



Household Model of Long Term Care

Urban Farmhouse



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Research Summary

Small House Model for Long Term Care

The small house model, or Green House Project is a project that as of 2015 has 179 homes open to long term care for dementia patients (Evaluating the Green House Model, 2019). There are long term care homes for dementia patients currently in 33 states throughout the U.S., and in addition to the current homes there are over 150 other homes in development (Evaluating the Green House Model, 2019). These homes serve as a home for residents who are diagnosed with dementia, who cannot live by themselves in their own personal home. Throughout this paper the long term care home will be explained, user needs, the meaning of place, as well as some design goals will be discussed.

Small house models for long term care are unique from traditional nursing homes. Small house models typically have ten to twelve residents in each household compared to fifty or sixty residents that are just in one wing of a traditional nursing home. Since there are so few residents in each household, residents and their nursing staff are able to connect with each other on personal levels. Each resident of a small house gets their own private bedroom and bathroom. They have access to a residentially scaled kitchen, where meals are prepared right in front of them based on their personal preferences. They also have access to a laundry room, where they have the option to do their own laundry, if they chose to do so. Friends and family of the residents are able to visit during meal times and during other activities that happen throughout the day in the facility. The whole purpose of the small house model is to make the residents feel as if they have independence, and have a purpose, even when they are in such a fragile state in their lives. A lot of this independence comes from the fact that in the small house models there are no predetermined schedules (Evaluating the Green House Model, 2019). Residents are able to do what they please at any time throughout the day. All of this greatly enhances the quality of life for each resident.

Research Summary (continued)

Just like everyone else people who have been diagnosed with dementia have physiological, safety, social and personal needs, but a lot of these needs have to be met in different ways. Many times the needs of dementia patients are not met, because caretakers whether formal or informal do not know how to meet these needs, or do not take the time to meet these needs. A few needs that dementia patients have said are unmet are things like the unmet need for information, support in regard to their symptoms, social interaction, and the feeling of safety (Schölzel-Dorenbos et al, 2010). When needs are unmet residents are likely to act out behaviorally, due to anxiety and possibly depression (Schölzel-Dorenbos et al, 2010). The small house model for long term care are designed to meet the needs of all residents, through carefully trained staff.

For many people one's home is where they are most comfortable. This also reigns true for older adults and dementia patients. One's home and personal possessions can showcase one's accomplishments that they have made throughout their life (van Hoof et al, 2010). These things whether they are small or large provide a quality of life and a sense of normality. When older adults are moved into large nursing facilities, many times they are not able to bring their personal belongings, therefore they lose the sense normality that they had in their personal homes, which in turn decreases their quality of life. With the small house model, residents are able to bring furniture pieces and other personal belongings to decorate their personal rooms. This helps with the transition from living independently to moving into a care facility. The small house models are also set up with lifestyle choices, so residents are able to move into a house that most feels like their previous home, which also helps keep that normality and quality of life, while also making the transition a little bit easier. Another element that brings normality into the residents lives is the fact that residents family and friends are able to visit them throughout the day.

Research Summary (continued)

The built environment of long term households are extremely important to make sure the well being of each resident is being withheld at the highest standard. According to the American Journal of Alzheimer's Disease & Other Dementias there are many design goals or principles that should be accomplished or considered while designing the built environment for dementia care households. These goals and principles are shown in Table 1 which is on page XX of the appendix. Each of these goals can be achieved to make the living environment safe, stable and comfortable for each of the residents, as well as the nursing staff. These principles can be implemented by thinking about the residents and staff members while designing the interior space (van Hoof et al, 2010). A home-like environment can be accomplished by incorporating furniture, fixtures and materials that are familiar to residents. In our small house project we are accomplishing that goal, by adding in FF&E that have a urban farmhouse feel for residents who grew up in a farmhouse, or for those who worked on a farm or ranch in their adult life. Security for the residents can be accomplished by making sure there are locks on all windows and doors that lead outside, so the residents know that the facility is secure. This will also keep the residents safe from anyone trying to intrude. Safety and stability can be accomplished by making sure there are grab bars in the resident's restroom near the toilet and in the shower. This can also be accomplished by having rounded corners on countertops for bathroom vanities, as well as in the kitchen. Making sure all floor materials are slip resistant can also lower the residents' chance of falling, which in turn keeps also keeps them safe.

