

Louise Hill RESIDENCE

TXMI 3390 STUDIO IV
UNIVERSAL DESIGN
SPRING 2026

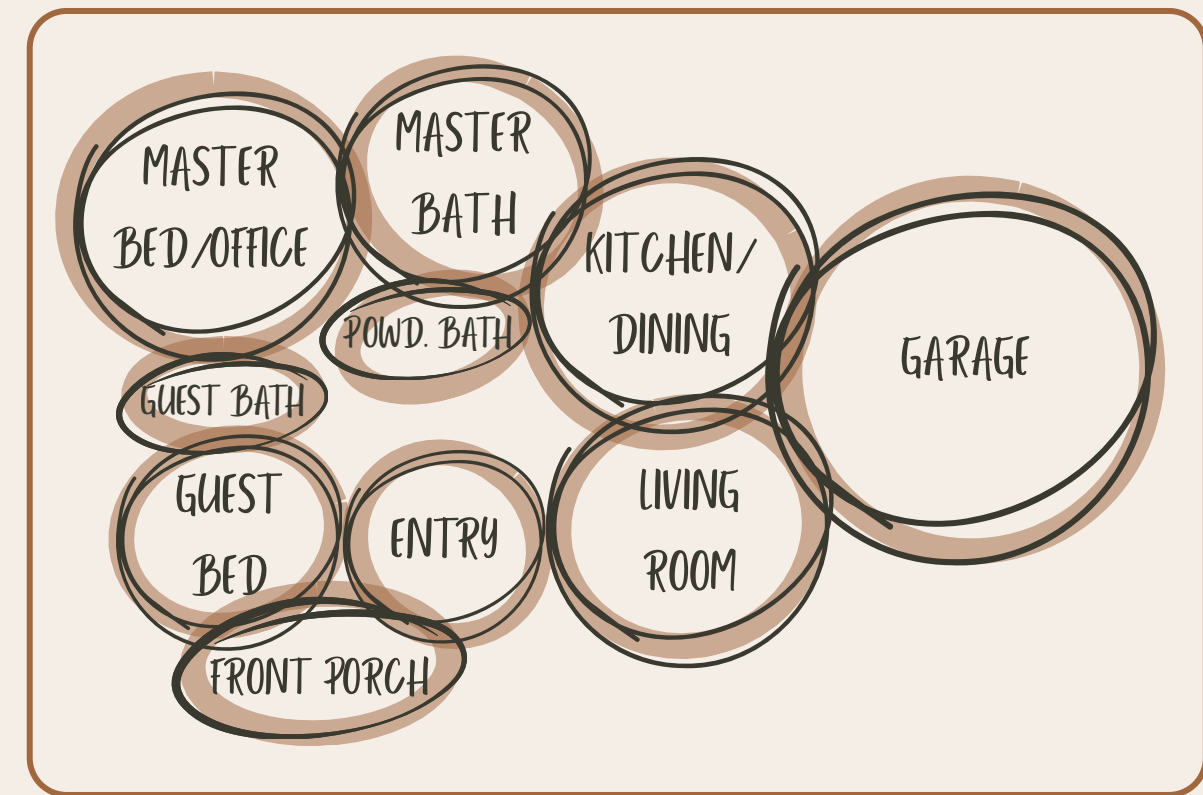
LINDSEY LAM-TRAN



Design Concept STATEMENT

This one-story residence in Athens, GA is carefully designed for a woman living with Idiopathic Transverse Myelitis, Louise Hill. The residence is designed to incorporate ADA standards, while also integrating different universal principles to make the home accessible not only for Ms. Hill, but others as well. The design combines accessibility standards and a traditional theme with warm colors to make the home feel inviting and comfortable. Using the open concept, Louise is able to easily move between the main areas with generous space around her with a low tolerance for error due to its simple use. From lowered countertops and open knee space to pocket doors and wide doorways, the house is accessible for Louise to do her daily activities as it requires low physical effort. The residence is flexible in use due to there also being standard height countertops to allow Louise to host gatherings with others. Ultimately, this residence in Athens demonstrates how a thoughtful design can seamlessly merge accessibility, comfort, and beauty. The home not only supports Louise Hill's daily needs, but also creates an inclusive environment that welcomes family and guests.

