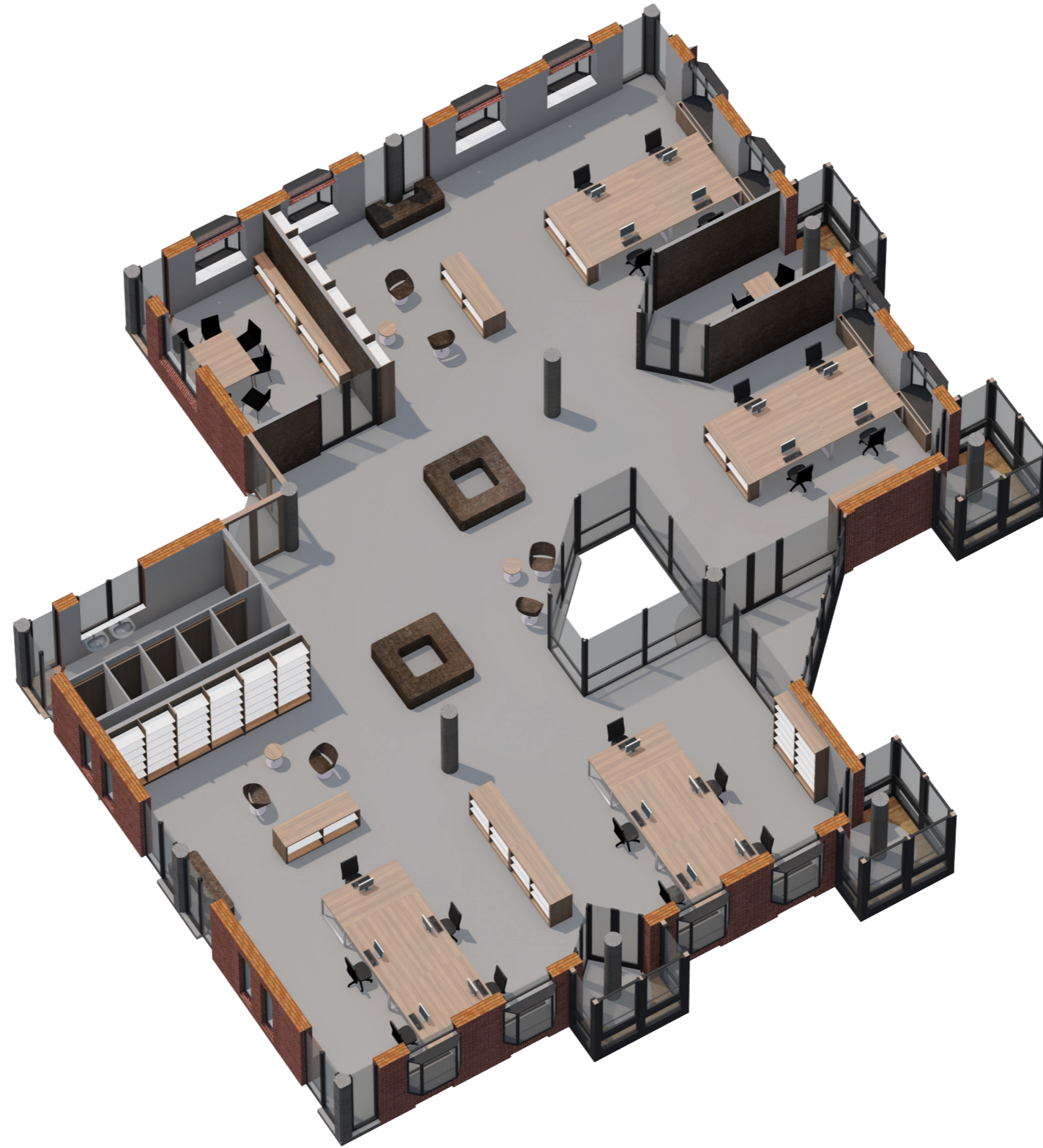


Long section North



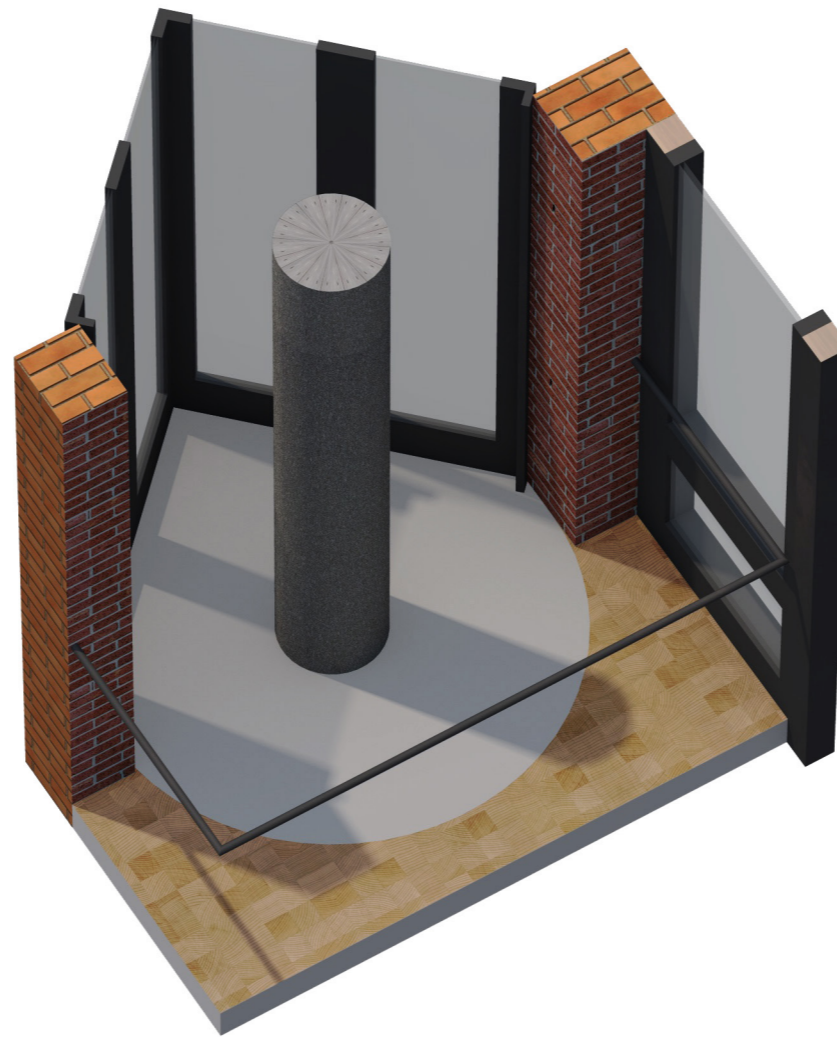


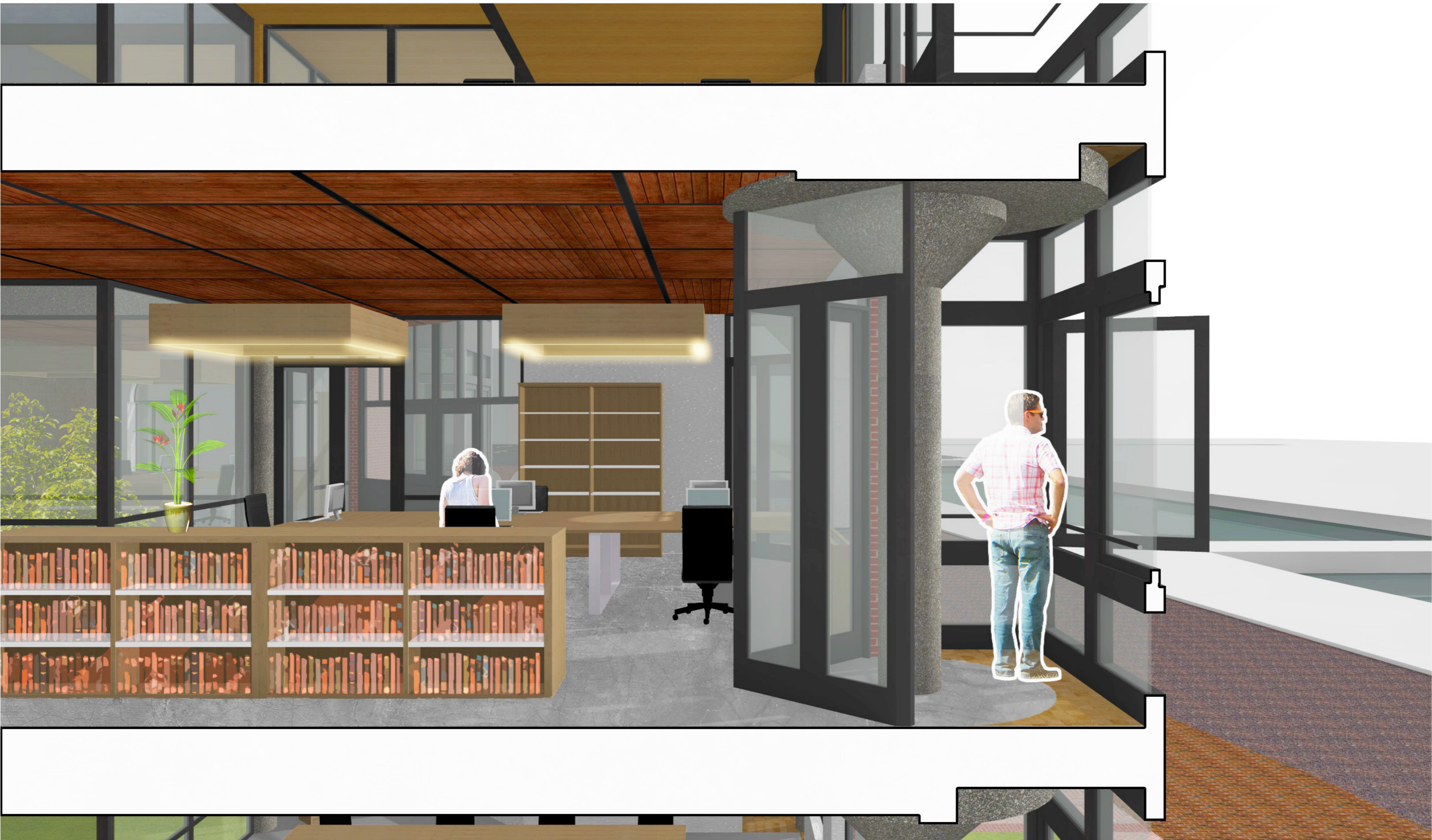
Studio Interior





Column embrace Interior





