

This report represents original student work and recommendations prepared by students in the Indiana State University Sustainable City Program for the City of Sullivan. Text and images contained in this report may not be used without permission from Indiana State University. All information provided is not subject to publication.







ACKNOWLEDGMENTS

The authors wish to acknowledge and thank the city of Sullivan for making this project possible. We would like to thank Mayor Lamb and JD Wilson for their assistance and contributions that were instrumental to the entire project.

Mayor Clint Lamb, City of Sullivan

JD Wilson, City of Sullivan

ABOUT SC

The Sustainable Cities (SC) Program is an experiential learning partnership focusing on sustainability and cities in Indiana. Disciplines across the institution are tasked with addressing sustainability issues in a specific community by integrating these into experiential projects for ISU students. These problems range from strategic planning recommendations to community needs assessment, to understanding the impacts of waste strategies, and to mapping trail systems, and many other issues.

This is a year-long partnership, in which students and faculty in courses collaborate with one specific community partner on these projects. Communities throughout Indiana have leaders who want to make real change. These leaders are passionate about moving their cities forward into the future, but are often limited by lack of resources, staff, and budget.

The SC Program utilizes the innovation and energy of students and faculty to provide ideas that will address these issues. This relationship reinforces and strengthens our Indiana communities.

Each ISU course and community partner will produce tangible and relevant outcomes for the community partner while providing ISU students with real world project completion. This report serves as this outcome.

SC PLANNING COMMITTEE

Nancy Rogers, Ph.D., Vice President for University Engagement

Greg Bierly, Ph.D., Dean of the Honors College

Heather Dalton-Miklozek, Ph.D., Director of the Center for Community Engagement

Daniel Pigg, Director of the Business Engagement Center

Garrett Hurley, Interim Sustainability Coordinator

ABOUT SULLIVAN, IN

Sullivan, IN is the county seat of Sullivan County and serves as a hub for the towns of Carlisle, Dugger, Farmersburg, Hymera, Merom, and Shelburn. Sullivan, IN was founded in 1853 and became the county seat. The total city limits is 1.88 square miles, but there are more residents living outside of this area that contribute to the community of Sullivan. Today, Sullivan has the largest estimated population as an incorporated town in Sullivan County.

Sullivan faces many similar social, environmental, and economic challenges to other rural Hoosier towns and others that are unique to the city itself. There are approximately 8,500 people available for the labor force in Sullivan County. Since 2009, the unemployment rate has steadily decreased in the county. There's approximately 2,500 people that live in Sullivan but work in other counties. Some of the major employers in Sullivan are Raybestos Powertrain LLC, Hoosier Energy Emergency, Peabody Energy Corp., Sullivan County Community Hospital, and Raybestos Products Co.

A common thought among Sullivan community members is that students that go to college graduate and don't return to Sullivan. The highest degree attainment of folks 25 and older in Sullivan County is a high school diploma. Trade programs and certifications are a community concern from folks.

Sullivan has a vast history and many points of interest in the community. The Sullivan County Public Library is one of 1,679 libraries designated as a Carnegie library. The Sullivan Civic Center was recently renovated to provide a central location for community member sin Sullivan. The Heart of Sullivan is a civic organization that hosts many large events throughout the year. One of the largest events hosted in Sullivan is the Sullivan Annual Rotary Corn Festival.

This community is full of potential and is being led through a strategic plan intended to bolster its standing for Hoosiers. The ISU Sustainable Cities program intends to help reach that potential.

TABLE OF CONTENTS

Executive Summary	7
Introduction	8
Housing Design Overview	9
Design 1	10
Design 2	12
Design 3	15
Design 4	17
Design 5	18
Design 6	20
Conclusion	22

EXECUTIVE SUMMARY

The city of Sullivan, IN has a neighborhood revitalization plan and requires new housing that will attract new homeowners to Sullivan. The IAD251 course offers Interior Architecture Design sophomores and juniors the opportunity to design their own unique home, so they were tasked with developing concepts and floor plans for Sullivan's empty lots. The course developed ten housing designs, and six are represented in this report.

INTRODUCTION

Sullivan, IN has empty lots, dilapidated lots, and other acquisitioned within the city limits that are prime locations for building new housing to bolster the community. The city identified a need for concepts of potential housing to solicit Request for Proposal's (RFPs) to build. Indiana State University has an experienced Interior Architecture Design program. The IAD 251 integrated the design project of individual home concepts.

IAD 251: Interior Design Studio 1 is a course for junior and sophomore undergraduates in the Interior Architecture Design program. This course integrates learning of all interior architecture design concepts and processes and ends with each student presenting an individually designed housing concept. Multiple assignments such as creating "clients", bubble designs, mockups, and more. All adding to the final presentation of

a floor plan, interior elevation, exterior elevation, and potential design plans for one housing concept.

The students enrolled in the course produced ten separate design concepts complete with floor plans and elevations. These were presented to the city of Sullivan for them to use as potential concepts to solicit RFPs.

HOUSING DESIGN OVERVIEW

Ten IAD251 students were tasked with designing housing concepts that could be realistically built in Sullivan, IN. They were presented with general information and history about Sullivan and its community, and then they were asked to innovate. The students presented final designs to the city of Sullivan with floor plans, interior elevations, exterior elevations, and materials and finishing ideas.

Six designs are represented in this report, as these were identified as the best of the presented designs. All six designs include the required elevations and floor plans.

The first design is a one-story craftsman-style house. The student designed with a family in mind and for aging-in. The home has an open concept that invites openness and strategic privacy in some areas. The following plan includes a floor plan, north and south elevation, half bath elevation, kitchen elevation, and rendered perspectives.

The one level floor plan offers a front entrance that leads into an open concept living room and kitchen. There is a back door that leads to a back deck. The left side of the floor plan offers seclusion and privacy for the bedroom spaces. To the left of the entrance

is a hallway that leads to two bedrooms, one full bath, and one half-bath. The most interesting aspect to this design is a closet washer-dryer unit space. The master bedroom space is off the side of the kitchen.

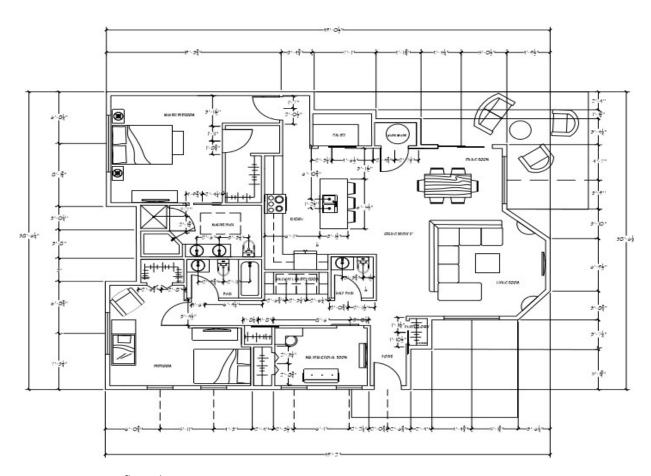


Figure 1. Design one floor plan.



Figure 2. Design one exterior elevations.

The exterior elevations illustrate the single roof structure with shingling. There are columns with stone bases and a car port instead of a garage space.

The second design is a two-story bungalow and craftsman style house. The student designed this house to help attract any family looking to live and thrive within the city of Sullivan. There is a heavy use of natural elements that appeal to younger families and the design is purposeful for a family that will host a lot of people in their home. The following plan includes a site plan, bubble diagram, two-level floor plan, interior elevation, exterior elevation, and multiple interior perspectives.

The first floor offers a front porch entrance with a double door entryway. This opens directly to the living room and kitchen space in an extremely open concept. There is a

tucked hallway leading to the master bedroom and bathroom. There is also a mudroom entrance and second entrance to the back deck.

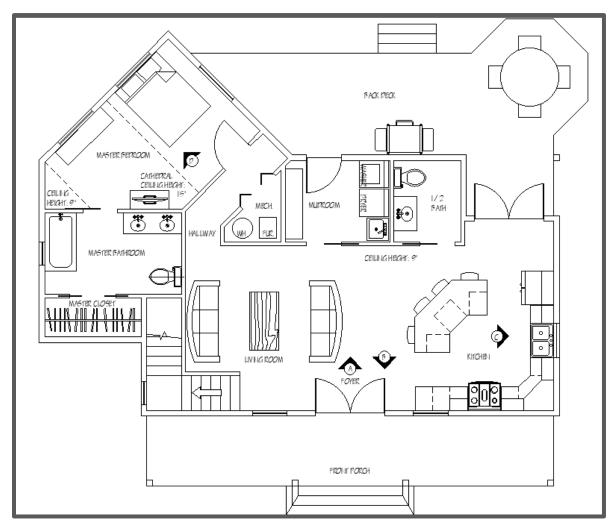


Figure 3. Design two floor plan.

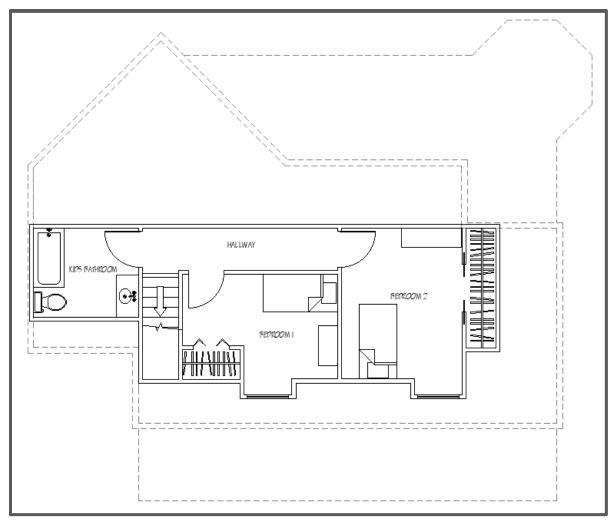


Figure 4. Design two floor plan two.

