

Mariotto Project Process Book

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IAD 310: Residential Design
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Unit 1

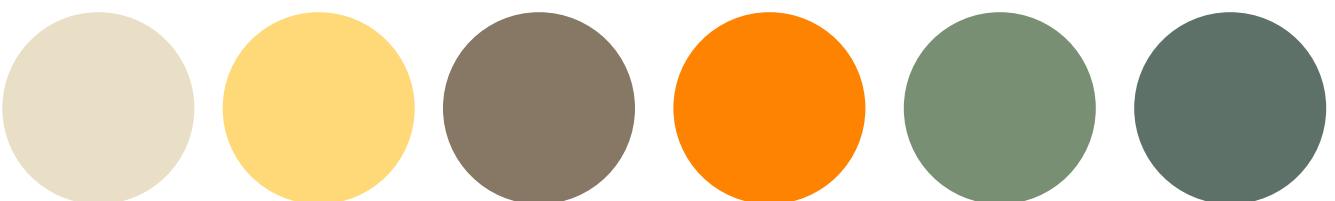
Concept Development



Program

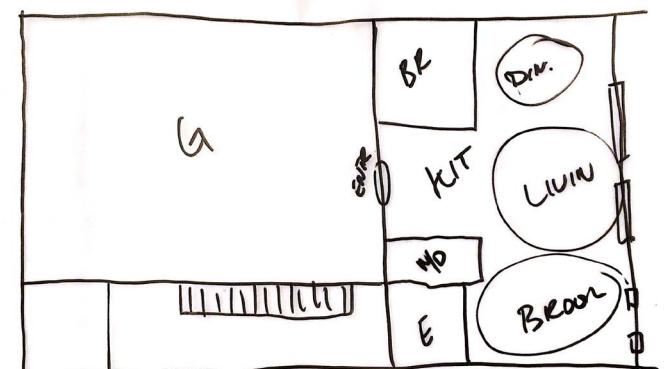
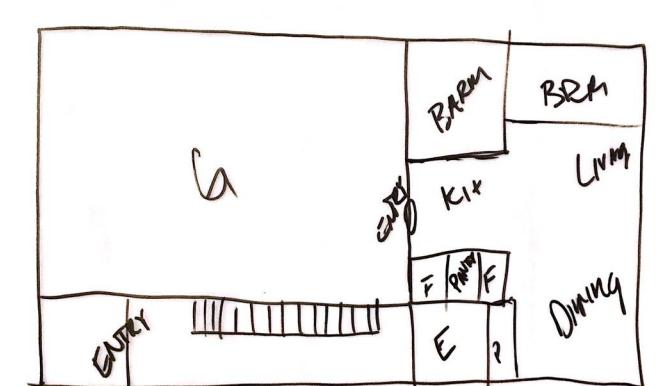
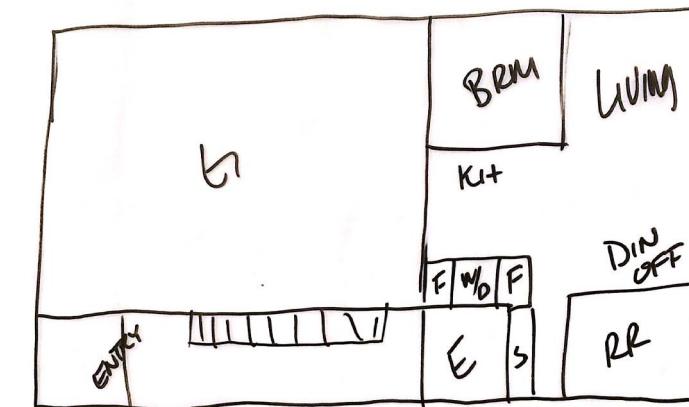
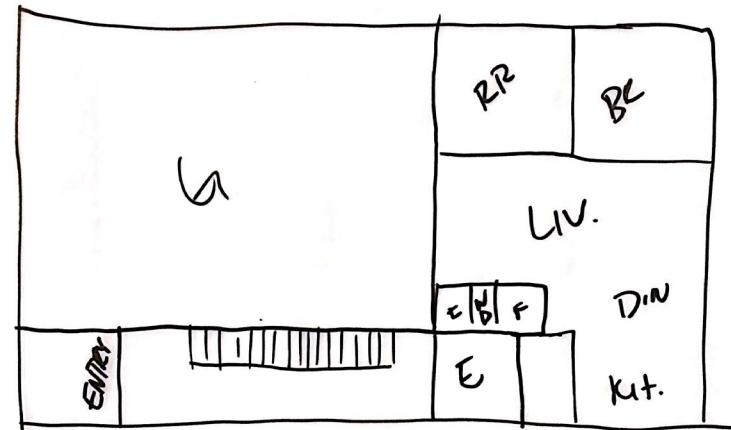
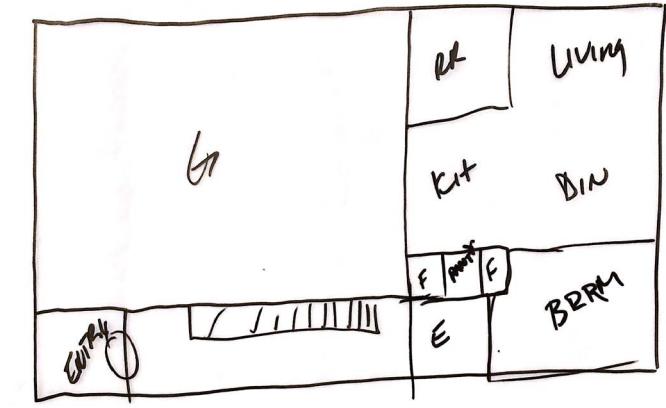
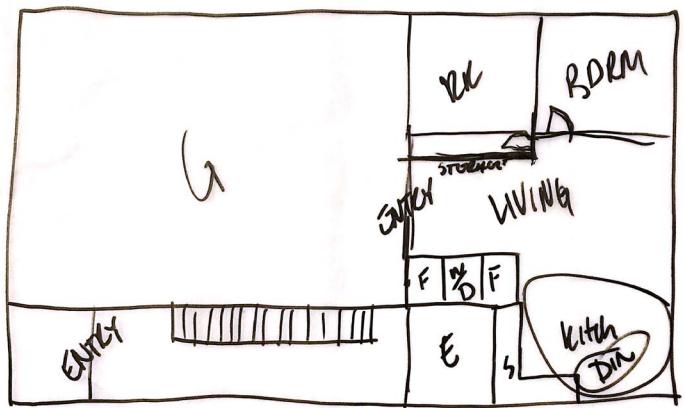
The First story unit will provide a low income apartment for San Francisco's Rental Assistance Program for low-income tenants.

1. Bedroom: able to fit at minimum a full sized bed.
2. Bathroom: ADA compliant, Shower & Bath
3. Laundry
4. Kitchen
5. Dining: seats 4-6 people
6. Living Room: Fits 4-6 guests.
7. Office
8. Storage

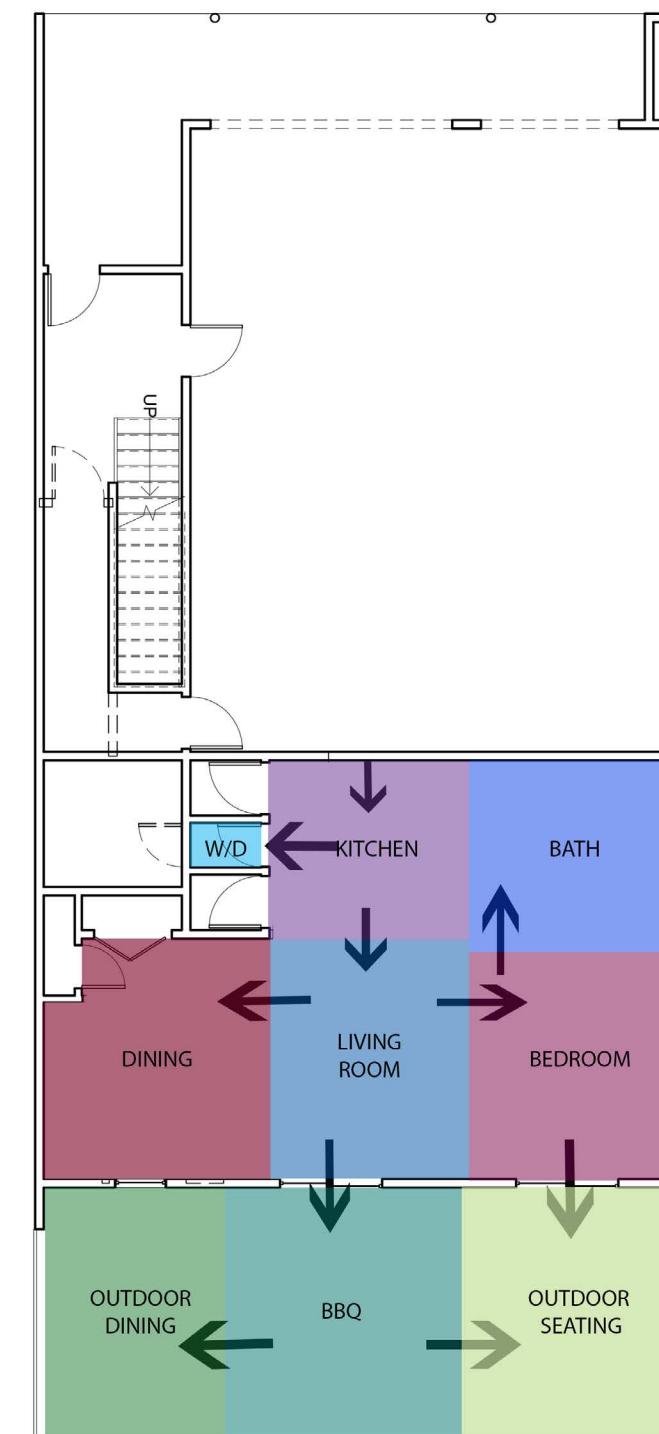
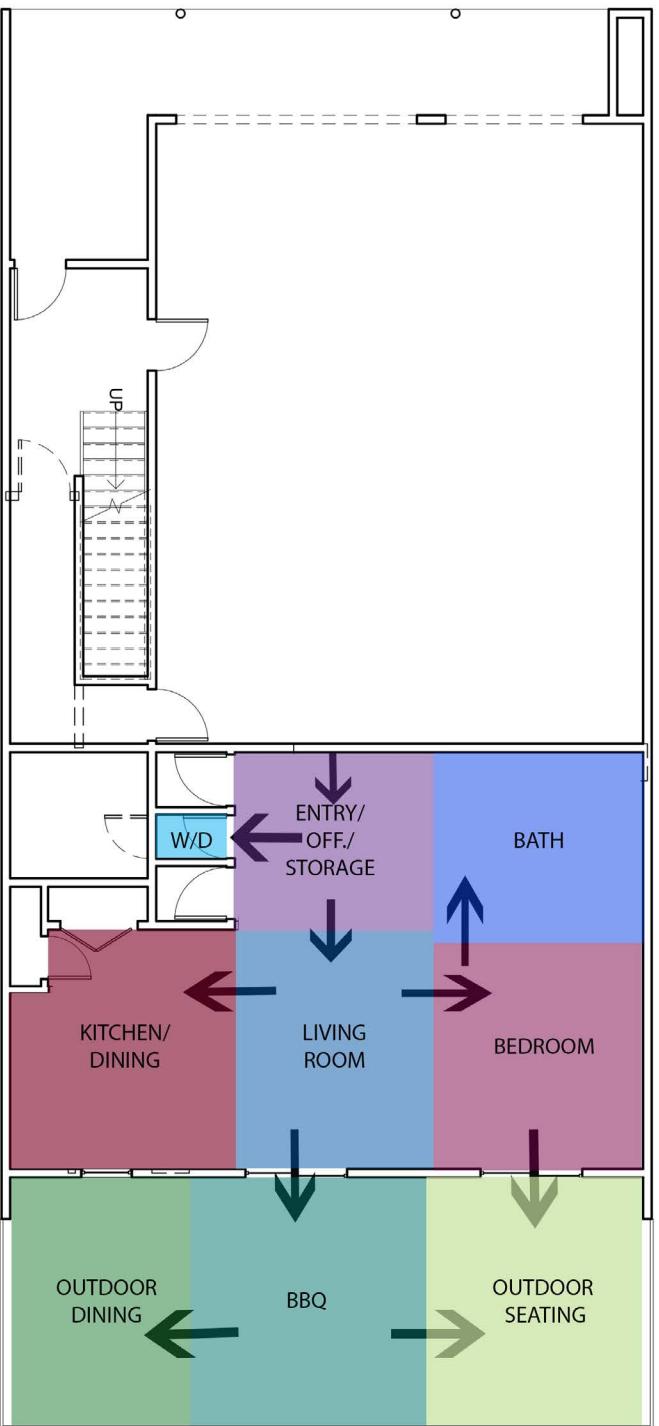


My concept for the first unit floor is metamorphosis. Metamorphosis is the process where a caterpillar cocoons itself and goes through a physical change, then when it releases from the cocoon it comes out a beautiful butterfly. I chose this as my concept because this unit will be rented out to low-income tenant. The low income unit that will be rented out is represented as the cocoon. I want the tenants to feel safe, secure, nurtured and at home in the unit where they grow and blossom.

