

General Information:

Name of Course:

Course Code:

Semester:

Number of Credits:

Allotment of Hours per Week:

Evaluation:

Prerequisites:

DIPLOMA DESIGN PROJECT

PM-TESNE205

10th

30

15 Practical Lessons /Week

Signature (with grade)

Completed Design of Building Structures 2, and Complex Design

Instructors:

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Introduction, Learning Outcomes:

The Diploma Design Project is the last studio work in the Master of Architecture program, and is carried out as an individual design project during the final term of the programme. The course focuses on exploring a design problem, developing of design skills and methodologies in a specific area of interest, and engaging in design research within the architectural field.

Students have to be able demonstrate their academic and professional skills by discussing the Diploma Design Project in relation to contemporary concerns and in contemporary architectural context after completing the course.

The finished and accepted project is shown and present during the Final Exam Procedure at the front of a jury for demonstrate the acquired architectural knowledge and abilities.

The course will focus on:

- Individual design processing, and developing upon relevant methodologies and design techniques
- Manage complex architectural relationship like demonstrate a progression in terms of understanding relevant functional needs, programming and construction techniques in the same time
- Clear architectural communication of the project to a jury
- Carrying out within a specified time

The Students must complete a form to register for the Diploma Design Examination, and must have the required language exam in English.

General Course Description and Main Content:

This subject completes the study of students attending the M.Sc. programme. It aims to assess students' knowledge and expertise, and determine whether they satisfy the requirements of a M.Sc. degree.

The Degree Project's course includes:

- Regular (weekly) supervisions by an appointed Main Supervisor (teacher of the Architectural Institute). In a special situation, a practicing architect or a foreign lector invited from the partner institutions of the Faculty, or as specialist (Additional Supervision) of the designed function with relevant expertise in field of architectural technology can be delegated to be a consultant on the approval of the Head of the Program. There are generating feedbacks by Main Supervisor after consultations and exams.
- A Thesis Booklet (minimum 35 A/4 pages) prepared with diagrams and written way on the chosen topic of building, constructions, function, technology, special design solutions and methods. The specialised tasks are related to the building and their documentation is presented in the essay. The Thesis Booklet (essay) must be prepared and submitted in one bound copy and on a CD/DVD. It has to be like a project summary which is sent to the external jury approximately three weeks before the examinations.
- Process Dairy Booklet which is assessed as part of the regular supervision by the Main Supervisor contains sketches, ideas, the design process etc.
- Degree Project connected to the Thesis Booklet for planning permission of the designed building, as the summarise of the engineering working drawings documentation (ground plans, sections, elevations 1:100, 1:200), with a sufficient number of detail drawings (1:10, 1:5), and paper models (1:1000 and 1:100 or 1:200). The drawing tasks must be backed up and attached on CD/DVD to the diploma design project.
- Examinations in three stages (after the Schedule of the Course).

Methodology:

The course is based on individual architectural skills with regular consultations and presentations.

Schedule:

The semester is divided into three principle periods and attendant exercises.

The rough outline of the schedule is as follows:

Week 1-4: Draft Plan.

Week 5: First Review. PROJECT PRESENTATION 01. – CONCEPT DESIGN (March 3 - 4)

- Required contain presented with printed posters:
 - o Process Dairy Booklet (in progress)
 - o Analyses of the Chosen Function (inspirations, examples, conditions, relationships in space, needs requirements, etc.)
 - o Architectural Program (type, scale, use, form ideas, architectural ideas, materials, primer structures, functioning)
 - o Presentation of the Building Site (analyses, diagrams, maps, photos, master plans, geographical and morphological conditions)
 - o Site Plans (1:1000 or 1:500)
 - o Plot and Building's Surrounding Paper Modell (1:1000)

Week 6-12: Project (conception)

Week 13: Midterm Jury PROJECT PERESENTATION 02. – PRELIMINARY DESIGN (April 28 – 29)

- Required contain presented with printed posters:
 - o Process Dairy Booklet (in progress)
 - o Site Plan with Building's Surrounding (1:500) (with built and natural environment)
 - o Plans of Each Different Levels (1:500 or 1:200) (with openings, names and measures of spaces, and main structural measures)
 - o Sections (1:500 or 1:200) (with the necessary number of understanding)
 - o Elevations (1:500 or 1:200) (with the necessary number of understanding)

- Views, Details, Architectural Ideas (with the necessary number of understanding, min, 3.)
- Scale Modell (1:500 or 1:200)

Week 14-18: Project (developing, completing)

Week 19: Final Review. PROJECT PRESENTATION 03. – FINAL DESIGN PROJECT (June 9)

- Required contain presented with printed posters:
 - Thesis Booklet (detailed below)
 - General Description of Project (with analyses, function, architectural program, context and concept, presentation of building's site surround)
 - Site Plan (1:500) a./ the building site's boundaries, fences, gates, parking places b./ the contour lines of the slope, the main level heights c./ the connecting road system inside and outside the plot d./ the cardinal points e./ the planned buildings and objects of the plot with their names, main measures, and height dates f./ the sign and names of roads, covered and green areas, the main level heights g./ the height of ledge and ridge, the number of storeys h./ tracks of the public utilities i./ the circulation of vehicles, transportation, people with different signs j./ eventual possible extension
 - Plans of Each Different Levels (1:100 or 1:200 – discussed by the supervisor) a./ beyond the main dimensions contain the measures of each room b./ doors with opening direction, windows with subdivisions c./ marking the functional necessary installation d./ the names, measures and coverings of the rooms e./ marking the close surroundings
 - Sections (1:100 or 1:200 – discussed by the supervisor, in necessary number for understanding) a./ the typical height measures and the plan measures of the axis b./ the level heights c./ the names of the structures and materials, the order of layers d./ the main equipment with greater need of space
 - Elevations of Each Different Side (1:100 or 1:200 – discussed by the supervisor)
 - Views (in necessary number for understanding, min. 3 about the inner and 3 about the outer spaces), in high quality design and graphic
 - Interior Design Concept (views, details, render pictures, used materials and furniture etc.)
 - Technical Details (1:10, 1:20, 1: 50 - discussed by the supervisor)
 - Paper Models (1:100 or 1:200 about the building and the close environment, and 1:500 or 1.1000 with the built and natural environment)

FINAL EXAM (June 23 – 24)

Studio Culture:

The course is based on through collaboration, participation and discussions trough lessons. This is an interaction between Students and Faculty; used the teaching methods like 'Problem-based learning' and 'learning-by-doing'. The communication and work should be reflect a respect for fellow students and their desire to work with regard to noise levels, noxious fumes, etc – from each site of participants.

