

EVERY HOUSE CHANGES -IDEAS FOR RESIDENTIAL NEIGHBORHOODS SUMMARY

north

ARIZONA STATE UNIVERSITY, CAED AND THE CITY OF SCOTTSDALE Catherine Spellman, ASU Connie Padian and Monique de los Rios for the City of Scottsdale

CREDITS

This project was made possible by the City of Scottsdale and College of Architecture and Environmental Design, ASU. The project was initiated by Connie Padian, and administered by Monique de los Rios, City of Scottsdale Catherine Spellman, Associate Professor, ASU, developed and guided the design work.

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COMMENT

The design work shown in this project is intended to suggest ideas about home renovation, expansion, and other forms of

change

to the single family Ranch Style house.

Ten house projects are considered in the study, they represent the variety of house types built in the study area between 1950 and 1970. Each house is presented with an idea or theme, that guides the design development for that particular house. The themes are intended to offer a focused "way of thinking" about change to this house type. For example, the roof house theme suggests that change to a house might start with a re-thinking of the space between the ceiling and the roof—creating a relationship between this space and the rest of the house/property. The ten themes overlap, interchange, and influence each other; with a close look one will notice that most of the houses are developed with

several themes in mind.

Though most of the house projects are presented in an advanced phase of change, they are all considered as a series of smaller changes that can build upon each other; the change and cash house projects best illustrate the additive process that we considered with each of the ten projects. The section of the study called parts and pieces separates many of the smaller changes that occur in the ten projects.

NOTE TO OUR READERS

The material included in this book is intended to be used as a reference in developing home remodeling ideas and plans. Although most of the architectural components suggested are adaptable to various existing home plans, every condition is unique, and careful consideration should be given to their application. As we embark in the home renovation or remodeling process and explore the ideas presented in this book, we need to keep in mind that each home style, function and structural condition should be the context for the development of all architectural plans and construction details. This source book is not intended to replace any part of the process to obtain a building permit when required by the City of Scottsdale.

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PARTS AND PIECES

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REFERENCES

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EVERY HOUSE CHANGES - PROJECT STATEMENT

This research considers the existing housing stock in the area between Indian Bend Wash and McDowell Road in the City of Scottsdale, in order to develop design ideas for neighborhood improvement, renovations, in-fill construction, and landscaping. The study is a result of observation, research, and design exploration. It is conducted by faculty, recent graduates, and students of the School of Architecture at Arizona State University, with the support of the City of Scottsdale. The study is intended to assist home-owners and neighborhood associations with the renovation process by providing them with:

ONE

An understanding of the existing neighborhood/home qualities and characteristics that should be maintained and enhanced.

TWO

An understanding of what constitutes a 'good architecture'.

a. Considers what is beneficial to the community while fulfilling personal needs and desires.

b. Understands the qualities of the existing situation and works to enhance it.

The existing situation includes the climate, building patterns, history, tradition, and culture of the place. To enhance it does not necessarily

mean to repeat, duplicate or otherwise mimic the situation, but rather to be aware and responsive towards it.

c. Is based on ideas. Form is arrived at through the translation of ideas into material.

d. Considers how people use space and is innovative about the use of space.

e. Uses material as an expression of an idea, as well as its physical quality, structural capability, and cultural heritage.

THREE

Design ideas and options for both neighborhood and home improvements.

The study is written to address both the

community and the home-owner.

Scottsdale's tract homes of the 50s, 60s, and 70s were built to address the lifestyle of young suburban single income families with one or two children. Today these same homes must accommodate a much wider variety of lifestyles. Today the average American household moves every few years. This trend undermines a sense of community that is established through collective memory and shared experience. This study considers how these homes may be renovated to better serve current lifestyles and how neighborhood improvements might be made

to provide for a

stronger sense of community and place.

Our design recommendations will be based on a few essential assumptions:

Places change with time.

The physical evidence of time and change is essential to the development and well-being of the community, not only because it reminds us of what came before but it directs us in managing future change. Our recommendations will engage traces of time and change.

Each place embodies very specific qualities

of light, climate, and topography that are perceived through the five senses. Perception of these qualities is what enables us to familiarize ourselves with a place. Our recommendations will highlight the particular qualities of this place by considering the possibilities of

sensual perception.

