

TXMI 3390

LOUISE HILL RESIDENCE

— universal design —

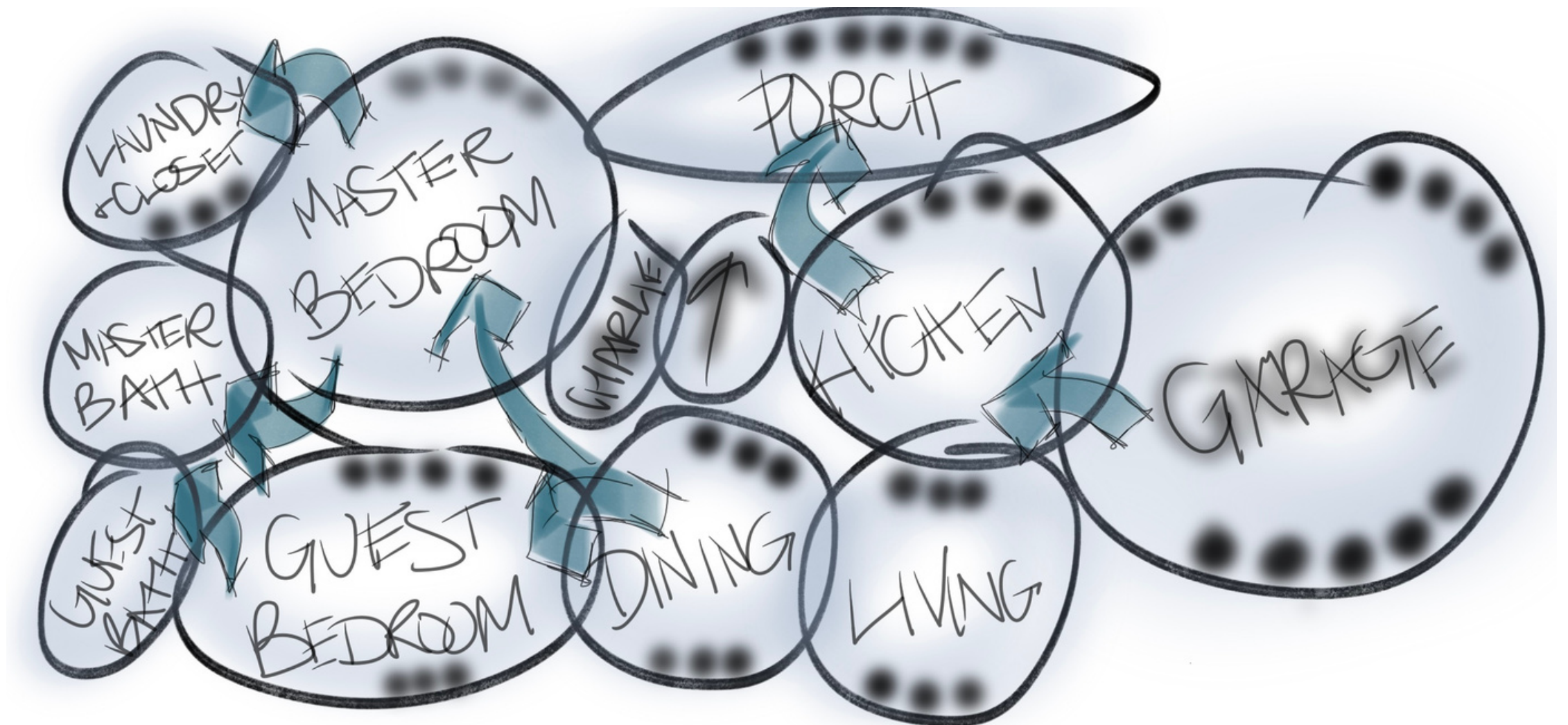
MADDIE CHOSEWOOD

CONCEPT STATEMENT

When designing this single-story home for Louise Hill, the main goal of this space was to make it accessible for her and to become a welcoming environment. Making this home accessible to all (universal design) and not just Louise's wheelchair was also considered. Making countertops at 32" and adding grab bars shows this because anyone can access these features. The outdoor space also represents this as anyone can access the ramp to enjoy the ground-floor patio. Design features like these create a more inclusive environment for all and this was achieved by incorporating the 7 Principles of Design. Ensuring switches and outlets are at an accessible height represents equitable use and the use of pocket doors can represent flexibility in use. The 3rd principle: simple and intuitive can be shown in a well thought-out home with modern elements and easily gripped hardware and grab bars is considered perceptible information. This home also provides flush flooring and thin rugs to represent the tolerance for error principle and easily-used fixtures in the kitchen and bathroom requires low physical effort. An open concept plan and a 5' width from countertop to countertop in the kitchen achieves the 7th principle of space for approach and use.

7 PRINCIPLES OF DESIGN

1. EQUITABLE USE
2. FLEXIBLE IN USE
3. SIMPLE & INTUITIVE
4. PERCEPTIBLE INFORMATION
5. TOLERANCE FOR ERROR
6. LOW PHYSICAL EFFORT
7. SIZE & SPACE FOR APPROACH