Attendance:

Attending is required all classes, and will impact the grade (max. 10%). Unexcused absences will adversely affect the grade, and in case of absence from more than 30% of the total number of lesson will be grounds for failing the class. To be in class at the beginning time and stay until the scheduled end of the lesson is required, tardiness of more than 20 minutes will be counted as an absence. In the case of an illness or family emergency, the student must present a valid excuse, such as a doctor's note.

The highest possible grade on the late project (in two weeks) is '2'. The Final Project cannot be turned in late.

Evaluation + Grading

Grading will follow the course structure with the following weight: Project Presentation - 01, 20%, Project Presentation 02, 20% and Project Presentation 03 50%. The remaining 10% will be assessed according to participation, progress, effort and attitude. Please note that attendance will adversely affect one's grade, both in direct grade reduction and in missing work in the development of a project. The final grade will be based on the following guidelines:

5. Outstanding work. Execution of work is thoroughly complete and demonstrates a superior level of achievement overall with a clear attention to detail in the production of drawings, models and other forms of

representation. The student is able to synthesize the course material with new concepts and ideas in a thoughtful manner, and is able to communicate and articulate those ideas in an exemplary fashion in.

4. High quality work. Student work demonstrates a high level of craft, consistency, and thoroughness throughout drawing and modelling work. The student demonstrates a level of thoughtfulness in addressing concepts and ideas, and participates in group discussions. Work may demonstrate excellence but less consistently than an '5' student.

3 Satisfactory work. Student work addresses all of the project and assignment objectives with few minor or major problems. Graphics and models are complete and satisfactory, exhibiting minor problems in craft and detail.

2. Less than satisfactory work. Graphic and modelling work is substandard, incomplete in significant ways, and lacks craft and attention to detail.

1. Unsatisfactory work. Work exhibits several major and minor problems with basic conceptual premise, lacking both intention and resolution. Physical representation in drawing and models is severely lacking, and is weak in clarity, craft and completeness.

Grading Scale:

Numeric Grade:	5	4	3	2	1
Evaluation in points:	89%-100%	77%-88%	66%-76%	55%-64.5%	0-54%

PTE Grading Policy:

Information on PTE's grading policy can be found at the following location:

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Students with Special Needs:

Students with a disability and needs to request special accommodations, please, notify the Deans Office. Proper documentation of disability will be required. All attempts to provide an equal learning environment for all will be made.

Readings and Reference Materials:

<http://www.amazon.com/Architectural-Graphic-Standards-11th-Edition/dp/0471700916>

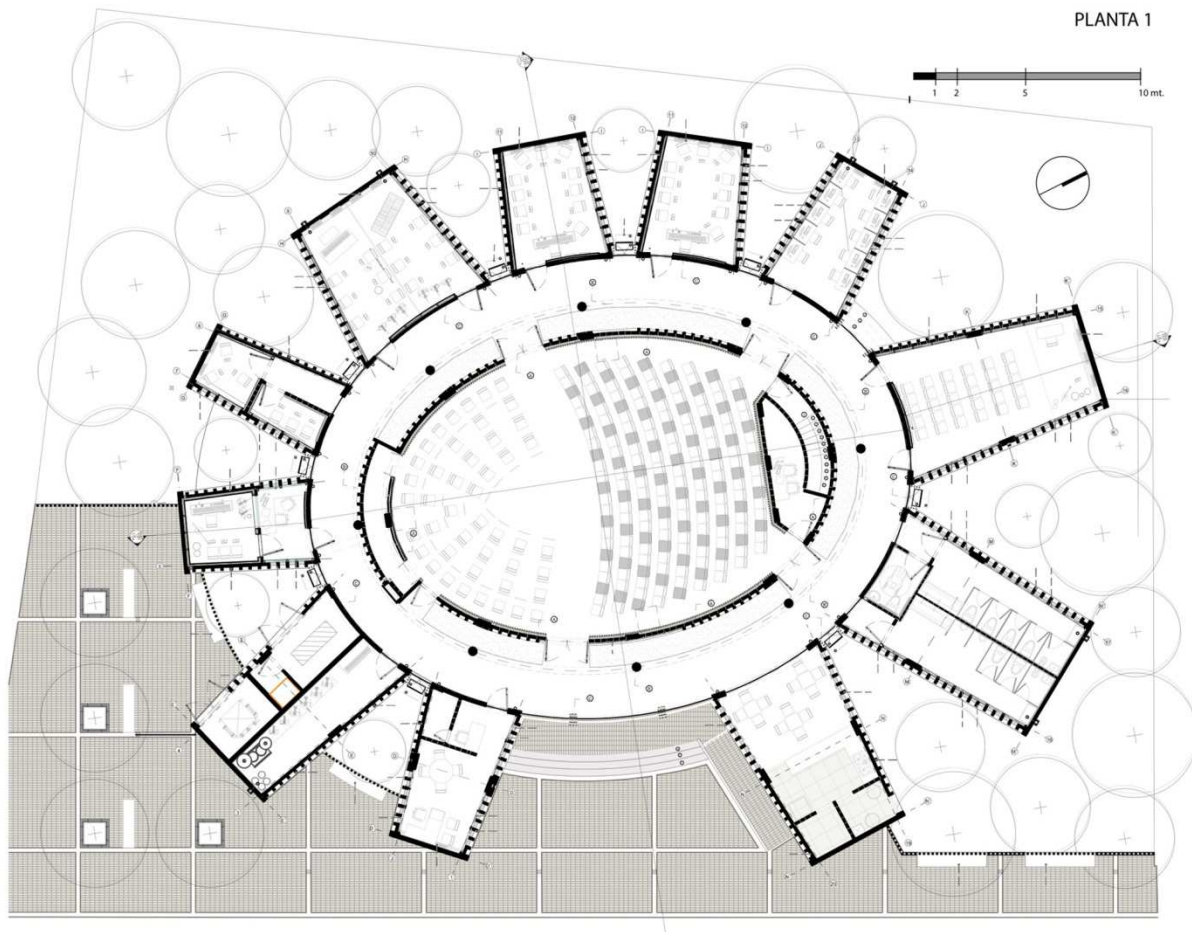
http://arch-grafika.ru/news/francis_d_k_ching_architectural_graphics_4th_edition/2014-03-10-2226