The second level floor plan is about half the space of the first floor. It has two bedrooms and one full bathroom. This flows with the entire house plan after seeing the roof plan.

The roofing plan indicates converging over the second floor bedrooms with window pop-outs.



Figure 5. Design two house rendering.

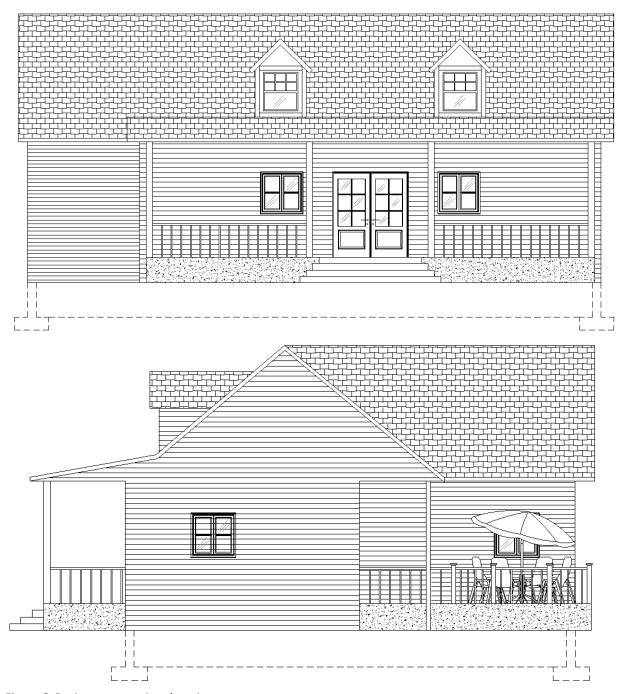


Figure 6. Design two exterior elevations.

The third design is a one-story bungalow style house. The student designed a semi-open concept with a family in mind for the plan. The spacing and placement of rooms is purposeful for the family. The following plan includes a floor plan, exterior elevations, interior elevations, and interior perspectives.

The plan is for an entryway directly into the open living room space and there's a slight break up in openness with a hallway before the kitchen and dining space. However, the

master bedroom and other two-bedroom spaces are broken apart from the two sides of the house intentionally. That way children do not disrupt the parents.

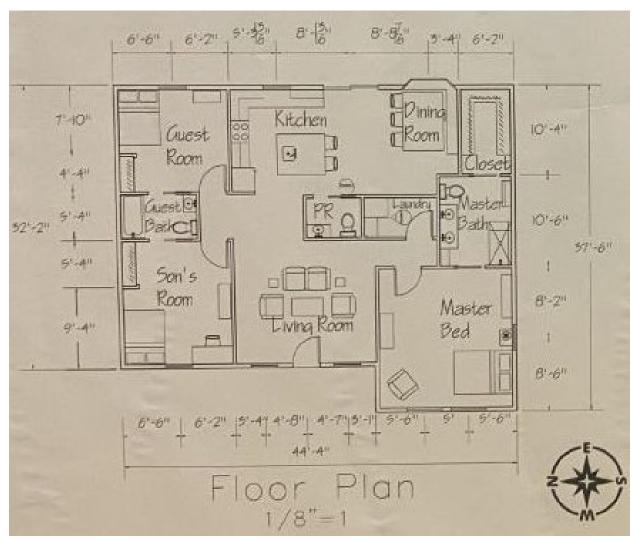


Figure 7. Design three floor plan.

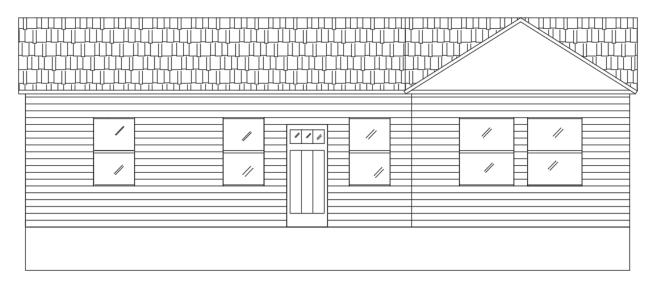


Figure 8. Design three exterior elevation.

The exterior elevation indicates the simple roofing structure with a pop-out wall and roof component. The vinyl siding and slate roofing is uniform design with some of the housing in the area.

The fourth design is a 1,286 square foot house with a farmhouse look and Victorian style elements. The student designed a linearly organized home with a centralized hallway and public area. The home is a modernized upgrade to the other homes around it. The farmhouse style blends with colonial elements to create a quiet atmosphere. The following plan includes a floor plan, exterior elevations, interior elevations, and interior perspectives.

The entry way opens to a foyer with the kitchen and dining room to the right. This space is pretty open as there's a family/living space as well. Then the hallway space leads

to the rooms with privacy. There is dark wooden beams along the ceiling that warm the light space.

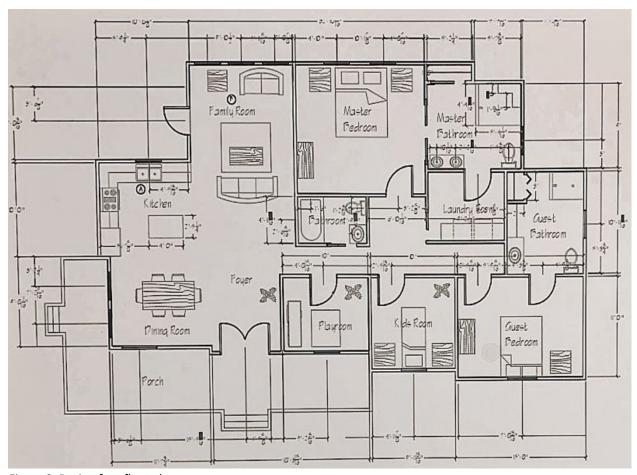


Figure 9. Design four floor plan.

The fifth design is a one story house designed with a family in mind. The student designed a home with private living areas and a farmhouse style. The home marries together rustic and modern style for the farmhouse that will stand out while still fitting in with the neighborhoods in Sullivan. The following plan includes a floor plan, exterior elevations, interior elevations, and interior perspectives.

The floor plan opens with a front porch and a double door entryway to the living room. This home is more secluded with a closed off

kitchen and dining area and separate bedrooms on each side of the house.

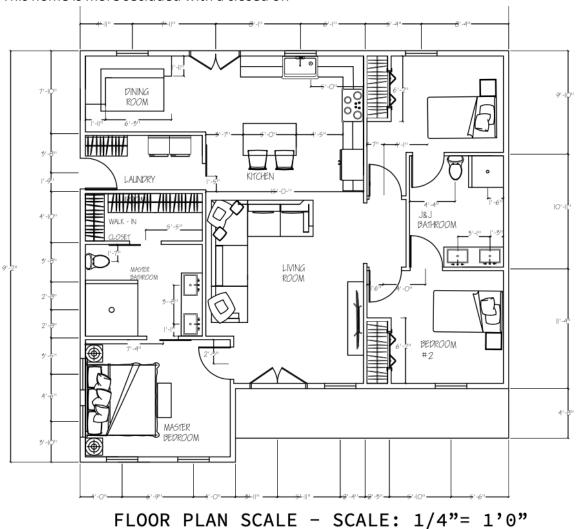


Figure 10. Design five floor plan.

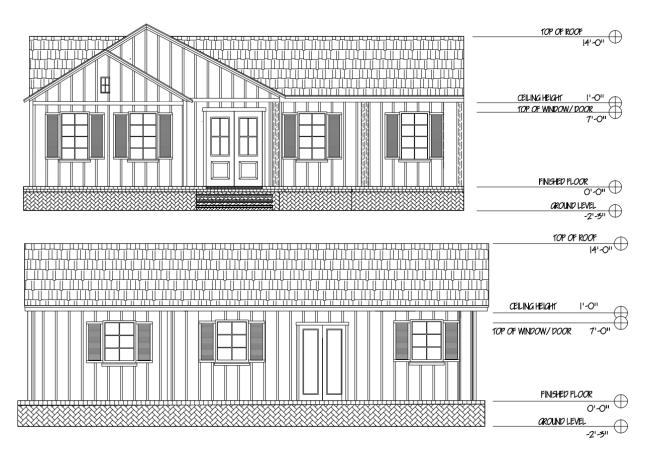


Figure 11. Design five exterior elevations

The sixth design is a two-story house designed with an aging couple with grown children. The home is also attractive for any potential homeowner. The student designed a home with accessible and open living spaces on the first floor and private areas on the second floor. The following plan includes a floor plan, exterior elevations, interior elevations, and interior perspectives.

The floor plan indicates a full front porch at the front of the house and a single door entryway to a small foyer area. This leads to the open space of the kitchen, dining room, and living room. There's also a half-bath and an office area. The floor plan also indicates the second floor that contains a master bedroom, guest bedroom, bathroom, and laundry. There also is a back deck included in the floor plan.



Figure 12. Design six floor plan.