Floorplan

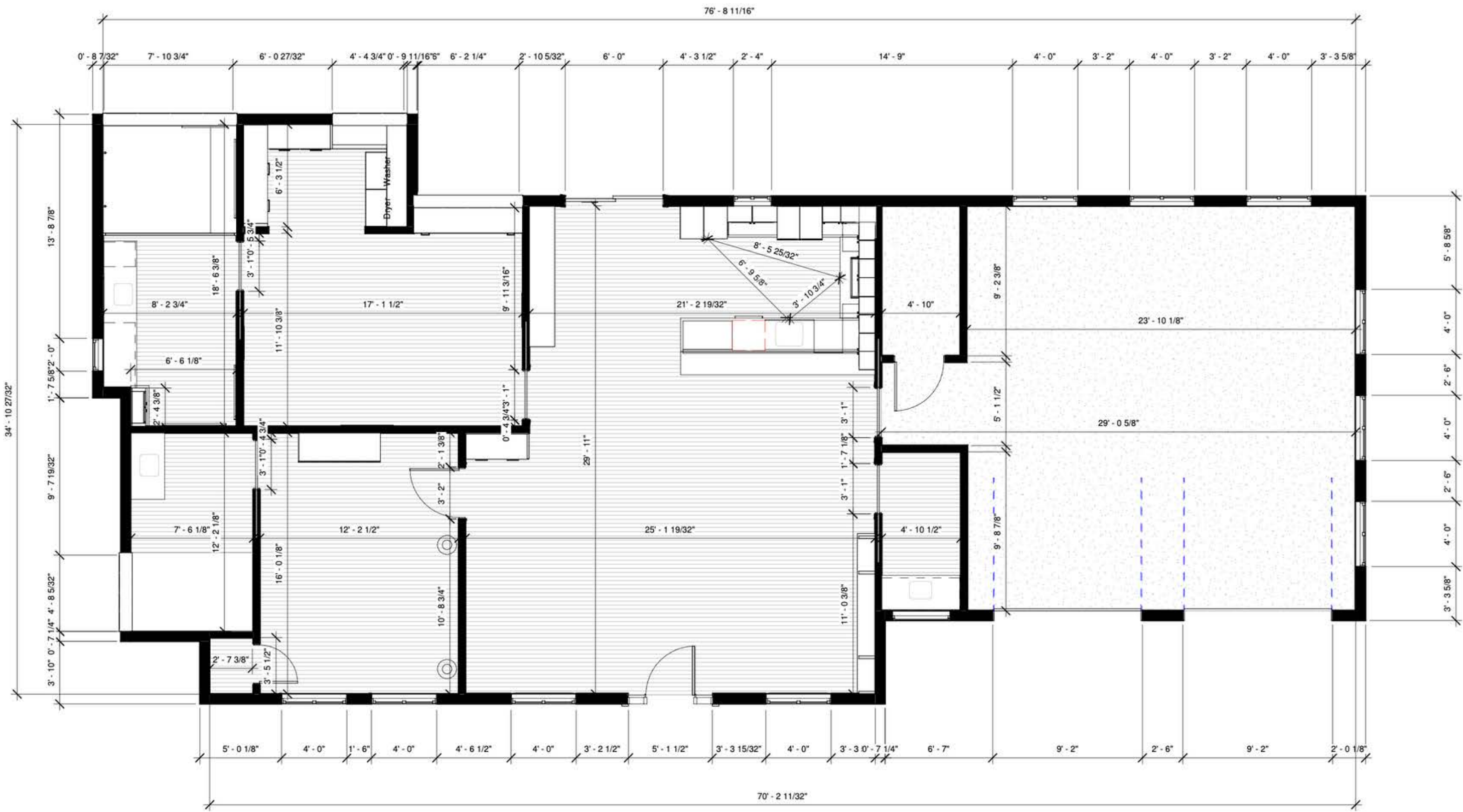
FURN. & UNIV. DESIGN

- All doorways are a 3' wide minimum for wheelchair clearance
- 2.5' radius turn-around areas in every room for easy wheelchair turn-around
- 21' ramp added for outside access
- Sliding pocket doors where necessary
- Minimum 30" x 48" clear floor space next to toilet area
- Minimum 30" x 60" clear for space next to roll-in shower
- Toilet grab bars placed behind and beside the wall
- Shower grab bars installed between 33-36" AFF
- Shower bench to be placed against the wall 19" high and 15" deep
- All countertops and vanity countertops to be 32" high (including countertop thickness)
- Roll-under sinks in bathroom and kitchen
- All kitchen appliances easy accessible in kitchen area
- Roll-under electric cooktop