Entrance South



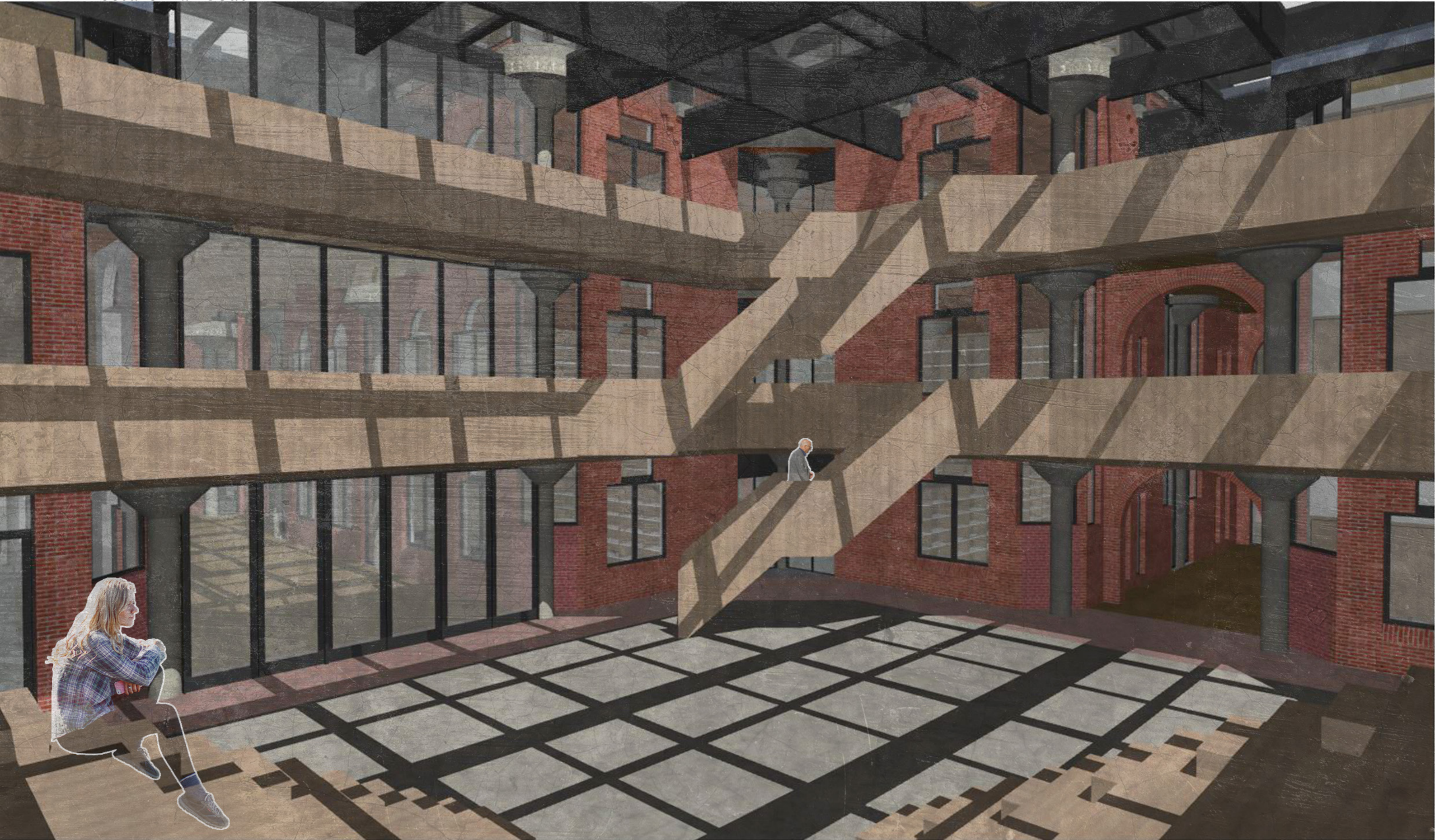
Garden entrance South



Entrance South



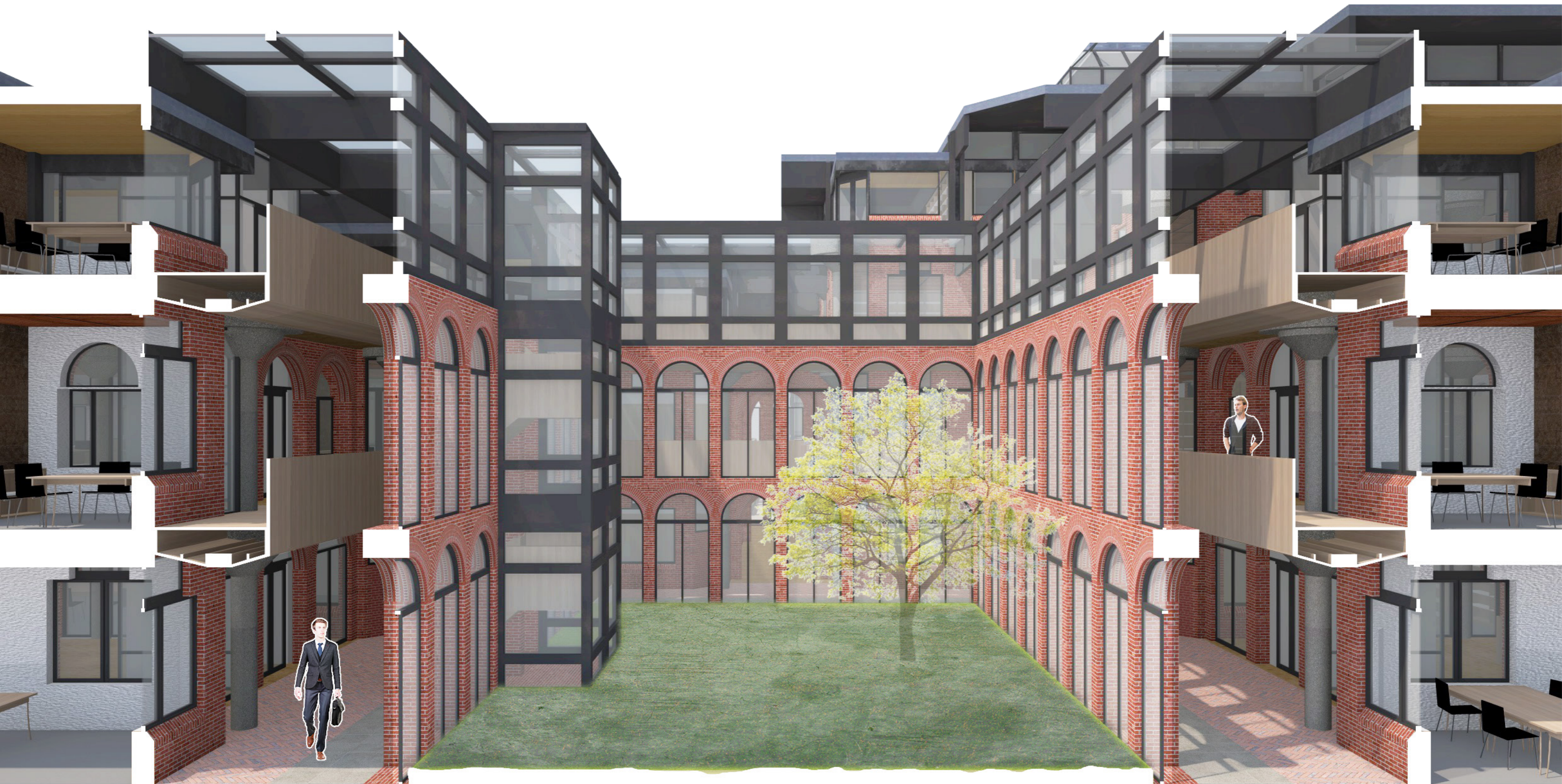
Lecture Hall South







Garden Courtyard South section