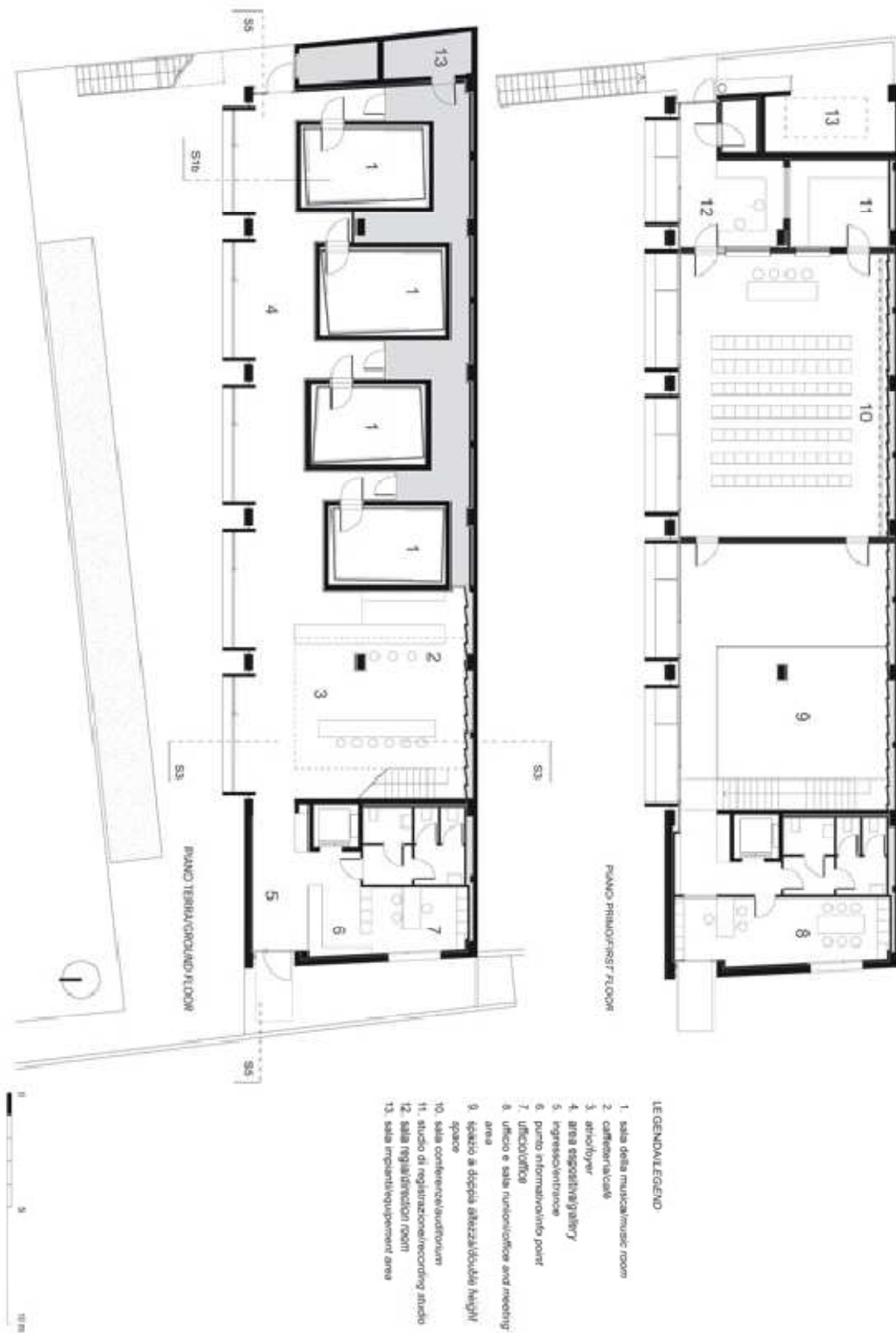
<http://www.amazon.com/Architectural-Graphics-Francis-D-Ching/dp/0470399112>