Bubble DIAGRAM



7 Principles OF UNIVERSAL DESIGN

Equitable Use

- 21' Ramps in the front
- Pocket Doors

Perceptible Info

- Lowered shower controls

Tolerance for Error

- Low Pile Rugs
- Zero Entry Thresholds
- Grab Bars
- Shower Seat
- Pull-Out Shelving

Flexibility in Use

- Countertops at 32" and 36"
- Side Swing Oven
- 9" and 6" Toe Kicks
- Handheld Showerhead

Low Physical Effort

- Cabinet Knobs
- Remote Control Blinds
- Lever Faucets
- Roll-In Shower

Simple & Intuitive Use

- Easy circulation around spaces and to bedrooms

Size & Space

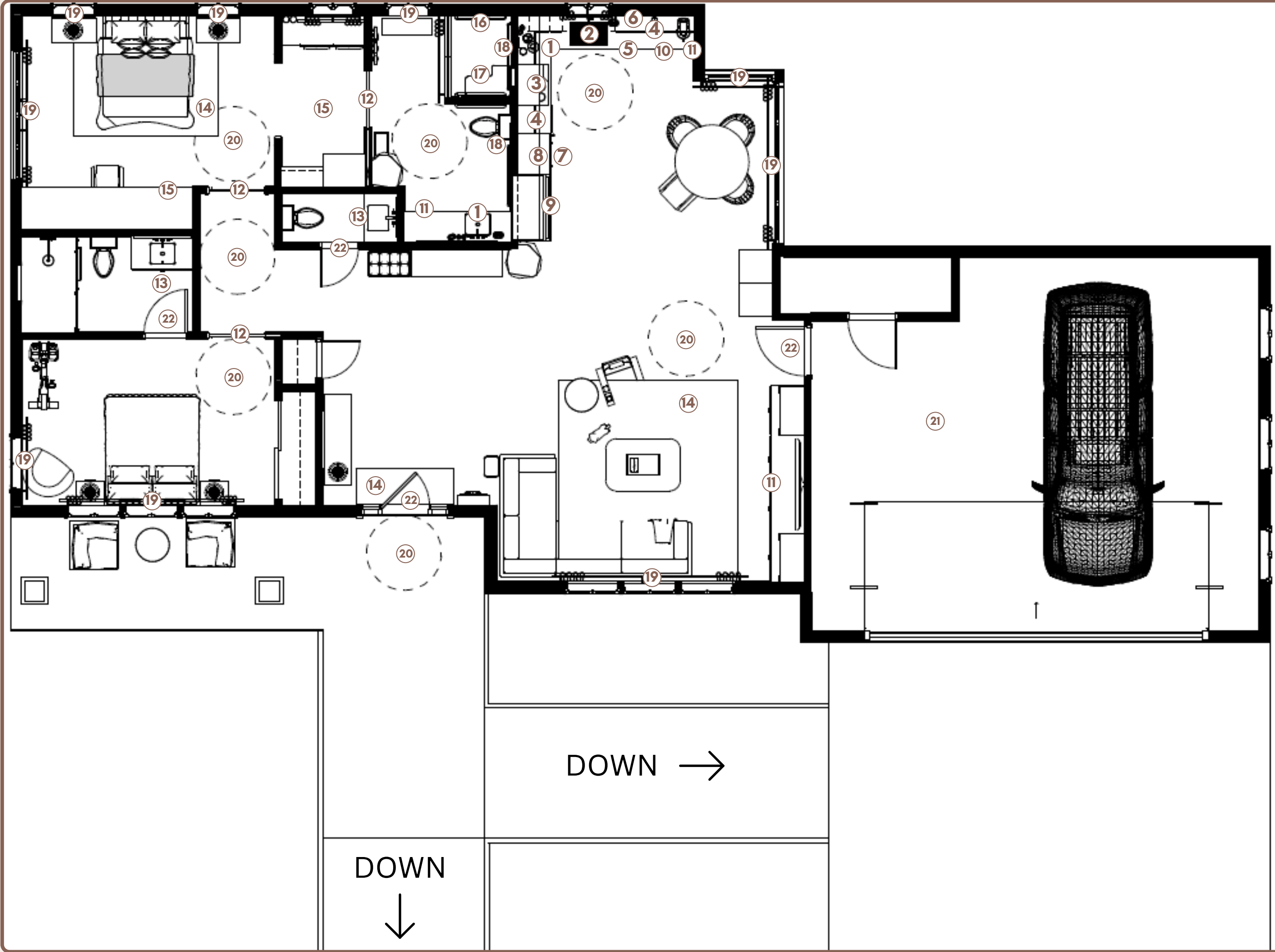
- 3' doorways
- Turning radius for wheelchairs
- Knee clearance under sink & cooktop