The house and yard together provide the place for the repetitive acts and events of everyday life.

BRIEF HISTORY OF SCOTTSDALE AND THE RANCH HOUSE

Founded by Major Winfield Scott in the late 1800s, Scottsdale started as a 160-acre homestead community. It soon grew into a small, but thriving agricultural area, with crops of citrus and cotton. As a ploy to bring outsiders to the area, Scott advertised his homestead as a "health center," thus opening the market for an influx of vacation centers and winter resorts. As well, interests in "art and hospitality" seed-ed future economic growth.

The farming community of Scottsdale was first adapted to meet wartime efforts in World War I. Cotton was processed downtown to more efficiently meet wartime needs. The new technologies and demands of World War II brought new challenges and opportunities to the city. By the end of the War, the city's economy was comprised of three groups, agriculture, skilled workers, and tourists. By the mid 60s developers were constructing an average of 540 homes a year and the demographic shifted from a mostly older agricultural community one dominated by younger families supported by the technology industry.

Other changes to Scottsdale resulted from national and more general shifts in lifestyle. For example, the popularization of television piped alluring images into thousands of living rooms. The suburban home filled with reusable goods, labor saving devices, and American patriotism. New suburban neighborhoods displayed and encouraged a sense of unity and sameness. As well, it is important to note the significance of the car to this housing development. Suburban cities such as Scottsdale were no longer pedestrian oriented, and the car transitioned from a household luxury into a necessity.

The ranch style houses of the 40s, 50s, 60s, and 70s were identified in popular literature with the new idea of the family. The basic feature of the ranch house—its simple, informal, one story structure, its low-pitched eaves, its large expanse of glass—were all associated with the easy-going life-style that was identified with the Southwest and the West Coast. The architecture of these houses intended to be a response to the way people wanted to live. They were to be relaxed, comfortable, and casual. Often designed with generous patios, the ranch house was to complement the informal family that appreciated living out of doors.

Thought of as an approach to living with nature, the ranch house retained a low silhouette that blended more gently with the landscape. The gentle sloping and overhanging roof shelter the house form the rain and sun without interfering with views or filtered light. The plate glass windows with thin steel frames and the sliding glass doors allowed the house to become a part of the changing seasons and daily light. The interior walls of the house literally changed color with the changes in light, making nature a part of the interior decoration. The extension of the interior to the exterior through the use of patios and courtyards made the small interior space seem larger, this connection of interior to exterior space is further emphasized by maintaining the ground level throughout the house.

Another feature common to most ranch style houses was the separation of the interior into three distinct zones: the housework center, the area of living activities, and the private area. Most builders insisted on a utility core at the center of the house for reasons of efficiency and convenience. The ranch house departed from earlier concerns about hygienic service area that needed to be separated for the living spaces and placed the kitchen in the center of the house in full view of living spaces. By opening the kitchen one could prepare meals while watching children and participating in social activities of the family. In place of the nineteenth-century view of specialized spaces for each family member, a more interactive family had emerged. With this shift the ranch house expresses convenience over style, comfort rather

than some formal notion of beauty (Clark, 216).