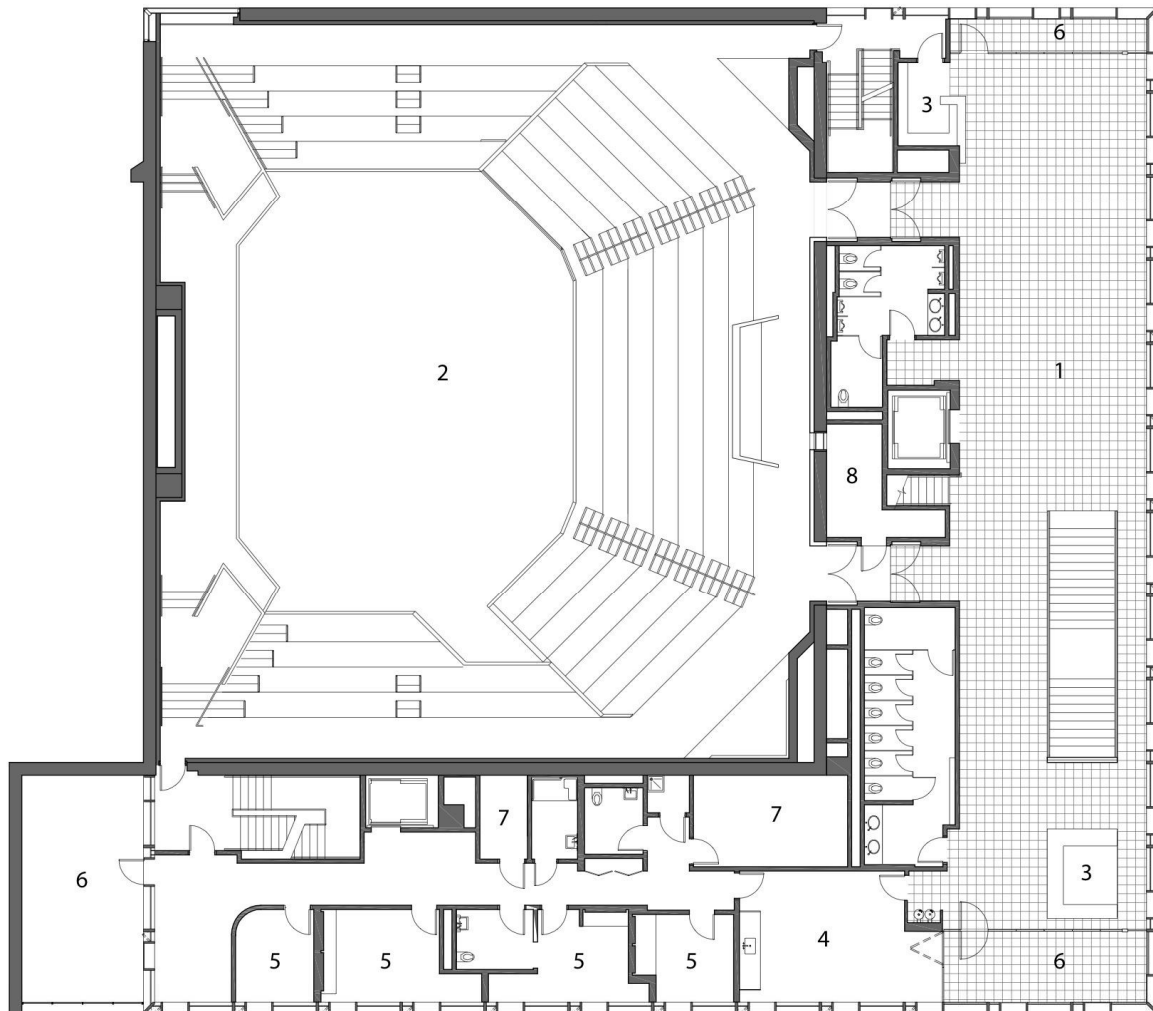
DIPLOMA DESIGN PROJECT

RECOMMENDED FUNCTIONS

1. SCHOOL OF MUSIC/MUSIC VENUE

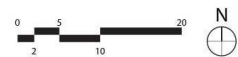


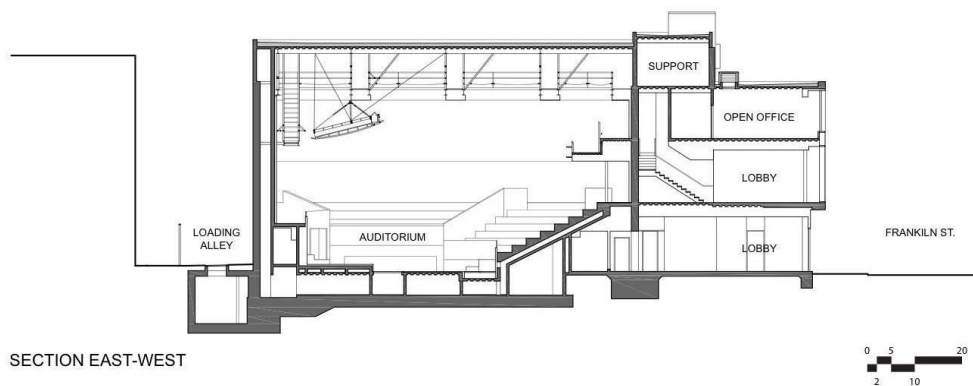
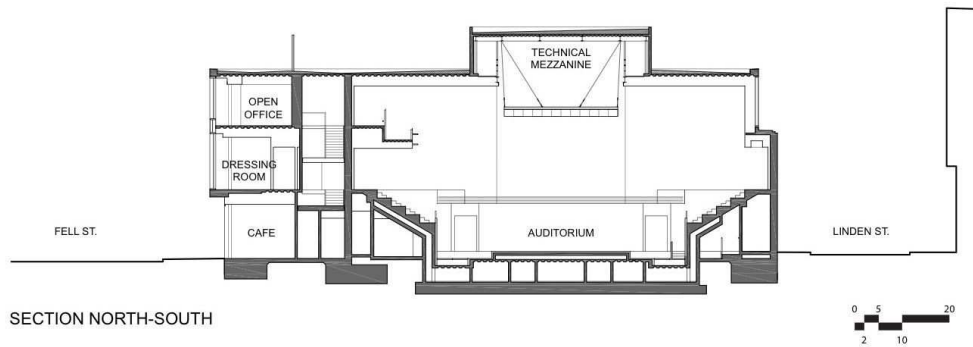




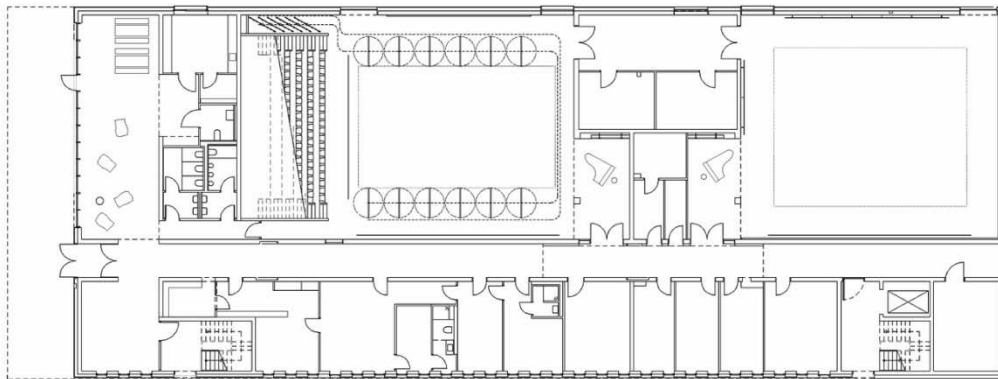
LEGEND:

1. PUBLIC LOBBY
2. AUDITORIUM
3. BAR AREA
4. GREEN ROOM
5. DRESSING ROOMS
6. OUTDOOR TERRACE
7. SUPPORT
8. PROJECTION ROOM