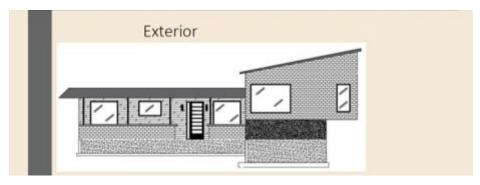


Figure 13. Design six exterior elevation.

The exterior elevation illustrates the unique roofing structure designed by the student. It's slanted inward, whereas typical designs

might have it slanted outward. This is intended to make it stand out from the neighboring homes.

CONCLUSION

Sullivan, IN identified housing as a priority moving into the coming years and tasked the students with designing housing concepts that could be used for potential RFP's. Each individual student designed their own concept and there were six unique designs that stood apart.

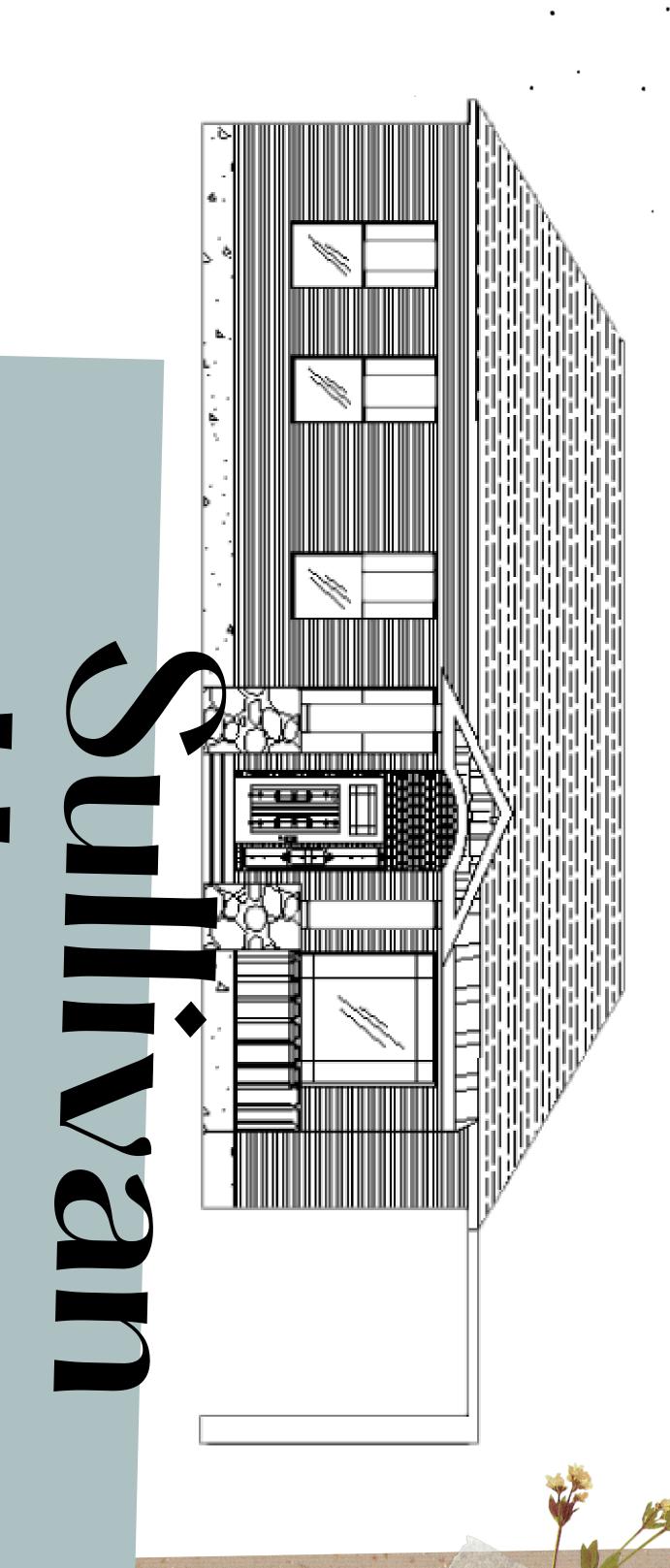
The following themes were present in all housing designs:

- 1. Families were a primary focus for most, if not all, of the student designs which indicates the population present in Sullivan
- 2. Designs that have unique touches but still fit into the existing neighborhoods, because that is more likely to attract families

APPENDIX A.

Student presentation boards.





NPIRATION

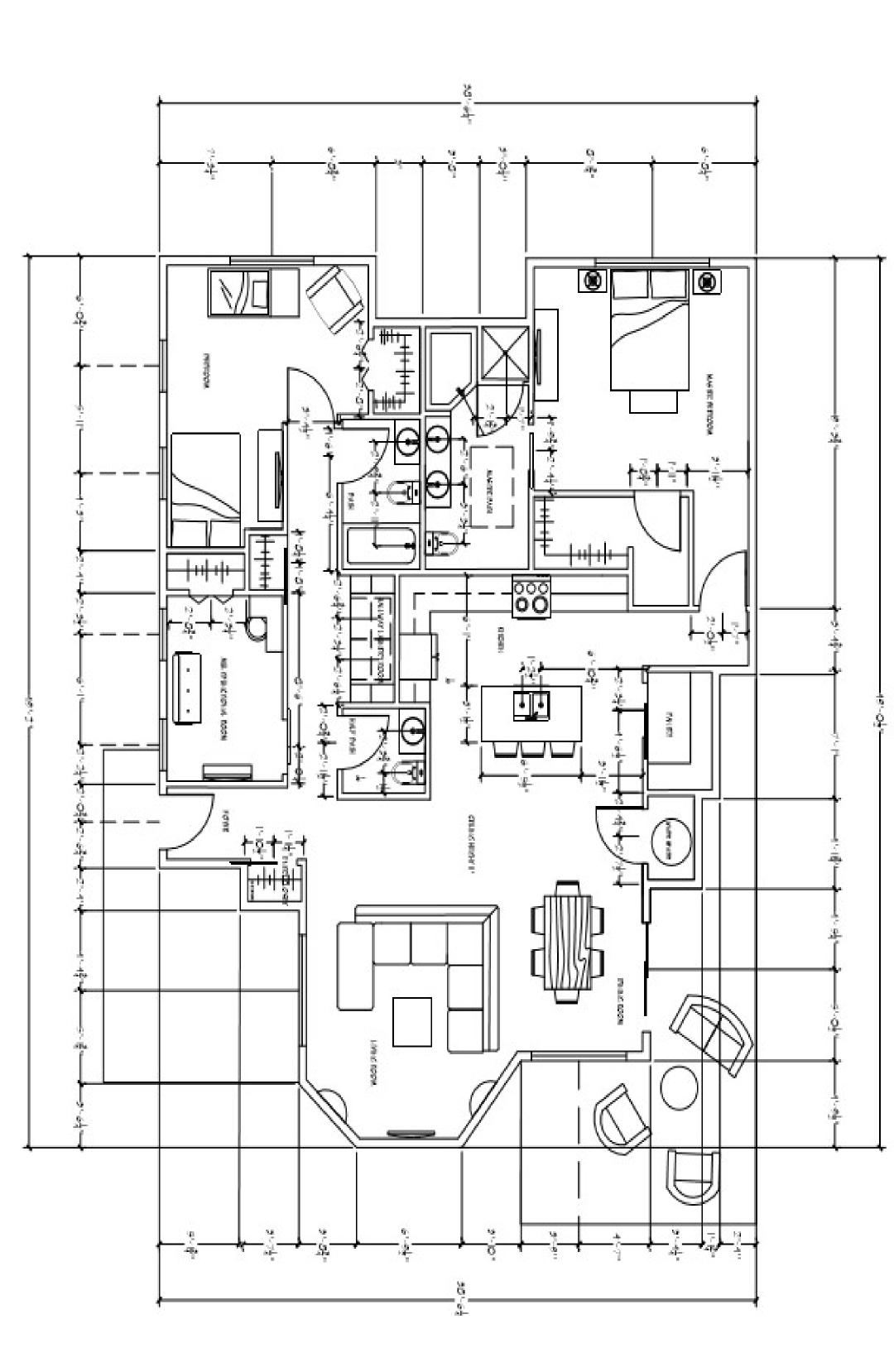


color palelle



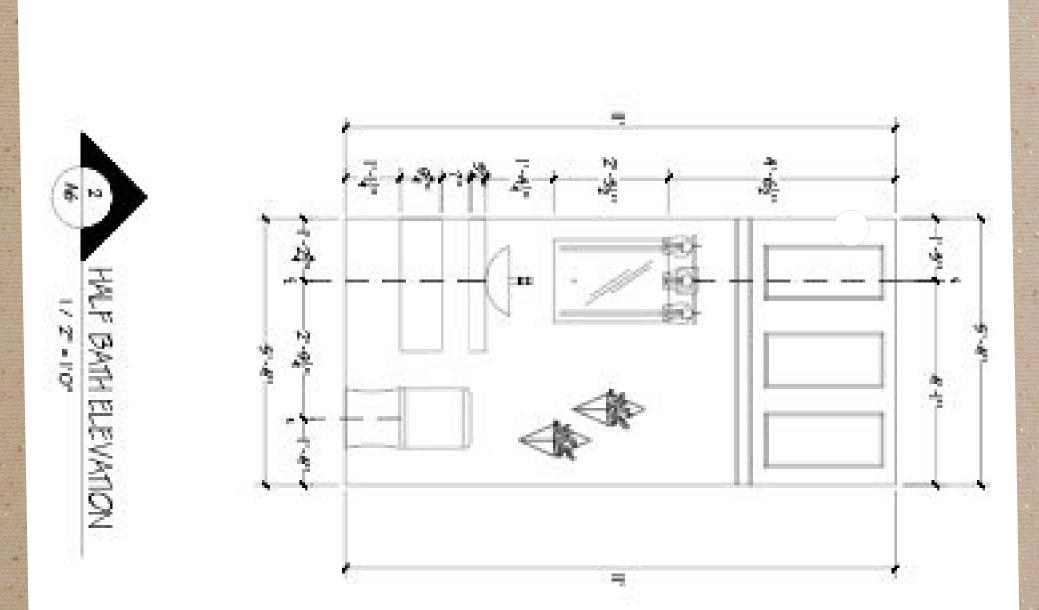
floaring influences the apparturity for minimal deaning and ooziness within the residency. Overall the with hallways for a sense of privacy tranquility, suitable for any coorpant. There are pattern and pastel colors to bring vibrancy to the This are-stary araftsman-style house is a functional, radial symmetrical design for family-criented hame's open carcept invites cocupa hame. The satin nickel fixtures help to modernize the cocupancy. A combination of carpet and hard tral tones to alleviate an atmosphere of relaxation and ints into are space ar the other to bring unity and openness along