Rendered
FLOORPLAN



Universal Design FLOORPLAN

- ① Lowered countertops to 32"
- ② Knee Space under Sink
- ③ Knee Space under Induction Cooktop
- ④ ADA Pull-Down Shelving
- ⑤ ADA Dishwasher
- ⑥ Lowered upper cabinets to 16" for appliances like KitchenAid/Coffee Machine
- ⑦ Oven with Side Swing Door
- ⑧ Lowered Microwave above Oven
- ⑨ Refridgerator with Combo Drawers
- ⑩ All cabinets with knobs as handles
- ⑪ 9" High and 6" Deep Toe Kicks
- ⑫ Pocket Doors with 4' doorways & Zero Threshold
- ⑬ Standard Height Countertops at 36"
- ⑭ Low Pile Rug
- ⑮ Laundry & Closet Area
- ⑯ Handheld Showerhead
- ⑰ Shower Seat for easy transfer
- ⑱ Grab Bars in shower and near toilet for easy transfer
- ⑲ Remote Control Blinds
- ⑳ Wheelchair Turning Circle
- ㉑ 8' Clearance from Passenger side of car
- ㉒ Minimum 3' Doorway



Living ROOM



Cabinet Wood
(Walnut)



Flooring
(White Oak)



Wall Paint



Wallpaper

Cabinet



Blinds



Drapery

Side Table



KOHLER Crue LED



KOHLER
Artifacts
Knob



Kitchen & DINING

SubZero 48" Smart Refrigerator (Combo Drawers)



KOHLER 33" Synthos Sink

KOHLER Components Pull-Down Faucet



Cove 24" ADA Dishwasher (Panel Ready)



Thermador Masterpiece 30" Single Wall Oven (Left Side Swing Door)



WOLF Transitional 30" Induction Cooktop



Bosch Benchmark 30" Microwave



Flooring (White Oak)



Backsplash



Countertop

Cabinet



Cabinet Wood (Walnut)

KOHLER Artifacts Knob

Drapery



Blinds



Cabinet Paint



Master BED ROOM



KOHLER Crue LED



KOHLER
Artifacts
Knob



Blinds



Cabinet



Drapery



Cabinet Wood
(Walnut)



Flooring
(White Oak)



Ceramic
Table Lamp



Wall Paint



Wallpaper



Laundry & CLOSET AREA



Wood (Walnut)



Flooring
(White Oak)