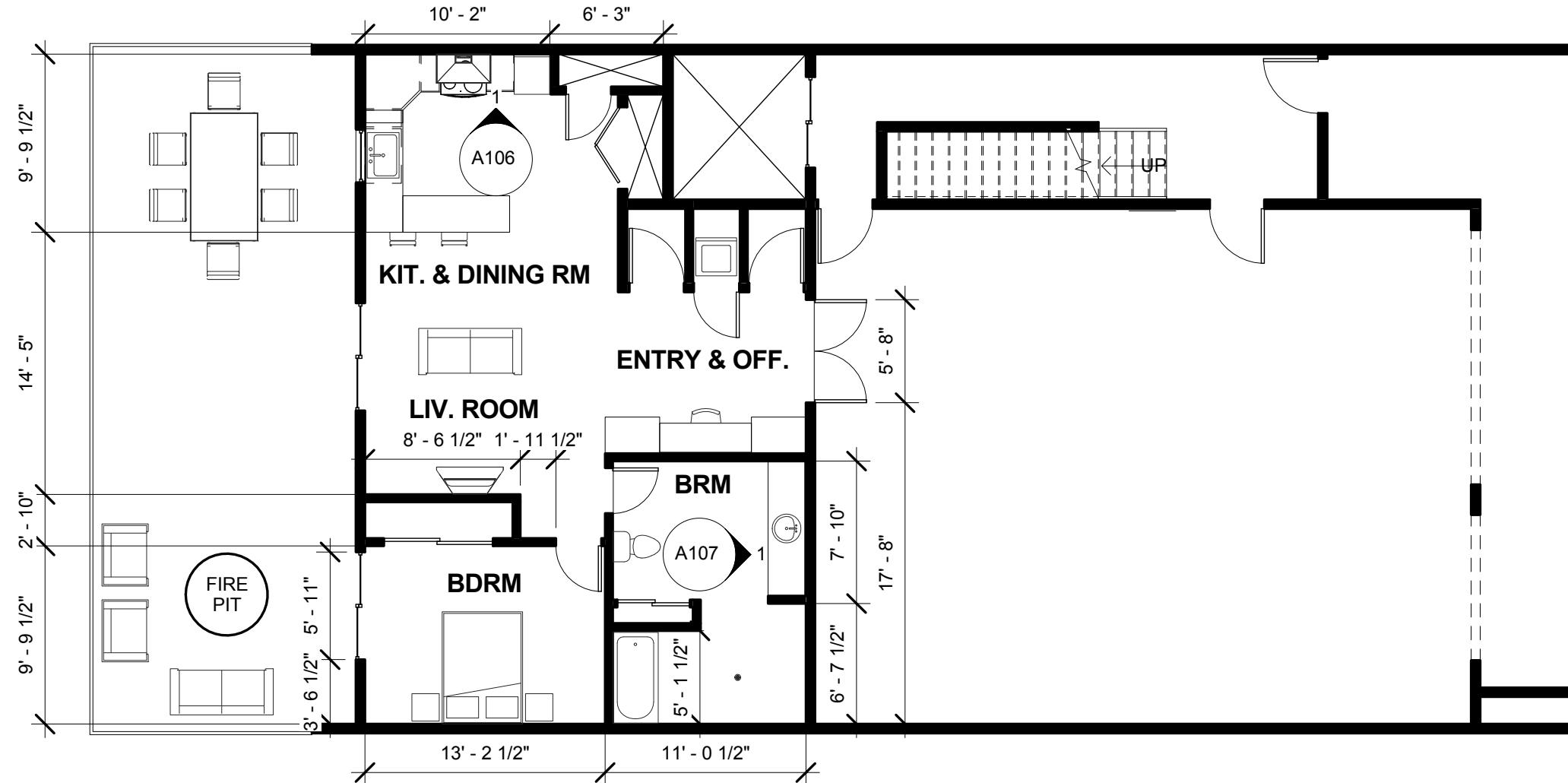
Bubble Sheets



Block Diagrams



Furniture Floor Plan



1 Level 1 FURNITURE FLOOR PLAN
1/8" = 1'-0"

Preliminary 3D Model

Kitchen



Livingroom



Bathroom



Specifications



Bamboo Flooring
Manufacturer: Strandwoven
Location: Kitchen, Dining Room, Livingroom, Bedroom

Bamboo is a fast growing renewable resource. The company uses low-VOC glues during the compression process and kiln dries the wood 3 times causes a strength of 2.5x the traditional oak wood.



Ice Stone Countertop
Manufacturer: Ice Stone
Location: Kitchen, Bathroom

Ice Stone countertops are made of three simple ingredients: 100% recycled glass, portland cement and non toxic pigments. It is petrochemical and plastic resins free.



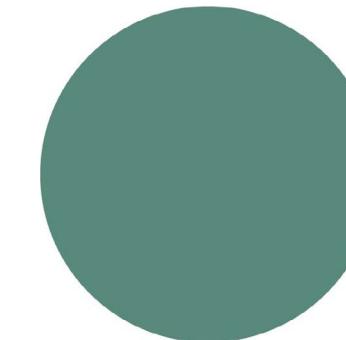
Tile
Manufacturer: Fire Clay Tile
Location: Bathroom, Kitchen

Tile made from recycled materials.



Tile
Manufacturer: Fire Clay Tile
Location: Bathroom, Kitchen

Tile made from recycled materials.



Pressed Glass Wall Material
Manufacturer: 3 Form
Location: Bathroom



Toilet
Manufacturer: Kohler
Location: Bathroom

Watersense toilet that complies with strict EPA guidelines. Uses gravity to flush, saving energy. ADA compliant.