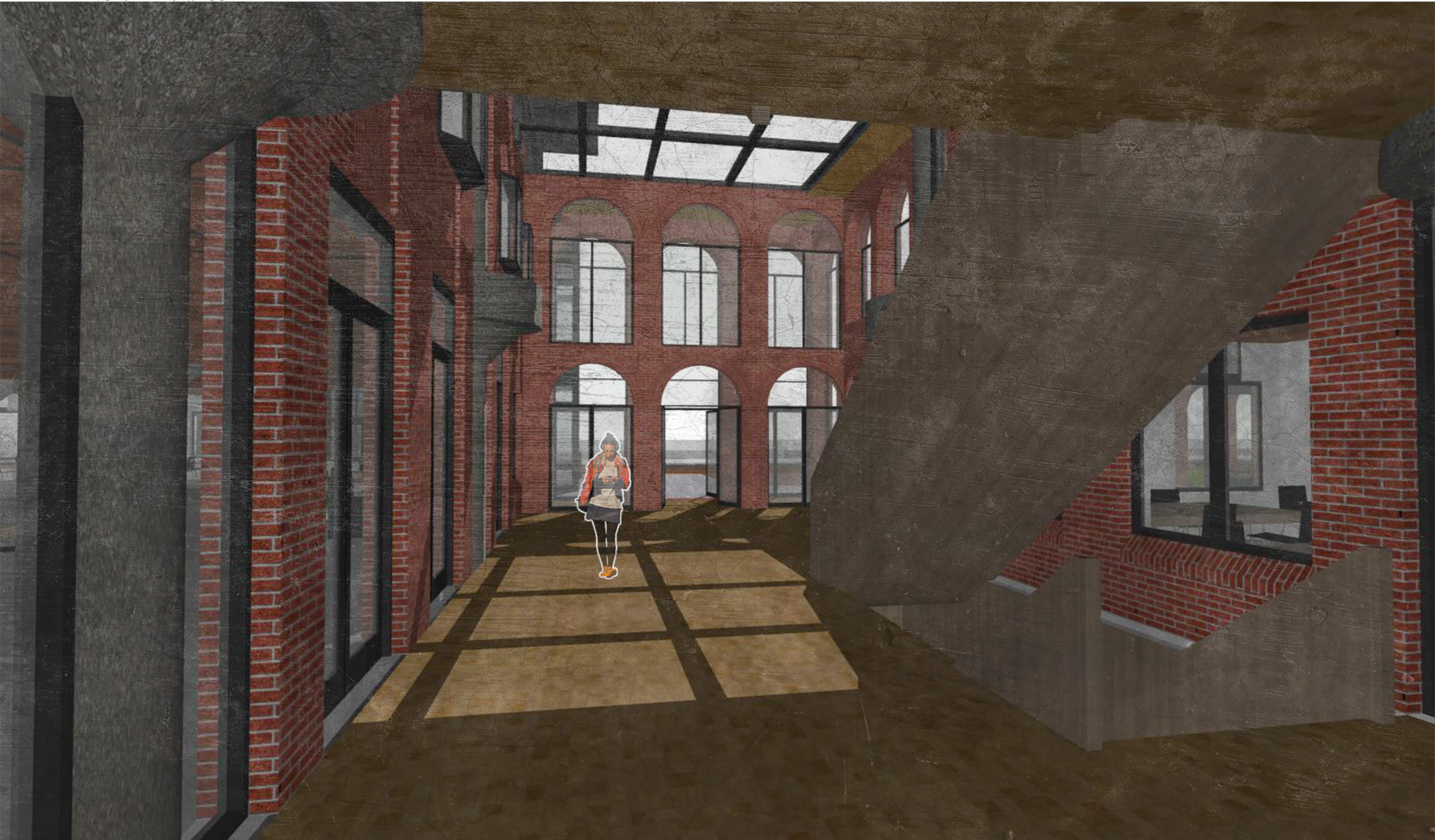
South Boardwalk



North Entrance



North Entrance







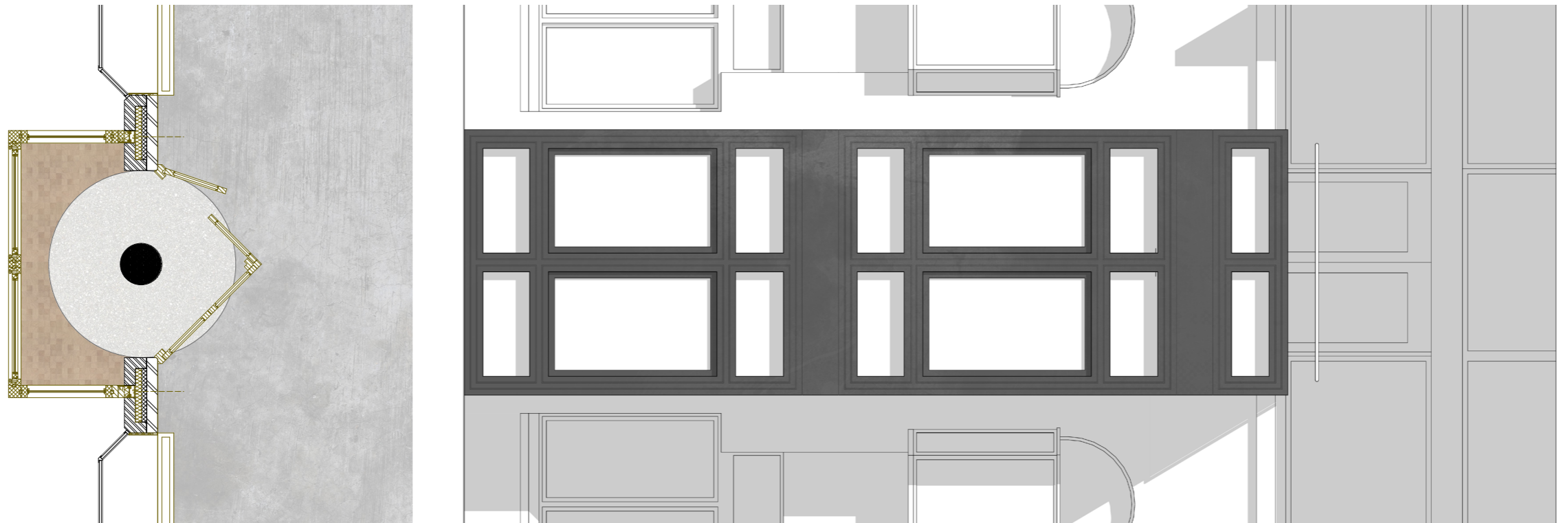
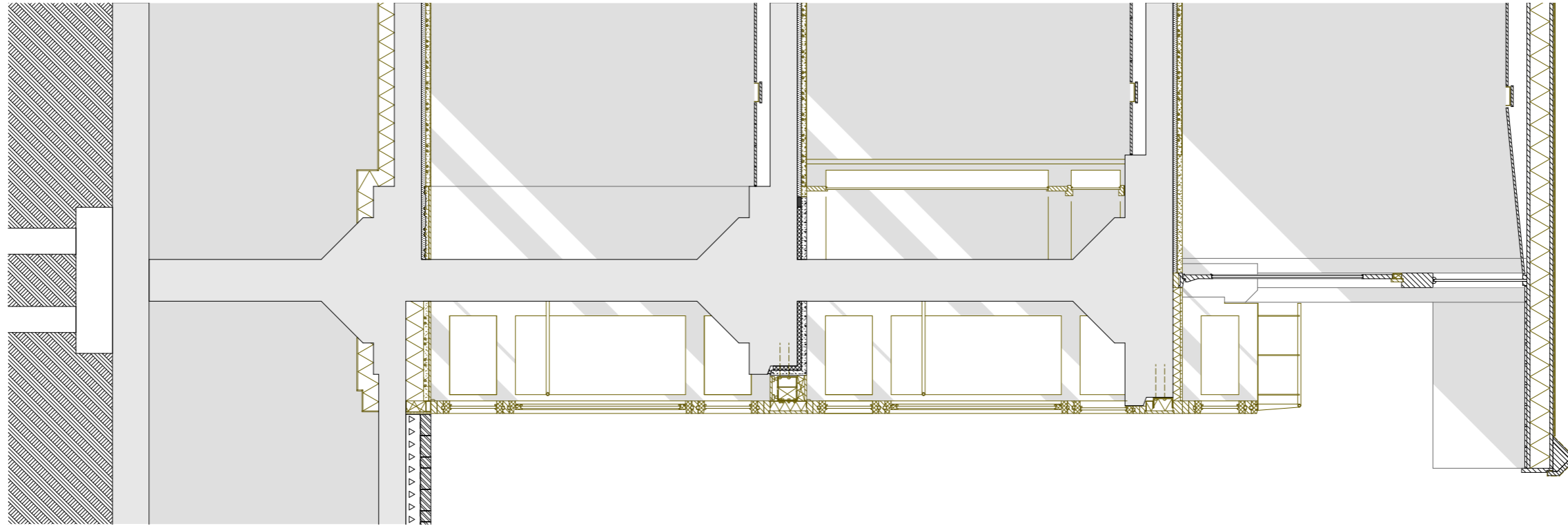