lot area lot width	4,700 ft2 min.	1		1.	
lot width		lot area	7,000 ft2 min.	lot area	10,000 ft2 min.
	45' min.	lot width	70' min.	lot width	80' min.
corner lot	55' min.	ht restriction	30' max.	ht restriction	30' max.
lot depth	85' min.	front yard	20' min.		
		double frontage	20' min.	front yard	30' min.
height restriction	30' max.	intersection frontage	20' min.	double frontage	30' min.
front yard	15' min.	other	5' min.	intersection frontage	main is 30' min.
double frontage	15' min.	side yard	14' min. combined		other is 15' min.
collector, arterial,			5' min. per side	side yard	7' min. per side
expressway, freeway	25' min.	rear yard	25' min.	rear yard	25' min.
ē	narrowest is 10' min.		22' min.	additional buildings	15' min. setback
side yard	0' or 5' or more		dedication of 8' to alley		30% max of rear yard
aggregate side yard	10'	additional buildings	15' min. setback	distance between	
rear yard	15' - abuts R1-thru R-5		12' min.—8' to alley	building/addition	10' min
			30% max of rear yard	distance between	
	25' - abuts other R1 district	distance between		adjacent buildings	14' min.
garage/		building/addition	10' min	wall/fence/hedge	
carport setbacks	0 - 29 degrees 20' min.	distance between		height (side + rear.	8' max.
	30 - 44 deg 17' min.	adjacent buildings	.14' min.	wall/fence/hedge	
	45 - 59 deg 14' min.	wall/fence/hedge		height (front)	.3' max.
	60+ deg 10' min.	height (side + rear).	8' max.	corner property	no side yard restrictio
side/rear walls conform to standard of		wall/fence/hedge		intersection	
main building		height (front)	. 3' max.	property	side same as front
distance between			6' max. if:		
building/addition	8' min		encloses 40% max. of yard	1 single family per lot	
distance between			3' min. setback from property	1 dedicated vehicular	
adjacent buildings	10' min.		line	second is possible v	vith approval
		corner property	no side yard restriction		
wall/fence/hedge ht		intersection property	side and front same		
(side + rear)	8' max.	front patio/porch	10' min. setback		
wall/fence/hedge ht			20% max.coverage		
(front)	3' max.		in setbacks		
	6' max. if:		50% min.roof open to sky		
	encloses 33% max. of yard		structure integrated		
	3' min. setback		w/ existing building		
corner property	no side yard restriction	carport	.access parallel to street		
intersection	side same as front		10' min. setback		
front patio/porch	10' min. setback		20% max. coverage		
	20% max.coverage		in setbacks		
	in setbacks		25% min. of front side open		
	50% min. roof open to sky		structurally integrated		
	structure integrated		w/existing building		
	w/ existing building	1 single family per lot			
		1 dedicated vehicular	access per lot		
1 single family per lot					
1 dedicated vehicular a	access per lot				
second is possible with					
ZONING AND UNIFIE	D BUILDING CODES				



painted and exposed block wall



painted and exposed block wall



painted steel frame windows



painted steel frame windows





built-up, pitched, hipped, or mansard roofs









landscaped frontyards: xeriscaping and grass and imported plants



fenced backyards usually with grass



fenced backyards usually with grass

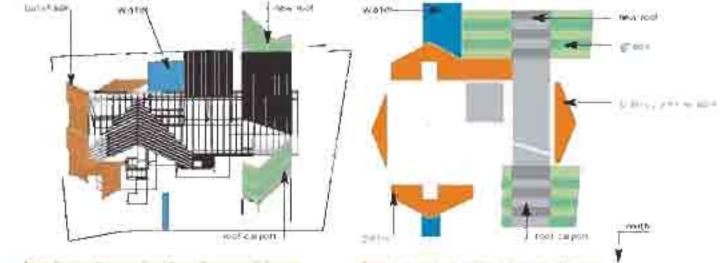


HOUSE CHARACTERISTICS

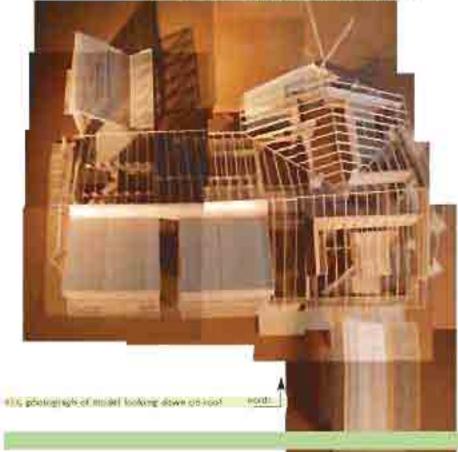


The floure takes advantage of the space under the cost to many houses of this type, this space is cullicitent for expansion upwards. The wood framed cull solutions can be easily adjusted to let in light and air, and provide a higher yow of the sourcounding neighborhood. Here the sinple of the existing ind an altered to anke space for a studio, upper and lower patio, barbolicany. The new cost failes in two directions responding to the different directions and interactly at light, he would be cost to open and chart of the part of the different directions and interactly at light, he well, the following allow the cost to open and chart at block, bringing in an Second put the heat of the sum