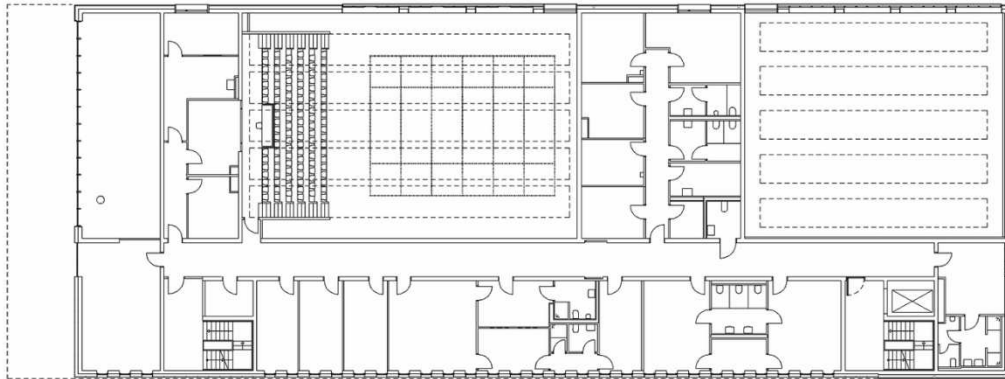


2. DANCE HALL/BALLET SCHOOL

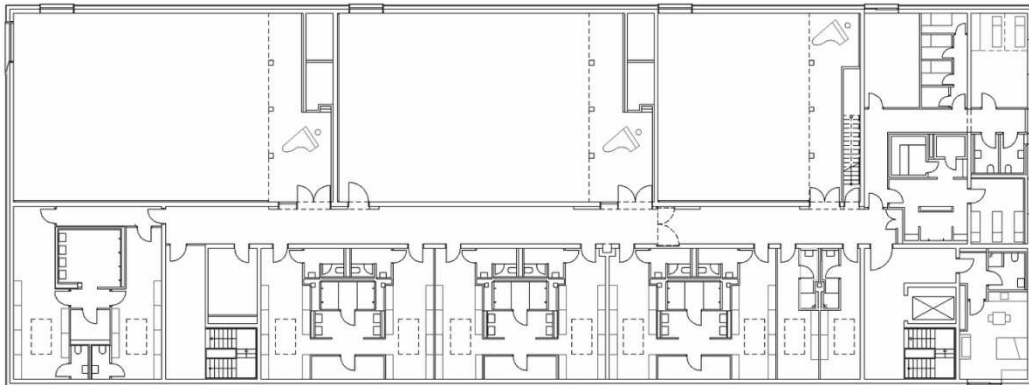


Ballett am Rhein
Grundriss EG



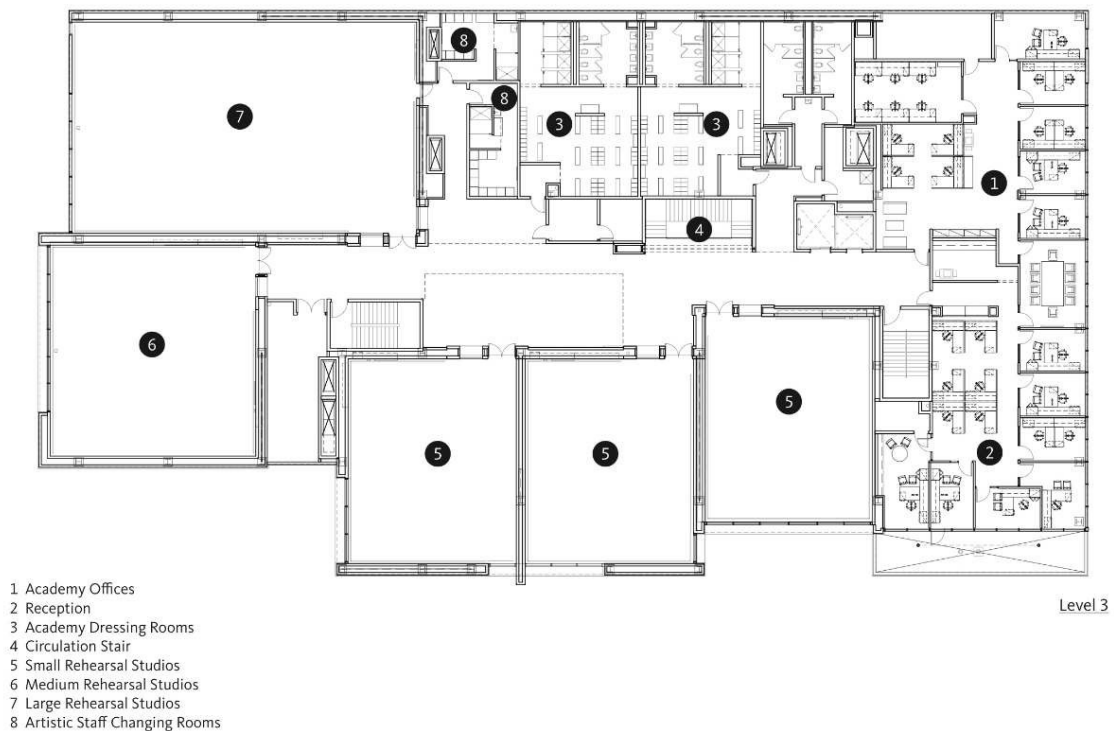
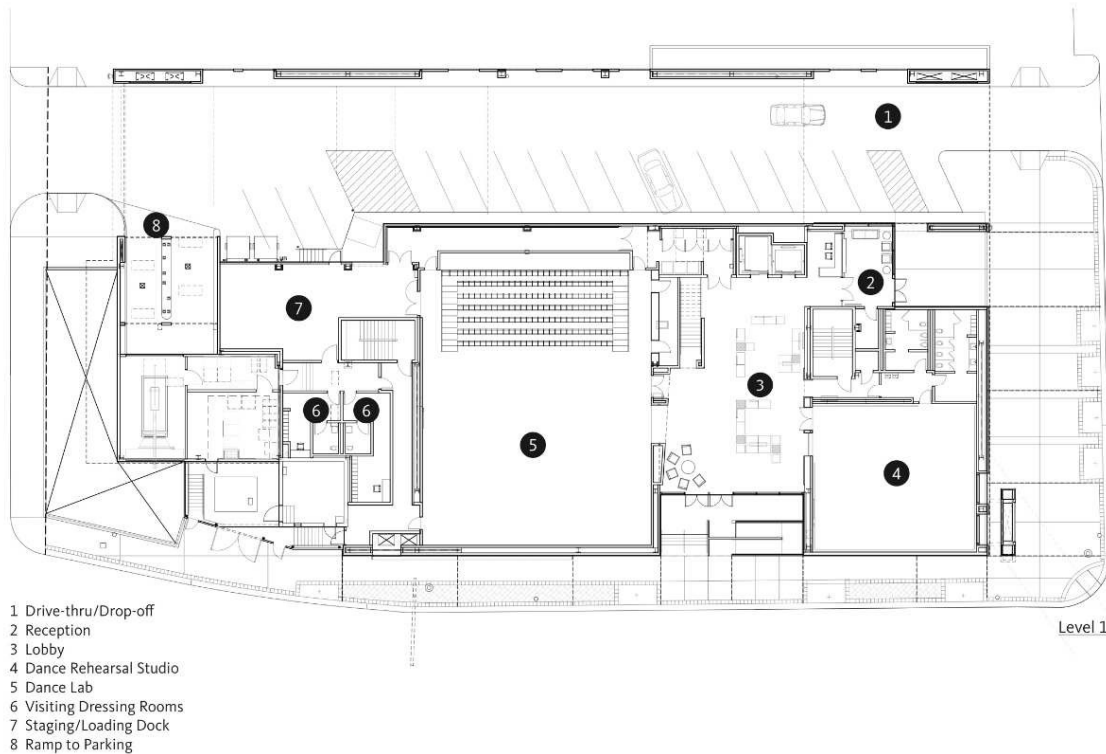


