

D4 RESIDENTIAL
DESIGN STUDIO

MIDTERM

TABLE OF CONTENTS

I

COURSE INTRODUCTION
& DESIGN TOOL DEVELOPMENT

course introduction
A1 human behavior charrette
A2 original design overview

II

PROFILING & RESIDENTIAL
HOME

A3 client profile
A4 site & building analysis
A5 program & design guidelines
A6.1 design concept

III

SCHEMATIC DESIGN

A6.2 space planning

I

COURSE INTRODUCTION

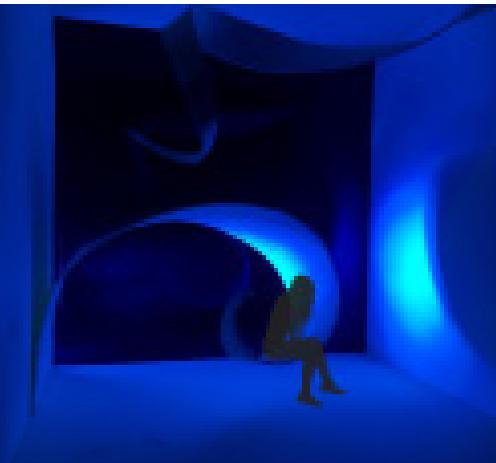
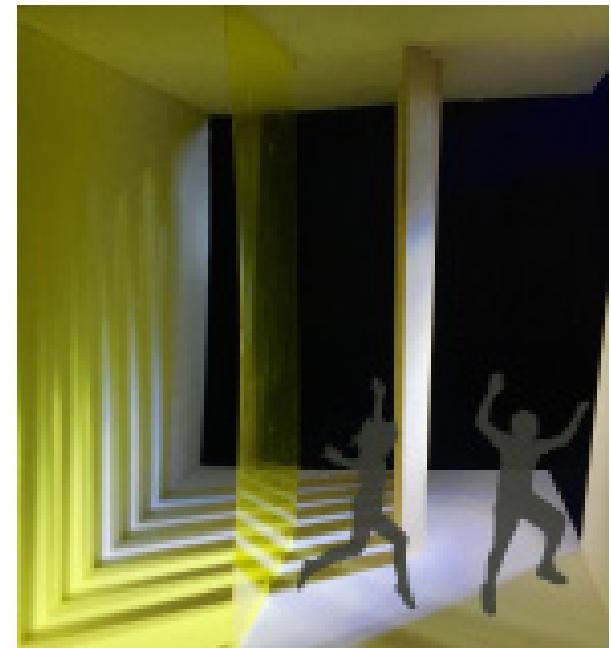
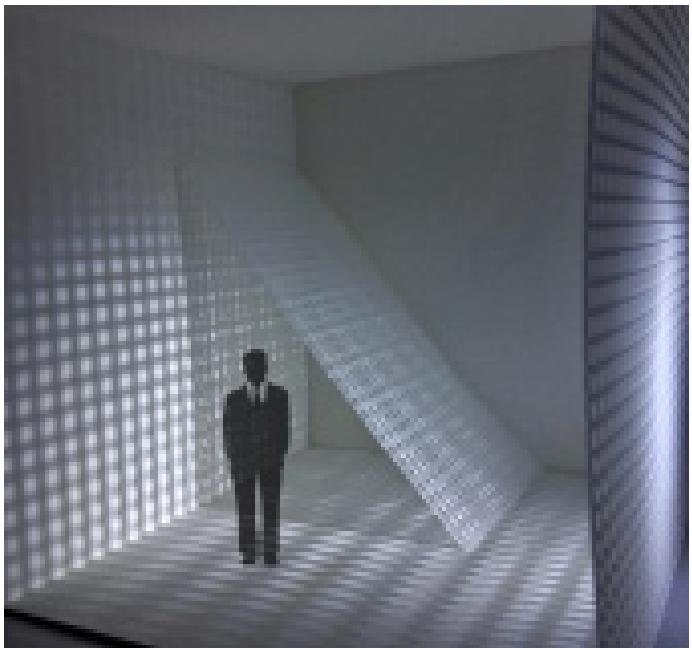


D4 “Residential Design Studio” is a course shaped to prepare students as they transition into the graduate design program. The studio course focuses on exploring programmatic and spacial issues, as well as conceptual thinking and growing these concepts through a thorough design process.

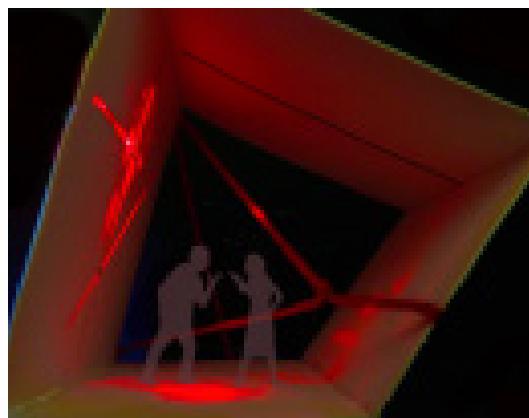
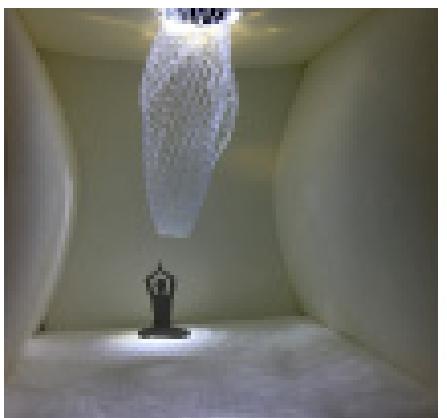
By the end of D4, students will have developed their abilities to communicate ideas and express concepts through diagramming and modeling.

A1 HUMAN BEHAVIOR CHARRETE

I



1. Intellectual
2. Playful
3. Wonderous
4. Focused
5. Melancholic
6. Zoned
7. Tranquil
8. Enlightened
9. Zen
10. Rage



A1 Human Perception Charrete

ASSIGNMENT DESCRIPTION

To identify and understand the way an interior space can evoke mood and/or emotion through concepts. This is achieved by creating 10 study models (5x5" base template) that evoke mood/emotion through a design concept.

CONCLUSION

Light, color, and elements are factors that play the role of shaping the emotions or moods that interior spaces transmit. I learned that using different materials also allowed light to shine very differently in each model.

A2 ORIGINAL DESIGN OVERVIEW

I

ASSIGNMENT DESCRIPTION

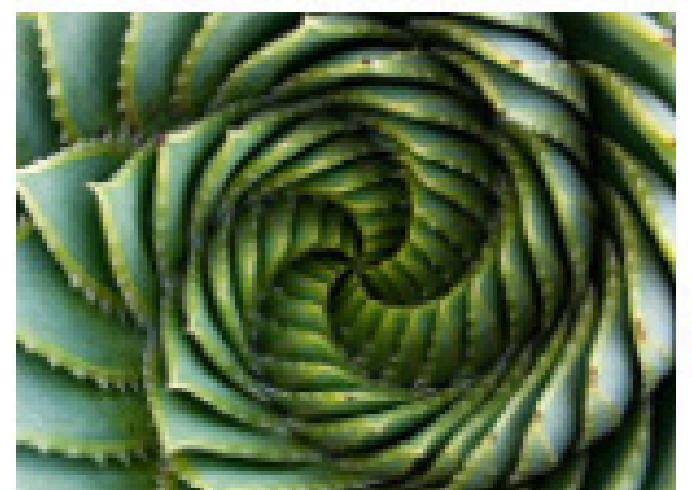
To understand the meaning of plagiarism and realize how to avoid it, and how to take inspiration from external sources and designs without copying original work. This is achieved by taking three DNA words from an original design piece, and using them to create your own.

CONCLUSION

It can be fairly easy to fall into an act of plagiarism and not even realize it. This assignment really fulfills its main goal - to learn to take inspiration from something, not copy it.

“Concept 47”

Human Plans



LAYERING

TEXTURE/FORM

RHYTHM

TEXTURE/GRADIENT

CONTRAST

NATURE VS. MAN-MADE

A3 CLIENT PROFILE

II

INTRODUCTION:

By reading something as simple as a grocery list, you can tell a lot about a person. This activity focuses on the development of a client, and understanding how client's personalities and day to day lives create a need for different design guidelines .