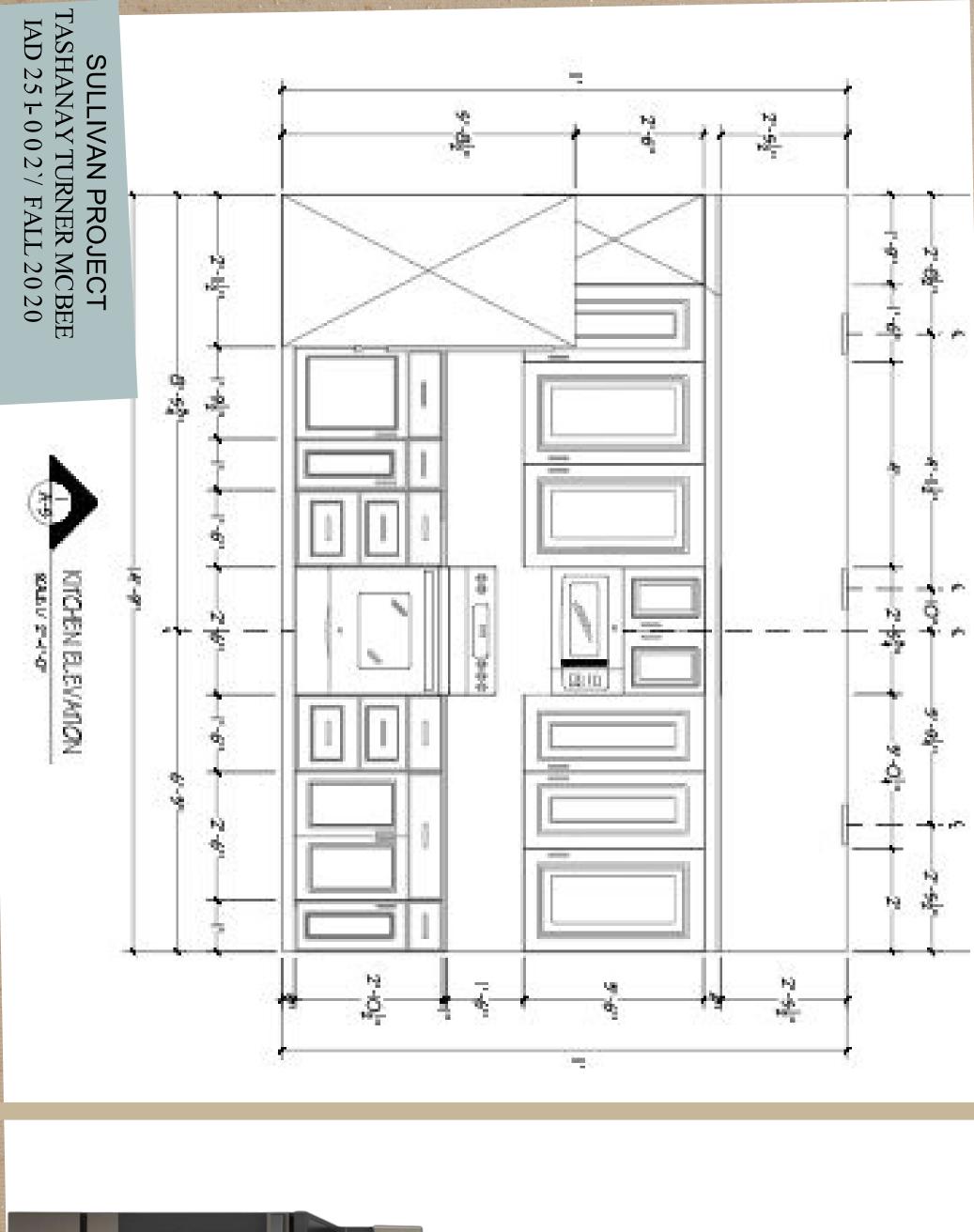
SULLIVAN PROJECT
TASHANAY TURNER MCBEE
IAD 251-002'/ FALL 2020



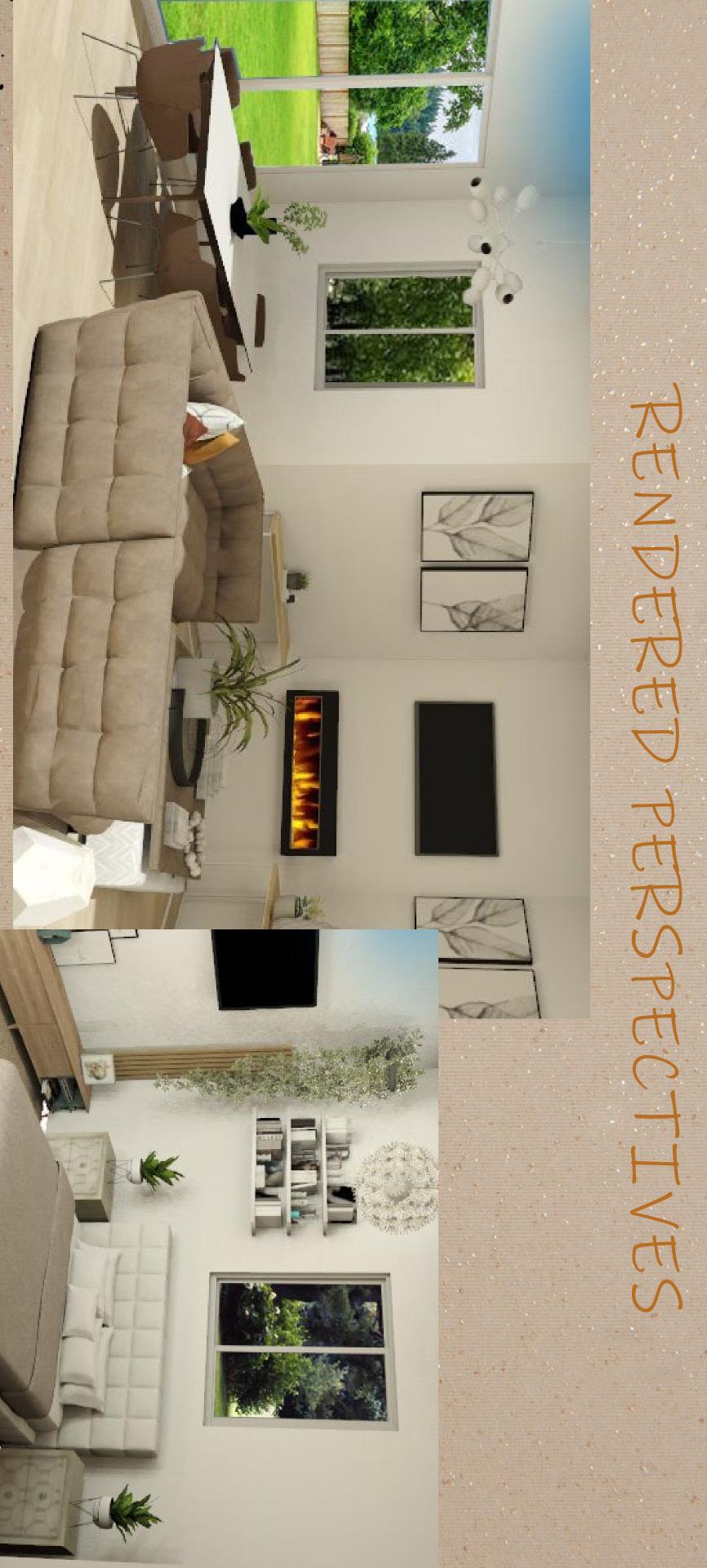
SULLIVAN PROJECT
TASHANAY TURNER MCBEE
IAD 251-002'/ FALL 2020

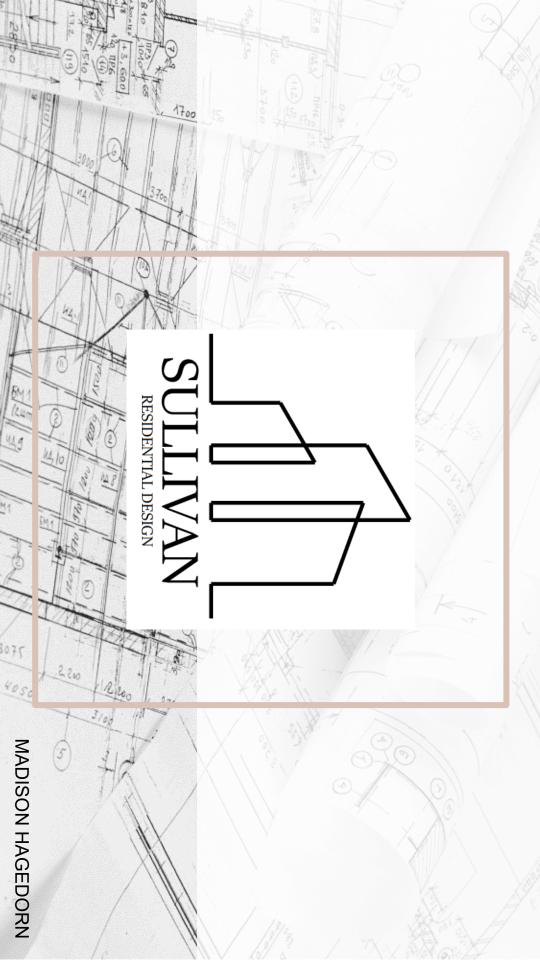












Sullivan is a town that has been in existence for over a century.