Wall Paint



Wallpaper



Cabinet Paint



Drapery



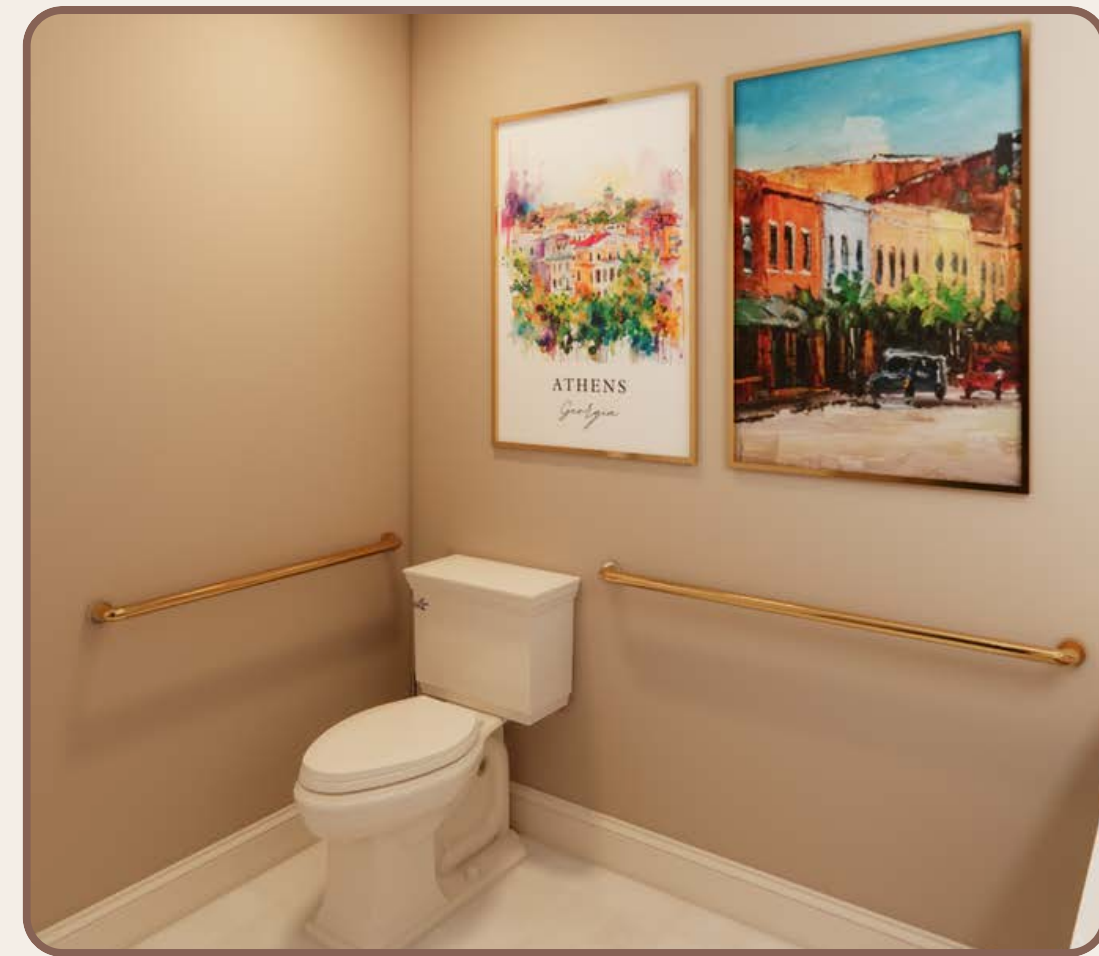
Blinds



KOHLER
Artifacts
Knob



Master BATH



KOHLER
Artifacts
Knob



KOHLER McGee
Embra Sconce



KOHLER
Components
Ribbon Faucet



KOHLER 19 3/4"
Verticyl Sink



KOHLER 42"
Awaken Handheld
Showerhead



KOHLER Anthem
Shower Control



KOHLER Castia
Shower Valve



Countertop



Cabinet Wood
(Walnut)