LIFESTYLE RESEARCH

MR. CUMMINGS

Michael Henry Cummings

Age 29, born in Dublin, Ireland

Studied English, then went to Law school
at trinity college in Dublin

Enjoys reading and cooking with his wife

Loves Guinness beer and wine

Spends a lot of time at the home office

Is very social, along with his wife

MRS. CUMMINGS

Sofia Daniela Cummings-Lopez

Age 27, born in Bogota, Colombia,
moved to Miami with family at age 14

Studied Communication and minored
Theater Arts at UM

Works at Univision ad Entertainment
Program Host

Her 2 vices are coffee and shopping

Loves salsa and dances as a hobby

CONCLUSION

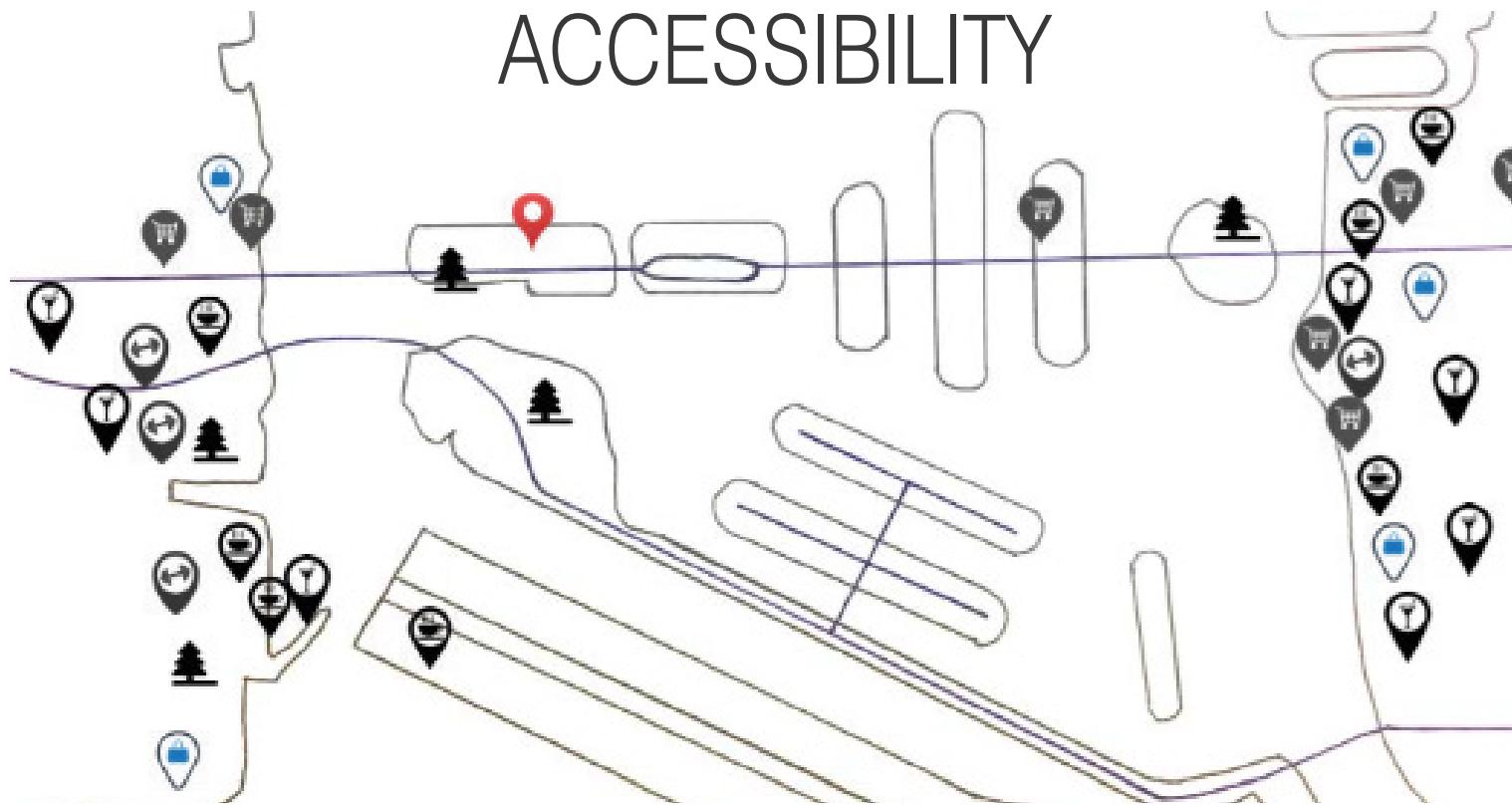
By taking our clients' personal characteristics into account, we can create design guidelines and goals that will fulfill all of their daily needs.

A4 SITE & BUILDING ANALYSIS

II

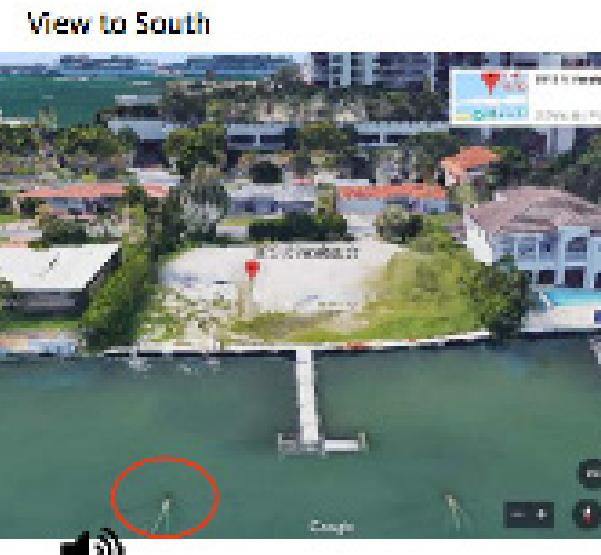
SITE ANALYSIS

ACCESSIBILITY

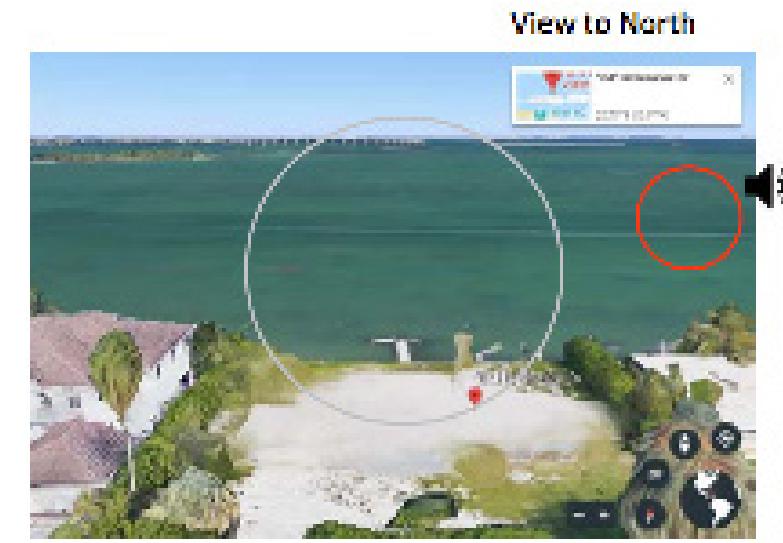


The Venetian Causeway connects Miami and the Islands, and is the main way to get to Biscayne Island

Public transportation available throughout the Islands & to Miami (bus stops)



View to South



View to North



View to West



View to East

LOCATION

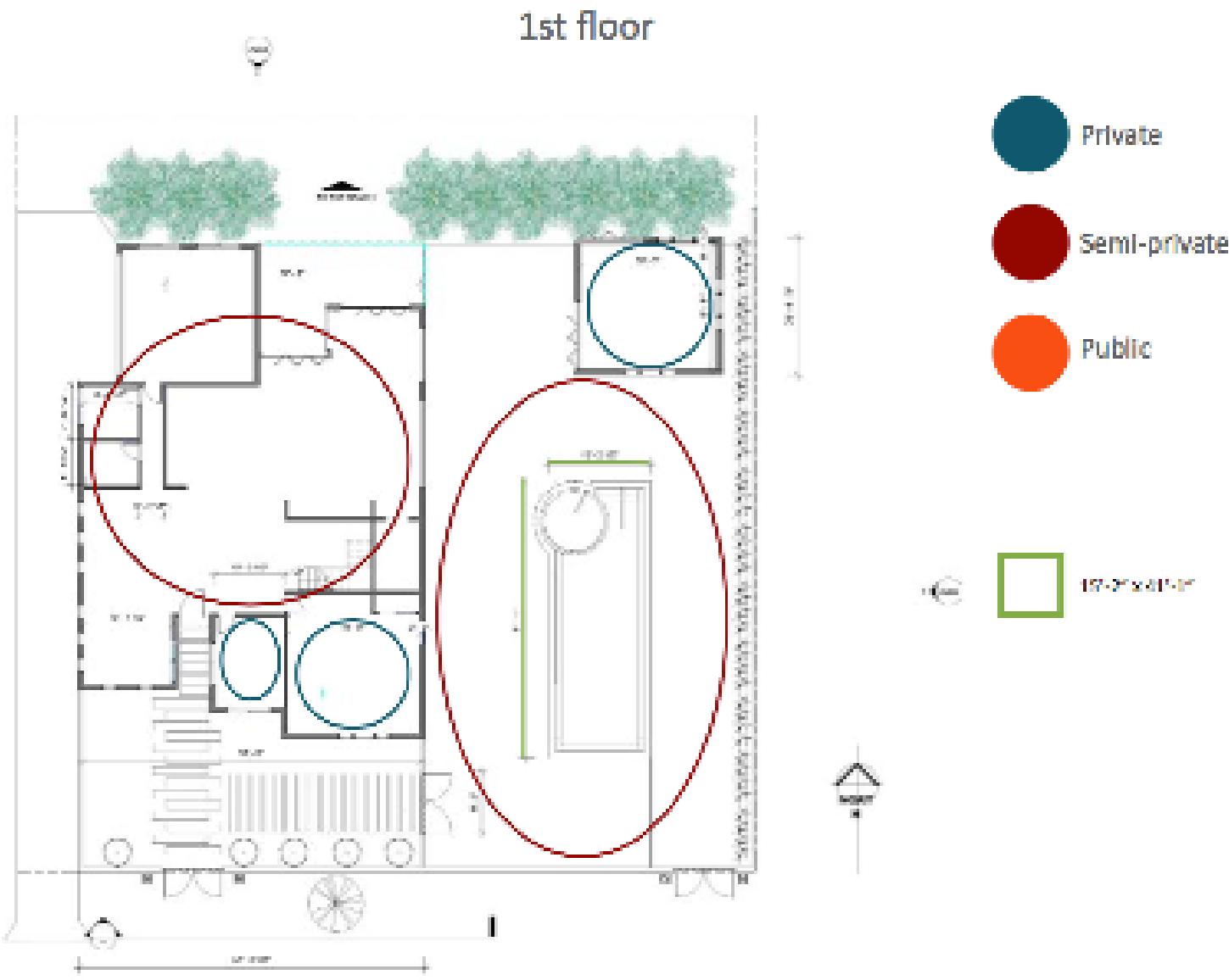
Biscayne Island (on the Venetian Islands).
1041 N Venetian dr. Miami Beach, FL 33139