Positioning itself for growth in the near future, this home would help This cozy 1 1 % story house combines aspects of the bungalow and attract any family looking to live & thrive within the city.

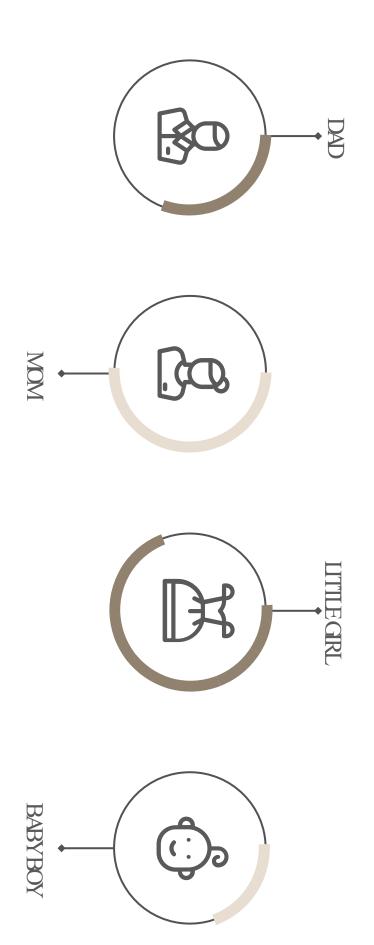
craftsman style to create a warm and inviting feeling as you enter

while also looking forward to the growth potential of Sullivan. The large serves as an inviting message to the community: inviting people inside open living and kitchen space serve as a place to gather together with comfortable furniture, and decorative moldings will appeal to any young family looking to move to Sullivan. The large front porch friends and family. This house will fit right into the Sullivan The use of natural elements — particularly wood and stone community, and for the right family, their forever





IDEAL HOMEOWNERS

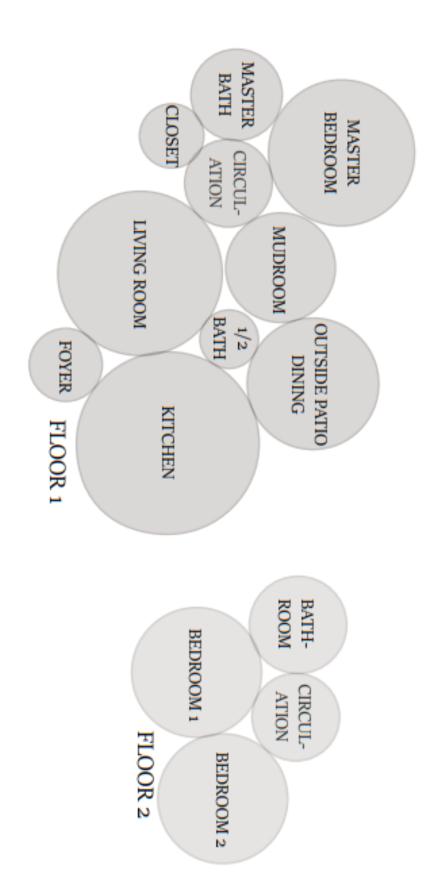


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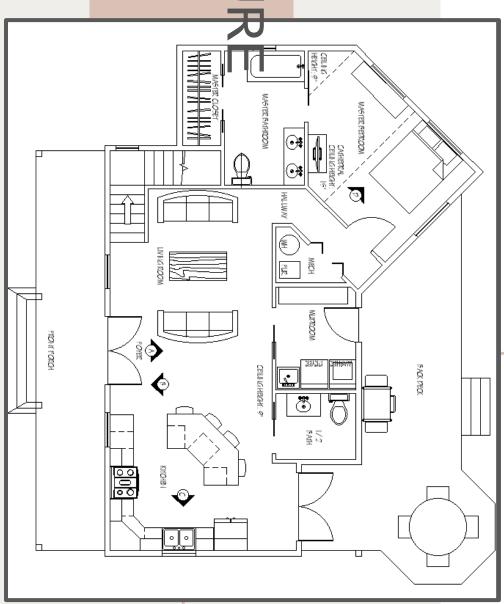
SITE PLAN