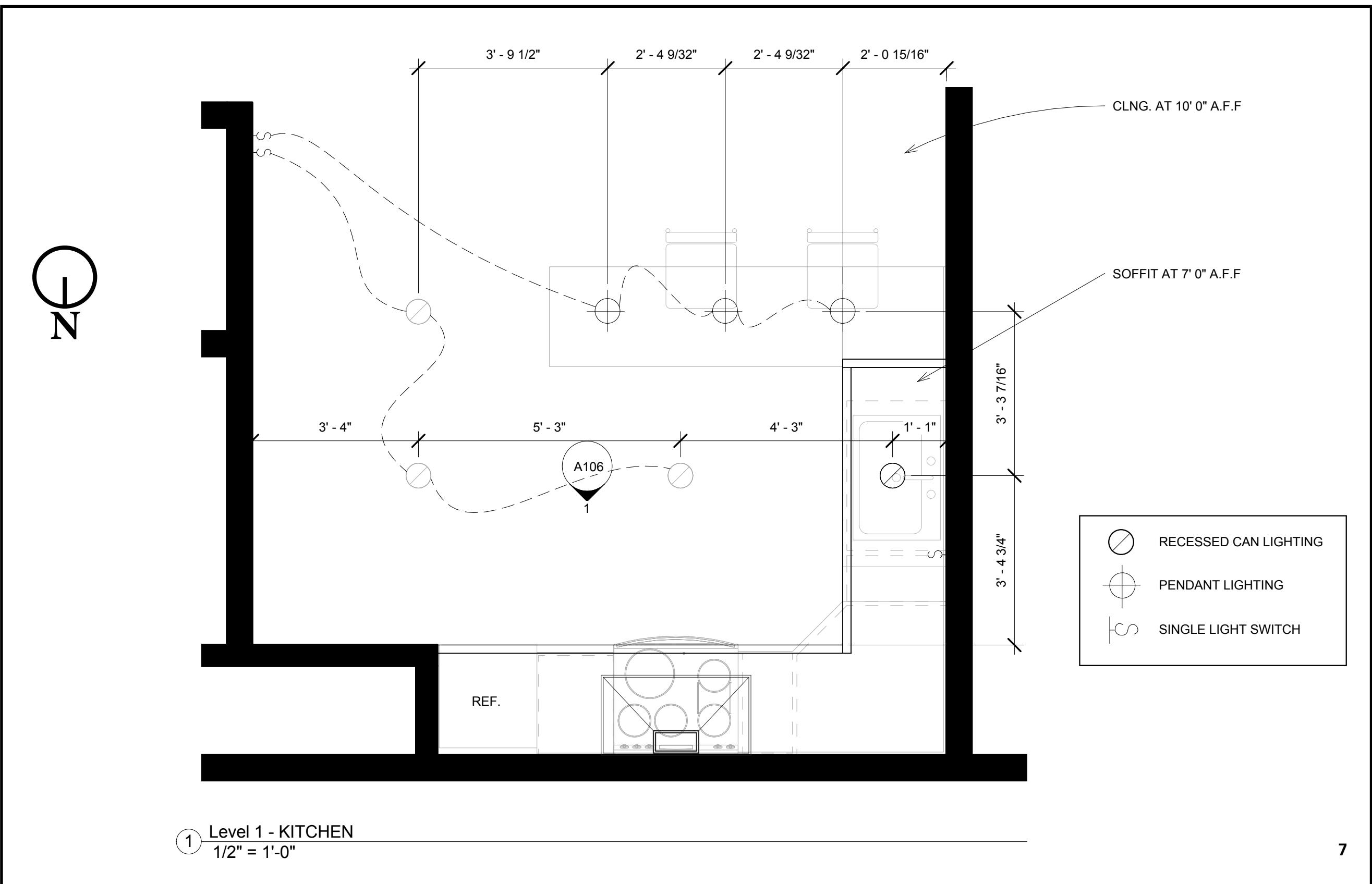


Sink
Manufacturer: Kohler
Location: Bathroom

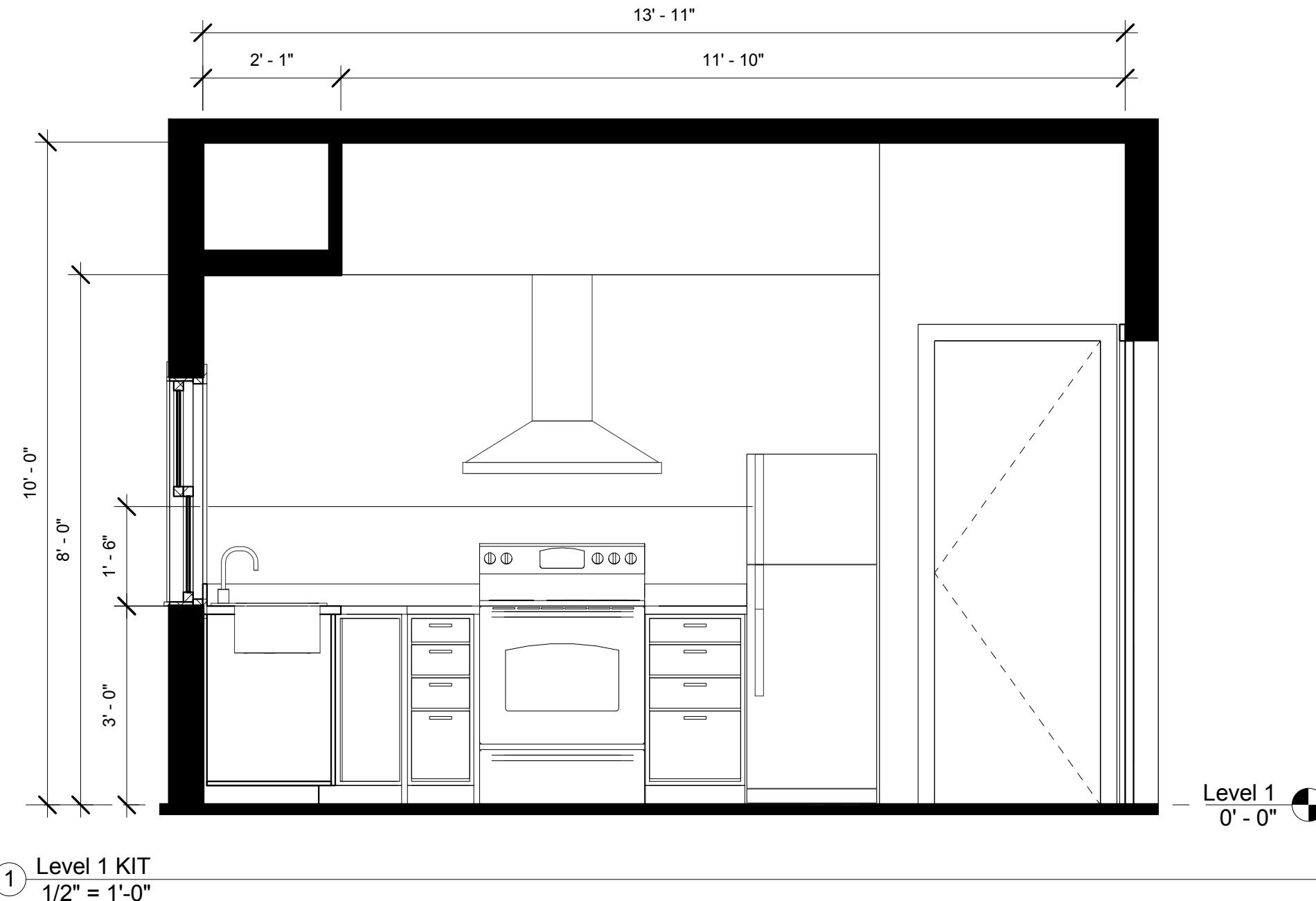


Sink
Manufacturer: Kohler
Location: Kitchen

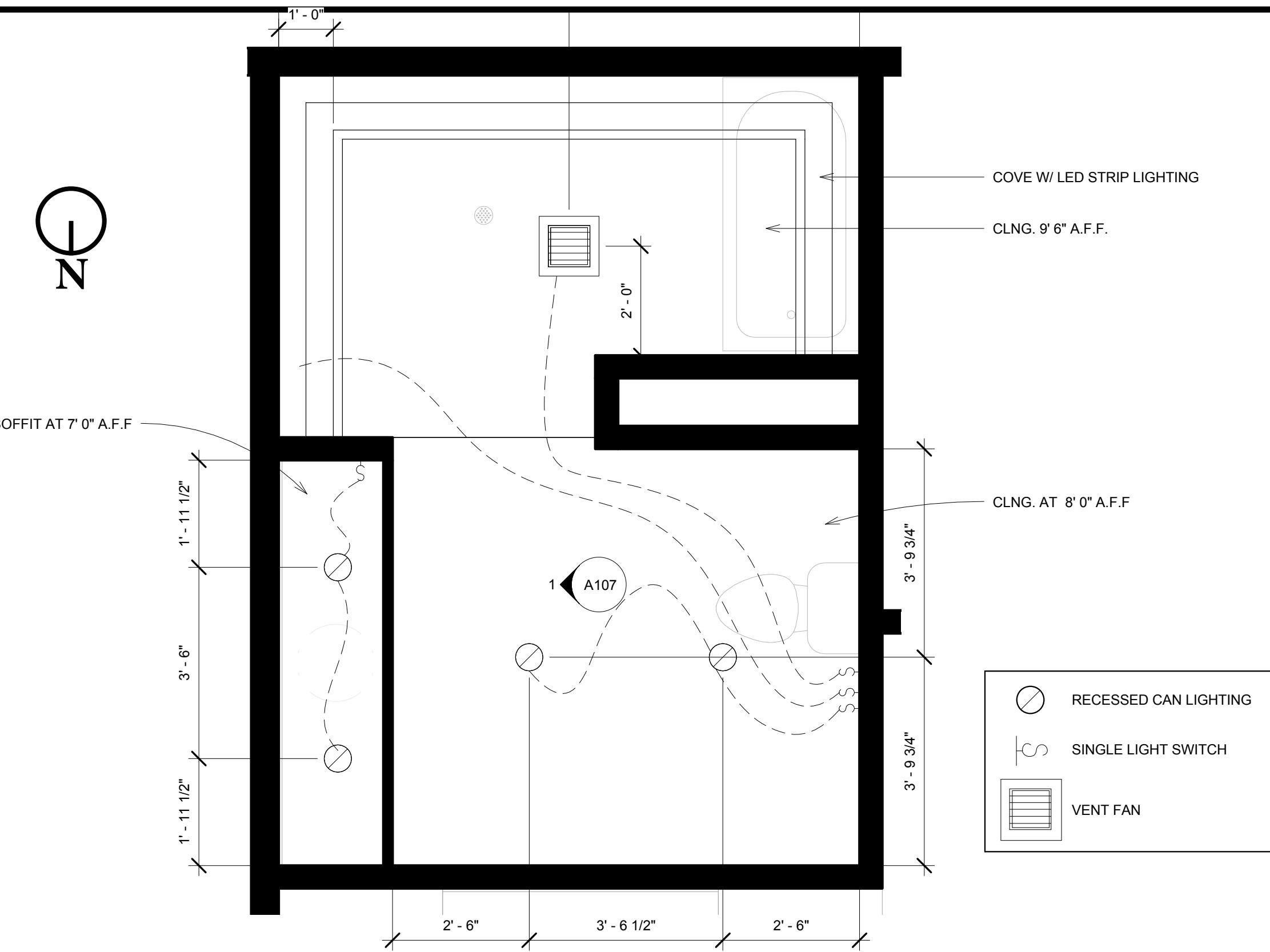
Kitchen RCP



Kitchen Elevation

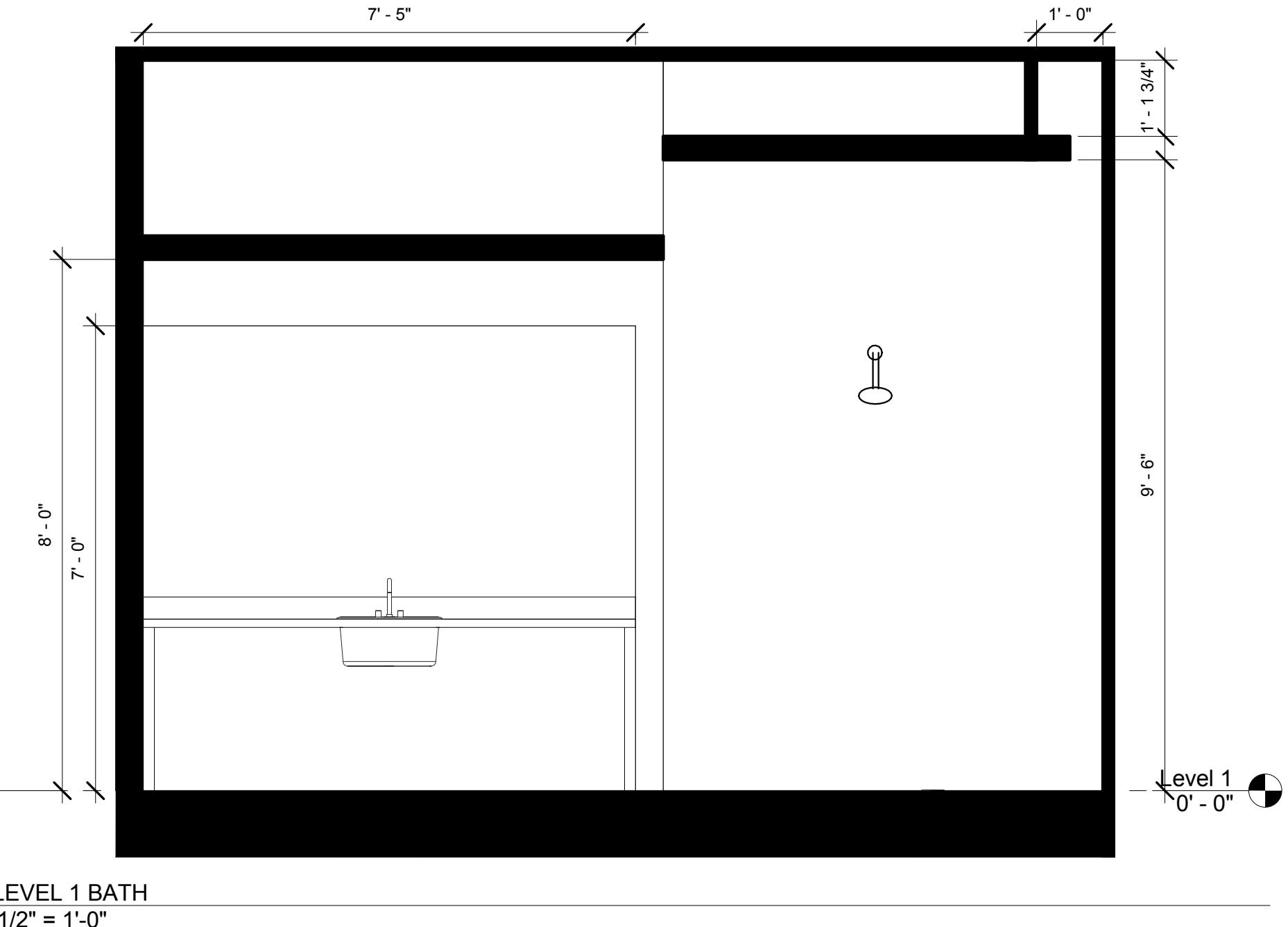


Bathroom RCP



① Level 1 - BATHROOM
1/2" = 1'-0"