Project is a water front single-family home in a large urban residence

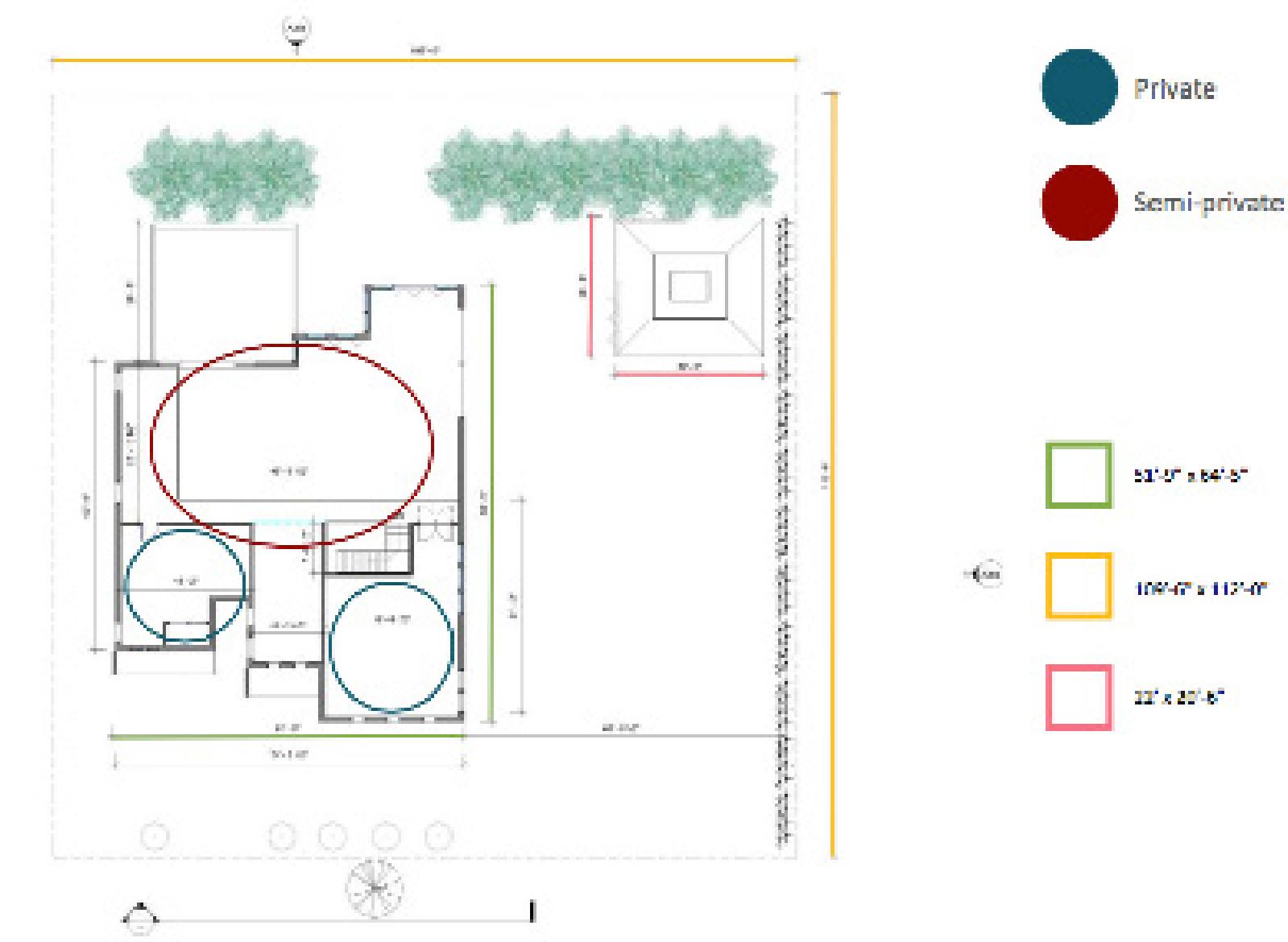
VIEWS

BUILDING ANALYSIS

ZONING FLOOR 1



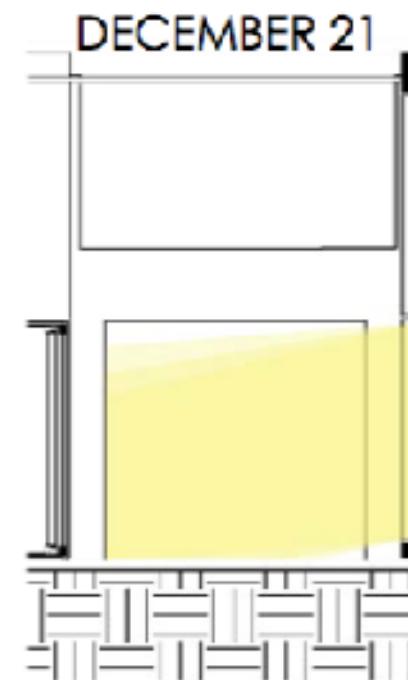
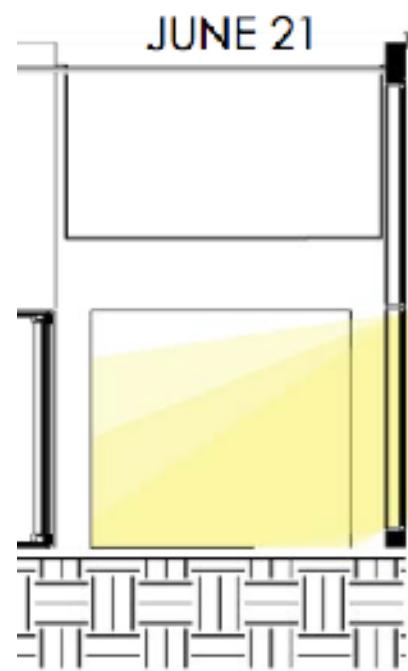
ZONING FLOOR 2



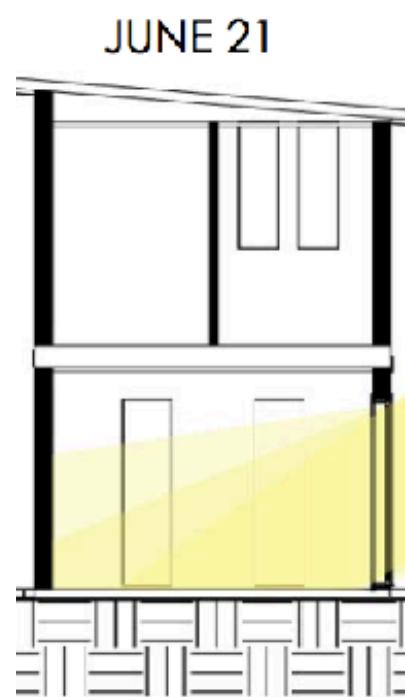
BUILDING ANALYSIS

SUN PATH DIAGRAMS

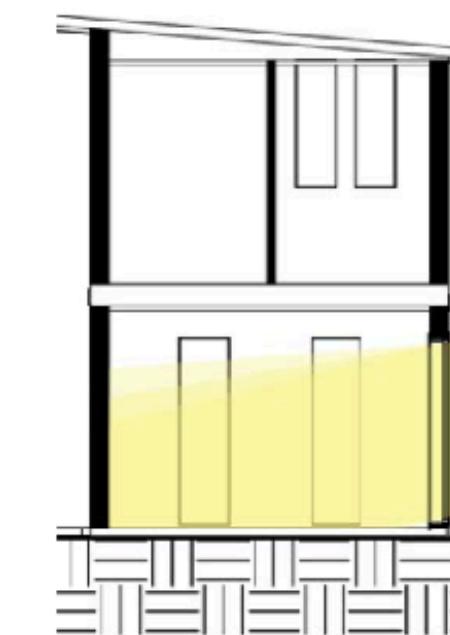
EAST



11AM
9AM
5PM



DECEMBER 21



11AM
9AM
5PM

WEST

BUILDING ANALYSIS

DESIGN GUIDELINES & CONCLUSIONS

First floor is mostly public and social, while the second floor is almost completely private

There is a need for artificial light

The exterior room should be used for the clients' specific personal activities, so that's important to note as we think about the program

N. Venetian Road is the neighborhood's only road

Public transportation is available (bus stops)

2 cars fit in the garage

Many activities to do near (or on) the Islands

A5 PROGRAM DEFINITION & DESIGN GUIDELINES

II

BUILDING ANALYSIS PROGRAM

- Entry
- Living Room
- Dining Room
- Kitchen
- Game room
- Master bedroom
- Guest bedroom
- Garage
- Laundry room
- Bathroom for master bedroom
- Bathroom for guest room
- Bathroom for living room/guests
- Office
- Dance studio
- Home bar
- Coffee station
- Walk-in closet
- Patio/pool area

IMPORTANT TO NOTE:

Large windows/glass panels for natural light & views: north
Clients are very social people, so public spaces have the design hierarchy
Clients have personal needs for their daily activities

A6.1 DESIGN CONCEPT

II



AYERING

JUXTAPOSITION

RHYTHM

RYTHMIC GRADIENT

CONTRAST

NATURE VS. MAN-MADE

MOOD IMAGES & DNA WORDS



I will incorporate A1 & A2 into my design project in various ways:

Use color, light and materials to evoke emotion & fulfill a concept

Find inspiring ideas and know to use them as inspiration and not plagiarism

Use my bench-like structure from A2 and actually make a piece of furniture inspired by it

CONCEPT STATEMENT



DESIGN CONCEPT

The project's essential purpose is to provide a sophisticated living space that fulfills all of the clients' needs in terms of their daily activities, health, safety, and comfort.