Private Discussion Room interior

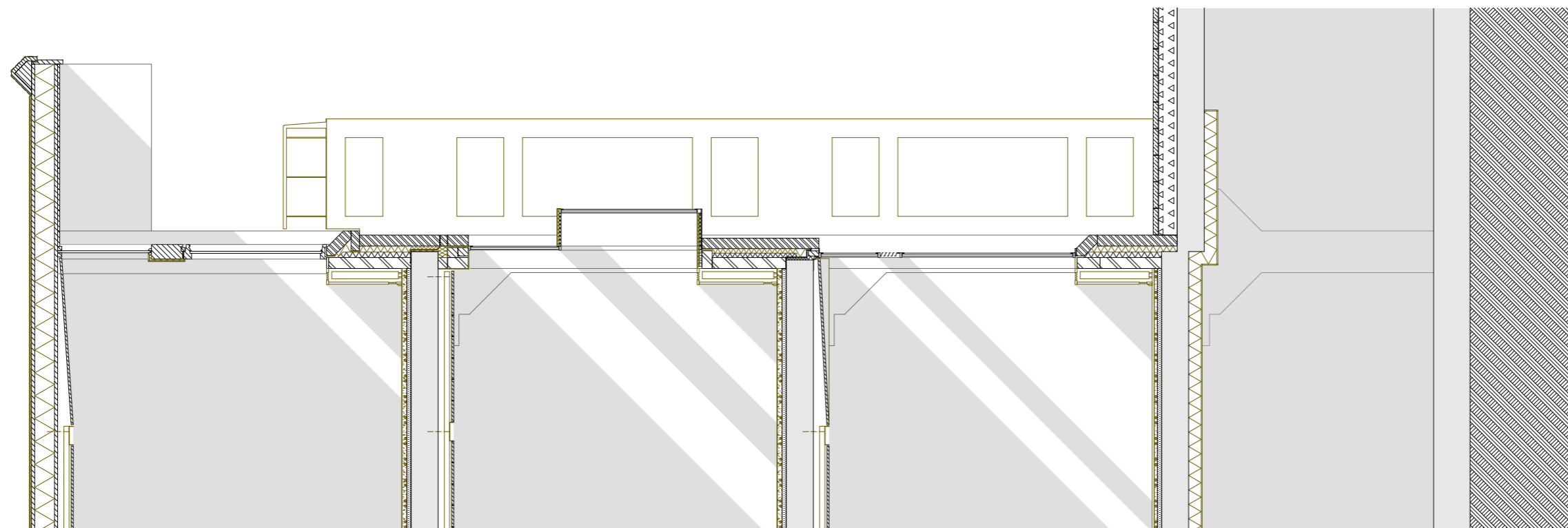
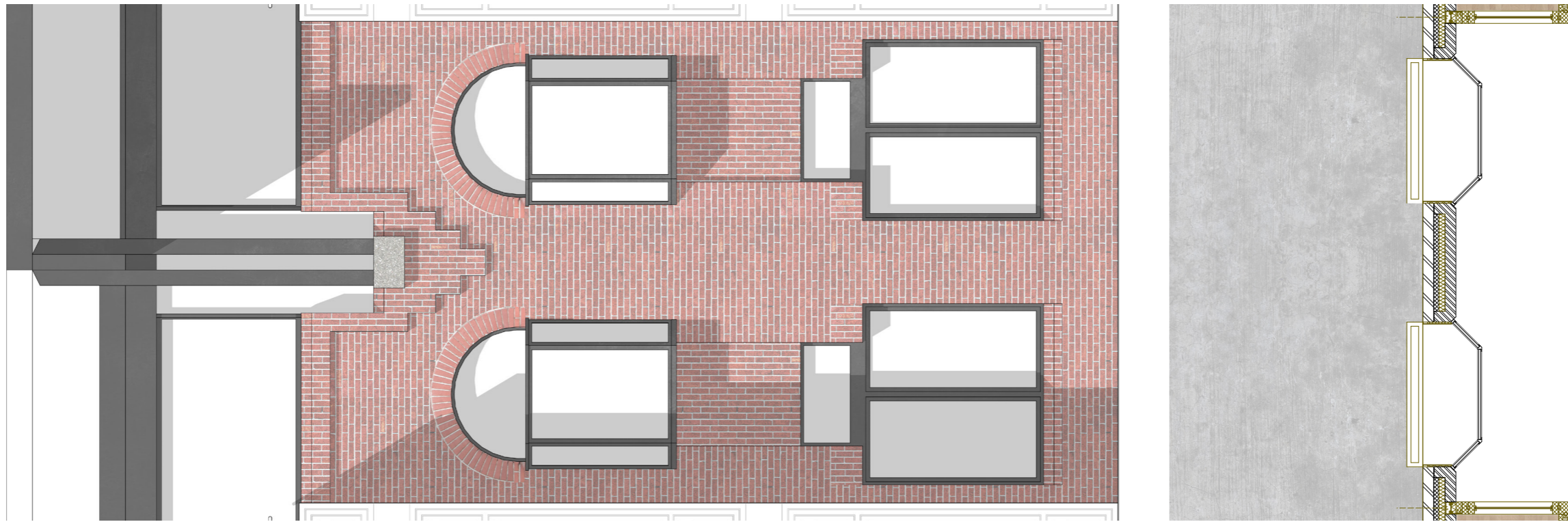