Bathroom Elevation



Final Renders



NORTH

1 Level 1 FURNITURE FLOOR PLAN
1/8" = 1'-0"



Unit 2

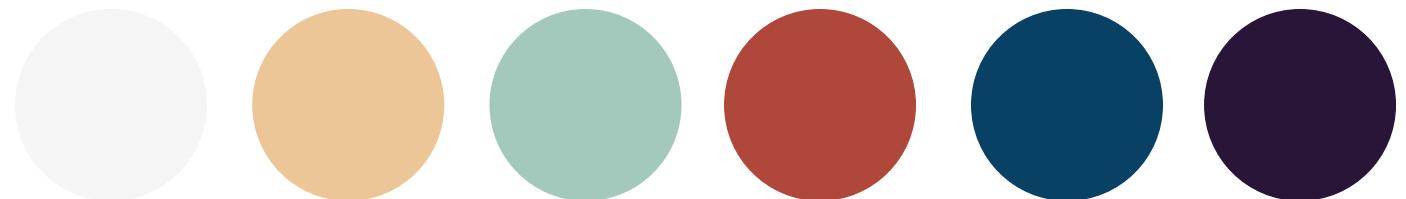
Concept Development



Program

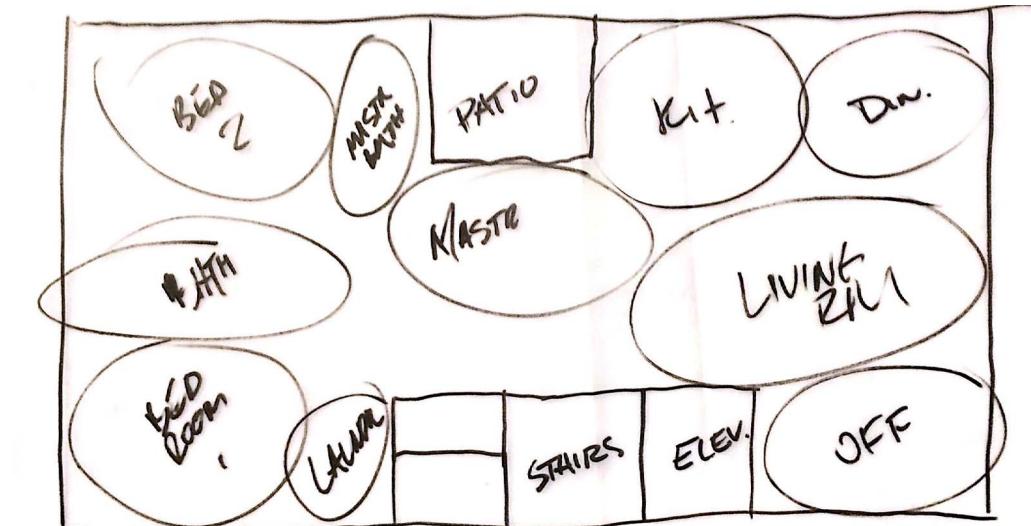
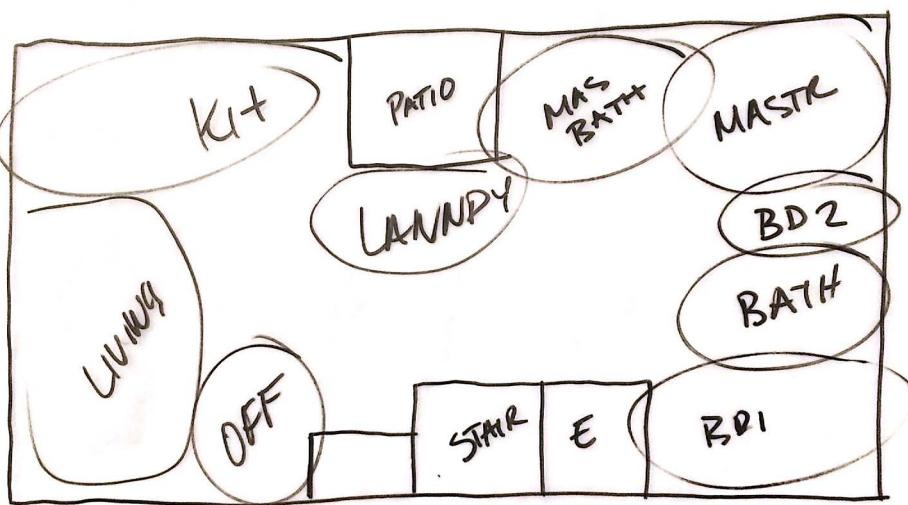
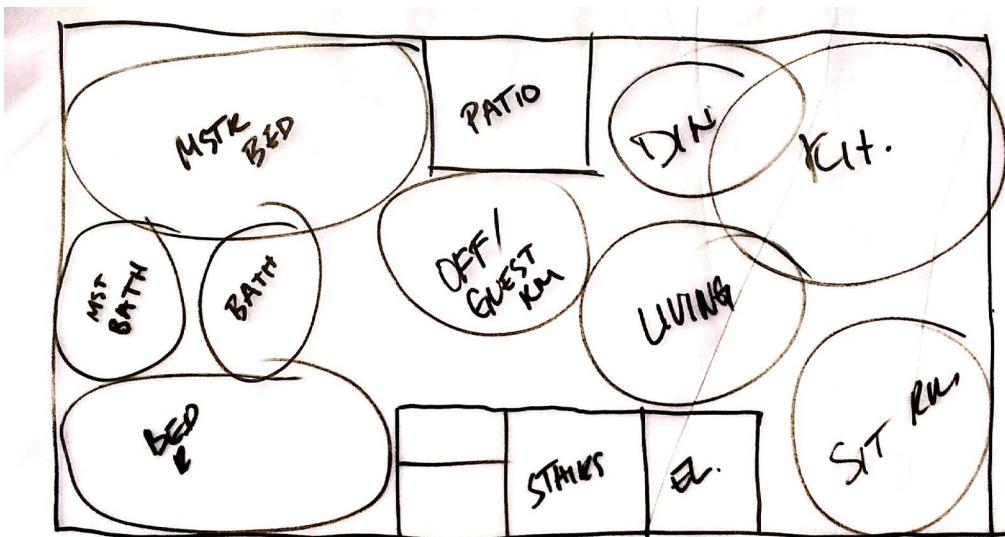
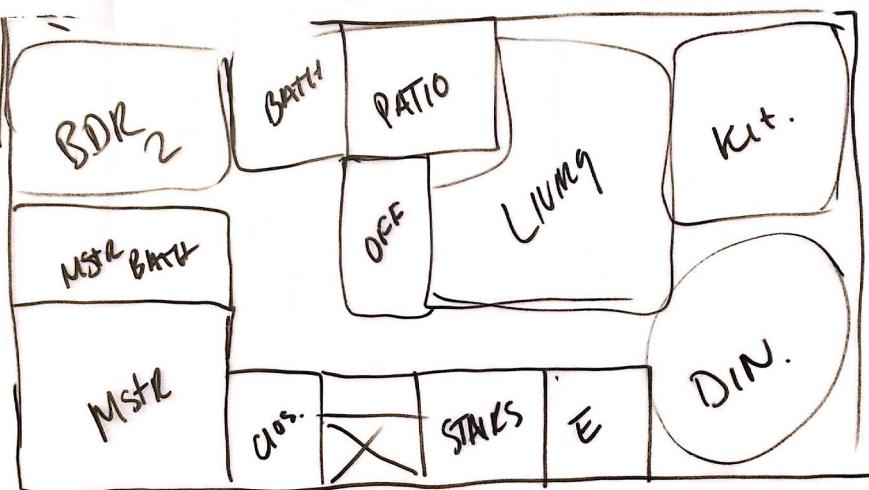
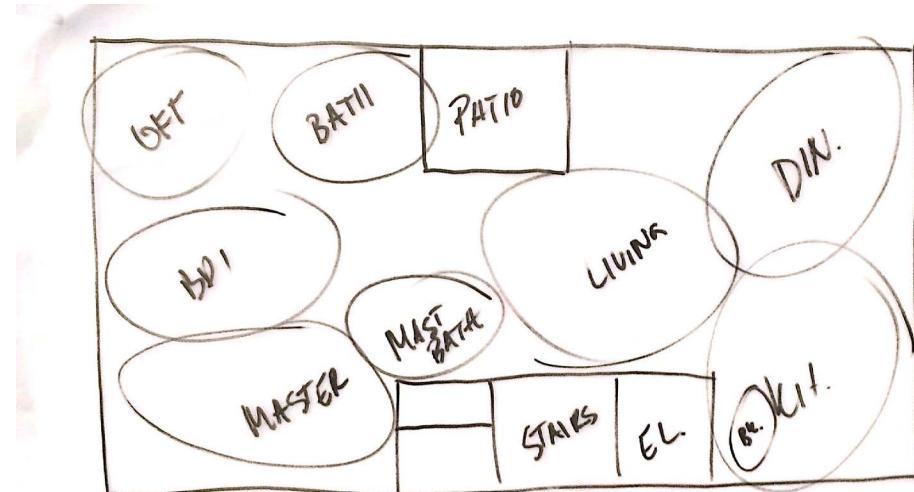
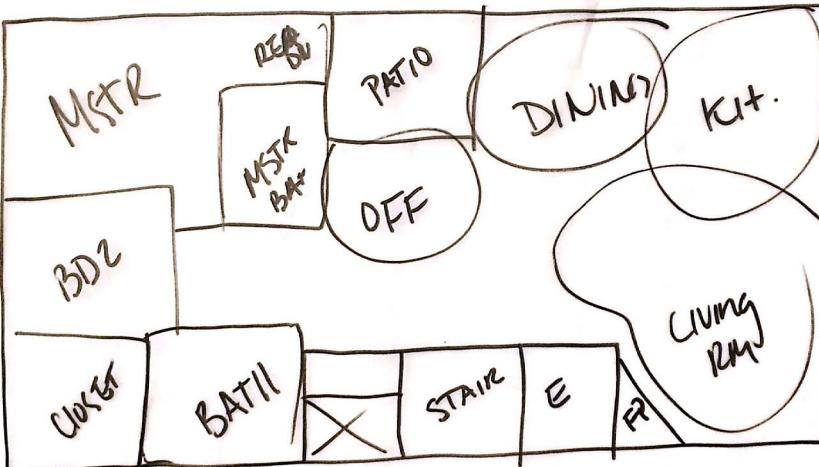
The second floor unit belongs to a father named Jason and his 12 year old twin daughters Aimee and Chloe. Aimee has cerebral palsys meaning that the design must provide a safe and open design.

1. Two bedrooms:
 - Jason- Master suite
 - Aimee & Chloe- ADA accessible.
2. Two full bathrooms
3. Laundry
4. Kitchen
5. Dining
6. Living Room
7. Jason's Office

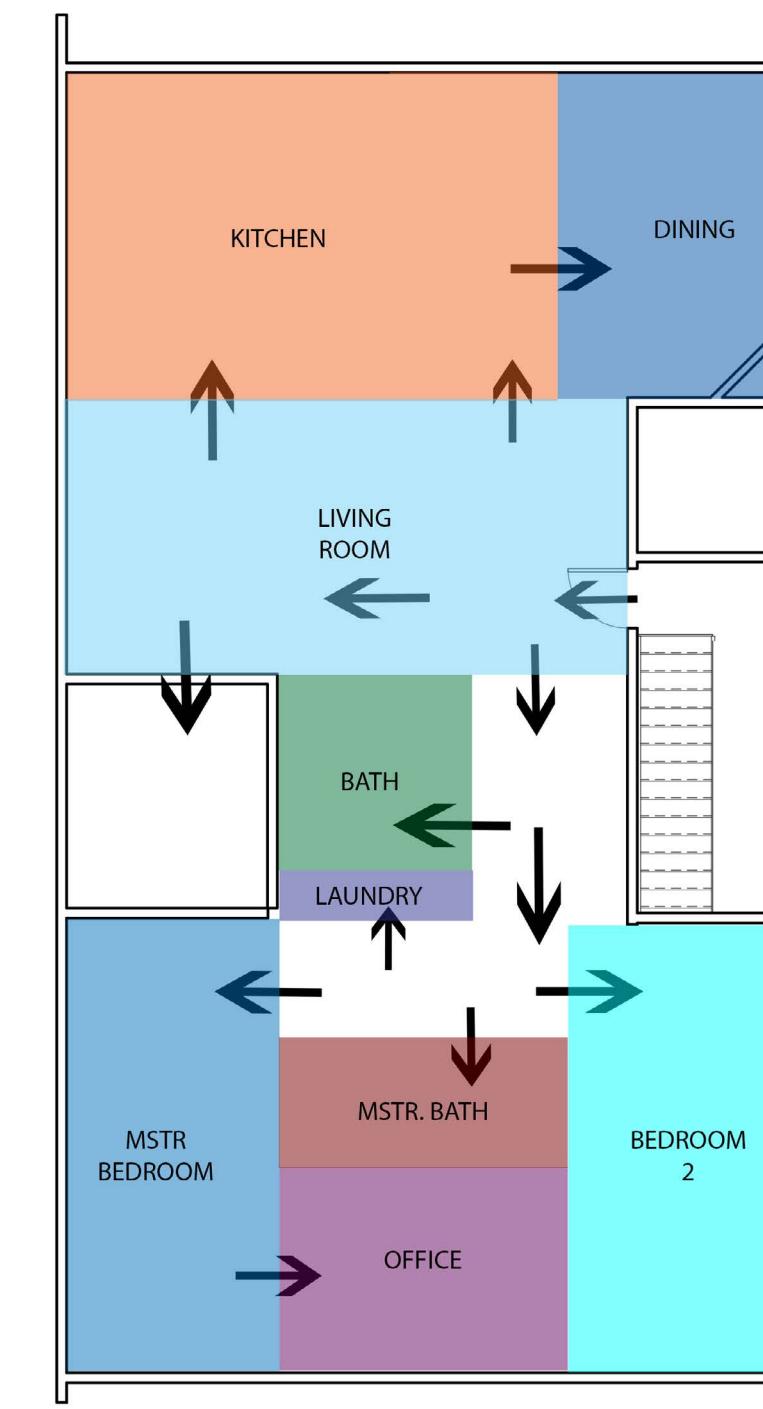
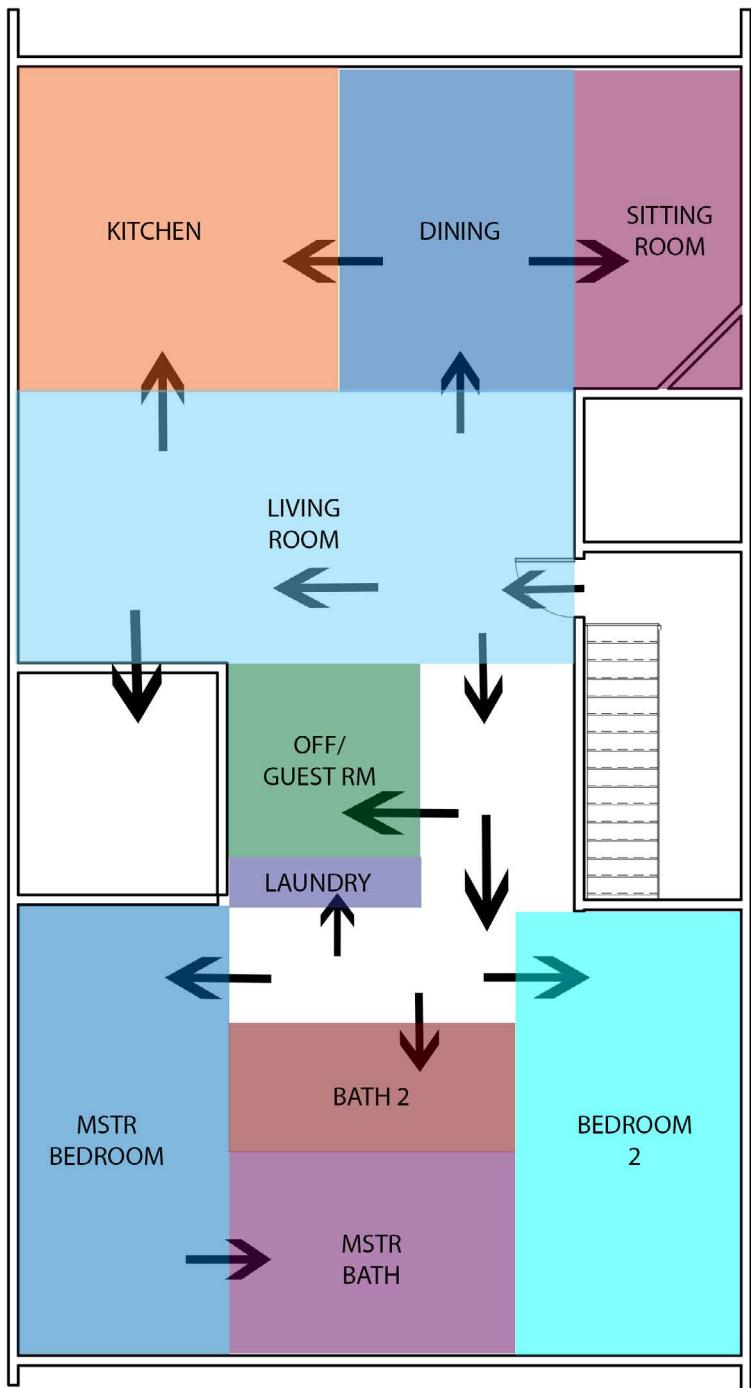