Ballett am Rhein
Grundriss 1. OG

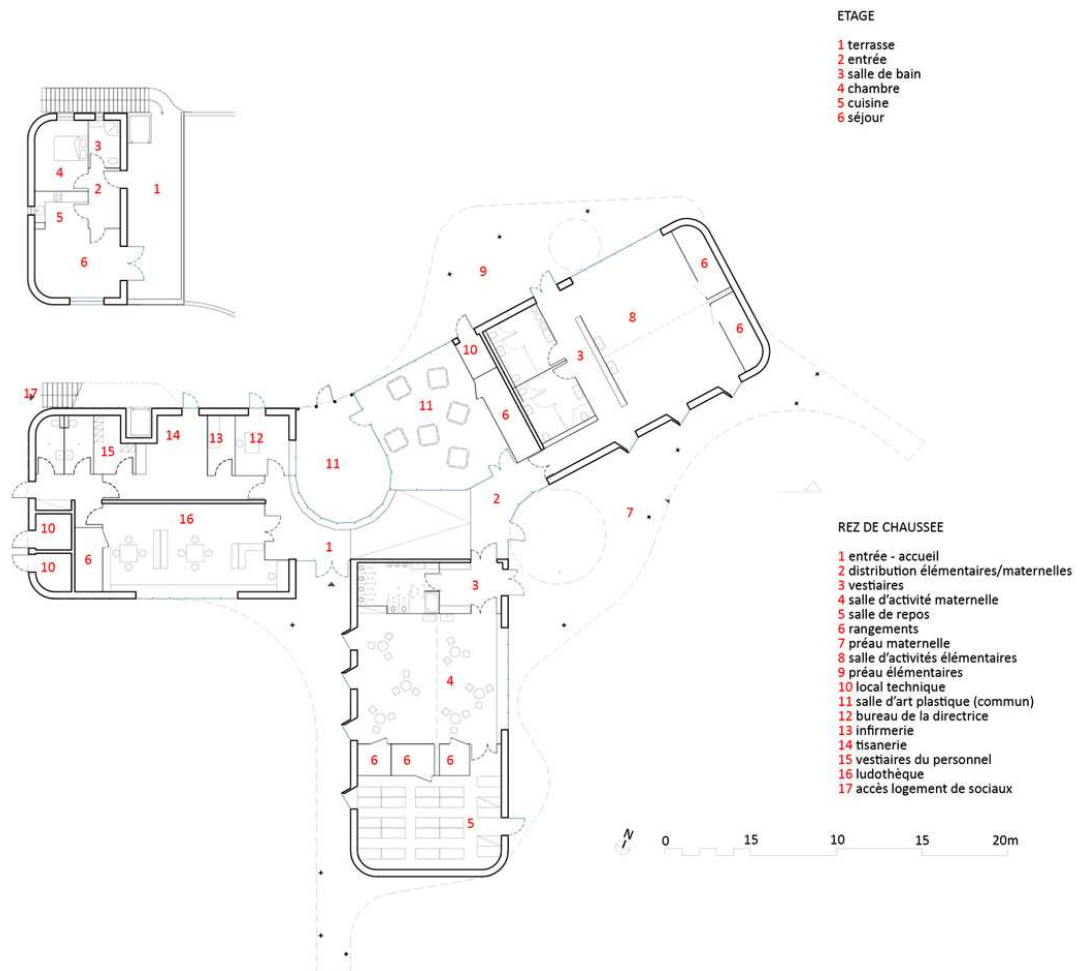


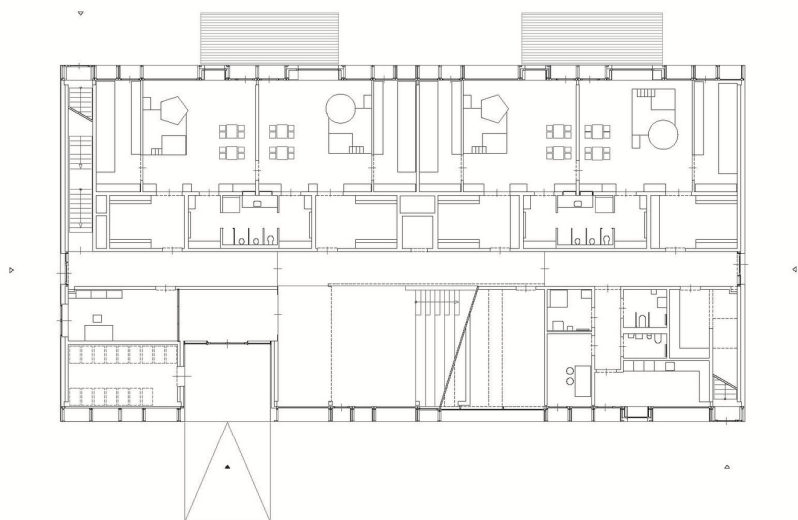
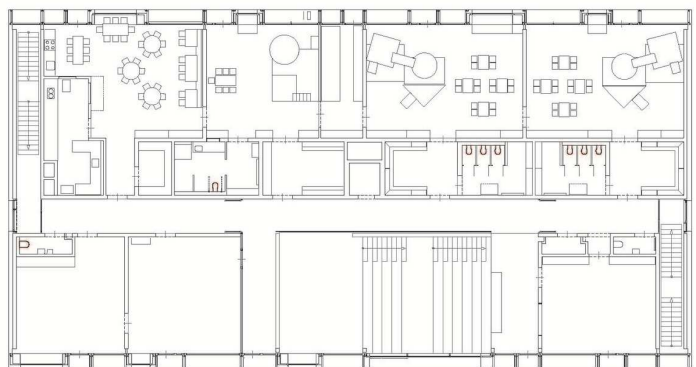
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3. DAY CARE CENTER/NURSERY SCHOOL