Research Summary (continued)

Table 1

MCSS ²¹ /Zgola ²⁹	Environment should:	• Be structured • Be stable • Provide environmental routines (association of activities with certain locations)	• Facilitate orientation • Provide security • Promote recollection
Pynoos et al ¹¹	Environment should:	• Serve as a (memory) cue • Promote dignity and independent functioning • Provide appropriate sensory stimulation • Provide security and safety • Provide the appropriate level of activity/task • Provide a home-like and familiar atmosphere • Provide for individual control and privacy	• Create opportunity for socializing • Be flexible and adaptable in supporting the person's behavioral and physical needs • Emphasize wellness and maintain connection with the healthy and the familiar
Schiff ¹⁸	Environment should:	• Be clear and well structured • Be stable and familiar • Serve as a cue to behavior	• Serve as a cue to memory • Support reality orientation
Cohen and Weisman ³⁰	Therapeutic goals for good design:	• Ensure safety and security • Support functional ability through meaningful activity to help maintain competence and enhance self-esteem • Maximize awareness and orientation • Provide (carefully regulated) opportunities for (sensory) stimulation and change, avoiding either deprivation or overload	• Maximize autonomy and control • Adapt to changing needs • Establish links to the healthy and familiar, for instance, maintain as many links as possible with past lives • Provide opportunities for socialization • Protect the need for privacy
Brawley ³¹	A functional environment should:	• Enable communication and appropriate exercise • Minimize agitation • Minimize hazard and risks of falls and injury	• Provide nurturing, comfort, and security • Anticipate potential cognitive deficits • Provide cures and assistance for wayfinding
Marshall ¹⁶	Design should:	• Compensate for disability • Maximize independence • Enhance self-esteem and confidence • Demonstrate care for staff	• Be orientating and understandable • Reinforce personal identity • Welcome relatives and the community • Allow control of stimuli
Fleming et al ³²	Special care units should provide or facilitate:	• Ensure safety and security • Reduce the size of the group and be small • Make the environment simple and provide good visual access • Reduce unwanted and unnecessary stimulation • Highlight helpful stimuli	• Provide for planned wandering • Make the environment as familiar as possible • Provide opportunities for both privacy and community • Provide for visitors, that is, links to the community • Make the environment as domestic as possible

Works Cited

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Schölzel-Dorenbos, C. J., Meeuwssen, E. J., & Olde Rikkert, M. G. (2010). Integrating unmet needs into dementia health-related quality of life research and care: Introduction of the Hierarchy Model of Needs in Dementia. *Aging and Mental Health*, 14(1), 113-119.

Van Hoof, J., Kort, H. S., Van Waarde, H., & Blom, M. M. (2010). Environmental interventions and the design of homes for older adults with dementia: an overview. *American Journal of Alzheimer's Disease & Other Dementias*®, 25(3), 202-232.

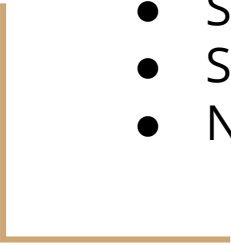
Lifestyle Design Concept Statement

The urban farmhouse lifestyle household for long term care will provide the residents comfort, normality, and security in this sensitive stage of their life. This will be achieved by designing the household with furniture, fixtures and materials that are similar to the lifestyles in which the residents once lived.

The residents will have the freedom to live their lives however they chose in this small house setting, while having 24/7 staff care. Overall the purpose of the urban farmhouse lifestyle home is to improve each residents quality of life and to provide personal care for each resident.

Design Goals



- Support long-term care residents diagnosed with dementia
 - Flexibility
 - Independence, self-reliance
 - Biophilic design
 - Universal design
 - Wayfinding
 - Sustainability
 - Security
 - Safety
 - Normality
- 