My concept for the second floor unit is the ocean. The ocean is the big beautiful and magnificent place that contains life and a whole lifestyle many humans can not even fathom to understand. For many people the ocean is a calm, beautiful serenity. The family that resides in the second floor unit contains a single father raising his twin girls and one of those twins has Cerebral Palsy. I felt the ocean represents their life, they have a whole different lifestyle from many families and it is not easy. I want to bring peace and serenity to their home, so that when they come home after a long day, they can feel relaxed and at peace, a great escape that is always there.

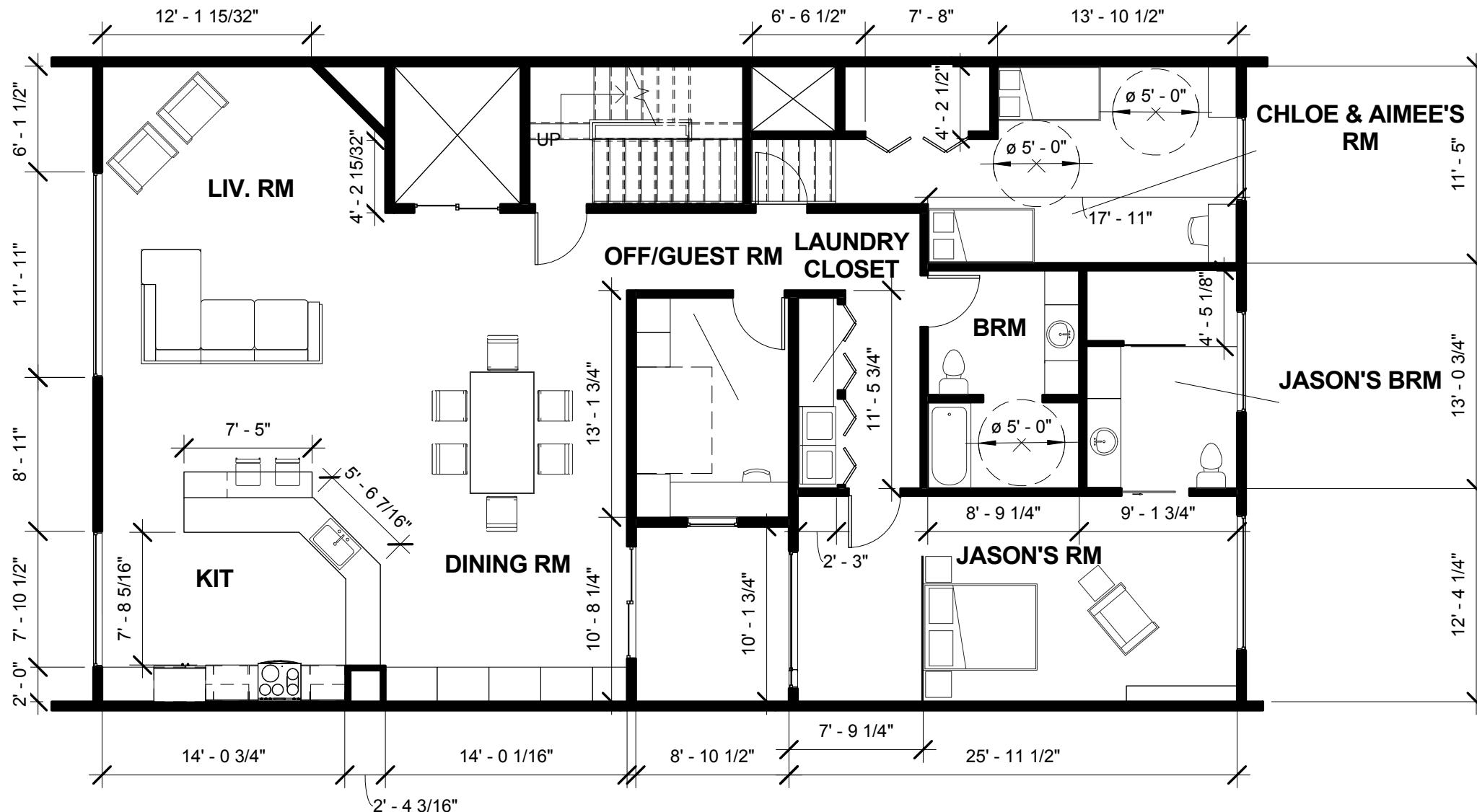
Bubble Sheets



Block Diagrams



Furniture Floor Plan



1 Level 2 FURNITURE FLOOR PLAN
1/8" = 1'-0"

Preliminary 3D Model

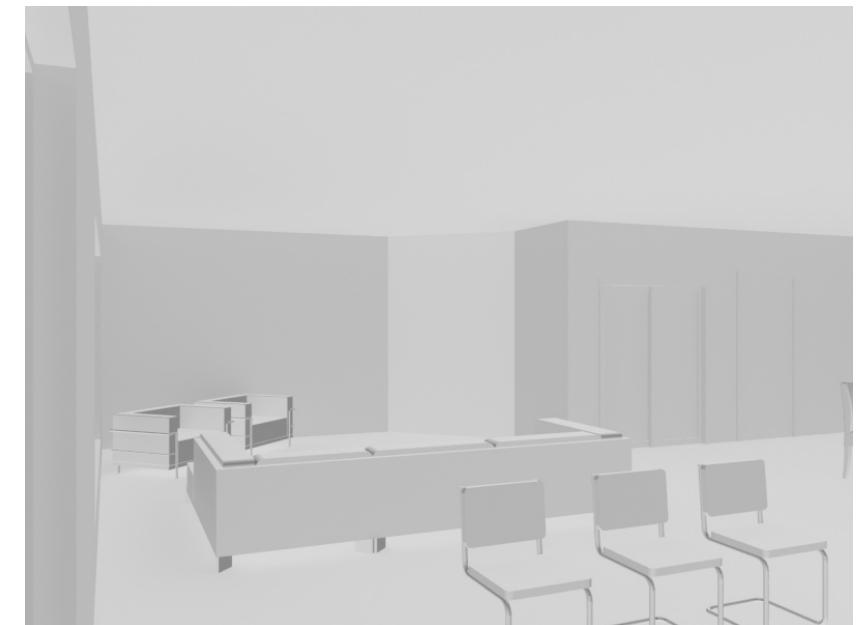
Jason's Room



Dining Room & Kitchen



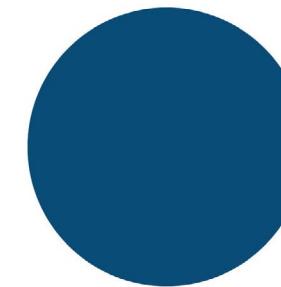
Livingroom





Bamboo Flooring
Manufacturer: Strandwoven
Location: Kitchen, Dining Room, Livingroom, Bedroom

Bamboo is a fast growing renewable resource. The company uses low-VOC glues during the compression process and kiln dries the wood 3 times causes a strength of 2.5x the traditional oak wood.



Pressed Glass Wall Material
Manufacturer: 3 Form
Location: Bathroom



Quartz Stone Countertop
Manufacturer: Ice Stone
Location: Kitchen, Bathroom

94 % made of crushed waste stone left over in quarries or from natural stone beds.



Pressed Glass Wall Material
Manufacturer: 3 Form
Location: Master Bedroom



Tile
Manufacturer: Fire Clay Tile
Location: Bathroom, Kitchen

Tile made from recycled materials.



Toilet
Manufacturer: Kohler
Location: Bathroom

Watersense toilet that complies with strict EPA guidelines. Uses gravity to flush, saving energy. ADA compliant.



Tile
Manufacturer: Fire Clay Tile
Location: Bathroom, Kitchen

Tile made from recycled materials.