The main goal of the project are to provide both private and public spaces where the clients will be able to enjoy their time alone, as well as accommodate guests and have social gatherings. This will be achieved with an open plan and interconnected public spaces with easy circulation and accessibility.

Dominant design features will focus on providing a spacious living room, fully-equipped kitchen, comfortable office, dance studio, and master bedroom with a walk-in closet and complete master bathroom.

The basic program will include the primary spaces and each of their secondary spaces. The program also emphasizes an open plan for greater accessibility. The design program will focus on a modern-industrial style.

Crutial aspects to consider are the need for large window panels to maximize natural light, as well as the need for artificial lighting throughout all the primary and secondary spaces. Other crutial aspects to consider are acoustic, air conditioning, storage, and safety/surveillance needs.

FINAL DESIGN GUIDELINES

1

The concept of the first floor envolves it being the most 'social' part of the house, so an open plan would be ideal in order to maximize interpersonal interations and accessibility, as well as assure spacial heirarchy.

2

Window types should be taken into consideration, and it's ideal to use large panels instead of small windows in order to maximize natural light. Some spaces have natural sunlight, but many do not. This means that artificial lighting is a very important design factor to consider. Artificial lighting will not only solve the problem of insufficient natural light, but also become part of the design as they set the mood for each space.

3

The dance studio is an important part of the house, and it is strategically designed to be seperate from the house itself in order to avoid sound from dance practices to be heard in- side the house. It's crutial that the dance studio's acoustic considerations are met, such as soundproof walls and a complete sound system.

4

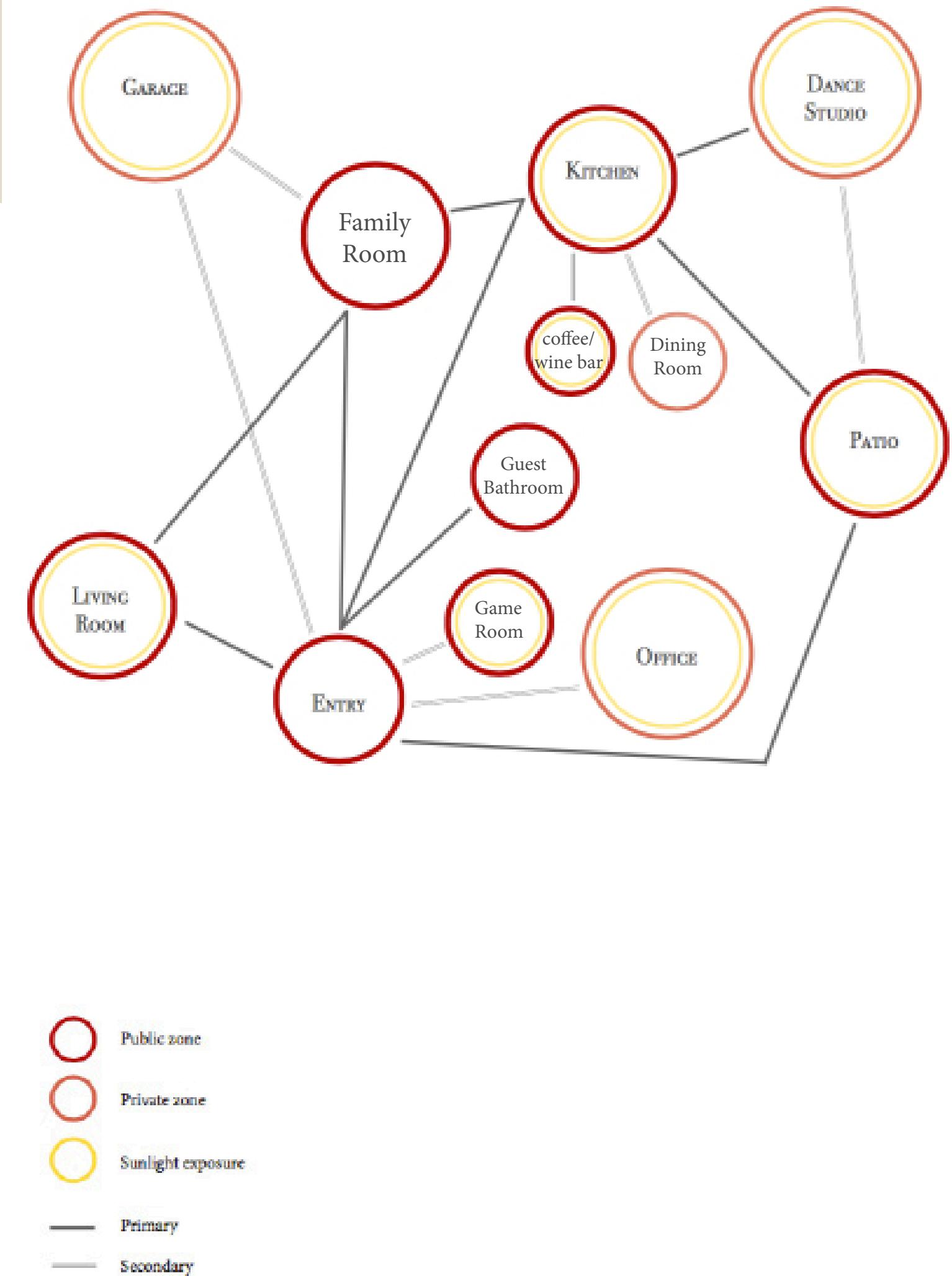
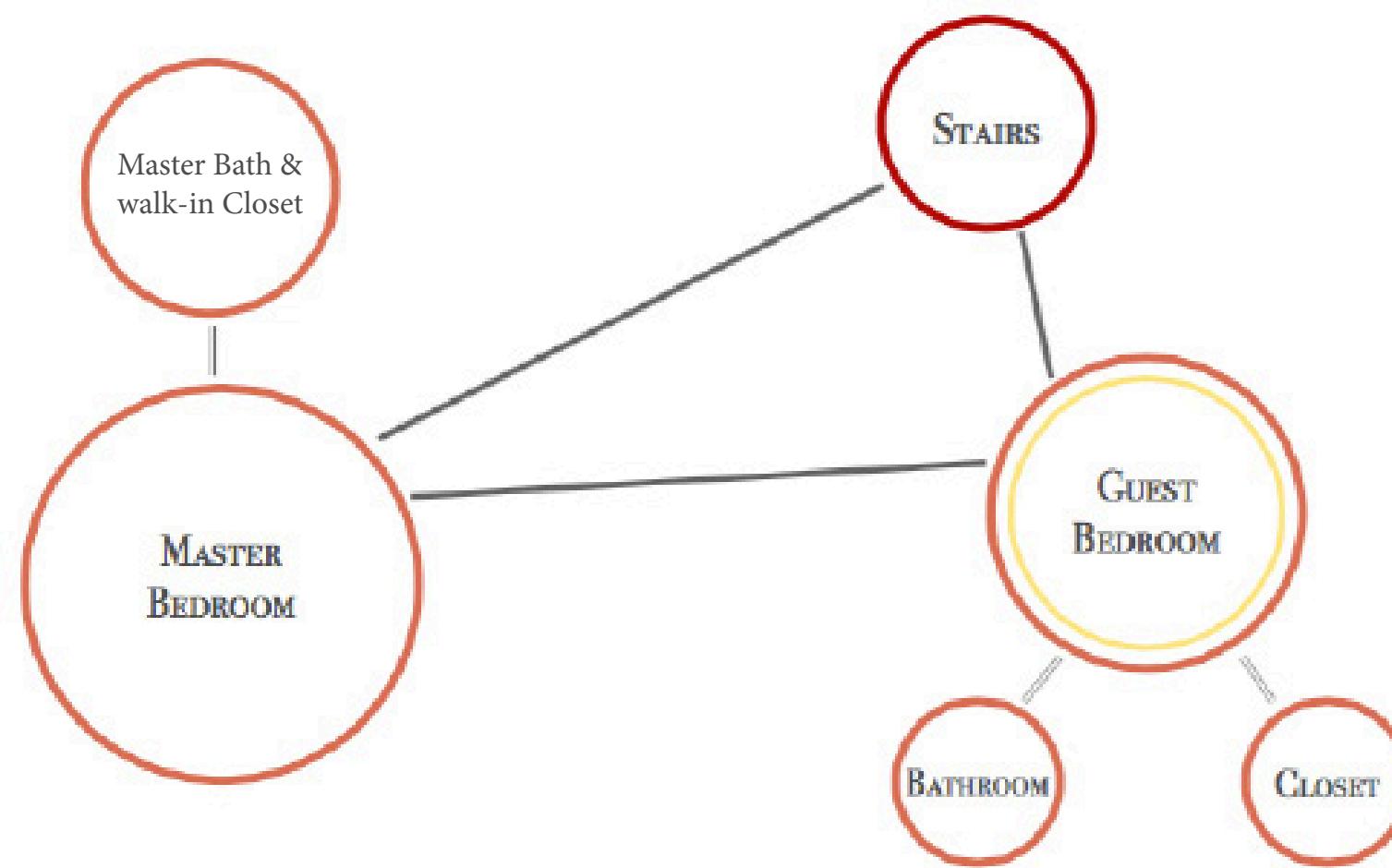
The office is another crutial part of the design, since it's where one of the clients will spend most of his time. It should have all the necessary artificial lighting, and should have comfortable furniture for the client's long hours of work. It should also include a special storage/display where the client can store and show off his large book collection, given his passion for reading. This display should be both functional and sophisticated in design.