Design Process Work

Inspiration Pictures



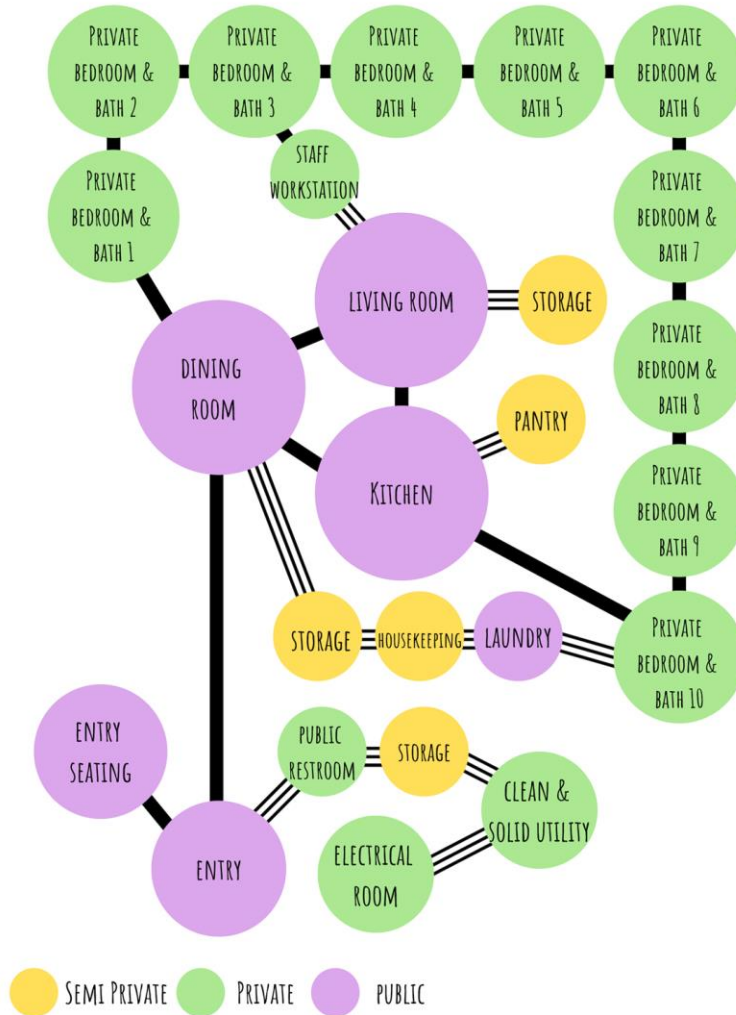
Design Process Work

Inspiration Pictures

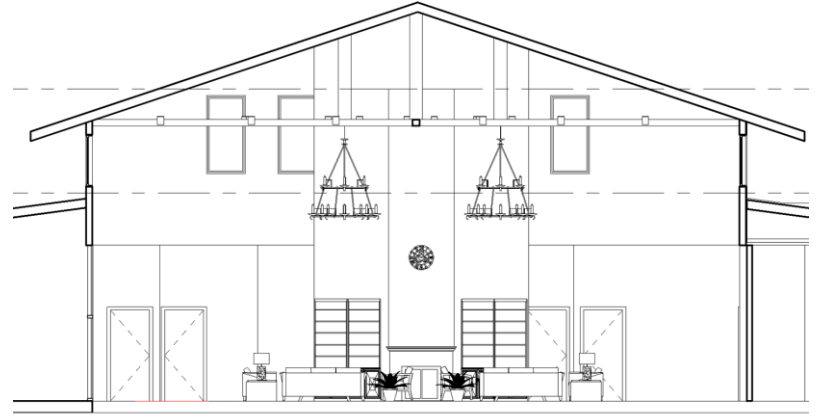
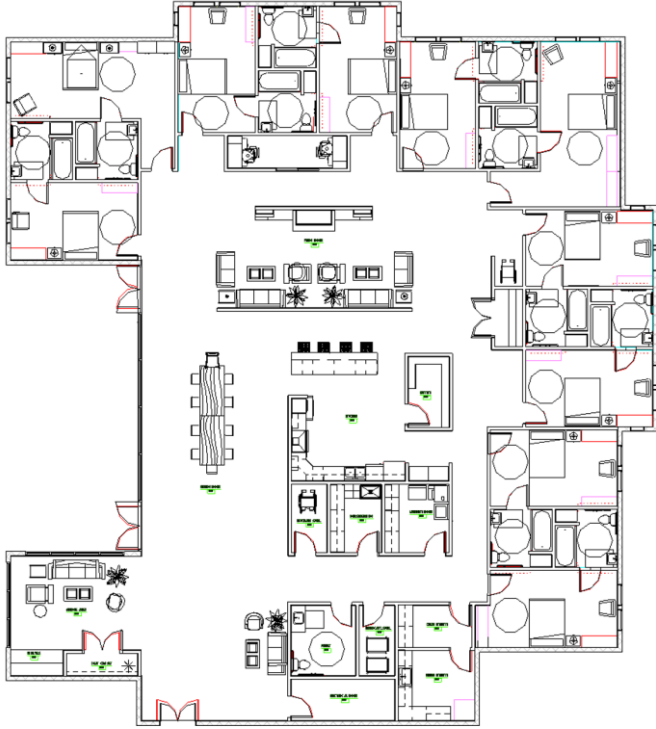