Sink
Manufacturer: Kohler
Location: Bath

Final Renders



NORTH

1 Level 2 FURNITURE FLOOR PLAN
1/8" = 1'-0"



Unit 3

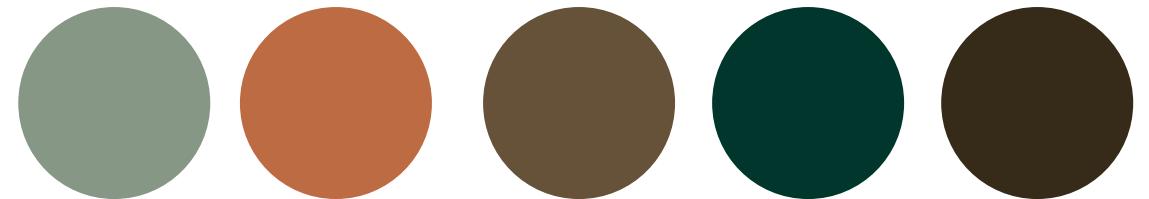
Concept Development



Program

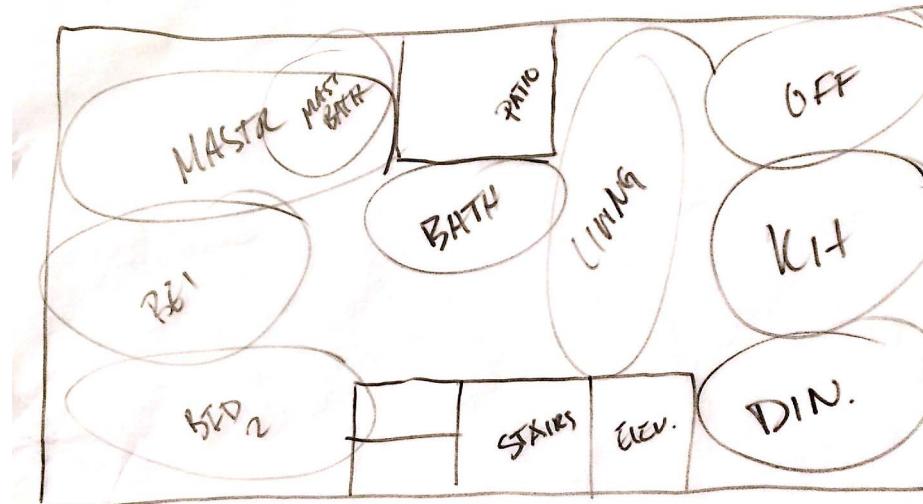
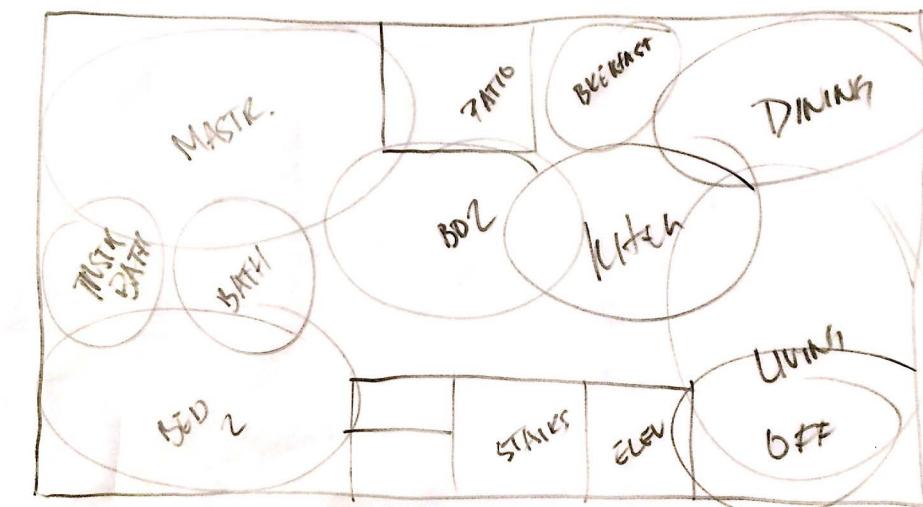
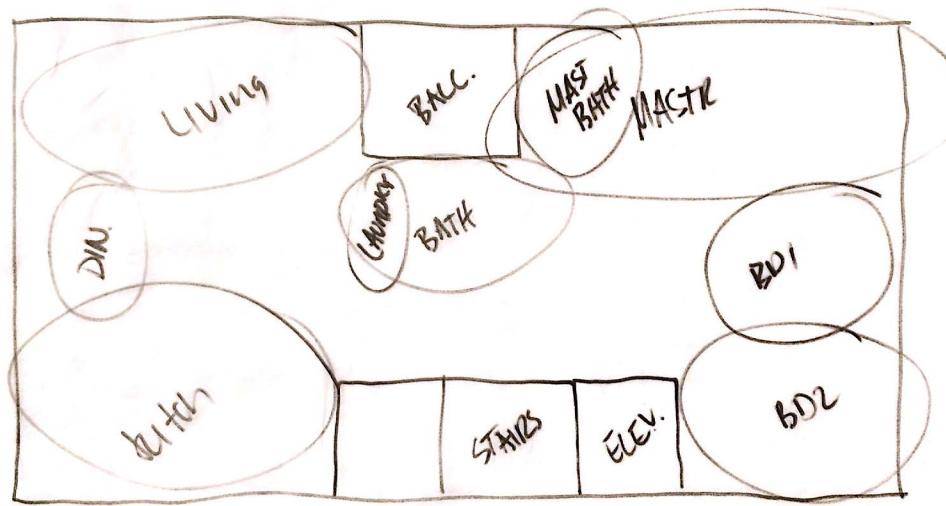
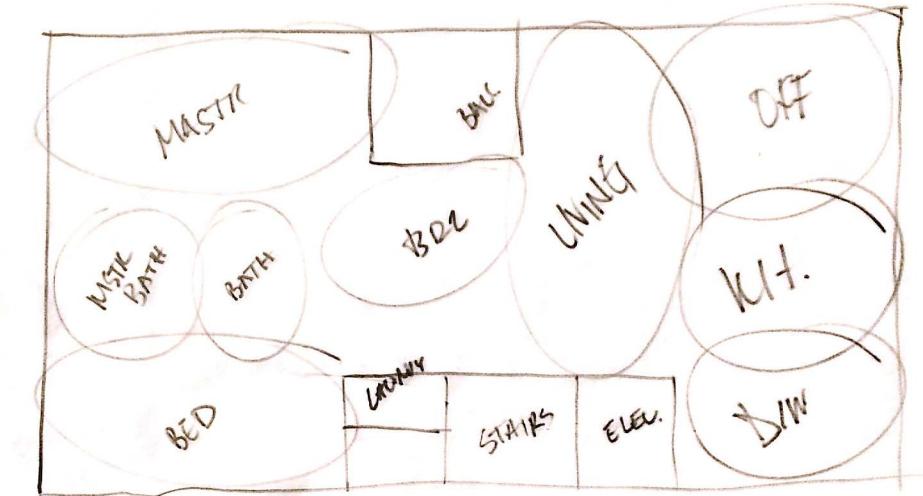
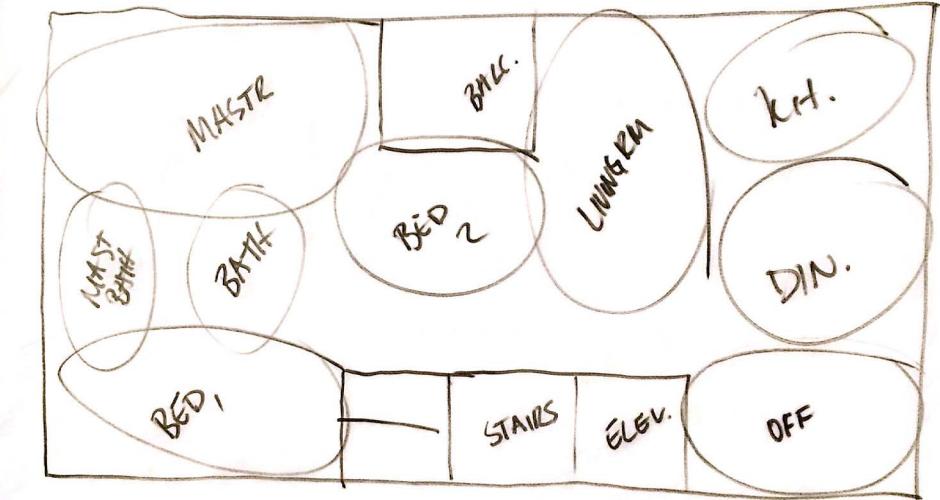
The third floor unit belongs to the owner of the building. She will require a more high end design. Maria has a teenage daughter and her father living with her. She runs her own business from home and there needs to be adequate space for each one of the family members to have their own space.

1. Three bedrooms:
 - Maria's- Master Suite
 - Frank- (Maria's Father)
 - Sinoma- (Maria's teenage daughter)
2. Two full bathrooms
3. Laundry
4. Kitchen
5. Dining: seats at least 6
6. Living Room
7. Maria's Work Office: 2-3 employees. Separate from private area's.

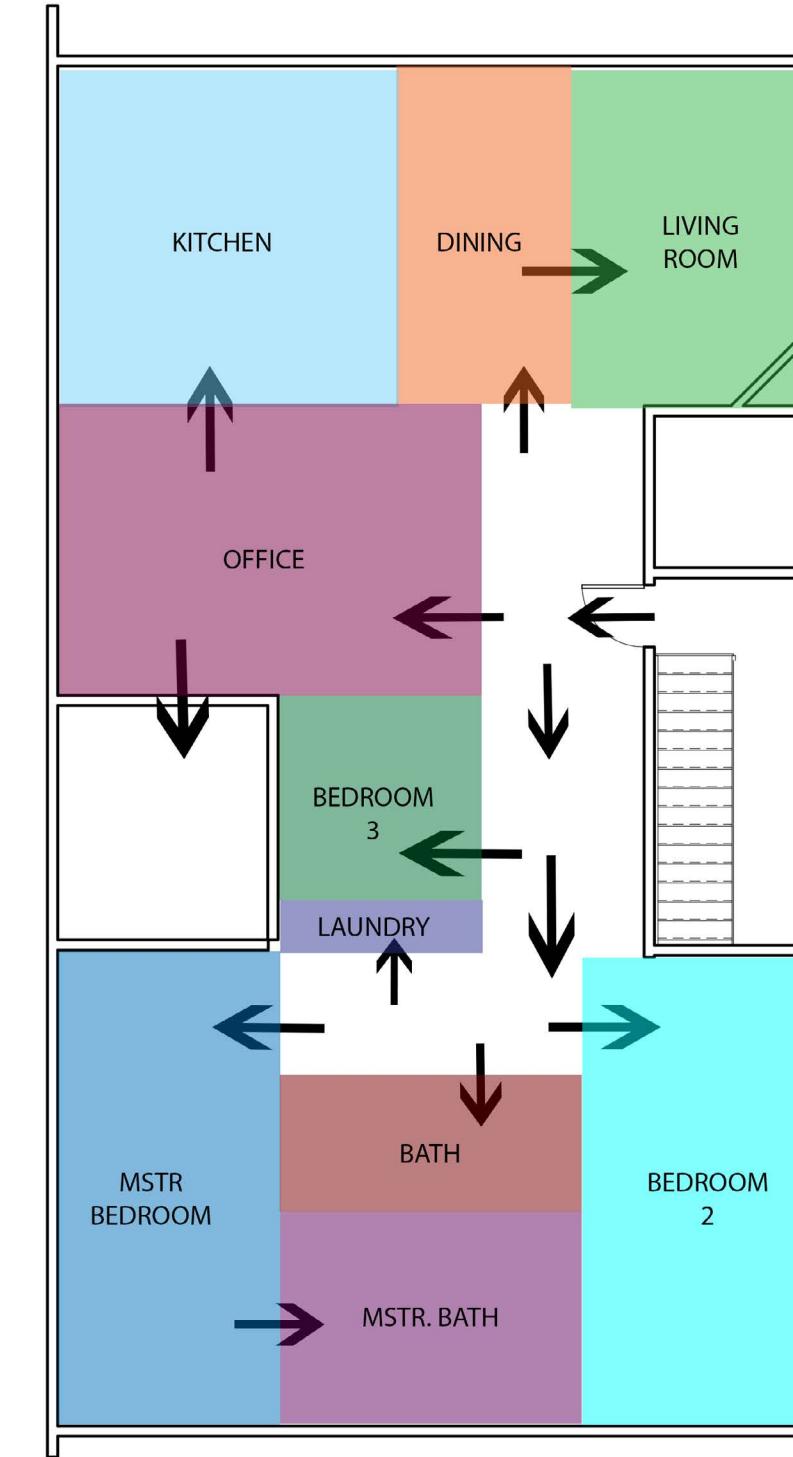
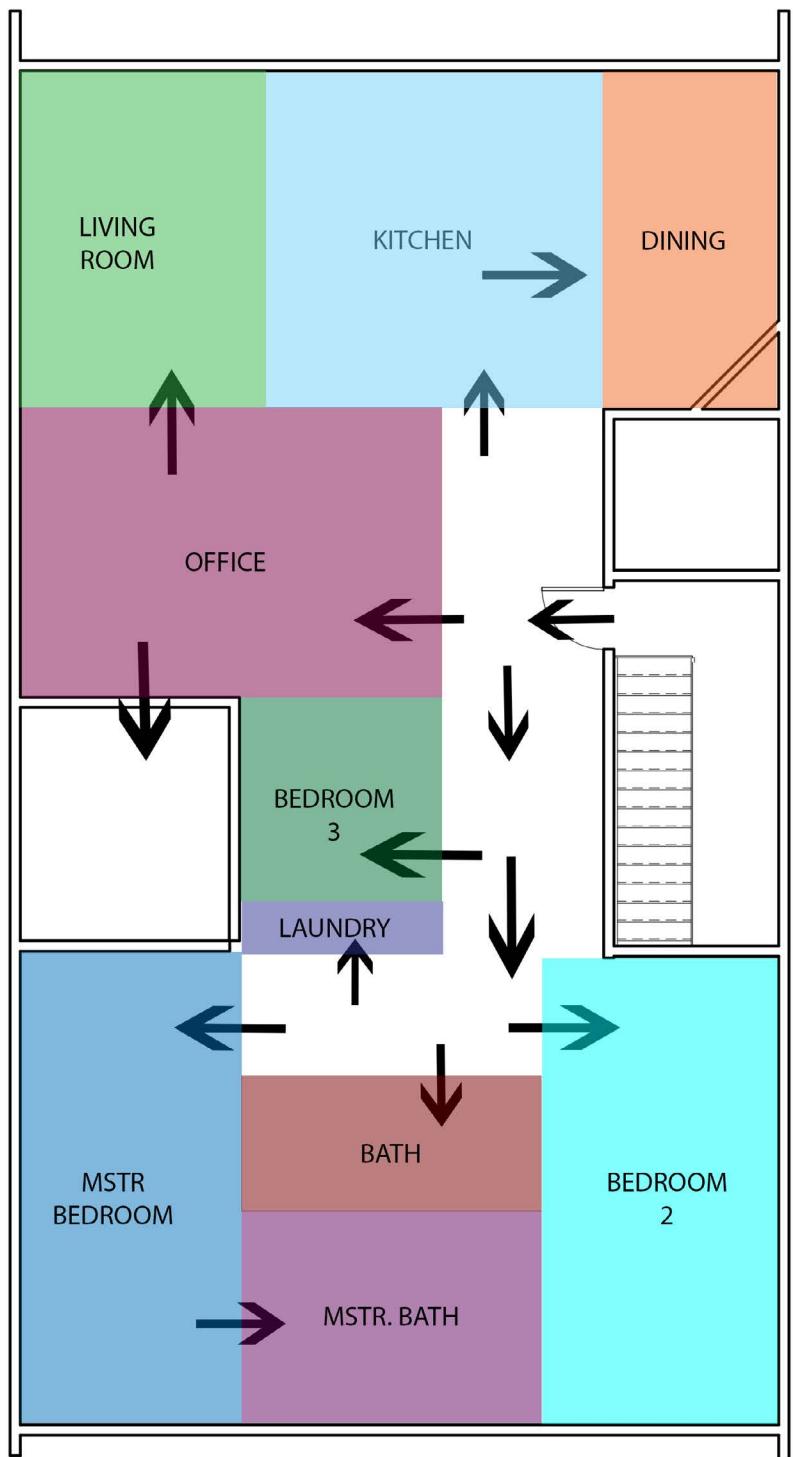