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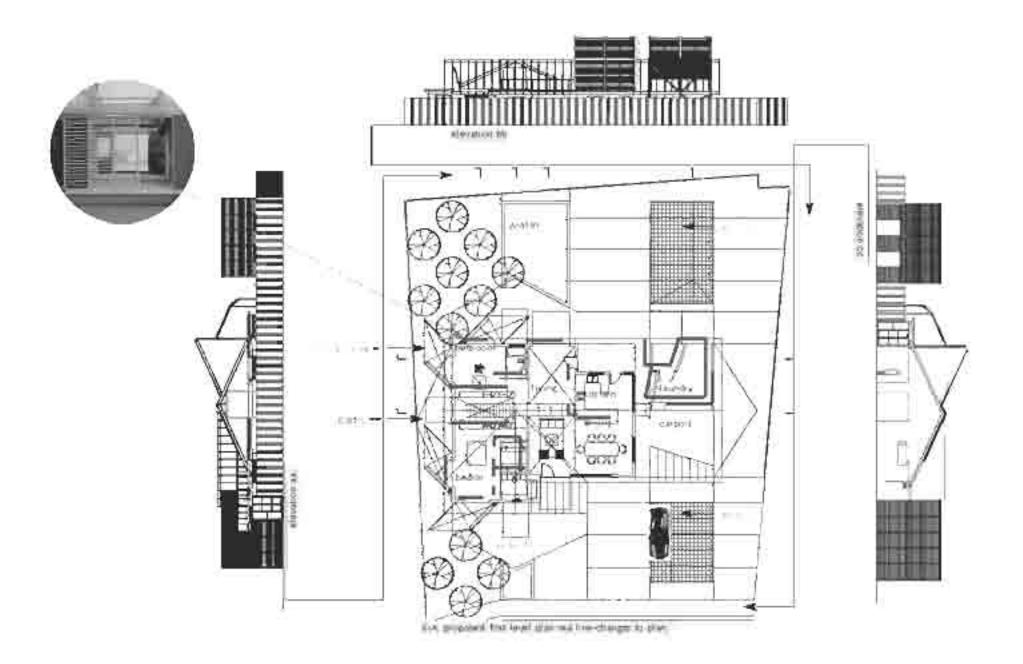
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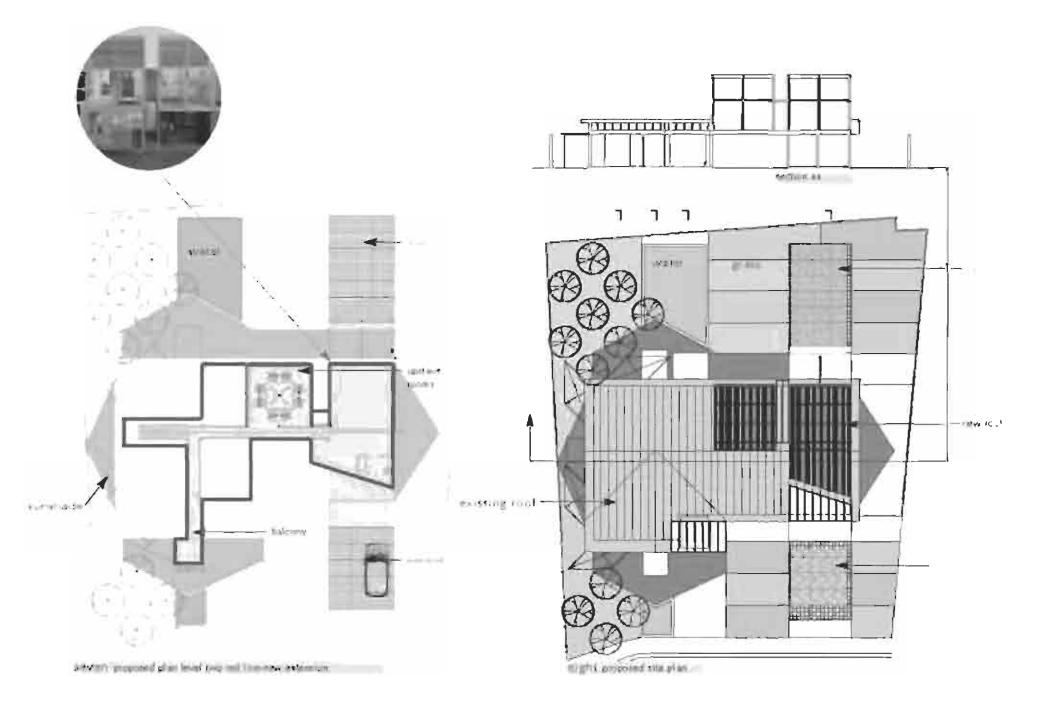