5

The kitchen is a very important part of the house, since the clients enjoy cooking and spending time together as they prepare meals. It should be fully-equipped, user-friend- ly, and should have all the necessary tools. It should also be spacious and comfortable to be in, since the kitchen is also a social/public part of the house, and there will be a great amount of circulation there.

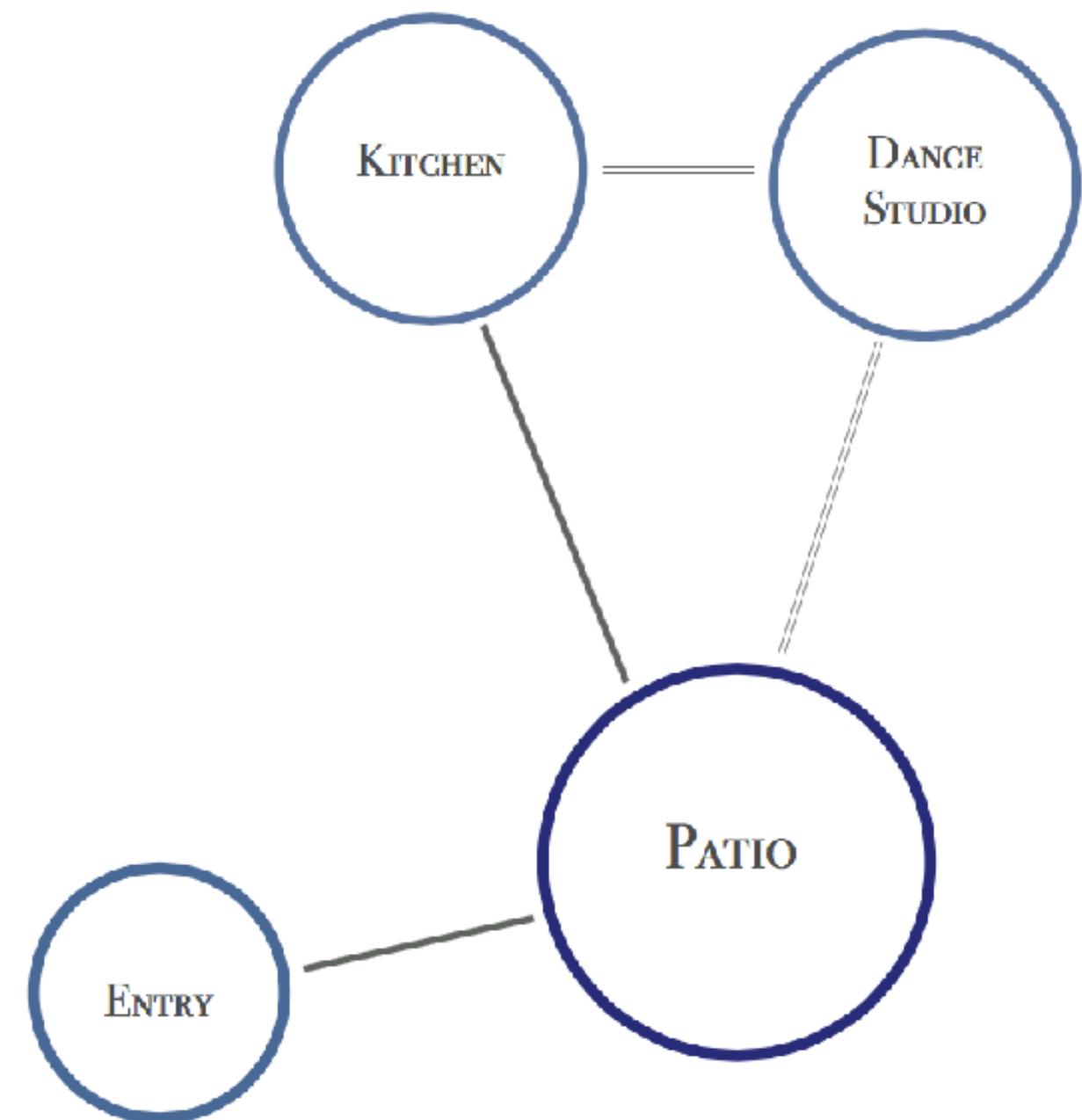
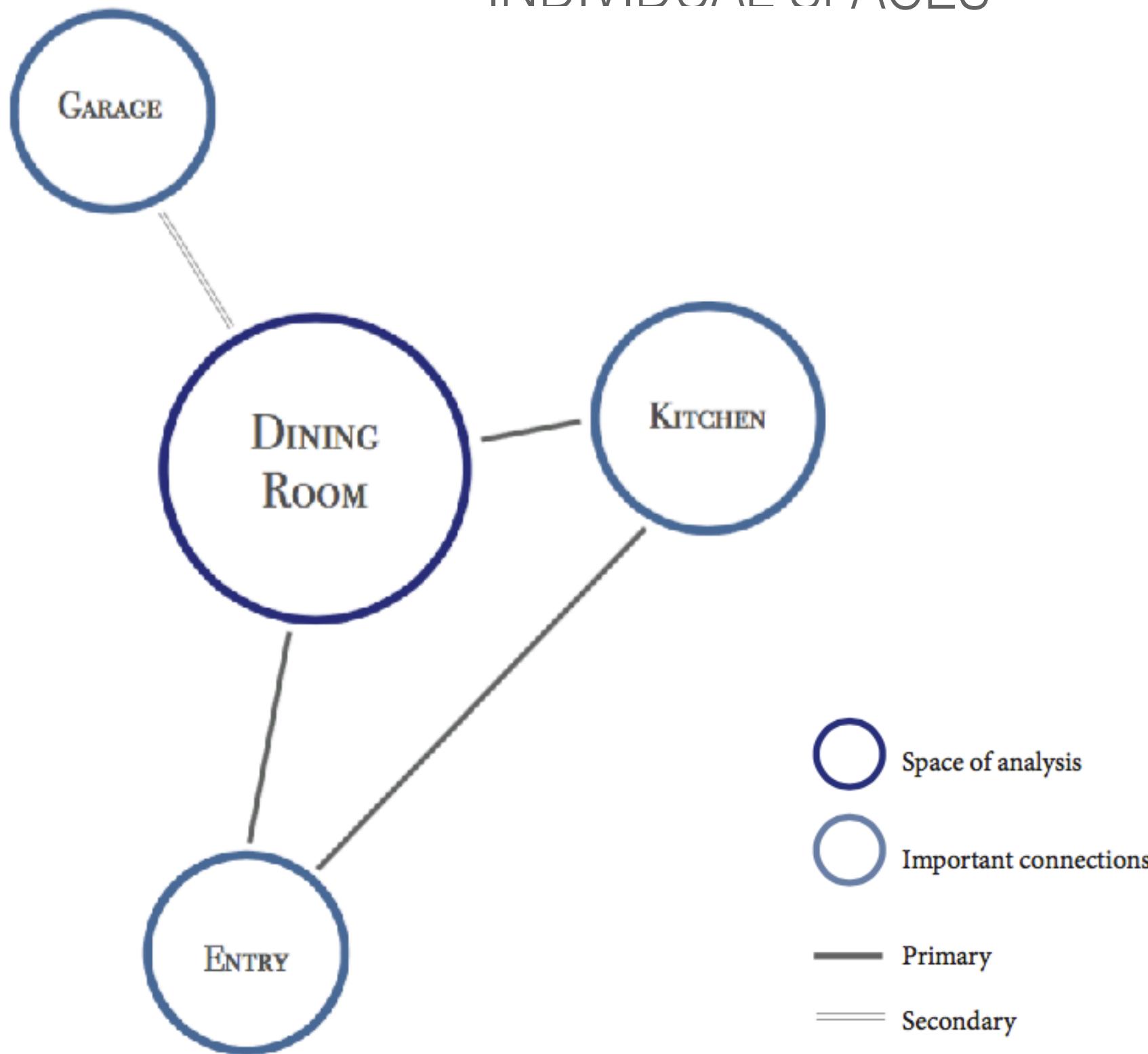
BUBBLE-ADJACENCY DIAGRAMS