Design Process Work

Bubble Diagram



Design Process Work

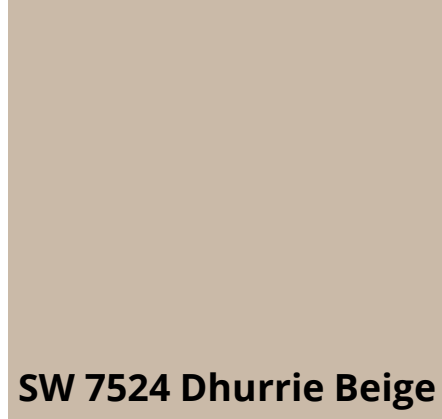
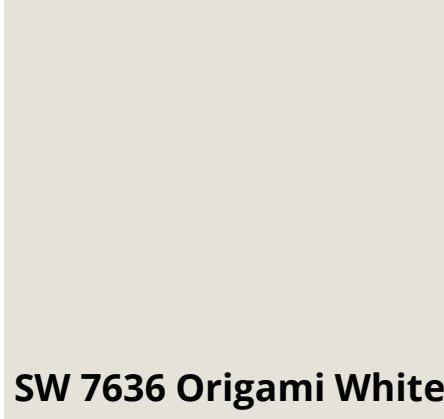


Design Process Work

Rendering Progress



Wall Finishes



Floor and Counter Finishes



Upholstery Finishes



Upholstered Furnishings



KWALU - TENNA SOFA

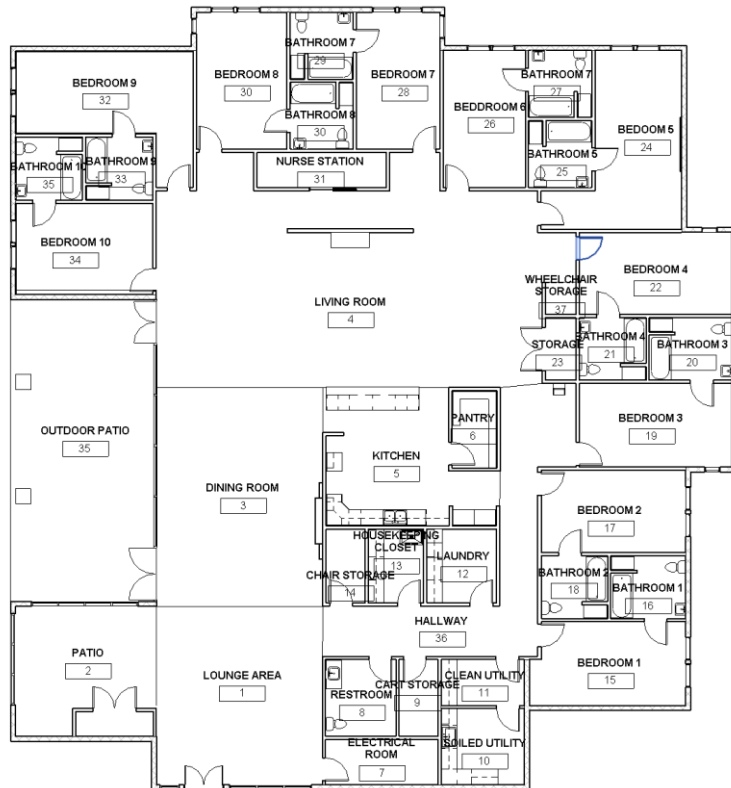


KWALU - TENNA LOVESEAT

Upholstered Furnishings



Floor Plan



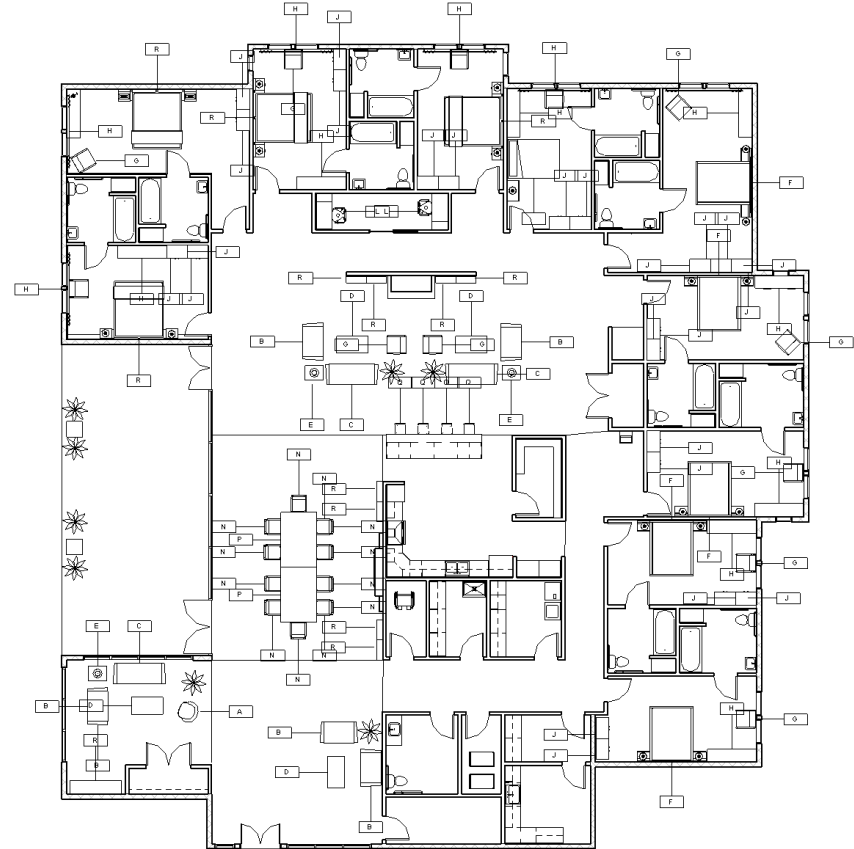
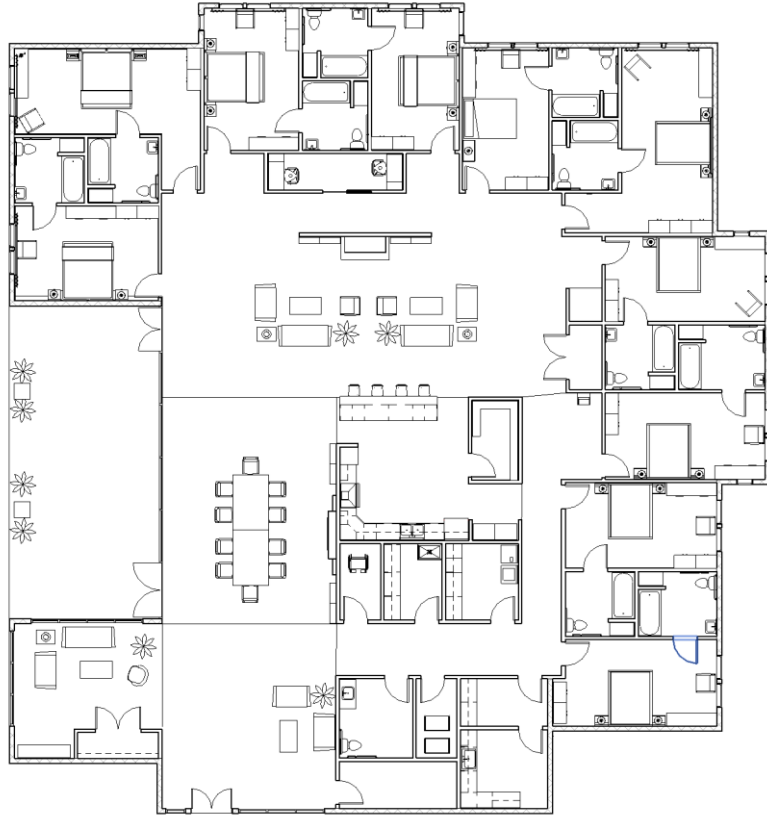
Room Legend

- BATHROOM 1
- BATHROOM 2
- BATHROOM 3
- BATHROOM 4
- BATHROOM 5
- BATHROOM 7
- BATHROOM 8
- BATHROOM 9
- BATHROOM 10
- BEDROOM 6
- BEDROOM 5
- BEDROOM 1
- BEDROOM 2
- BEDROOM 3
- BEDROOM 4
- BEDROOM 7
- BEDROOM 8
- BEDROOM 9
- BEDROOM 10
- CART STORAGE
- CHAIR STORAGE
- CLEAN UTILITY
- DINING ROOM
- ELECTRICAL ROOM
- HALLWAY
- HOUSEKEEPING CLOSET
- KITCHEN
- LAUNDRY
- LIVING ROOM
- LOUNGE AREA
- NURSE STATION
- OUTDOOR PATIO
- PANTRY
- PATIO
- RESTROOM
- SOILED UTILITY
- STORAGE
- WHEELCHAIR STORAGE