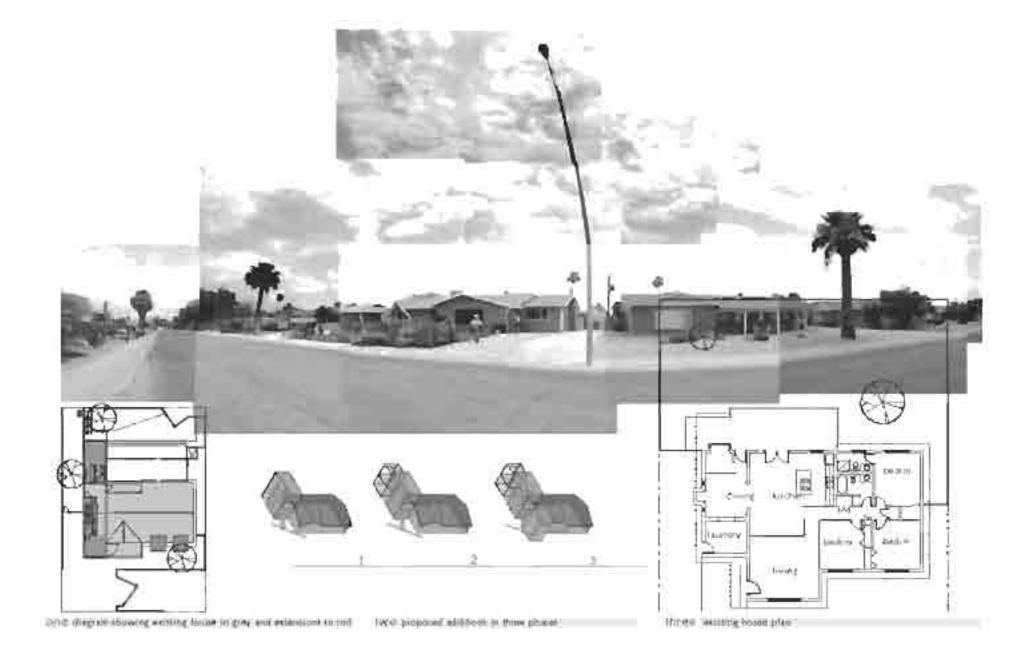
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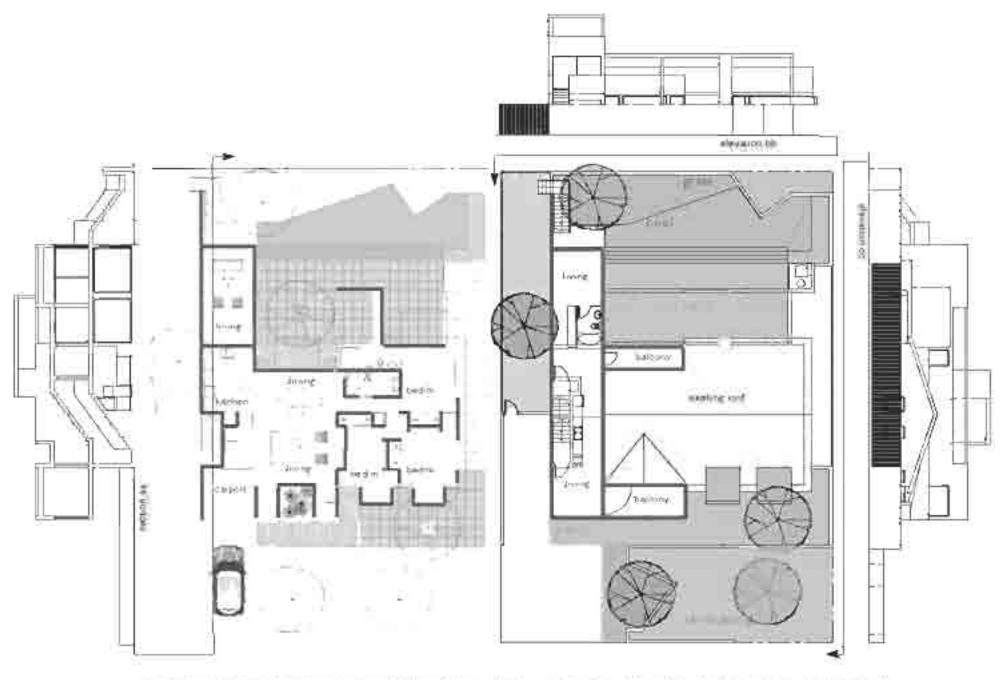