4. HEALTH CENTER/ MEDICAL FACILITIES



planta primera

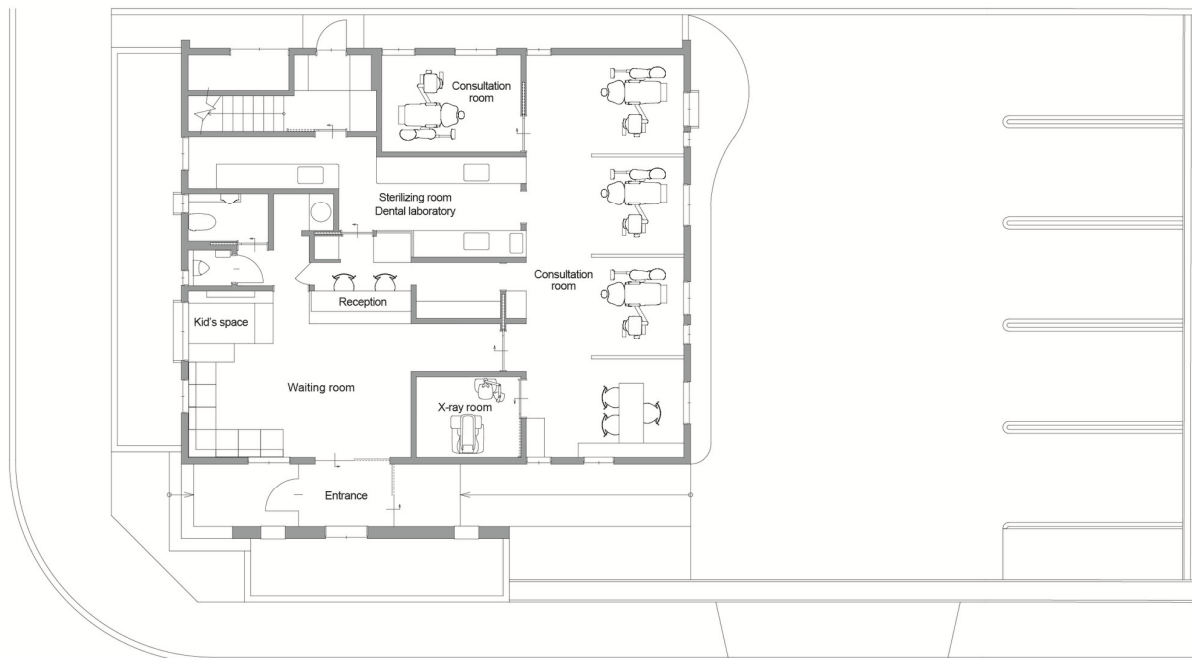
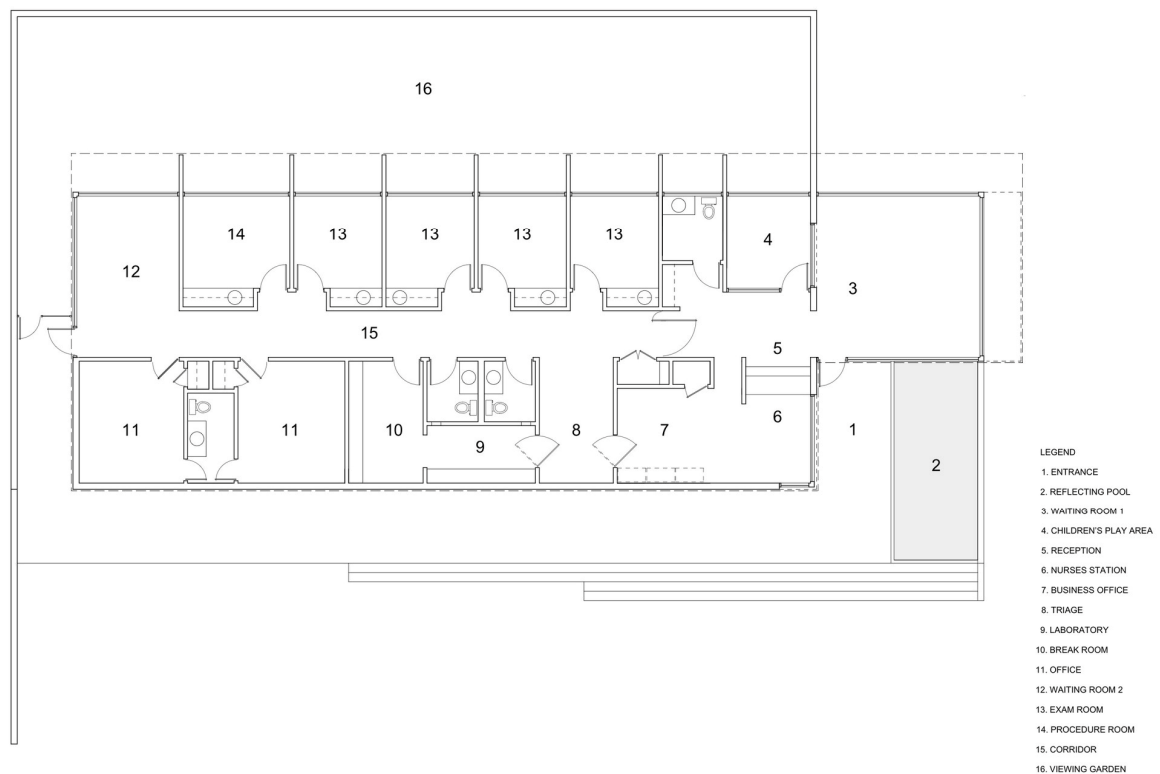