Rendered Furniture Plan



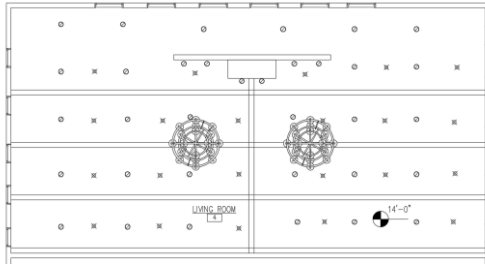
Furniture Plan



Ceiling Plan

REFLECTED CEILING LEGEND

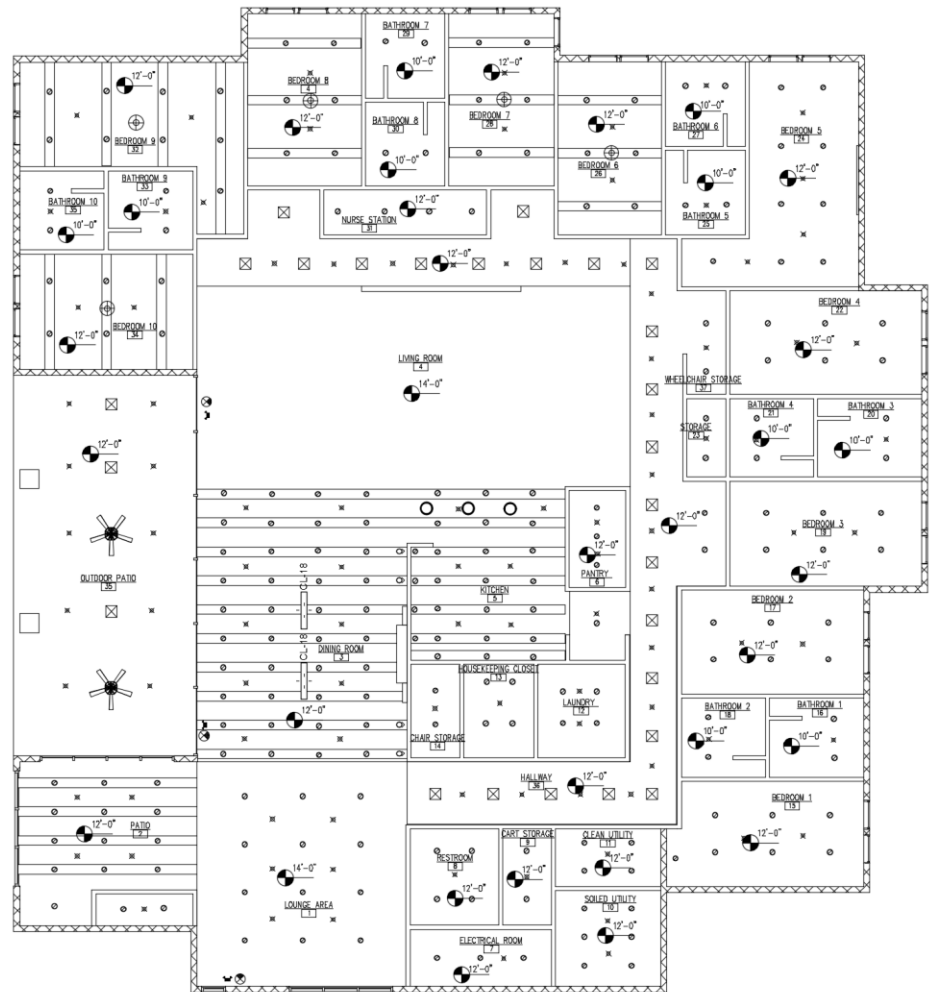
		EXIT SIGN
		CEILING HEIGHT SYMBOL
		SPRINKLER HEAD
		EMERGENCY LIGHT
FF		1' SQUARE DOWNLIGHT
PD		PENDANT LIGHT 1
BB		PENDANT LIGHT 2
CC		PENDANT LIGHT 3
FF		14' SQUARE CEILING LIGHT
EE		FAN WITH LIGHTING
AA		CHANDELIER



REFLECTED CEILING PLAN – LIVING ROOM

REFLECTED CEILING LEGEND

	EXIT SIGN
	CEILING HEIGHT SYMBOL
	SPRINKLER HEAD
	EMERGENCY LIGHT
	1' SQUARE DOWNLIGHT
	PENDANT LIGHT 1
	PENDANT LIGHT 2
	PENDANT LIGHT 3
	14' SQUARE CEILING LIGHT
	FAN WITH LIGHTING
	CHANDELIER