437 S Hinor Street

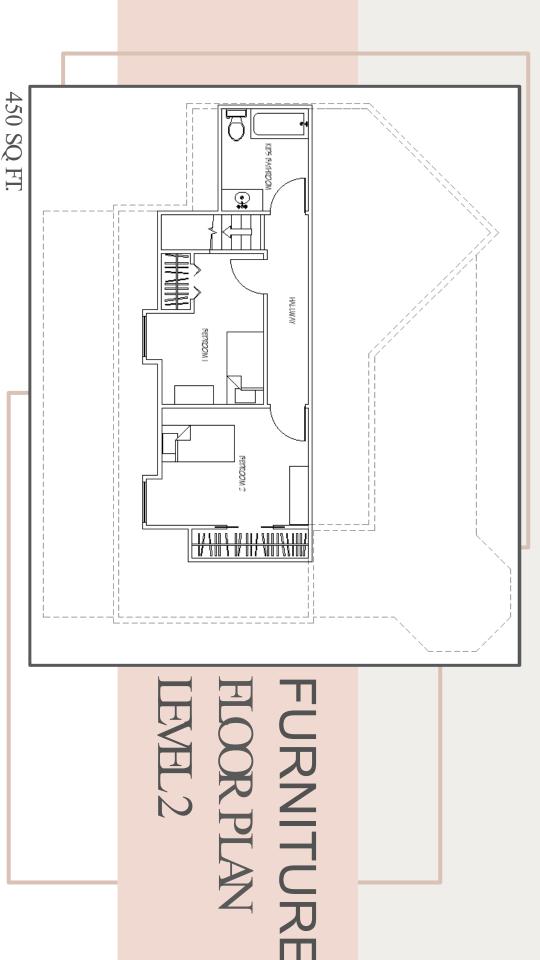
BUBBLEIAGRAN

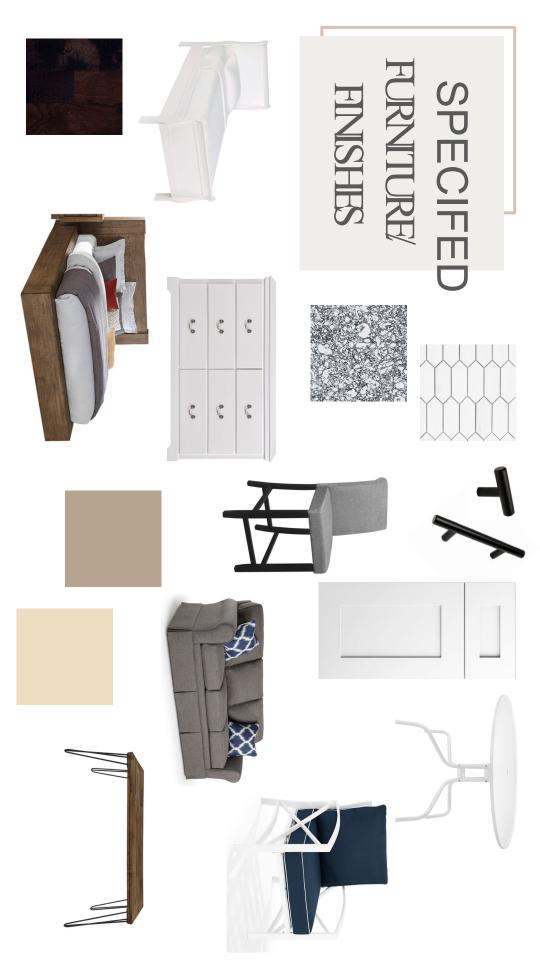


FURNITUR HOOR PLAN



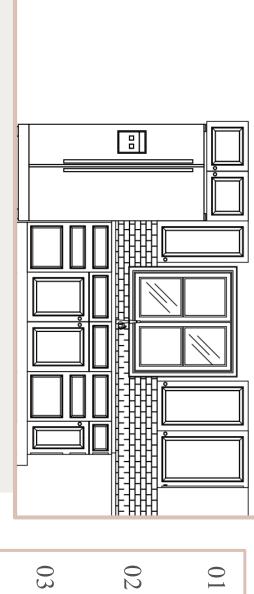
950 SQ FT





KITCHEN INTER

ELEVATIO



QUARTZ COUNTERTOF

BY CAMRBIA

RECESSED WHITE CAB

03 MARBLE MOSAIC TILE

BY ANATOLIA

STAINLESS STEEBSIDE SIDE REFRIGERATOR

BY FRIGIDAIRE

04

RECESSED WHITE CABINETS

BY MASTERBRAND CABINETS

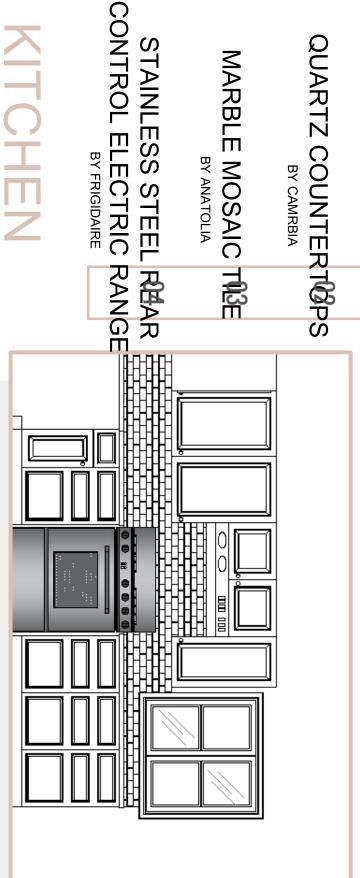
QUARTZ COUNTERTOPS BY CAMRBIA

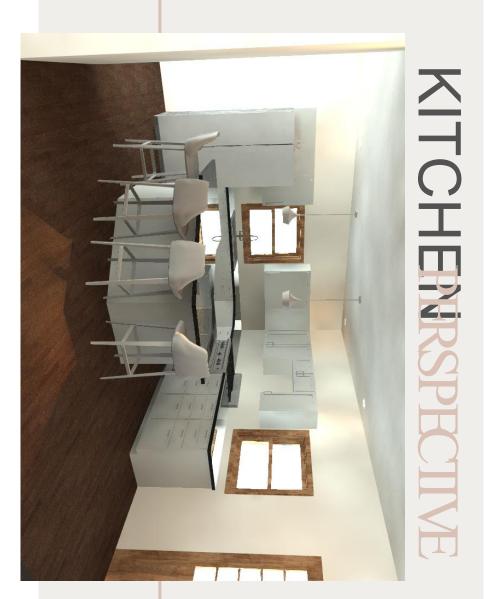
MARBLE MOSAIC TUSE

STAINLESS STEEL REAR BY ANATOLIA

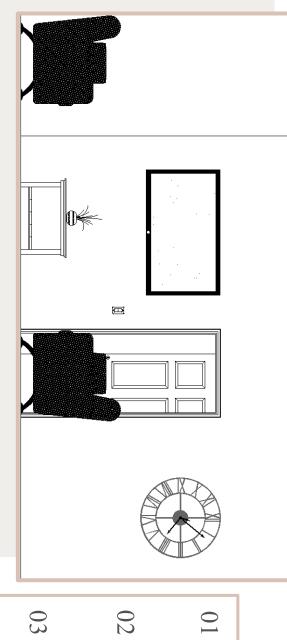
BY FRIGIDAIRE

INTERIOR ELEVATION





LIVING ROOM INTE



ANNABEL SOMA

BY BEST HOME FURNISHINGS

BY BEST HOME FURNISHINGS

BY HOMELEGANCE

COCKTAIL TABLOSO#n30

04 SOLID HARDWOOD FLC
BY VIRGINIA MILL WORKS CO.



QUEEN PLATFORM 01

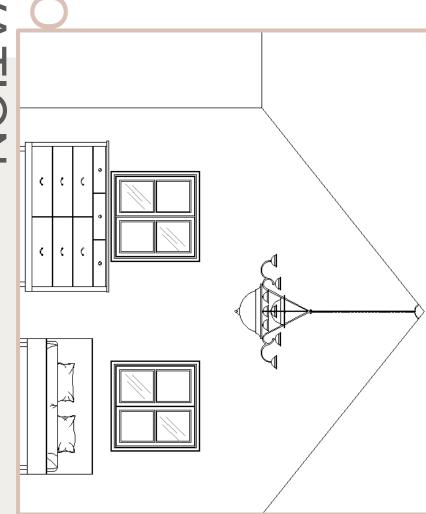
BY HOMELEGANCE

DRESSER5#9W45

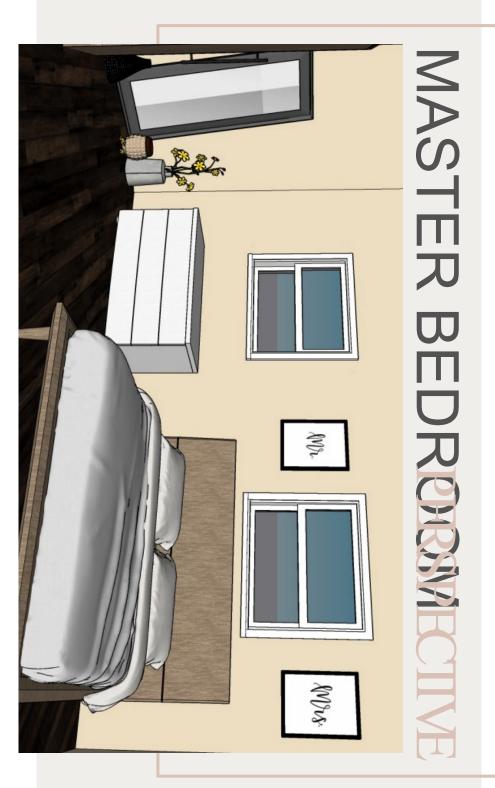
BY HOMELEGANCE

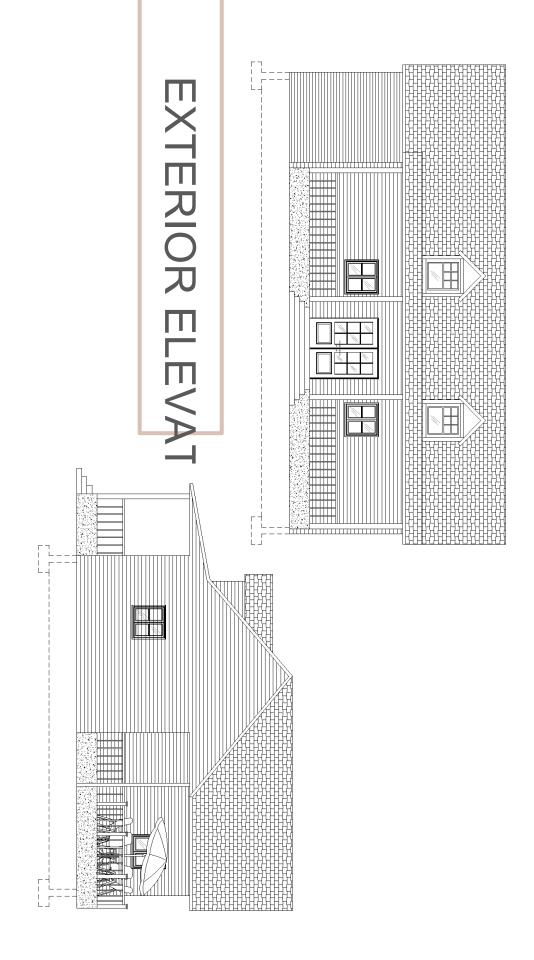
02

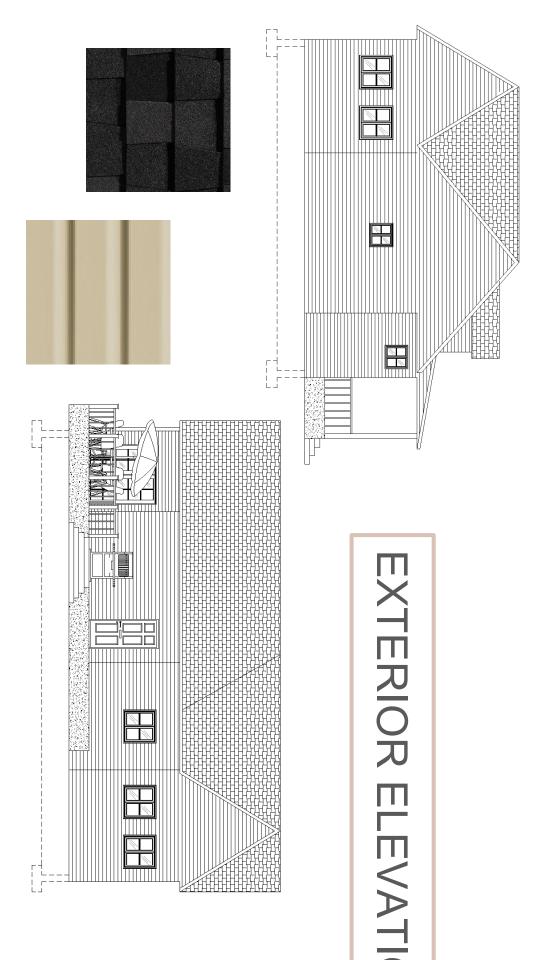
Geometric Chandelie 3



INTERIOR ELEVATION



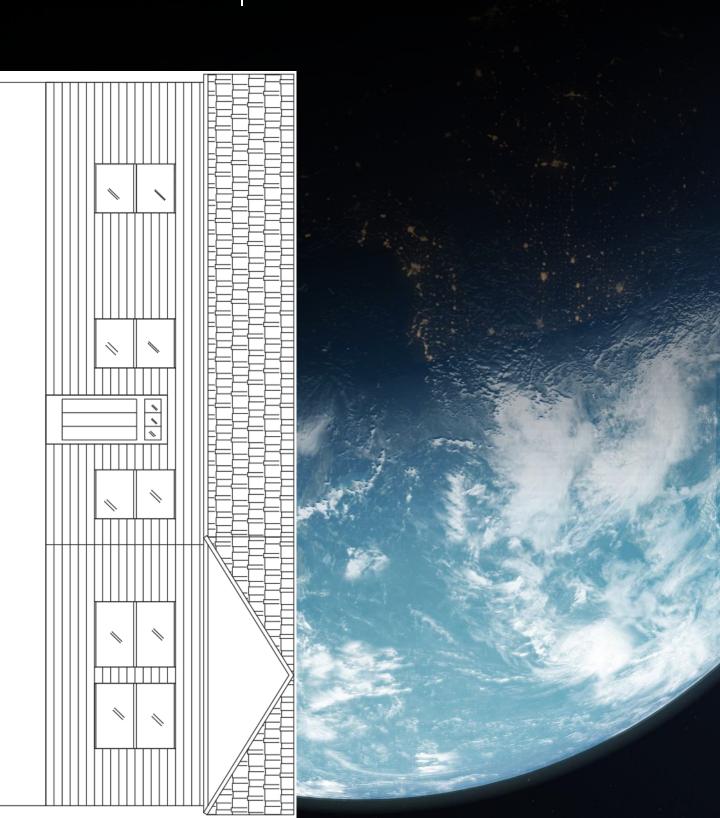


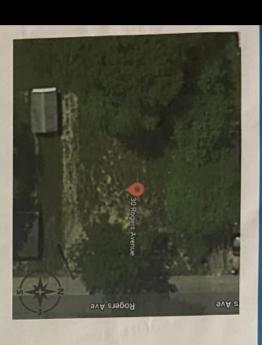


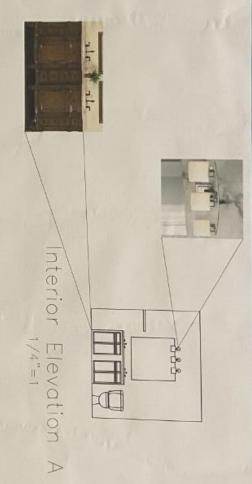


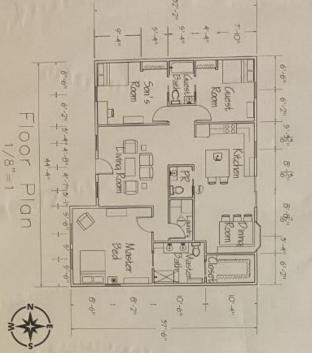
Sullivan House Project

Taylor Walker







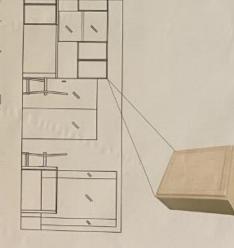


Key Notes

with Travertine Top Sink Bathroom Vanity 55-in Dark Walnut Double A1- Silkroad Exclusive

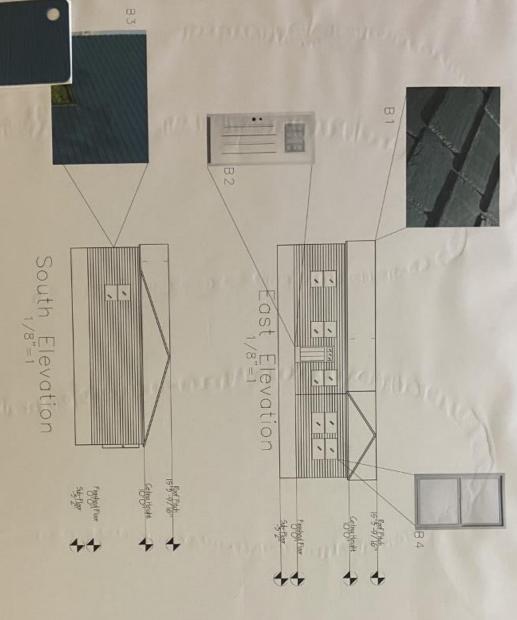
A2-Designs Classic Lighting: Lighting Aon Fuse Satin Nickel Bath-room Light

A3- Quality One: Kitchen Wall Cabinet



Interior Elevation

30 Rogers Avenue, Sullivan, In



Key Notes

B1- American Slate: Mckinley Heights Slates Roofing

B2- Emerson: Fiberglass Craftsman Right-Hand Inswing Ready To Paint Unfinished Prehung Single Front Door