Tile Flooring



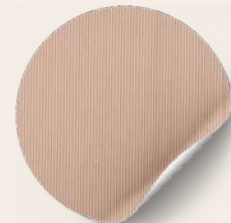
Wall Paint



Wall Tile



Shower Tile



Shower
Drapery

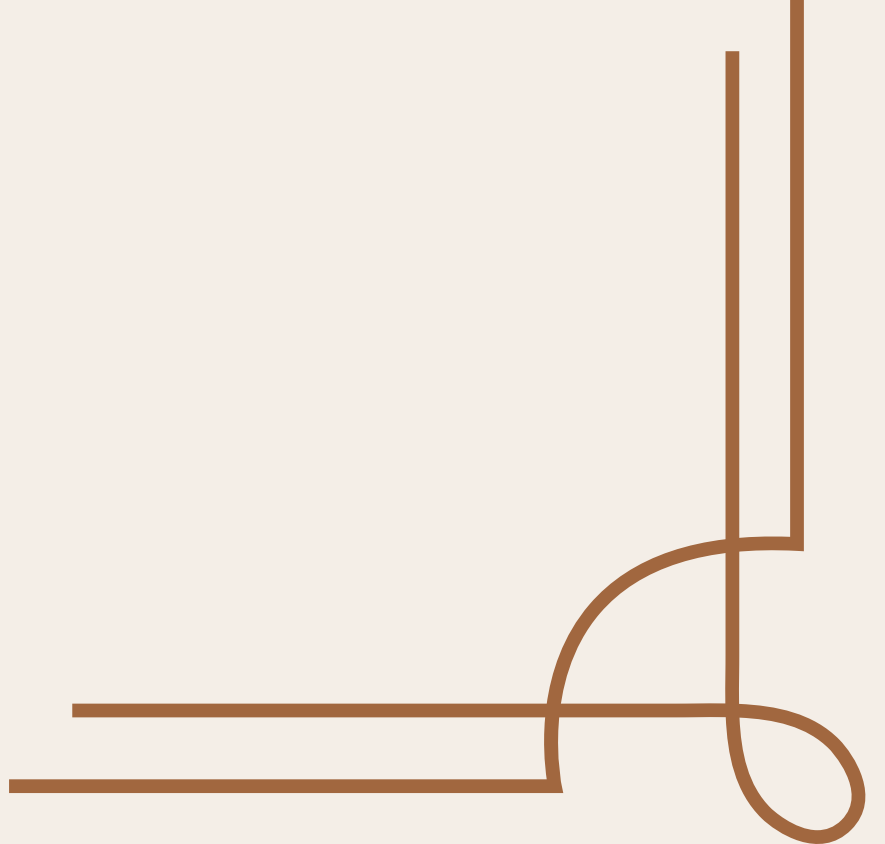
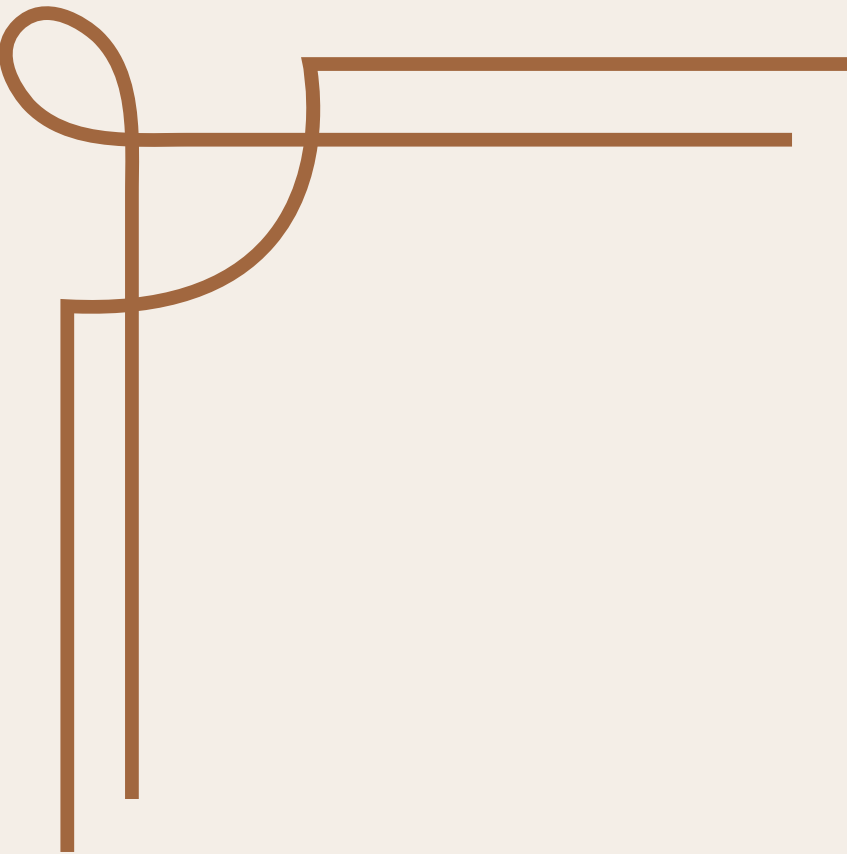
Cabinet



Seachrome
Shower Seat

Guest BED & BATH





Thank
YOU!

LOUISE HILL RESIDENCE