planta baja



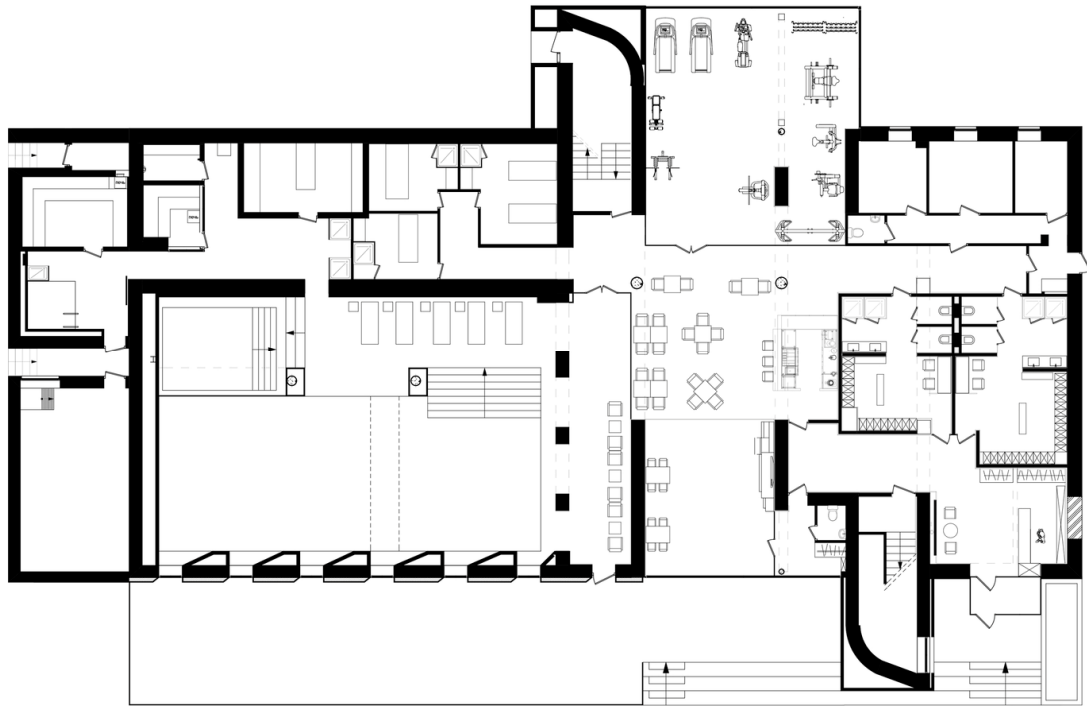
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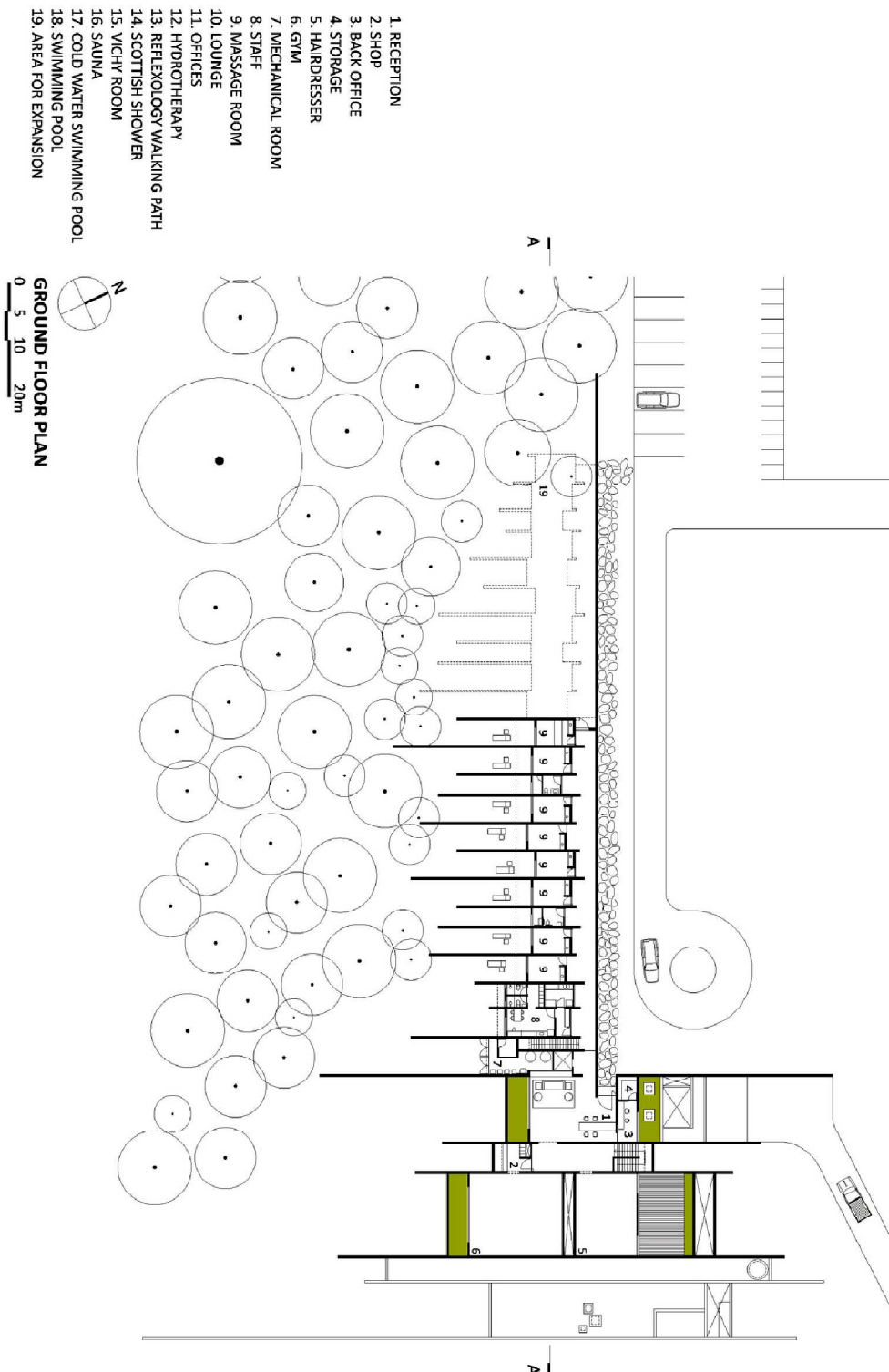


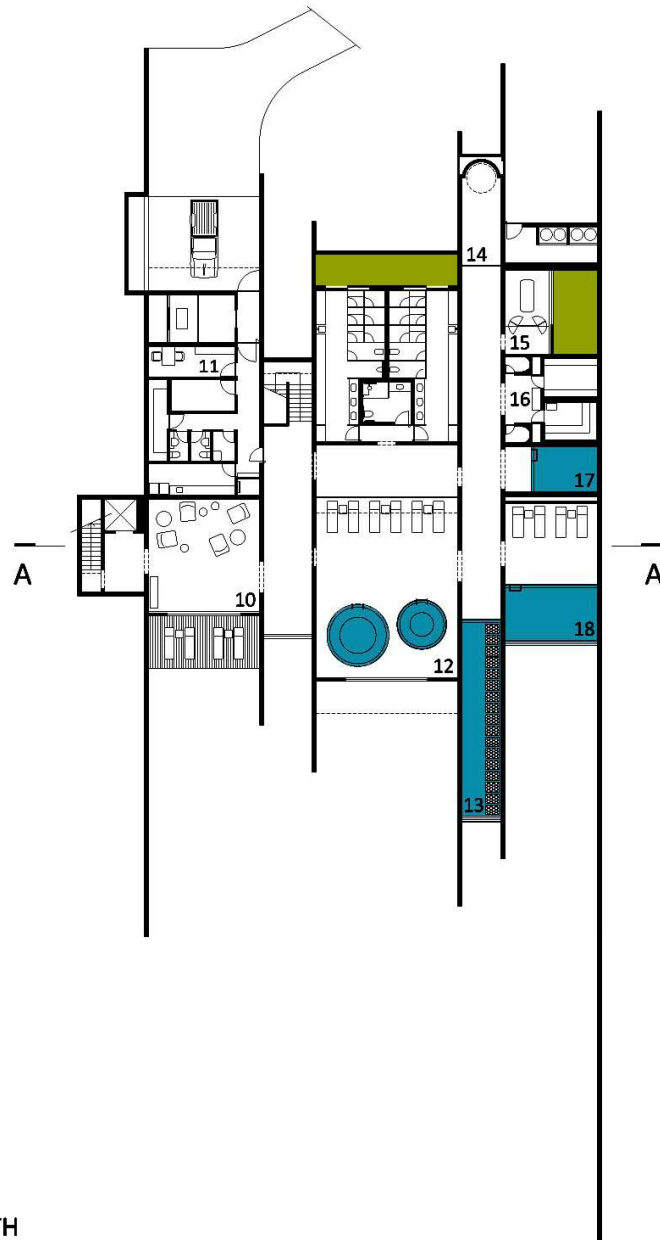


GROUND FLOOR PLAN

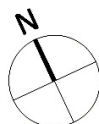
5. BATH HOUSE/ SPA







1. RECEPTION
2. SHOP
3. BACK OFFICE
4. STORAGE
5. HAIRDRESSER
6. GYM
7. MECHANICAL ROOM
8. STAFF
9. MASSAGE ROOM
10. LOUNGE
11. OFFICES
12. HYDROTHERAPY
13. REFLEXOLOGY WALKING PATH
14. SCOTTISH SHOWER
15. VICHY ROOM
16. SAUNA
17. COLD WATER SWIMMING POOL
18. SWIMMING POOL
19. AREA FOR EXPANSION



LOWER FLOOR PLAN

0 5 10 20m