materials

Facade and section

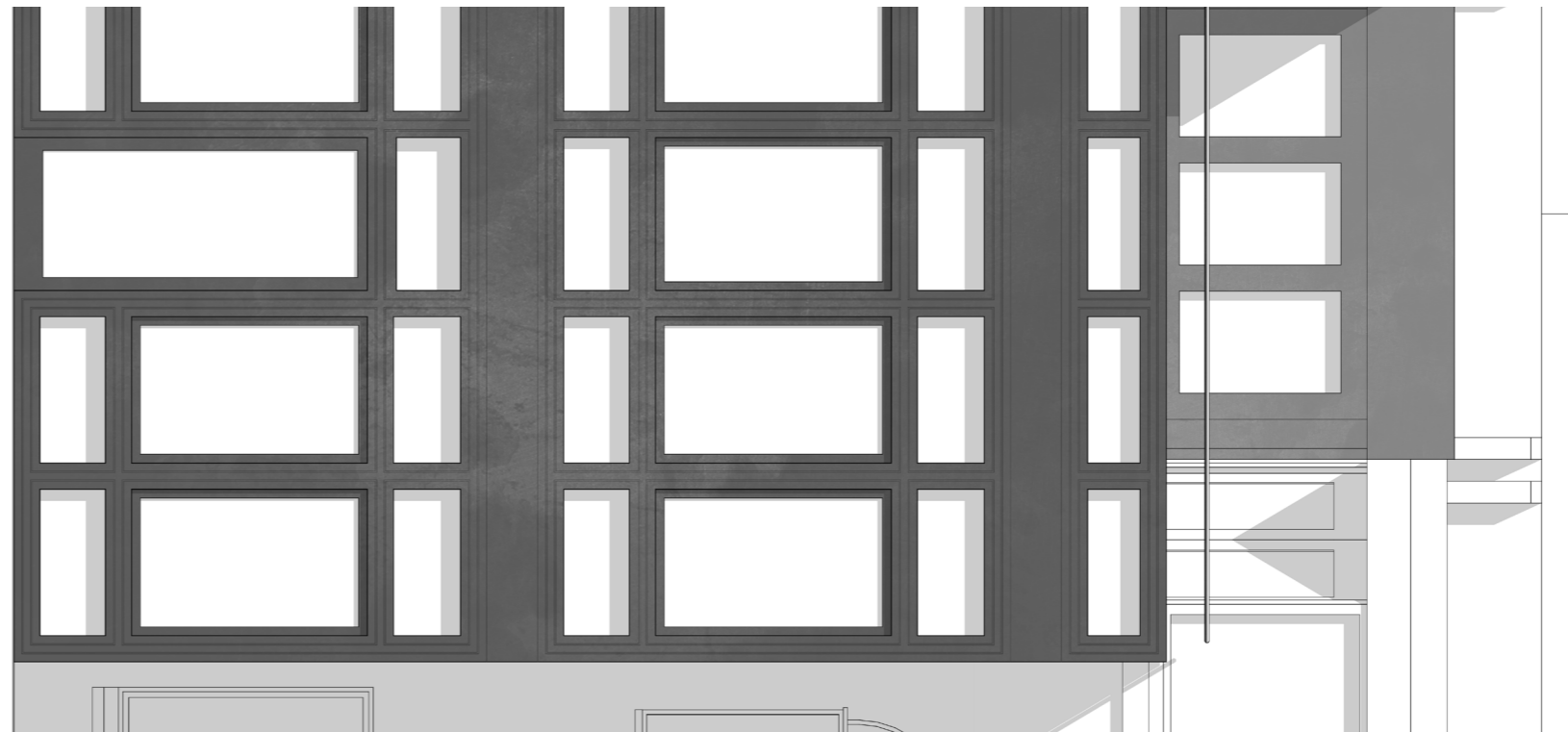
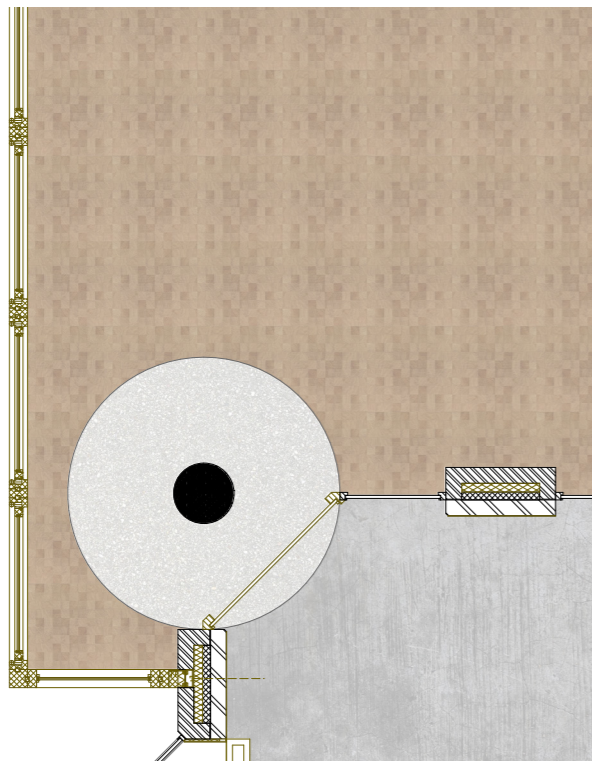
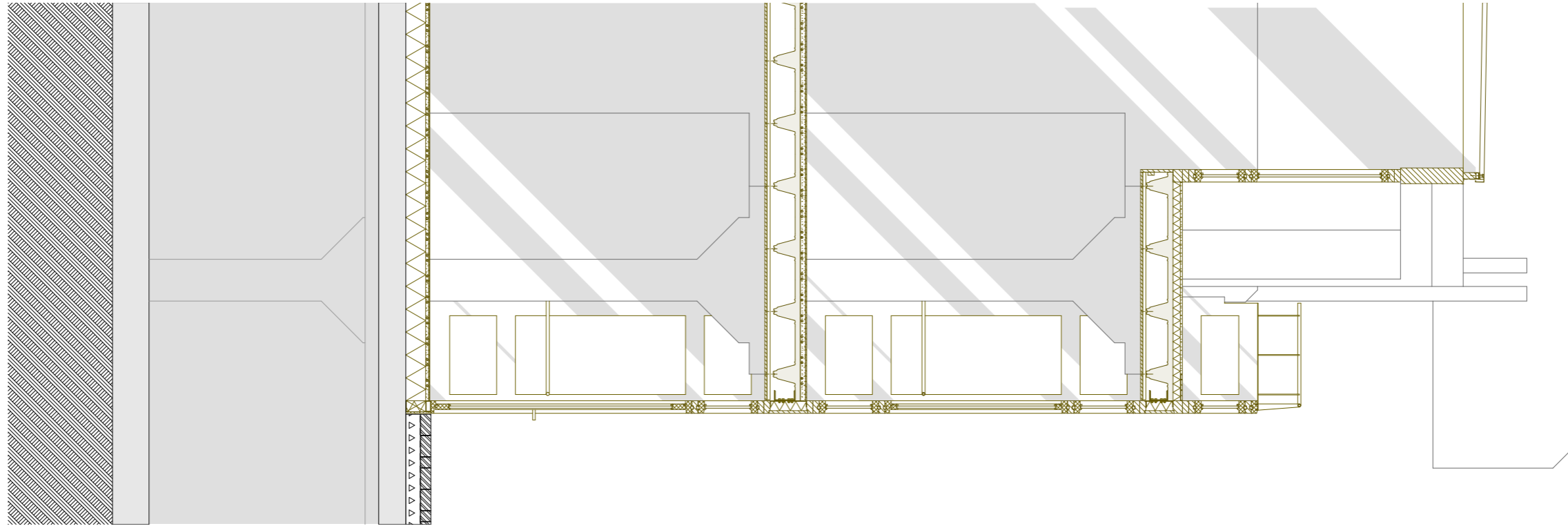