B3— ABTCO Vinyl Siding: Cabot Blue

84- Milgard Windows & Doors: 36 in. x 60 in. Tuscany Single Hung Vinyl Window - White

Key Notes

C1— Looptex Mills Inc: rreplacable "Smokey Brown"

C2- Nautica: Silver Birch NT634

C3— SuperFast Click Flooring: Hurricane Water—Resistant Laminate Flooring, Winchester

C4- Futon World: Ashley Full Futon Sofa Bed & Loveseat Chair Set Gray

C5- Darla 19" Wide Silver and Acrylic Modern Round Accent Table

C6-Stefania 36" Wide Silver and Acrylic Modern Coffee Table



THE SULLIVAN PROJECT

Caitlin Lenczewski

Sullivan Project



Design Concept Statement:

Organizational: The exterior of the house will be folk style home that will have farmhouse look but with Victorian elements from other styles. This one-story home is linerally organized along the perimeter with a centralized hallway and public area. It will give the Sullivan lot more modern and not so run down like other houses.

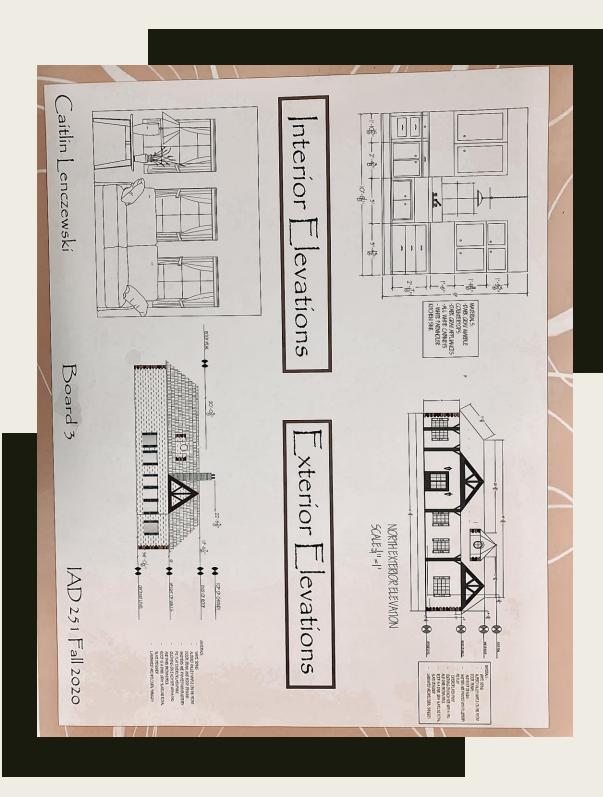
Character: This farmhouse style home blends with colonial elements as a throwback to the historicity of Sullivan. The colonial will make the inside traditional, relaxed, and the dark tones create a quite atmosphere, which ties in the country feel. Dark wood ceiling beams and dark wood flooring gives the house a rrich, yet calm feel. A neutral monochromatic color scheme keeps the space relax for the elderly couple.

Caitlin Lenczewski

Board 1

IAD 251 Fall 2020

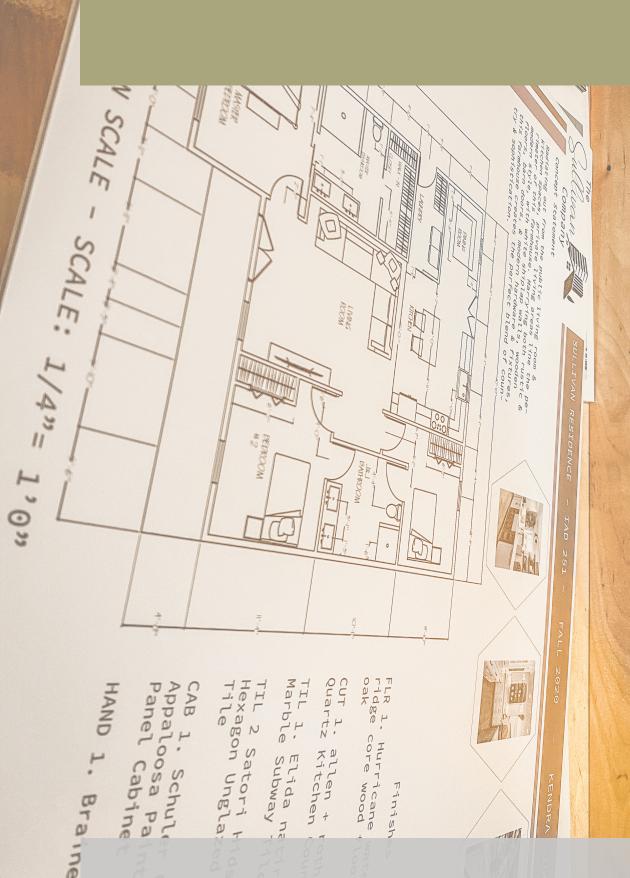






Sullivan, Residentia Indiana

Project Kendra Siddens



Family Inspiration



Radiating out from the public living room
Kitchen spaces, private living room
'imeter of this to white living to be the
'w' white living the perfect blend of

SULLIVAN RESIDENCE

KENDRA STO

FARMER

SELF EMPLOYED MOM



LITTLE GIRL OWN

Cour

hes floo!