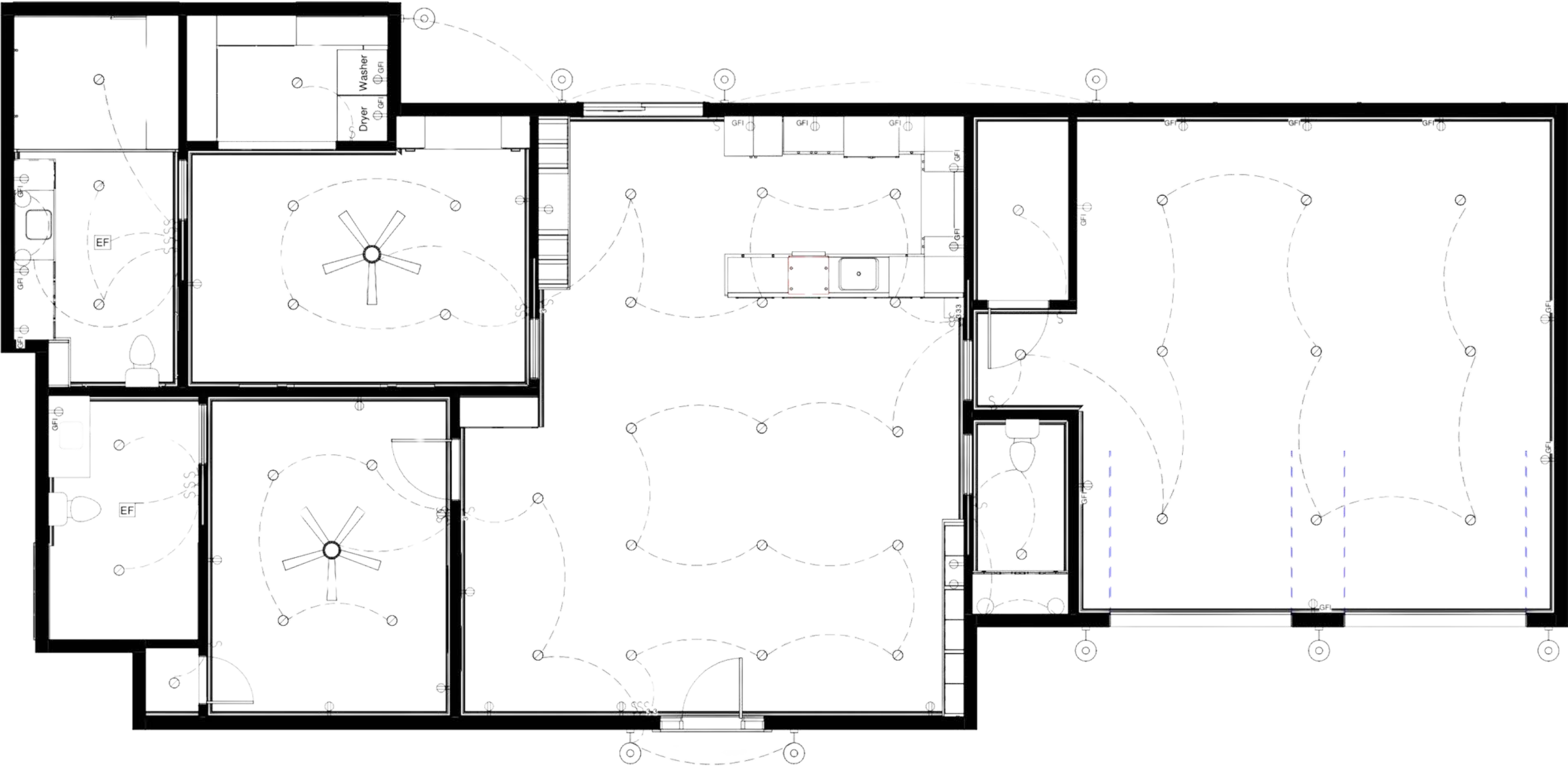
DIMENSIONED

floorplan

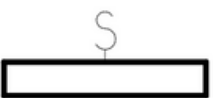
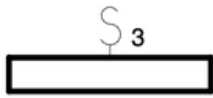
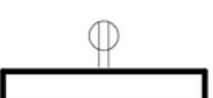
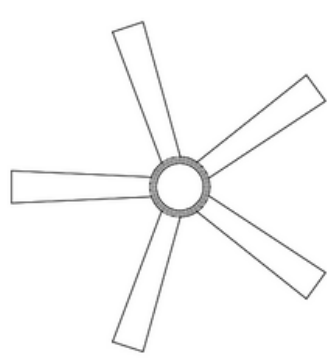
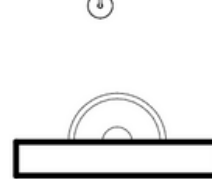


LIGHTING & ELECTRICAL

FLOORPLAN



ELECTRICAL AND LIGHTING LEGEND

	SINGLE SWITCH
	3-WAY SWITCH
	DUPLEX OUTLET
	GFI OUTLET
	EXHAUST FAN
	CEILING FAN
	RECESSED CAN
	OUTDOOR LIGHT
	SCONCE LIGHT