1:50 Facade section - existing facade/column embrace

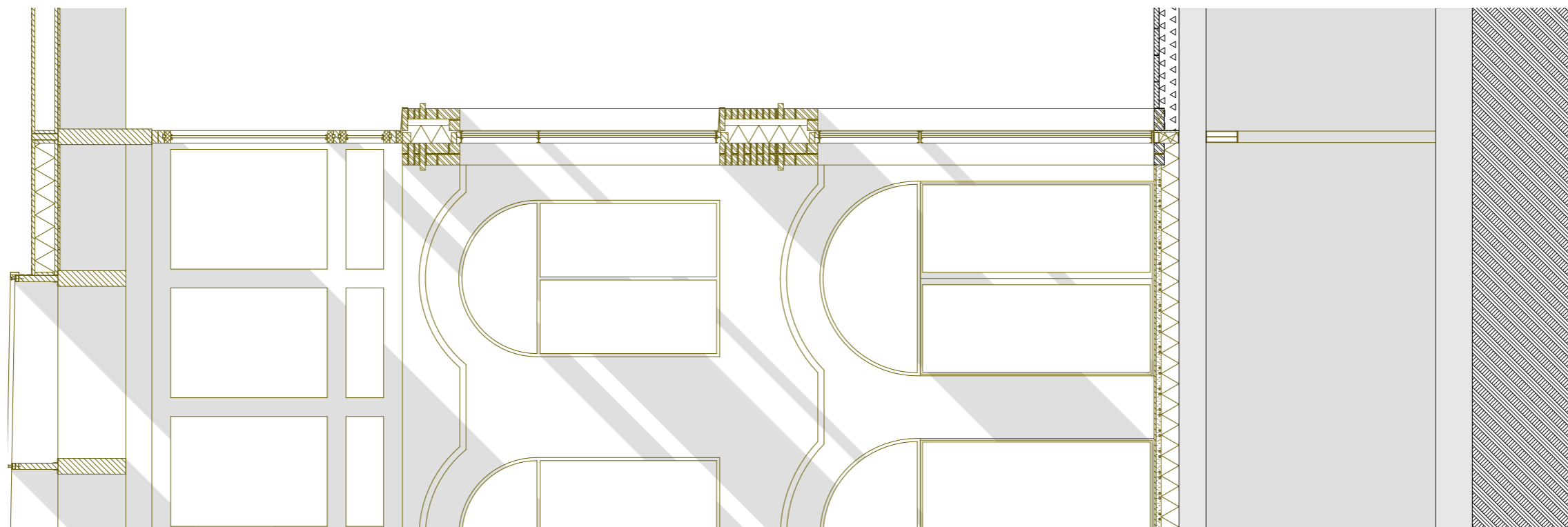
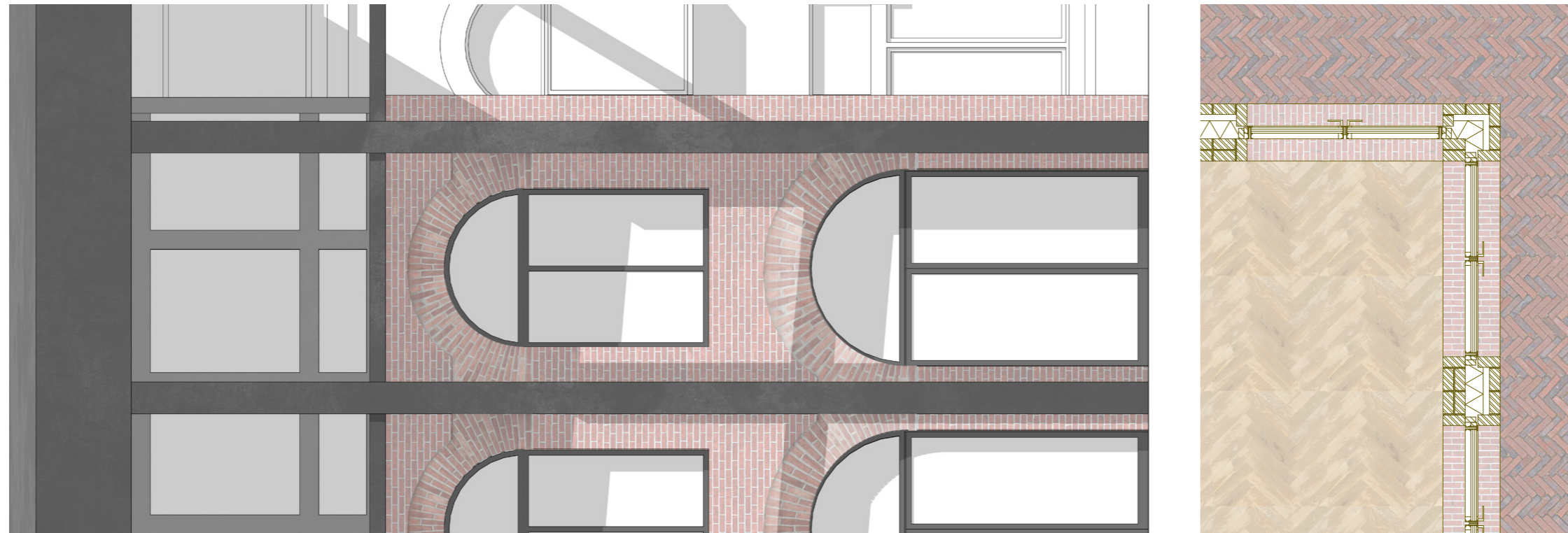


1:50 Facade section - existing facade/brick composition

Facade and section



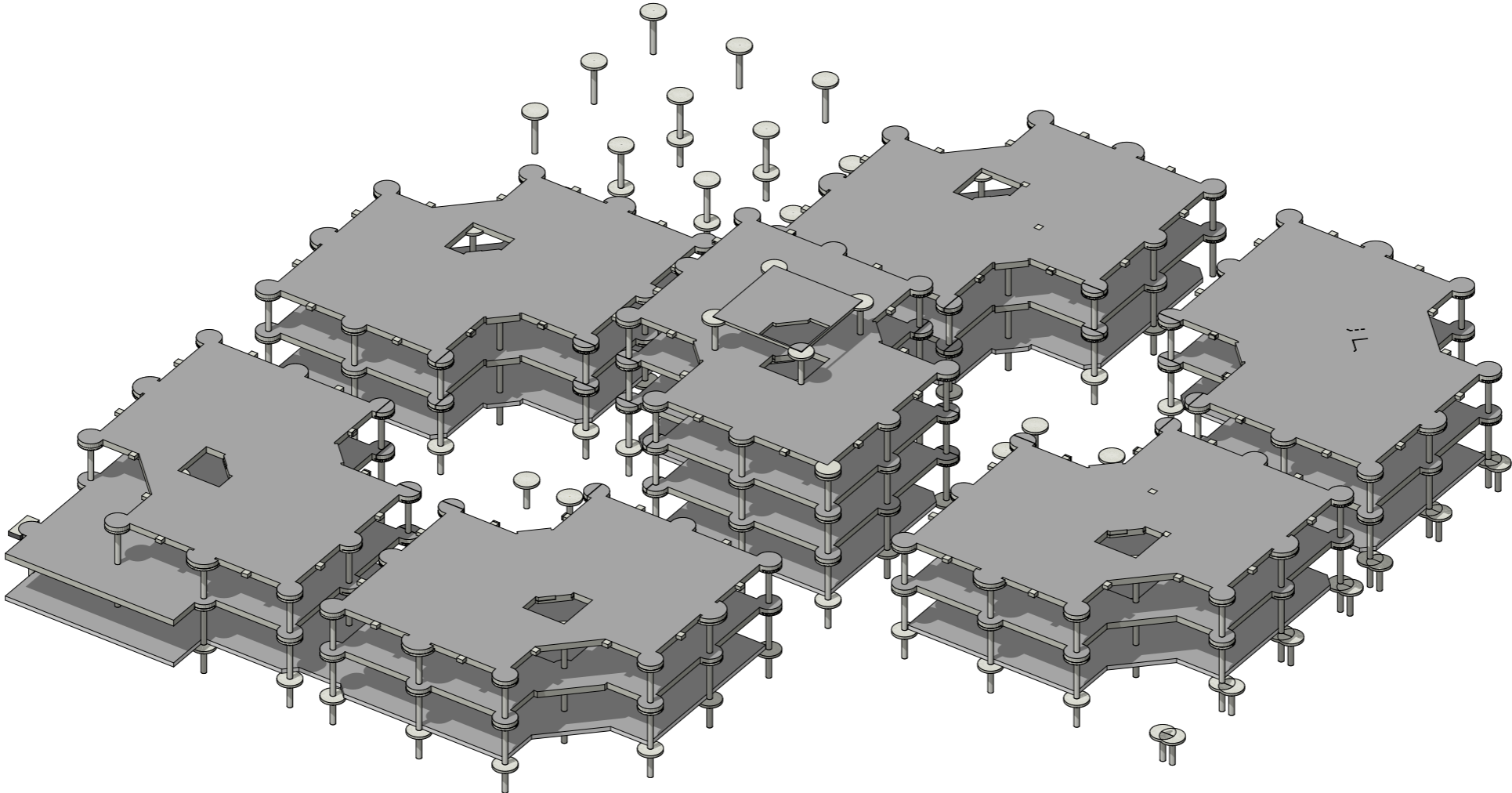
1:50 Facade section - new facade/streets