REFLECTED CEILING PLAN

Elevations



Level 2
12' - 0"



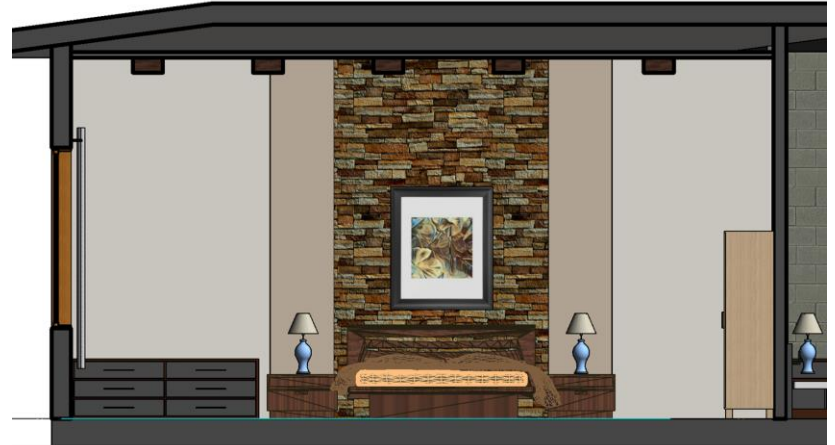
Level 1
0' - 0"



Elevations



NURSE STATION



Rendered Perspectives



Rendered Perspectives



FURNITURE SCHEDULE

Fur. tags	Manufacturer	Description	Quantity	Location	Style	Notes
A	KWALU	Emarese Lounge Chair	1	Patio	EMAR1111	
B	KWALU	Tenna Loveseat	5	Living room, patio, lounge area	TEN26T1	
C	KWALU	Tenna Sofa	3	Living room, patio, lounge area	TEN36T1	
D	KWALU	Savoca Rectangular Coffee table	4	Living room, patio, lounge area	SAVTBLB21	
E	KWALU	Sutera End Table	3	Living room, patio	SUTBLA11	Wood
F	Custom	Bed with nightstand	10	All bedrooms		Custom, queen size
G	KWALU	Valentia chair	12	Bedrooms, living room	VLG11250	
H	KWALU	Dorchester Dresser, 6 drawers	10	All bedrooms	DODR60	
J	KWALU	Tempe double wardrobe	10	All bedrooms	TEWR12	1 drawer, 2 doors
L	STEELCASE	Executive chair	2	Nurse station	GESTURE	Black and gray finishes
M	STEELCASE	Nurse desk	2	Nurse station	OLOGY	Gray
N	KWALU	Dining chair	10	Dining room	Valentia	
P	Custom	Dining table	2	Dining room		Quart table top
Q	KWALU	Pinetta Bar Stool	4	Kitchen	PNSTB01	
R	Custom	Bookself	8	Living room and dining room		Built-in, custom

Lighting Schedule

Lighting key	Manufacturer	Description	Quantity	Location	Style	Finishes	Notes
AA	LBL LIGHTING	Chandelier	2	Living room	Tae 9 chandelier	Black/aged brass	28" diameter
BB	LBL LIGHTING	Chandelier	5	Bedroom 6 to 10	Interlace 18 chandelier	Black	LED, 2700K, 120V, 18" diameter
CC	ACCESSS LIGHTING	Chandelier	2	Dining room	63962 Ledd Nido	Oil rubbed bronze	LED, 3000K, 120V
DD	LBL LIGHTING	Pendant light	3	Kitchen	Togan LP893	White	12" diameter, LED, 120 V, 2700k, 90 CRI
EE	DEL MAR	Fan with light	2	Patio	60" Deer Lodge	Dark Mahogany	#DL60MI5CRW
FF	GOTHAM LIGHTING	6" recessed downlight	262	All rooms	Evo 6" downlight	White	2700K, LED
GG	LBL LIGHTING	Bath and vanity lights	10	All bathrooms	Granada 4 #BA1048	Bronze	24"W, 4 light bulbs
HH	LBL LIGHTING	Ceiling light	26	Hallway and outdoor patio	Loom 14 lush square	Satin gold/ matte black	LED, 90CRI, 3000K, 120V, 14"width