Tile

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T DINAFF

SCALE:



Compan

SULLIVAN RESIDENCE - IAD 251 -

FALL 2020

KENDRA SIDDENS

Concept Statement

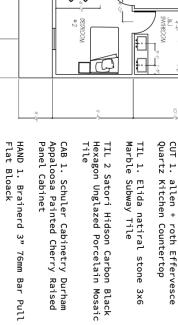
Radiating out from the public living room & kitchen spaces, private living areas line the perimeter of this farmhouse. Marrying both rustic & try & sophistication. modern style, with white shiplap walls, wooden floors, barn doors, & modern hardware & fixtures, this farmhouse creates the perfect blend of coun-











WAK - N S - 50

LAUNDRY

NFCHEN TO

<u>a</u>

Finishes

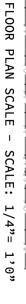
ROOM ROOM

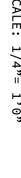
Q

ROOM FIVING

Board 1

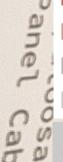
HAND 1. Brainerd 3" 76mm Bar Pull







FLR 1. Hurricane water resistant ridge core wood flooring - amber





Concept Statement Company

SULLIVAN RESIDENCE

Board 2

FLOOR PLAN SCAL

BRK1

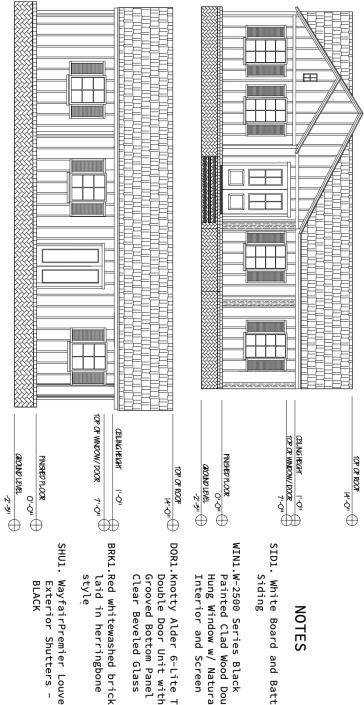
SID1

DOR1

SHU1

Cal

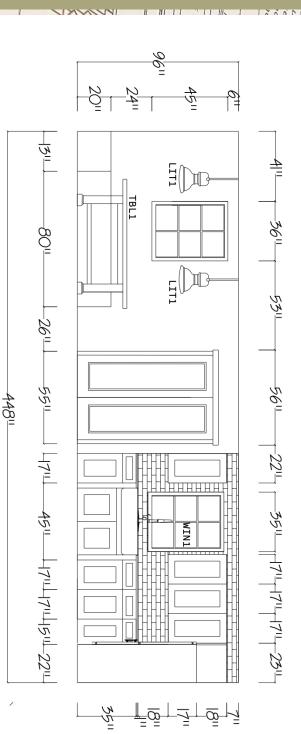
EXTERIOR ELEVATIONS SCALE - SCALE: 1/4" = 1'0"



NOTES

- SID1. White Board and Batten Siding
- DOR1.Knotty Alder 6-Lite TDL Double Door Unit with Grooved Bottom Panel and WIN1.W-2500 Series Black Painted Clad Wood Double Hung Window w/ Natural Interior and Screen
- SHU1. WayfairPremier Louver style laid in herringbone Exterior Shutters -

FLOOR PLAN SCAL



Radiating out from

Company Concept Statement

SULLIVAN RESIDENCE

KITCHEN ELEVATION SCALE - SCALE: 1/2" = 1'0"

TBL2

NOTES

CUT 1







LIT1. Westinghouse Boswell 9" Wide Single Light LED Mini Pendant with Metal Shade - Oil Rubbed Bronze

TBL1. Pottery Barn - Banks Extending Dining Table, Gray Wash, 76" - 112" L

SINK 1. Kohler Dickinson 33" Single Basin Tile-In Enameled Cast-Iron Kitchen Sink with Apron-Front

Panel Cal







TIL 2

HAND 1.

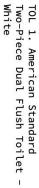


FLR 1.



NOTES







Board 4

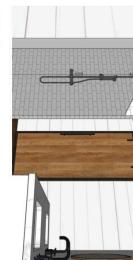


CHR 1

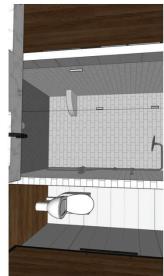
VAN 1

TOL 1

COU 1









FLOOR PLAN STAL

FLOOR PLAN STA Thank you Radiating out Concept Statement ucun Company he public living room & te living areas line the peres ship both rustic & wooden hardware & fixtures, reperfect blend of county. ROOM SULLIVAN RESIDENCE BATHROOM Marble E CuT 1. a FLR 1. Hun Appaloosa Panel Cal TIL 2 Sa Hexagon Tile COr SI

Sullivan Residential

Alyssa Robben

Project

IAD 251/220/230 Fall 2020

Mayor's Request/Notes

- Wants home to blend with the character of the town
- Wants people to engage with each other: Very Neighborly
- Wants an Industrial Revolution look
- Innovative, Creative, Open Concepts
- No big garages, home should be seen first Preference is a homeowner not a rental
- Should fit with the feel of the town

Modern Industrial Design Research



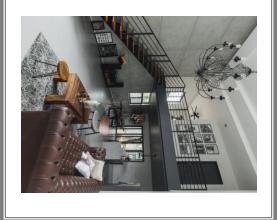






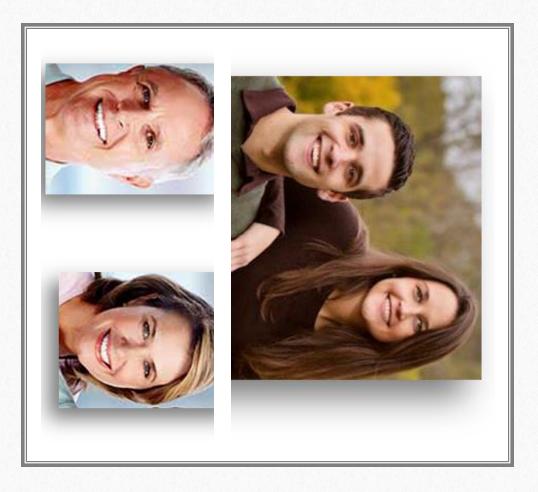




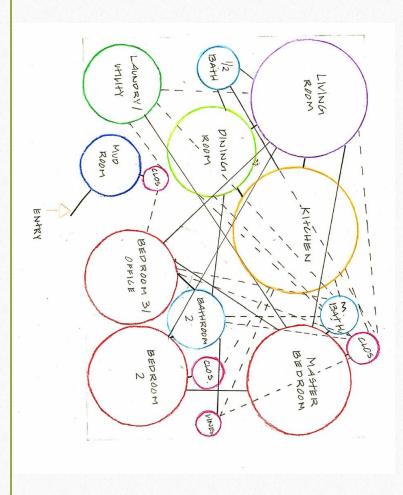


User Personas

I chose to create the Jones Family. An older couple with their grown kids who are looking to move back to Sullivan for their retirement but still have the space to host their children upon their return home.



Bubble Diagram



Site Plan Selection



112 W Washington Street

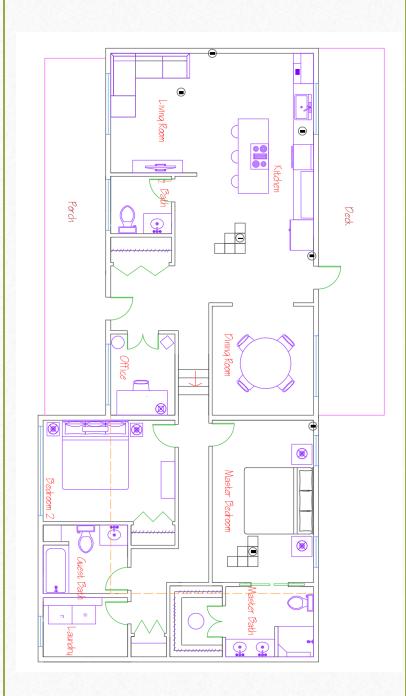


435 S Star Avenue



445 South Court Street

Floor Plan



Alyssa Robben IAD 251 Residential+ Bath Professor Wojak Fall 2020 Sullivan Residentail Project

Concept Statement

Finishes, And Neutral Colors Create A Calm Yet Lively Fell Comfortable For Any Tenant To Stay The Night In. The Wood Functial For Entertaining, Family Gatherings, As Well As High-end Feel To The Home. I Designed This Space To Be Neutral Colors Emphasize The Modern Feel But Promote A Demographic For The C Ity Of Sullivan. The Sleek Lines And To Develop A Functional And Modern Home Ideal For Any

Perfect For Any Homeowner To Enjoy For Many Years.



Site Plan: With Pre-existing Structure

Notes

Excavation will be required for basement entry Home is split level with unfinished basement with access Jtilities located in basement



First Floor: Not To Scale

1/4

Second Floor: Not to Scale