My concept for the third floor unit is a tree. The tree is a perennial plant that has a strong structure called a trunk with roots holding it into the ground and feeding it nutrients. The tree also breaks off into many different small branches, each branch being a different shape, size, etc. The tree is used for many different symbolisms but mostly for the "Tree of Life" and used in the term of "Family Tree". The third floor unit is comprised of a single mother, her teenage daughter and her father (whom is elderly). I felt that the tree best represented this family because as a whole they are a strong family who are there for each other yet they are all their own separate branches. There is also a fourth branch of Maria's employees. Different branches, different people, different likes and different needs. The tree concept best describes their unity and individuality.

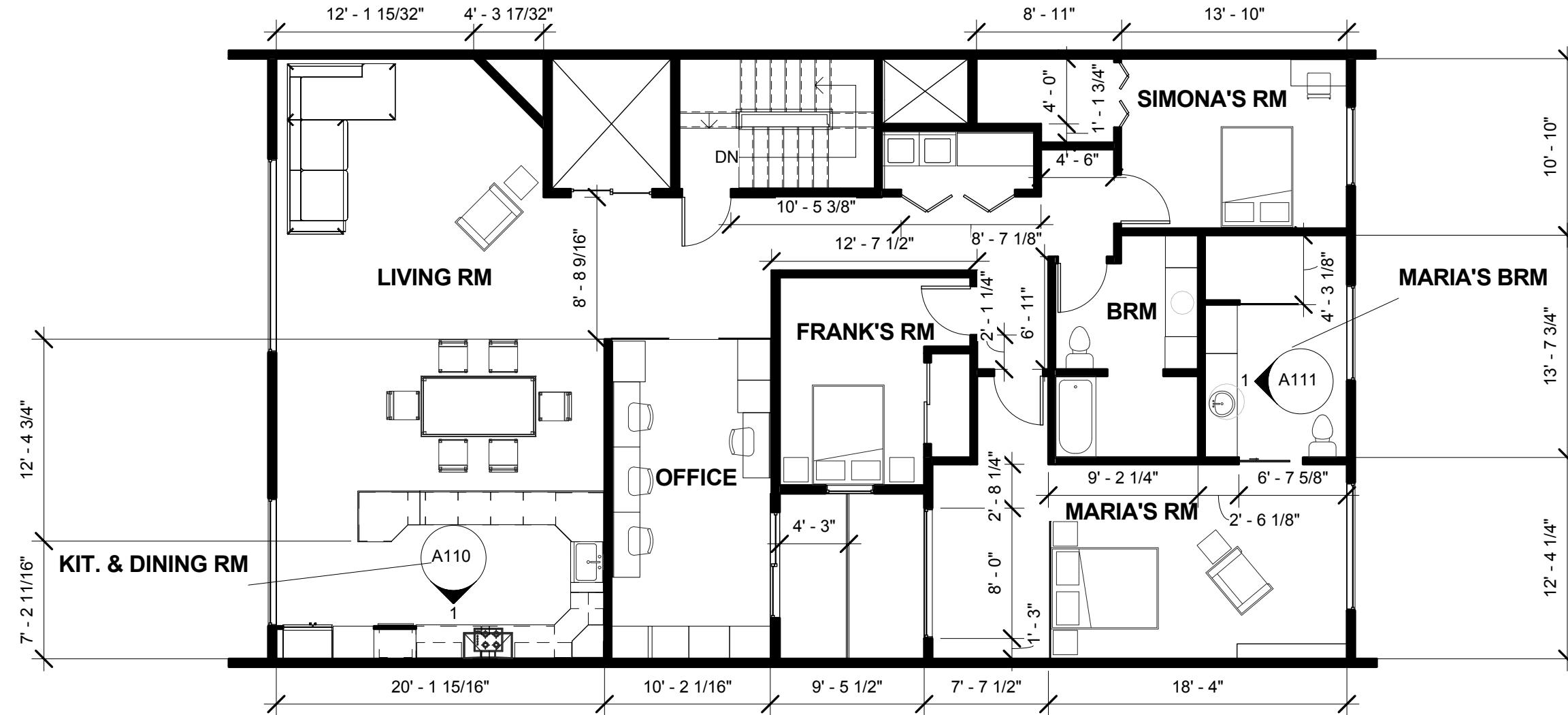
Bubble Sheets



Block Diagrams



Furniture Floor Plan



NORTH

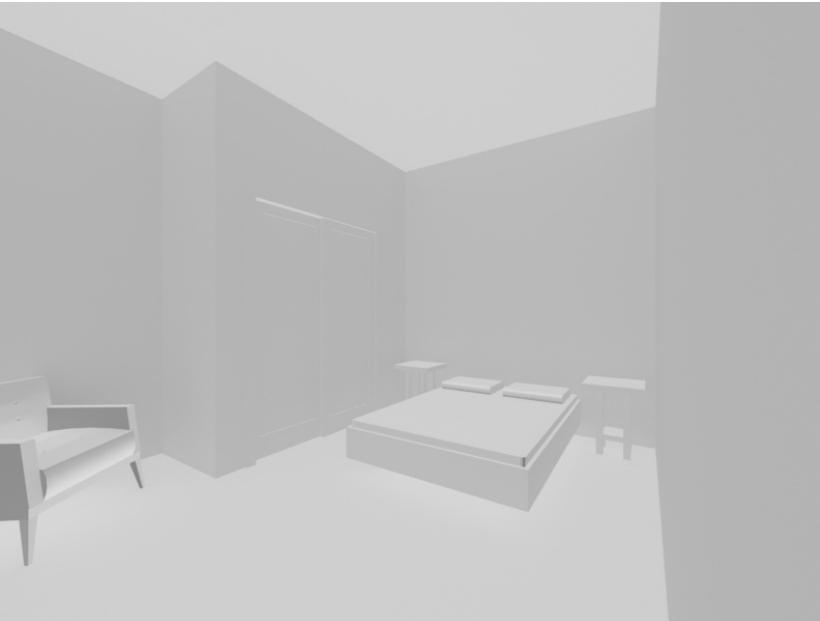
1 Level 3 FURNITURE FLOOR PLAN
1/8" = 1'-0"

Preliminary 3D Model

Office



Frank's Room



Maria's Bathroom





Bamboo Flooring

Manufacturer: Strandwoven

Location: Kitchen, Dining Room, Livingroom, Bedroom

Bamboo is a fast growing renewable resource. The company uses low-VOC glues during the compression process and kiln dries the wood 3 times causes a strength of 2.5x the tradition oak wood.



Quartz Stone Countertop

Manufacturer: Ice Stone

Location: Kitchen, Bathroom

Ice Stone countertops are made of three simple ingredients: 100% recycled glass, portland cement and non toxic pigments. It is petrochemical and plastic resins free.

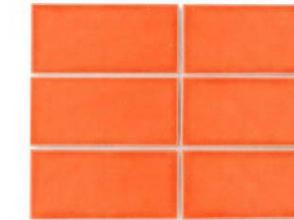


Tile

Manufacturer: Fire Clay Tile

Location: Bathroom, Kitchen

Tile made from recycled materials.



Tile

Manufacturer: Fire Clay Tile

Location: Bathroom, Kitchen

Tile made from recycled materials.



Tile

Manufacturer: Fire Clay Tile

Location: Bathroom, Kitchen

Tile made from recycled materials.



Varia Ecoresin Wall Material

Manufacturer: 3 Form

Location: Office

Resin made up of 40% consumer recycled material.

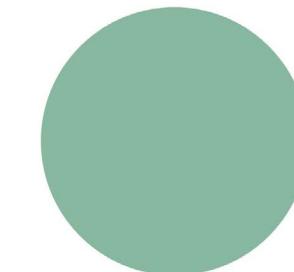


Tile

Manufacturer: Fire Clay Tile

Location: Bathroom, Kitchen

Tile made from recycled materials.