ENTIRE PROGRAM



BUBBLE-ADJACENCY DIAGRAMS

INDIVIDUAL SPACES



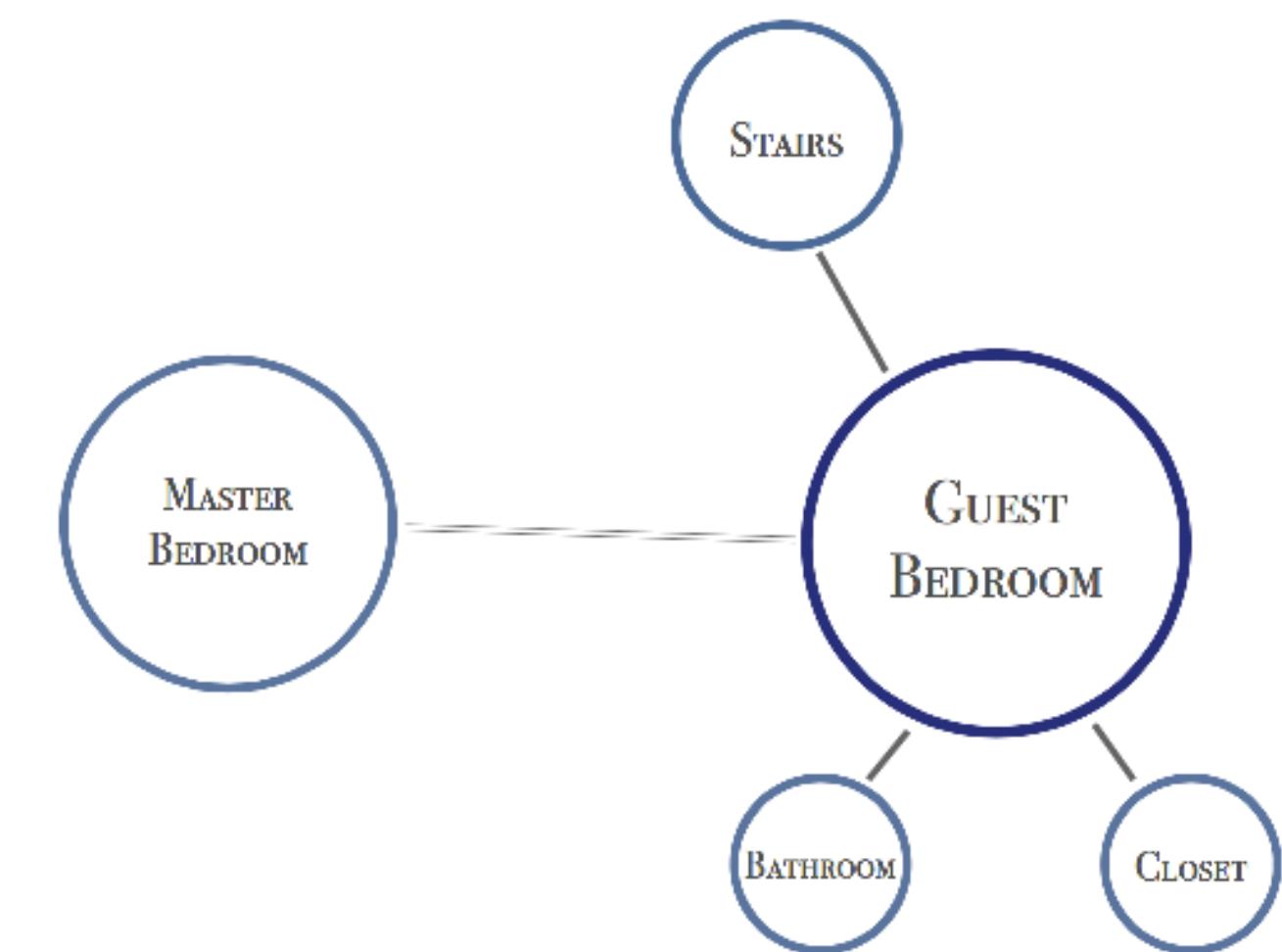
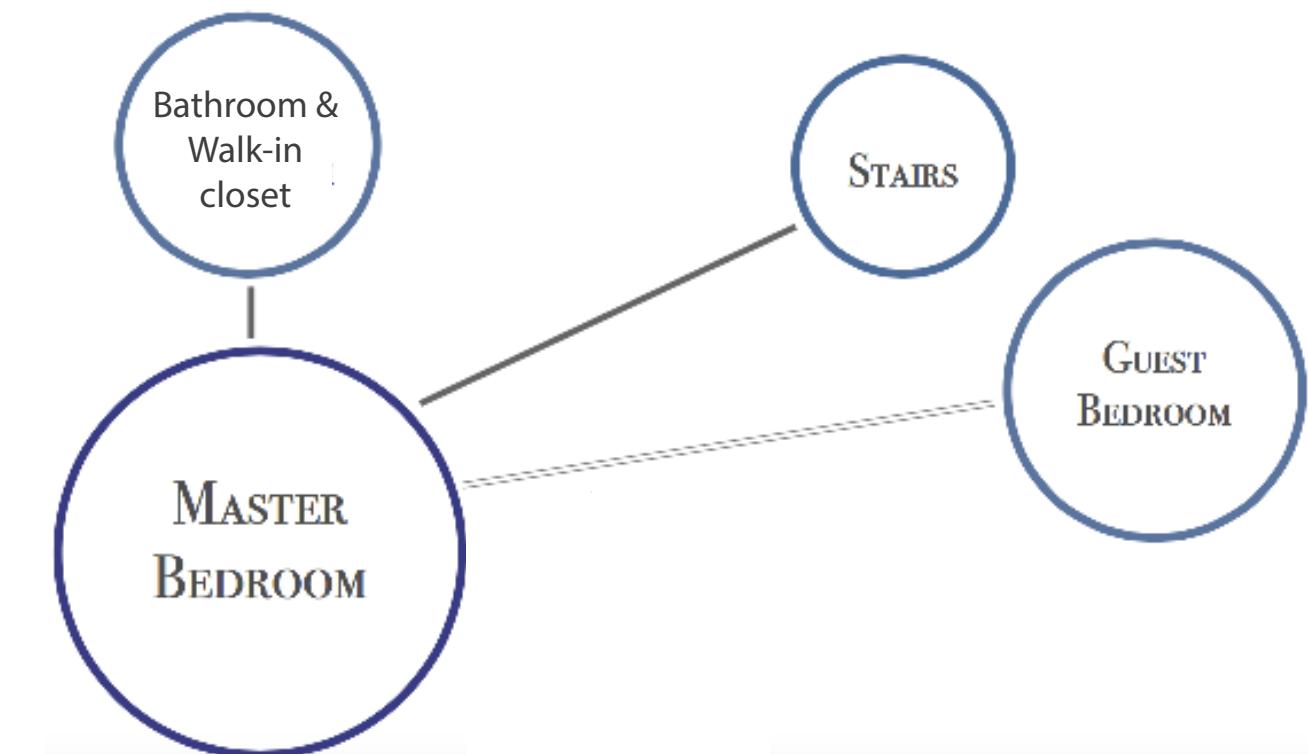
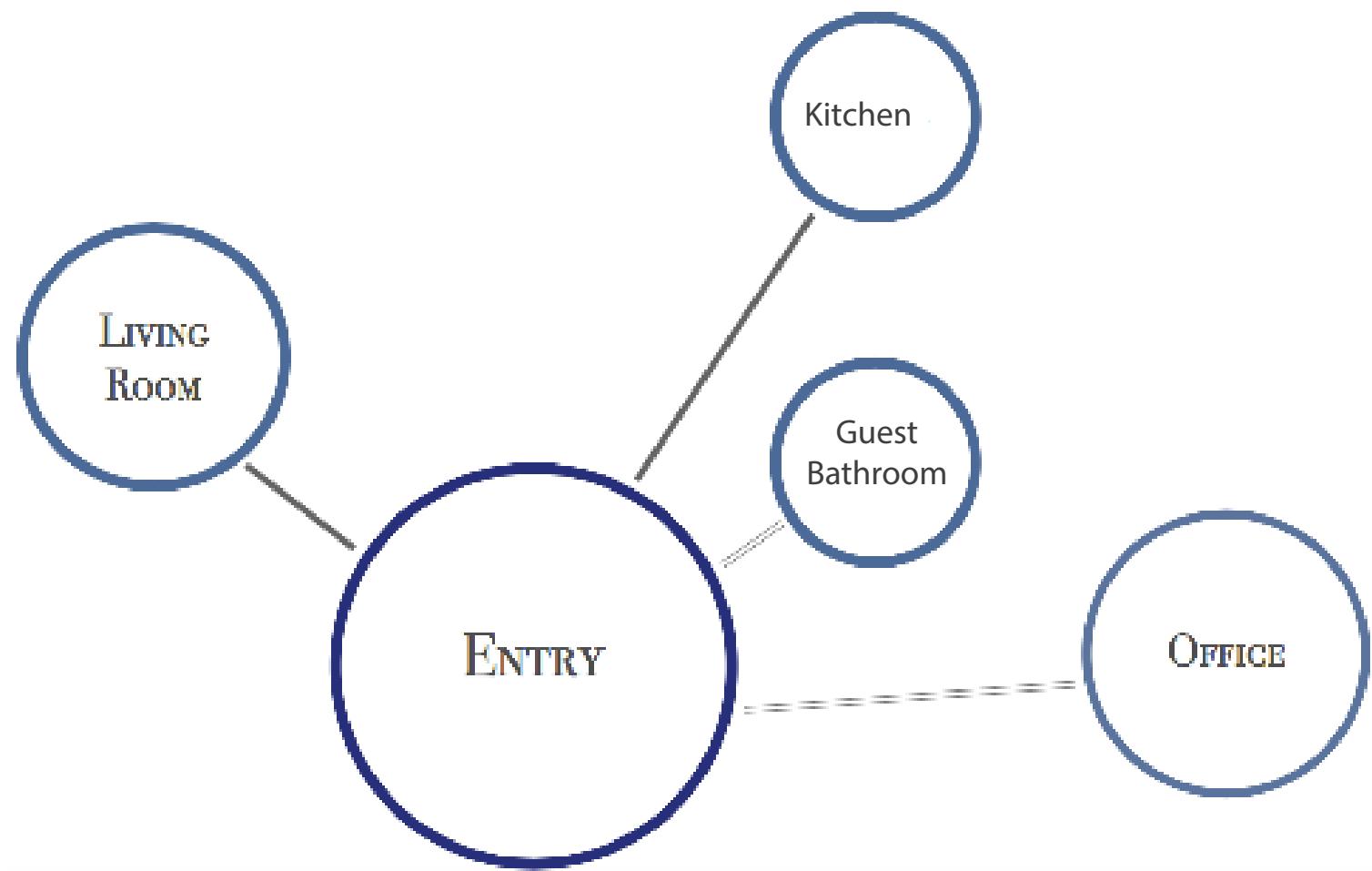
BUBBLE-ADJACENCY DIAGRAMS