COLORED

floorplan





EXTERIOR RENDERINGS



EXTERIOR MATERIALS



SEATING AREA



DECK FLOORING



GROUND-LEVEL FLOORING

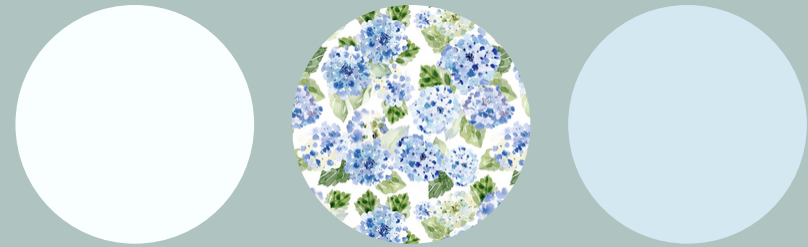


EXTERIOR SIDING



DINING





PILLOW FINISHES



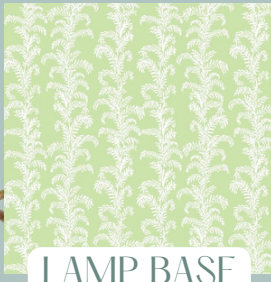
DRAPERIES



WOOD FLOORING



CHAIR UPHOLSTERY



LAMP BASE



ARMLESS-CHAIR



LIVING & DINING

BUILT-IN PAINT

SOLID SURFACE

WALLPAPER

KITCHEN AREA



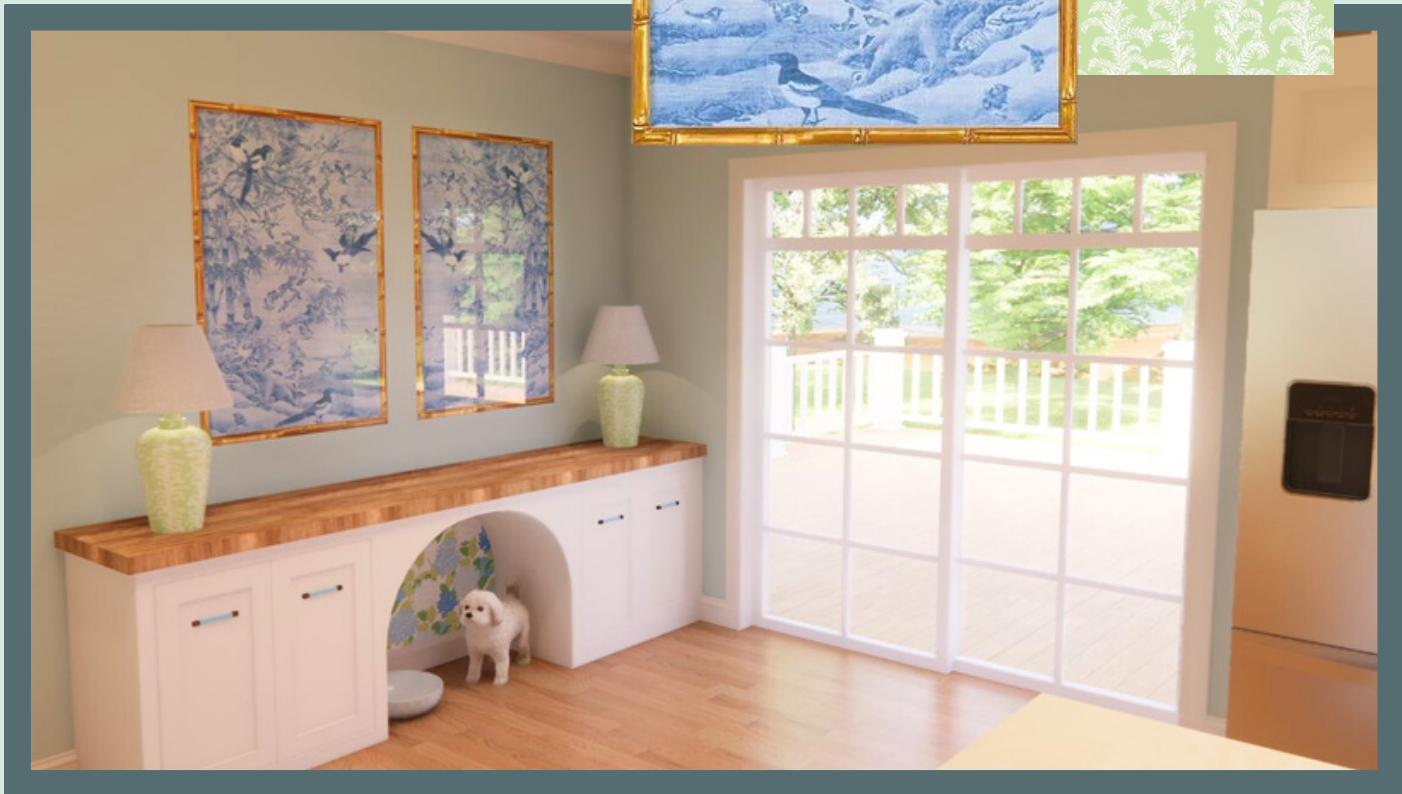
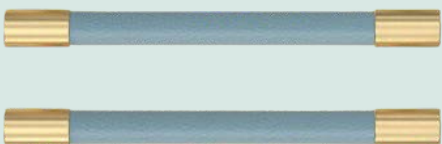
COUNTERTOPS