1:50 Facade section - new facade/entrance south cluster

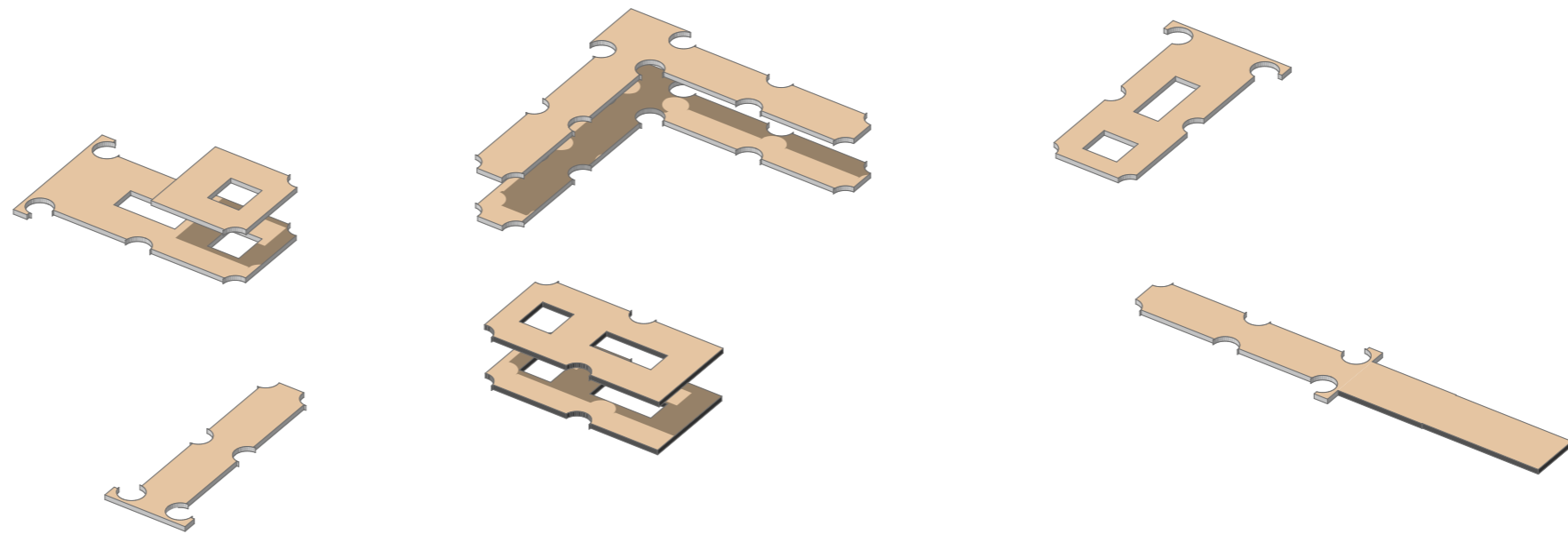
Material Layers

Concrete original



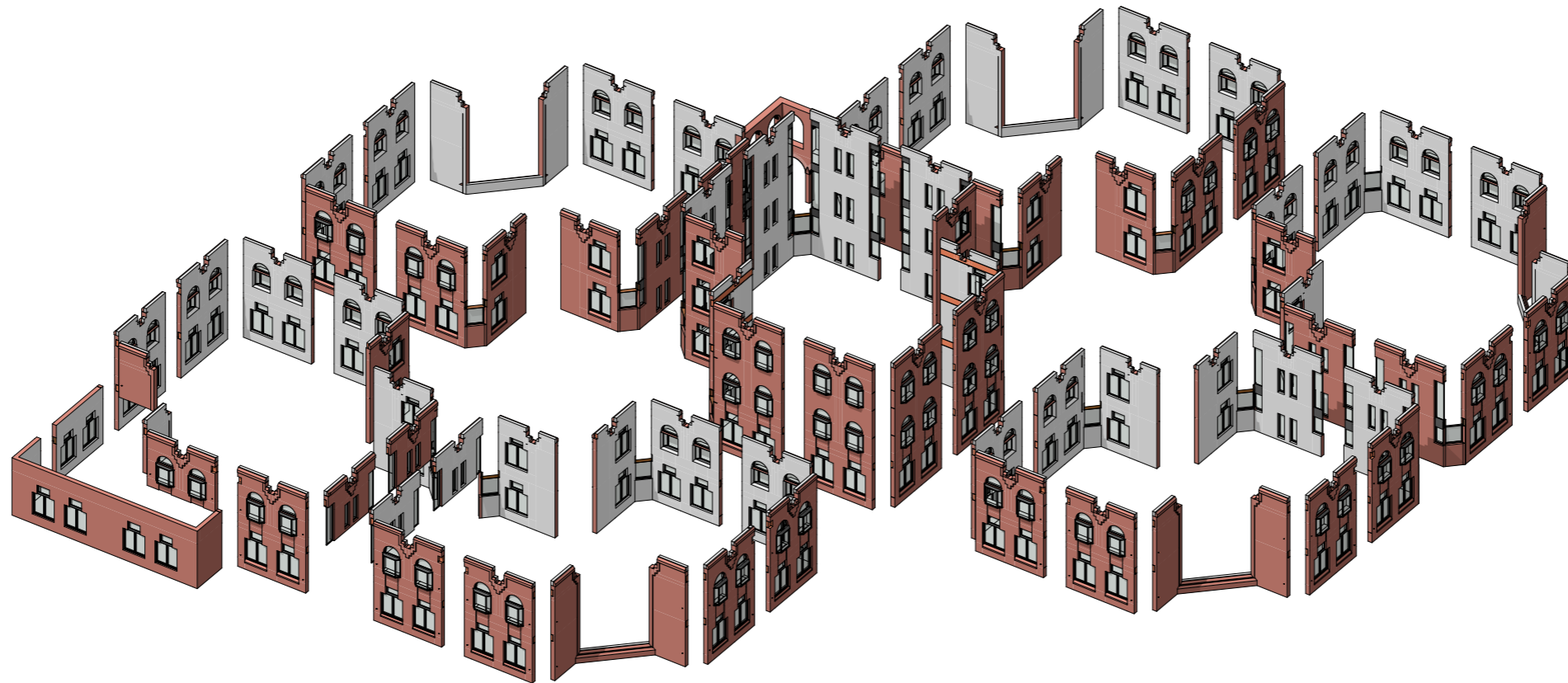
1:500

Concrete new



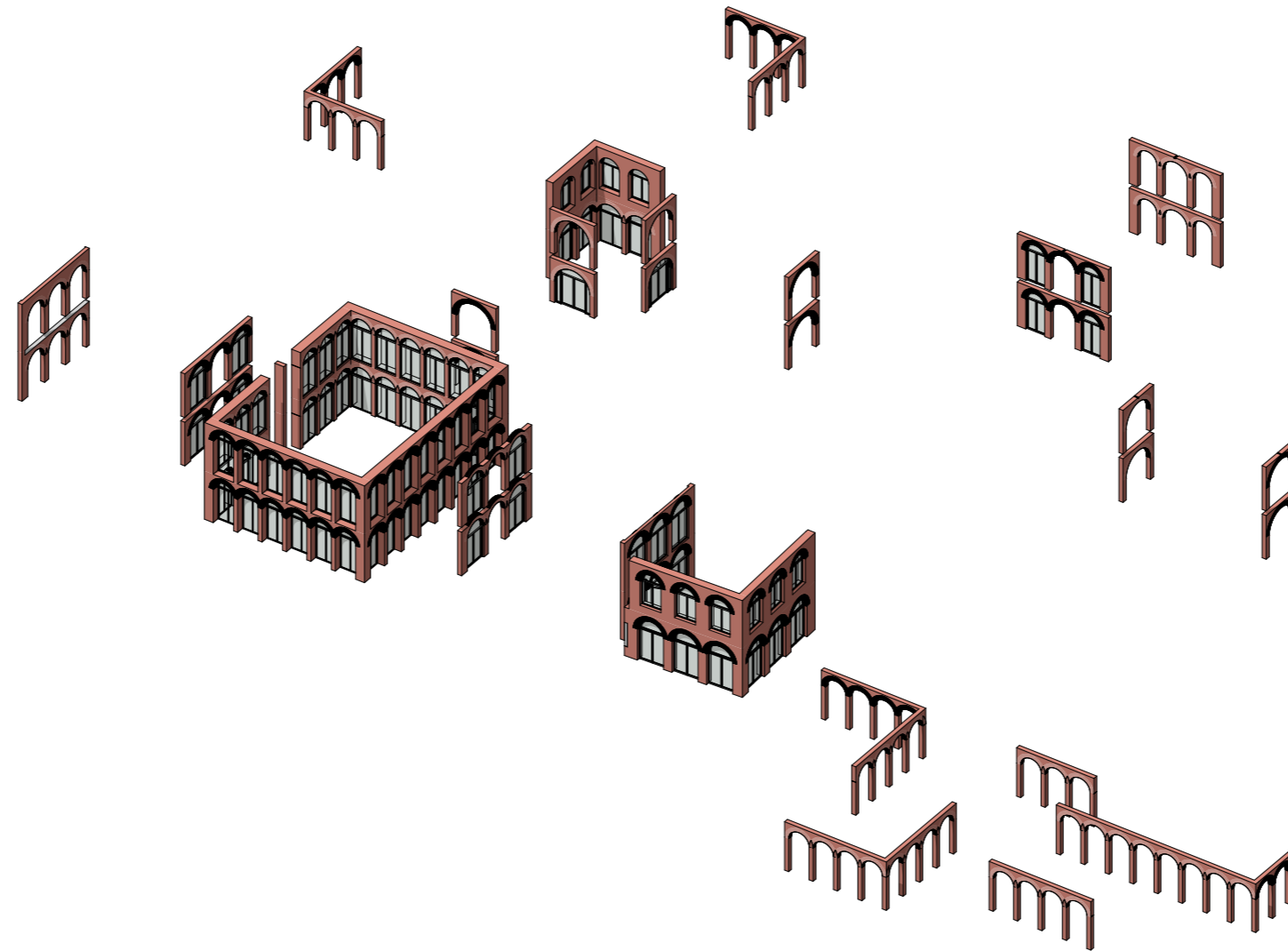
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Brick original