INDIVIDUAL SPACES

- Space of analysis
- Important connections

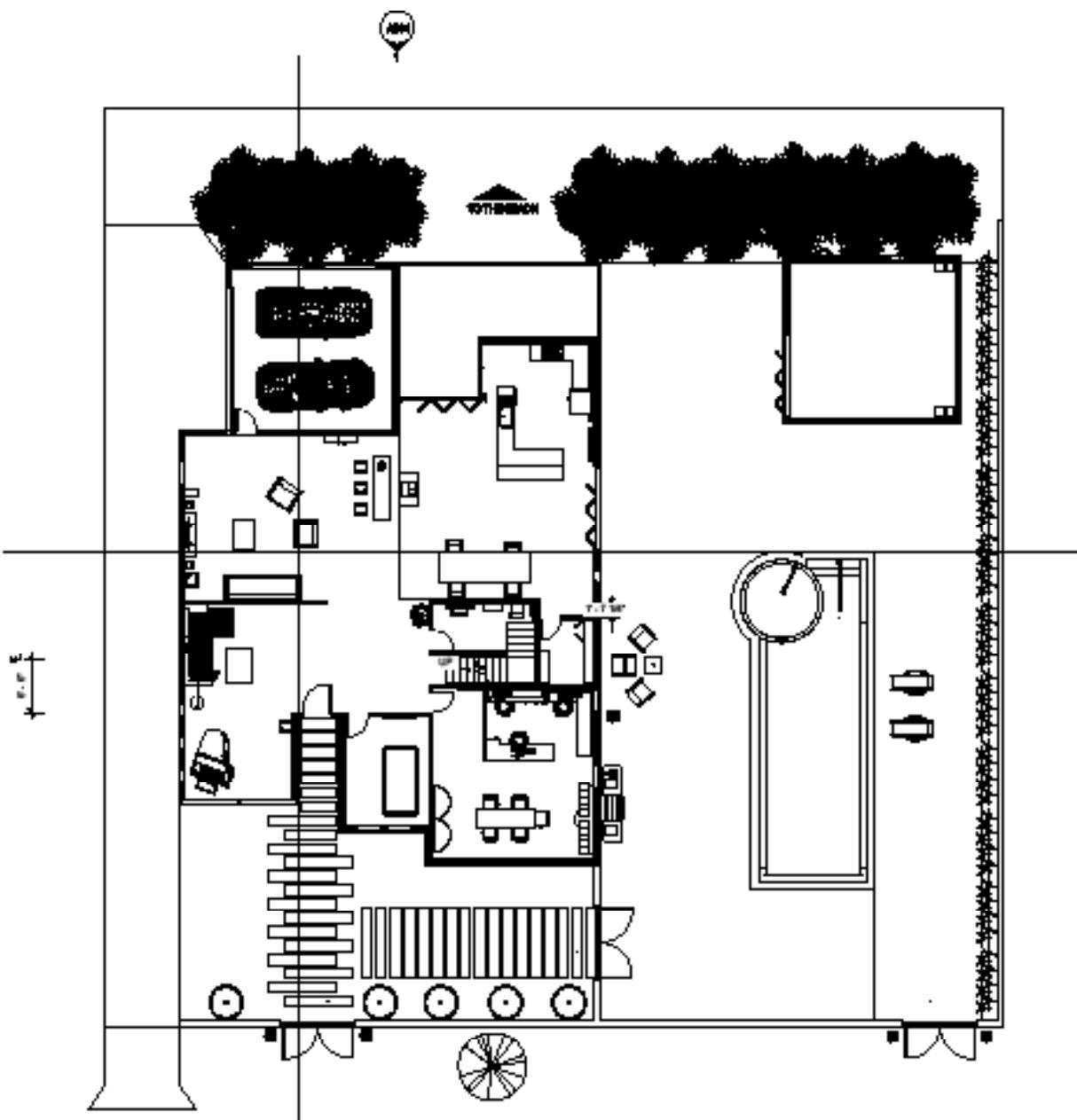
— Primary

— Secondary

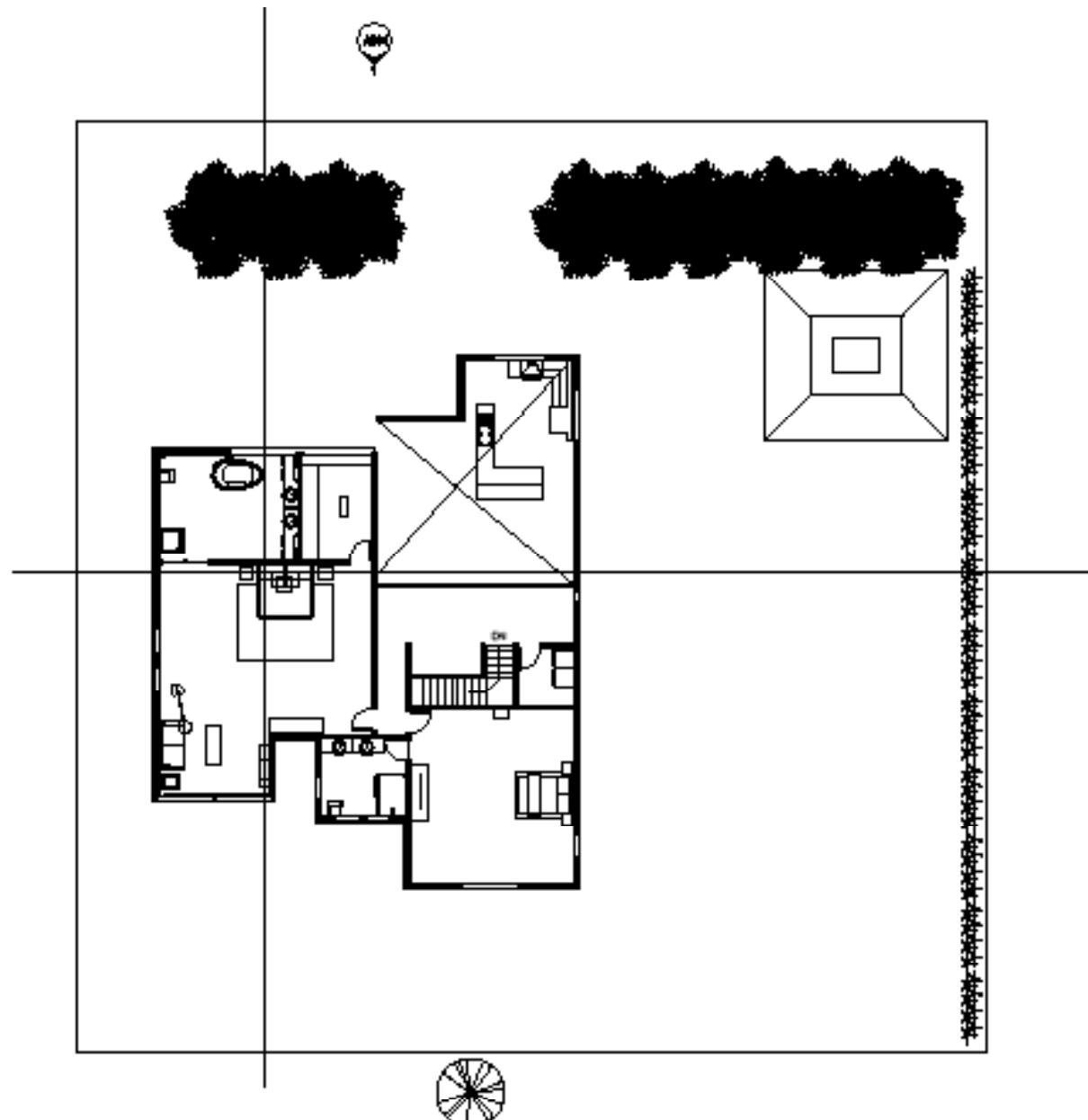


PLANS

FF&E (FLOOR PLANS 1 + 2)