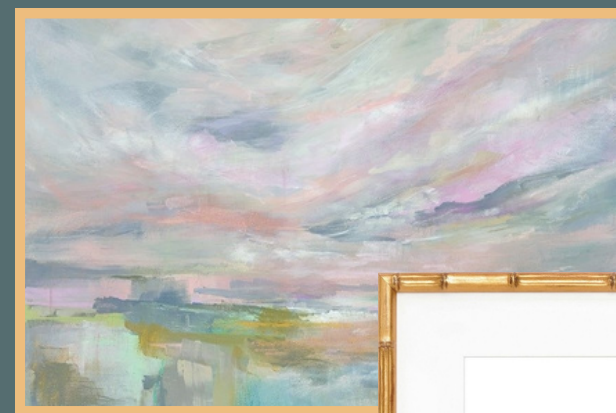
WALL COVERING



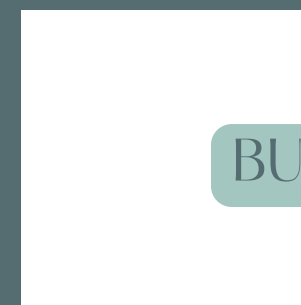
CABINETRY PAINT



MASTER BEDROOM



WALLPAPER



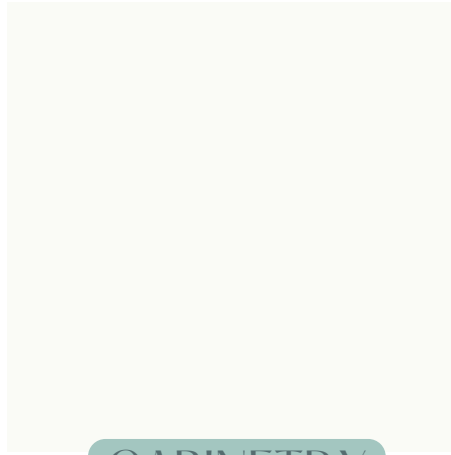
BUILT-IN PAINT

FRONT-LOAD
WASHER & DRYER

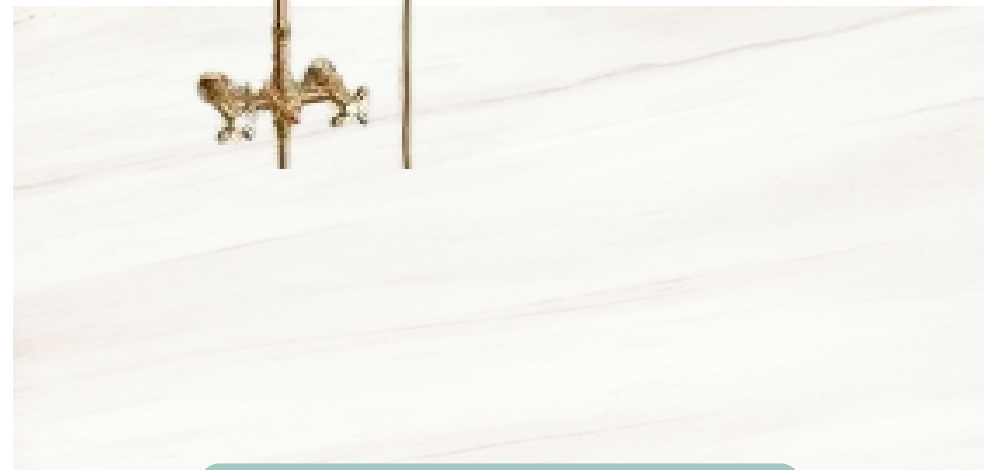




COUNTERTOPS



CABINETRY



SHOWER WALL SLAB



FLOOR AND SEAT TILE



MASTER BATHROOM





THANK
YOU!