FINISHES SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	STYLE	COLOR	NOTES
P1	Interior paint	Sherwin Williams	SW7636	Origami White	LRV: 76
P2	Interior paint	Sherwin Williams	SW6039	Poised Taupe	LRV: 22
P3	Interior paint	Sherwin Williams	SW7524	Dhurrie Beige	LRV: 50
VW1	Vinyl wallcovering	Arc-Com	ACW53357	Kashmir	Anti-microbial, stain and mildew resistant
LVT	LVT	Armstrong	A6904		
U1	Upholstery	Kravet	34707-106		
U2	Upholstery	Kravet	35115-106		
C1	Quartz Countertop	Cambria		Claridge	2" thick
T1	Mix Mosaic Tile	Daltile	CS96	Emerald Isle	Backplash at kitchen
BW1	Brick wall		889604		
SW1	Stone Wall	Daltile	34-673	Anatolia	
WW1	Wood	Armstrong	Ekos	Maple	Woodwork Ekos
C1	Gypboard Ceiling	Armstrong			
C2	Wood ceiling with beams	Custom			

ROOM SCHEDULE

Room Name	Ceiling		Walls				Floor
	Height	Type	N	S	E	W	
Patio	12'-0"	C2	P3	P2, BW1	P3	P3	LVT
Lounge Area	14'-0"	C1	P1	P1	VW1	P1	LVT
Dining Room	12'-0"	C2	P1	P1	VW1, SW1	P1	LVT
Restroom	12'-0"	C1	P1	P1	P1	P2	LVT
Electrical Room	12'-0"	C1	P1	P1	P1	P1	LVT
Clean Utililty Room	12'-0"	C1	P1	P1	P1	P1	LVT
Soiled Utility	12'-0"	C1	P1	P1	P1	P1	LVT
Cart Storare	12'-0"	C1	P1	P1	P1	P1	LVT
Storage 2	12'-0"	C1	P1	P1	P1	P1	LVT
Hallway	12'-0"	C1	P1	P1	P1	P1	LVT
Wheelchair Alcove	12'-0"	C1	P1	P1	P1	P1	LVT
Chair Storage	12'-0"	C1	P1	P1	P1	P1	LVT
Laundry	12'-0"	C1	P1	P1	P1	P1	LVT
Housekeep Closet	12'-0"	C1	P1	P1	P1	P1	LVT

Room Name	Ceiling		Walls				Floor
	Height	Type	N	S	E	W	
Kitchen	12'-0"	C2	P1	P1	VW1, SW1	P1	LVT
Pantry	12'-0"	C1	P1	P1	P1	P1	LVT
Living Room	12'-0"	C2	P1, P3, SW1, WW1, VW1	WW1	P1	P1	LVT
Nurse Station	12'-0"	C1	VW1	VW1	VW1	VW1	LVT
Bedroom 1	12'-0"	C1	P1	WW1, P3	P1	P1	LVT
Bathroom 1	10'-0"	C1	P1	P1	P3	P1	LVT
Bedroom 2	12'-0"	C1	WW1, P3	P1	P1	P1	LVT
Bathroom 2	10'-0"	C1	P1	P1	P1	P3	LVT
Bedroom 3	12'-0"	C1	P1	WW1, P3	P1	P1	LVT
Bathroom 3	10'-0"	C1	P1	P1	P3	P1	LVT
Bedroom 4	12'-0"	C1	WW1, P3	P1	P1	P1	LVT
Bathroom 4	10'-0"	C1	P1	P1	P1	P3	LVT
Bedroom 5	12'-0"	C1	P1	P1	WW1, P3	P1	LVT
Bathroom 5	10'-0"	C1	P1	P3	P1	P1	LVT

ROOM SCHEDULE

ROOM NAME	CEILING		WALLS				FLOOR
	HEIGHT	TYPE	N	S	E	W	
BEDROOM 6	12'-0"	C2	WW1, P2	VW1	P1	P1	LVT
BATHROOM 6	10'-0"	C1	P2	P1	P1	P1	LVT
BEDROOM 7	12'-0"	C2	WW1, P2	VW1	P1	P1	LVT
BATHROOM 7	10'-0"	C1	P2	P1	P1	P1	LVT
BEDROOM 8	12'-0"	C2	WW1, P2	VW1	P1	P1	LVT
BATHROOM 8	10'-0"	C1	P1	P2	P1	P1	LVT
BEDROOM 9	12'-0"	C2	WW1, P2	VW1	P1	P1	LVT
BATHROOM 9	10'-0"	C1	P1	P1	P2	P1	LVT
BEDROOM 10	12'-0"	C2	WW1, P2	VW1	P1	P1	LVT
BATHROOM 10	10'-0"	C1	P1	P1	P1	P2	LVT