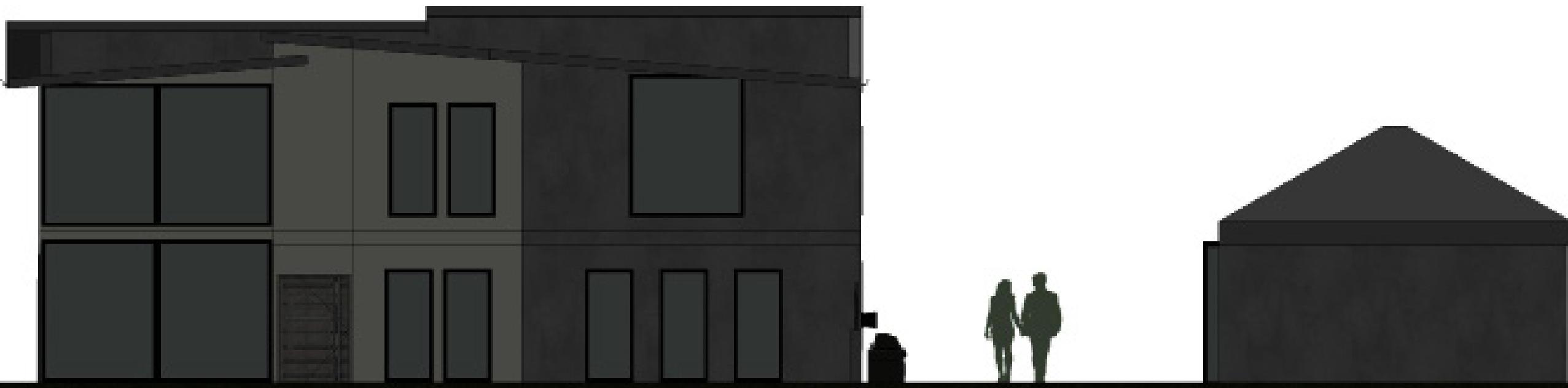
1st Floor



2nd Floor

PLANS

ELEVATIONS



HOUSE FRONT

PLANS

INTERIOR
ELEVATIONS

1ST FLOOR



KITCHEN
AREA



OFFICE



LIVING &
FAMILY AREA

PLANS

INTERIOR ELEVATIONS

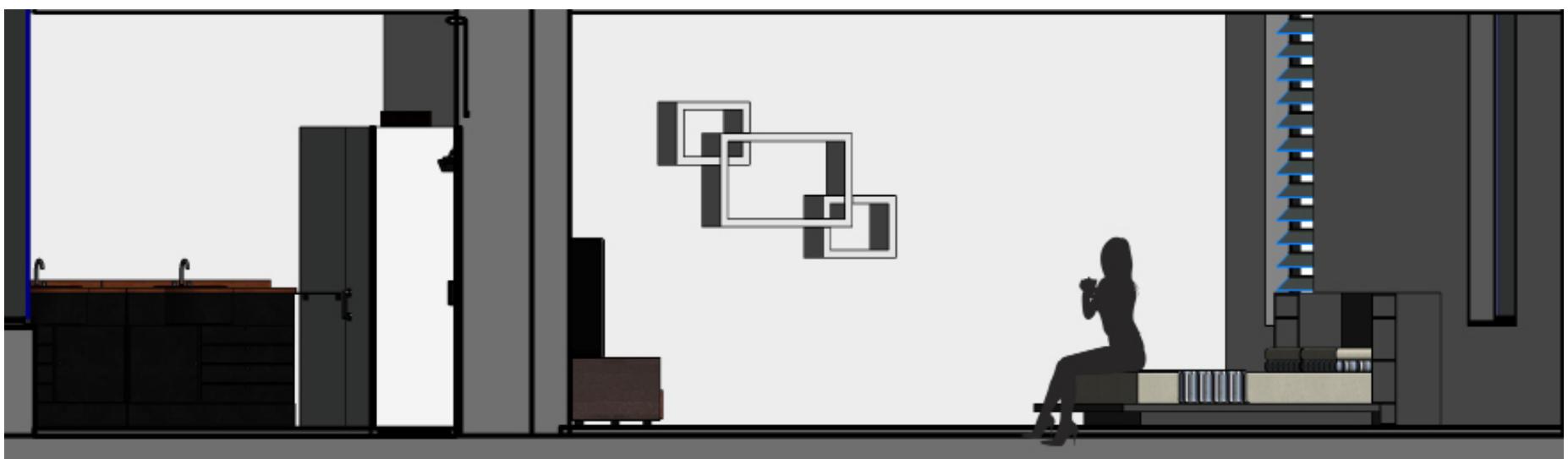
2ND FLOOR



MASTER
BEDROOM



MASTER
BATHROOM



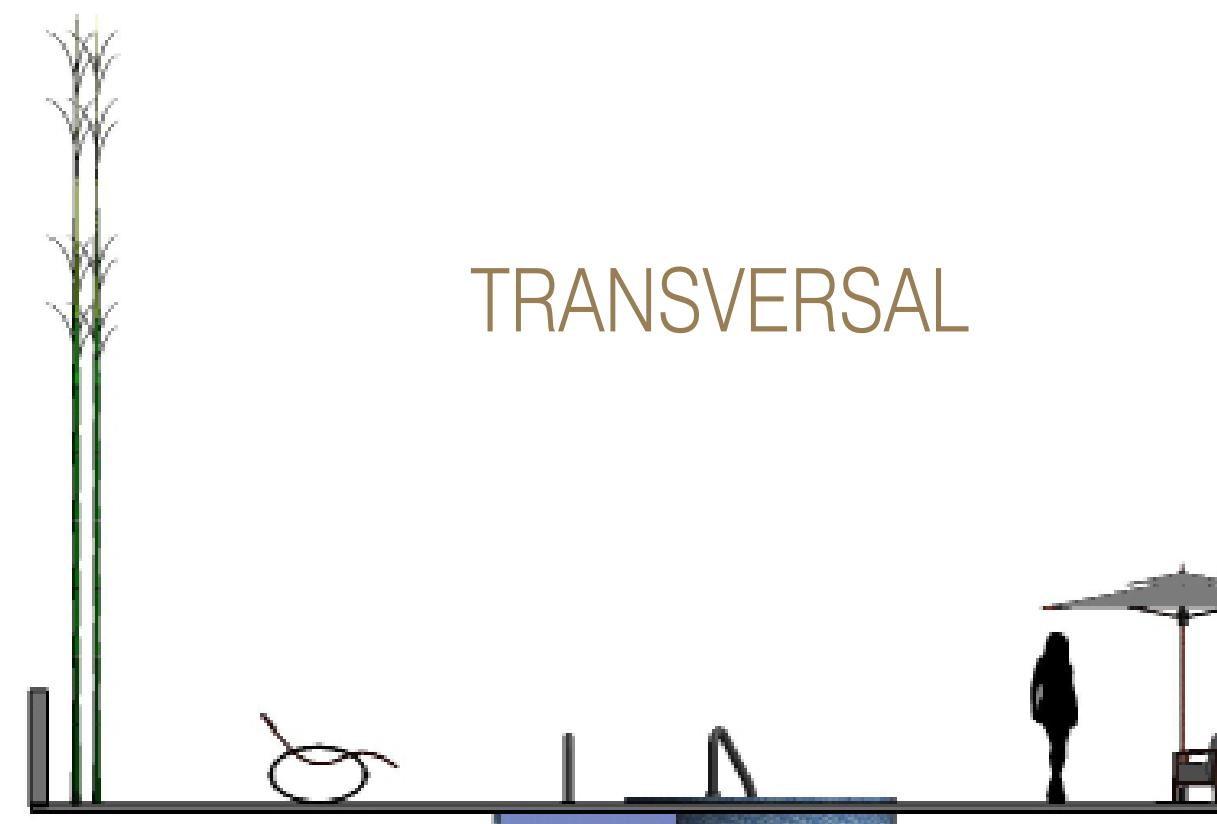
GUEST BEDROOM

PLANS

SECTIONS



LONGITUDINAL



TRANSVERSAL



PLANS

INTERIOR PERSPECTIVES



1ST FLOOR
KITCHEN

1ST FLOOR
FAMILY



PLANS

INTERIOR PERSPECTIVES



MASTER BEDROOM
2ND FLOOR

PLANS



DANCE
STUDIO

PATIO/POOL
AREA



EXTERIOR
PERSPECTIVES
(SPECIAL SPACE)

REFERENCES



<https://drive.google.com/drive/folders/1mkfDDukghnzPcFroBv5F6t7lPoDelsjx>

<https://www.google.com/maps/place/1041+N+Venetian+Dr,+Miami+Beach,+FL+33139/@25.7910278,-80.1760315,17z/data=!3m1!4b1!4m5!3m4!1s0x88d 9b40fd5c5f063:0xf61cfad906772049!8m2!3d25.7910278!4d-80.1738428>

<http://www.city-data.com/neighborhood/Biscayne-Island-Miami-Beach-FL.html>

https://www.google.com/search?rlz=1C1OKWM_esEC776US780&q=transportation%2Bbiscayne%2Bisland&npsic=0&rflfq=1&rlha=0&rl-lag=25787440%2C-80182277%2C719&tb-m=1&ved=0ahUKEwj7ooSV6ofZAh VQwlkKHTn_D_IQtgMIQQ&tbs=lr%3A%212m1%211e3%213sIAE%2Clf%3A1%- 2Clf_ui%3A2&rldoc=1#rlfi=hd::si::mv::1m3!1d2497.8371407139416!2d-80.17531089840037!3d25.790539986089804!3m2!1i812!2i534!4f13.1

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