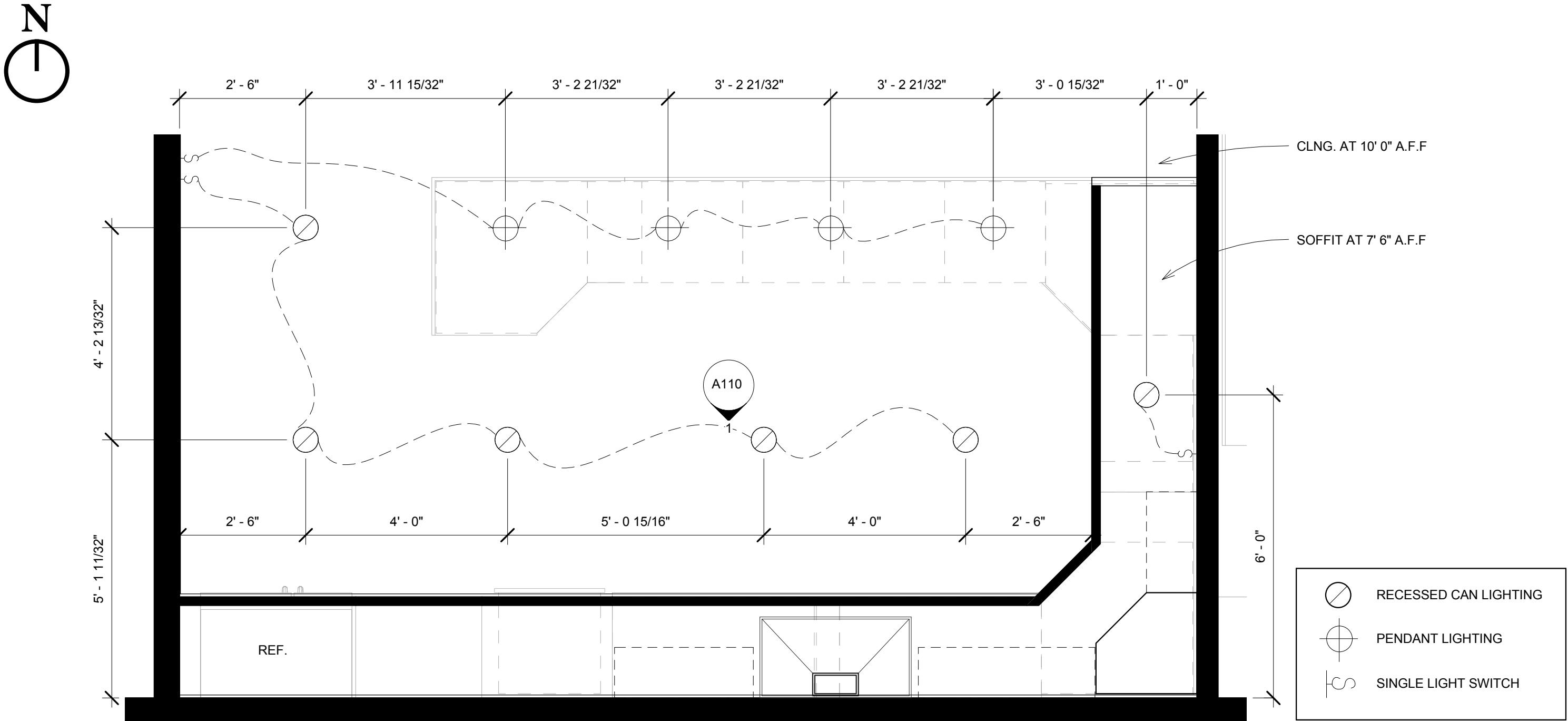


Pressed Glass Wall Material

Manufacturer: 3 Form

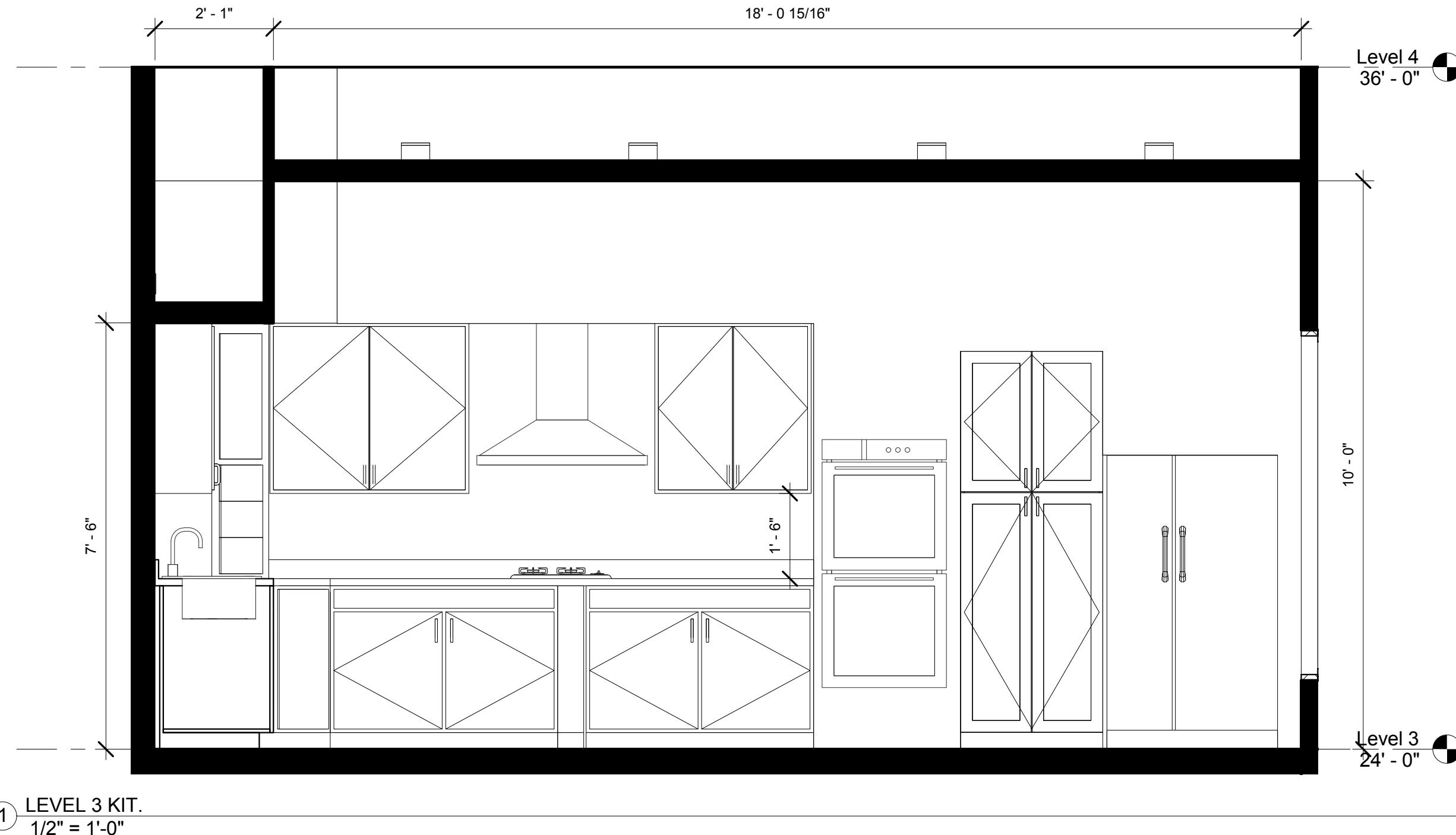
Location: Bathroom

Kitchen RCP

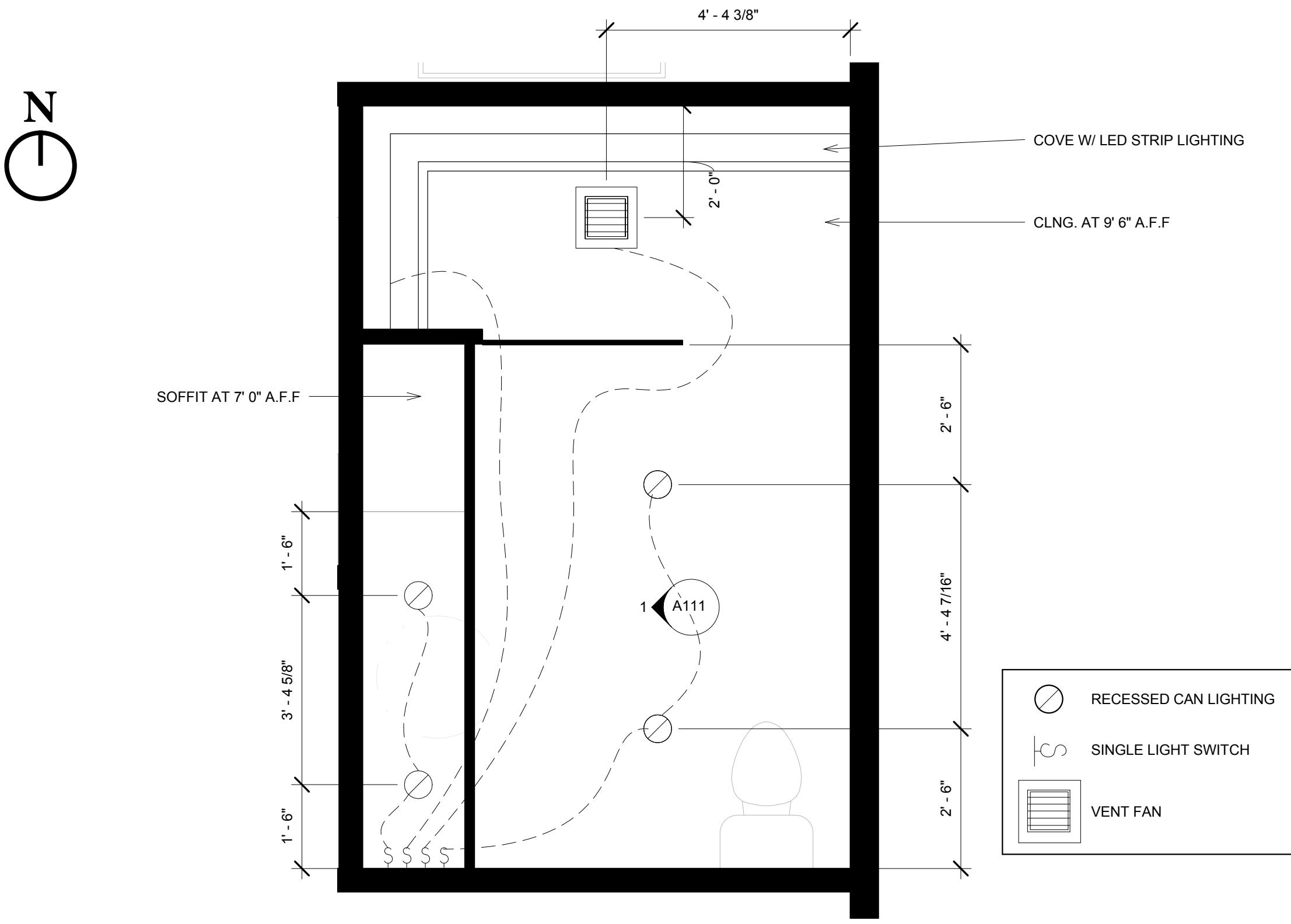


1 Level 3 - KITCHEN
1/2" = 1'-0"

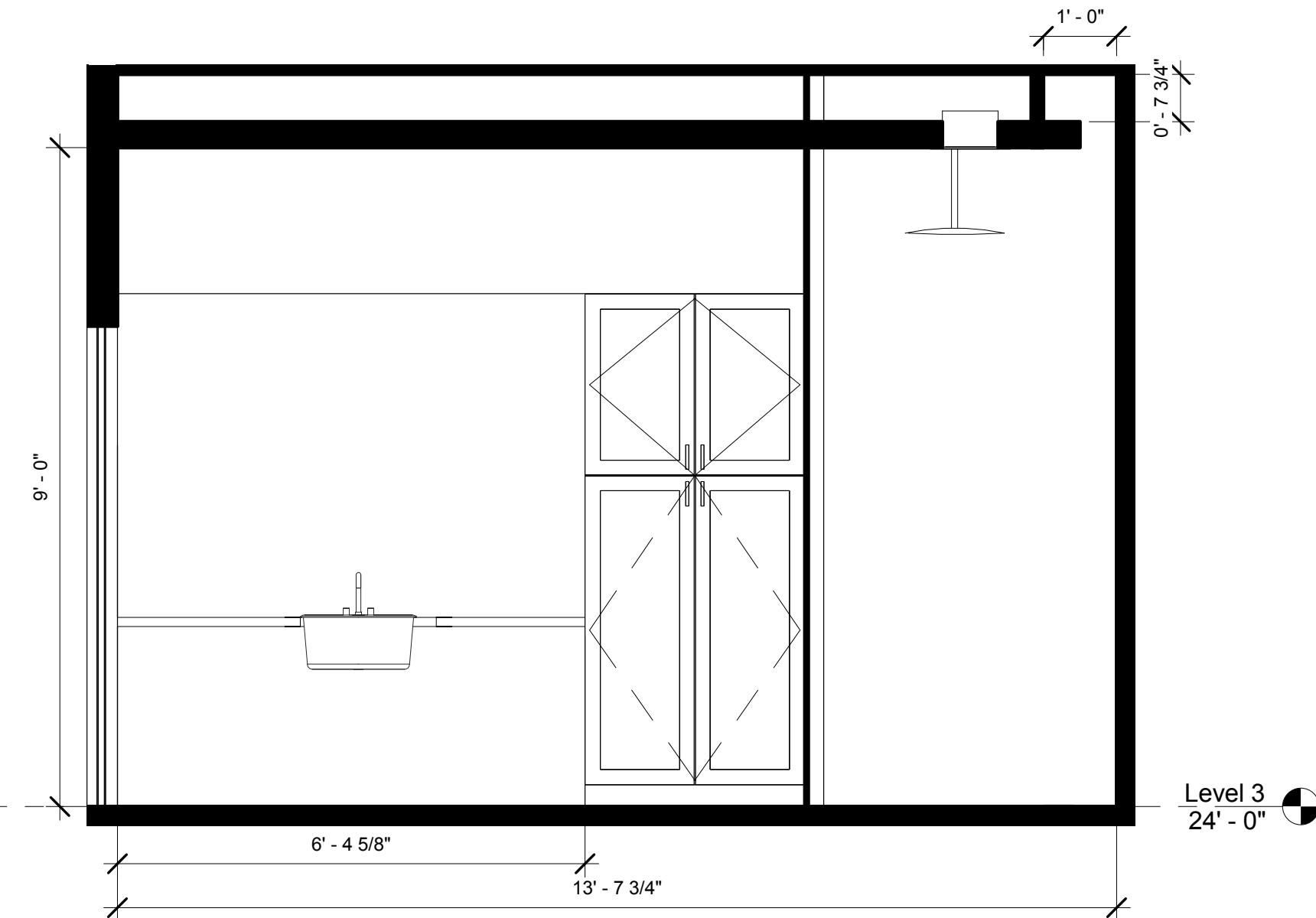
Kitchen Elevation



Bathroom RCP



Bathroom Elevation



Final Renders



① Level 3 FURNITURE FLOOR PLAN
1/8" = 1'-0"

Specifications