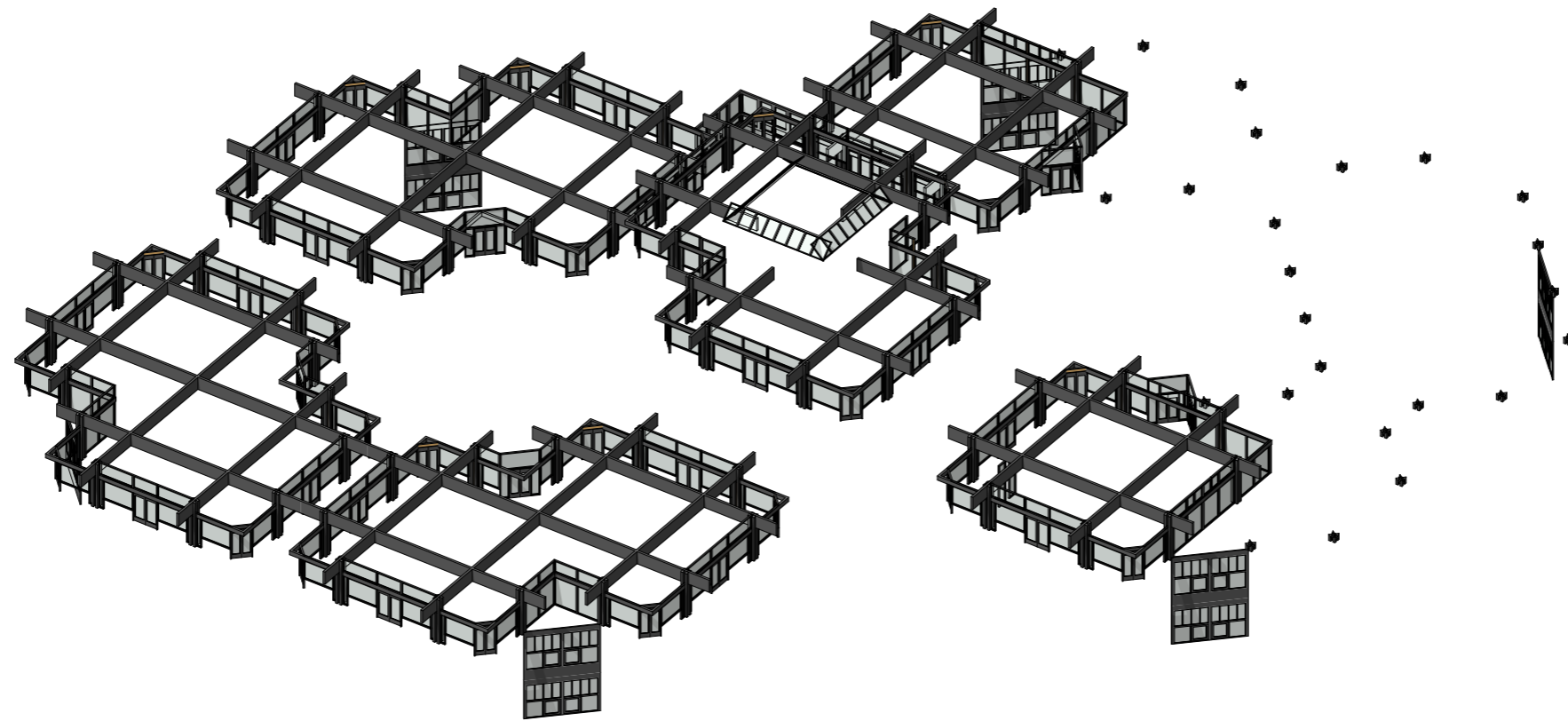
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Brick new



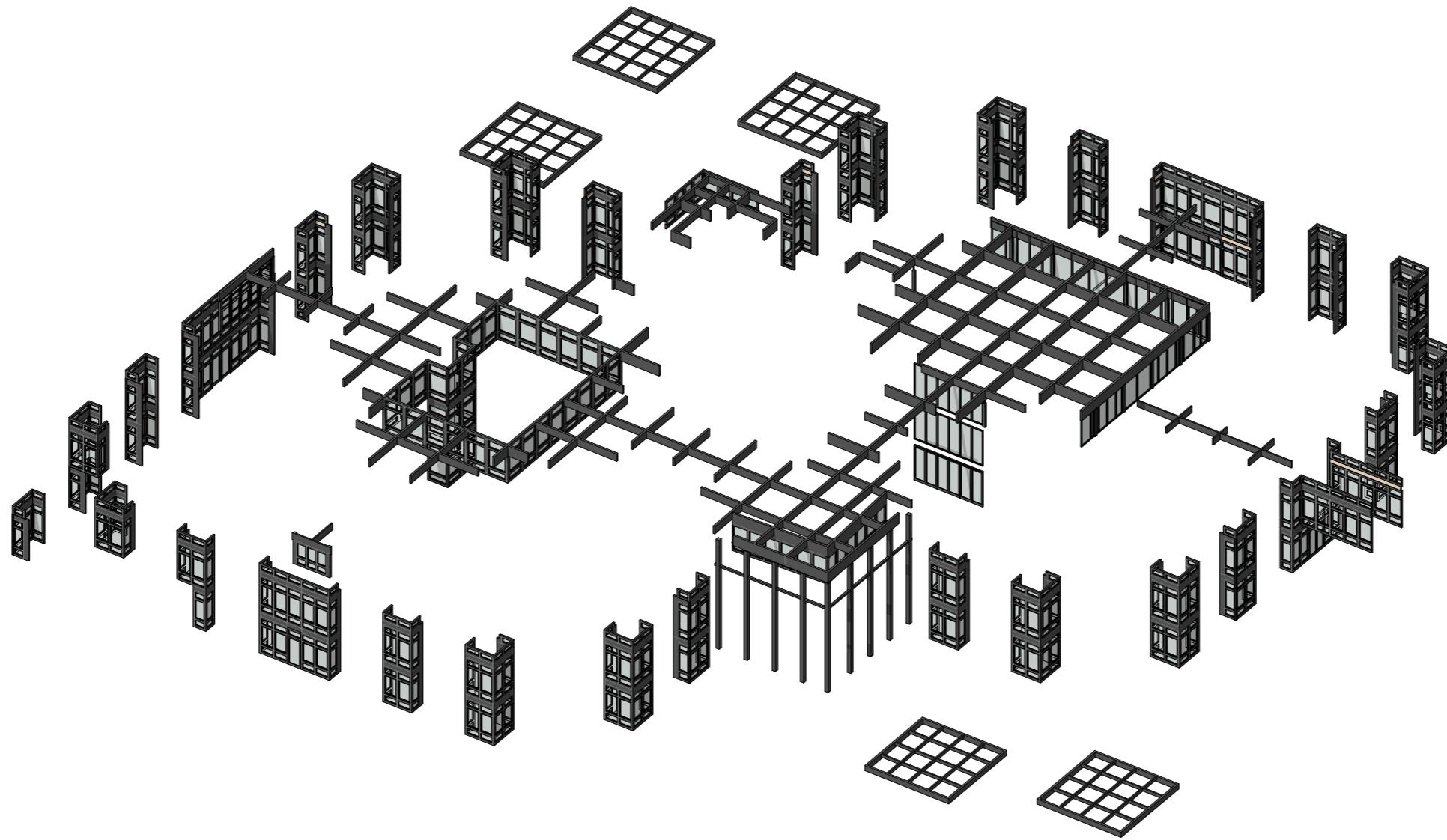
1:500

Wood original



1:500

Wood new



1:500