The house doubles the density of the single-tentity ranch house for by adding an Extra Family House on the space remaining in the ride set back. Where as the single-tendy ranch house on emitting ride to the streat, the Extra-Family House would intert intert side to the streat. Where as ground, the single logger the sky. The single family house was constructed with the feast expensive material of its time -matching, and the Extra-Family House would intert and of its time -matching, and the Extratends House would be communited with the least expensive meneral of us time, here ages and its wood. The Extra-Family House could be load in time ship, as in dimemon would allow it to be transported on a flat bed truck.

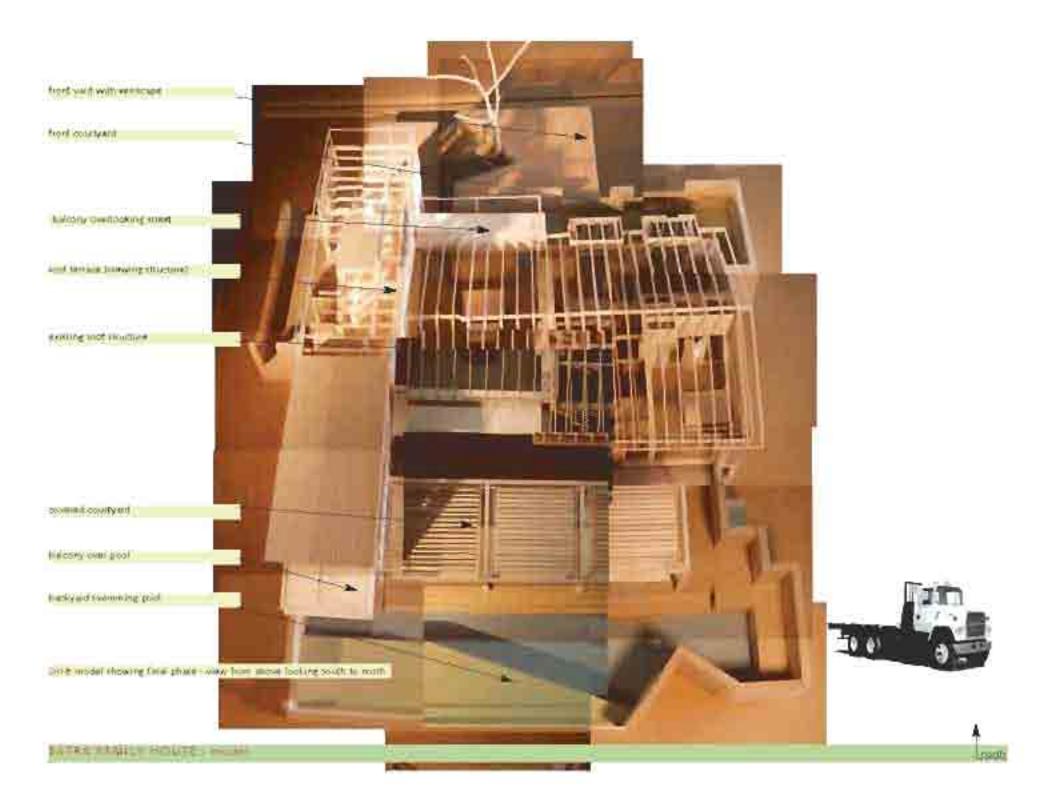
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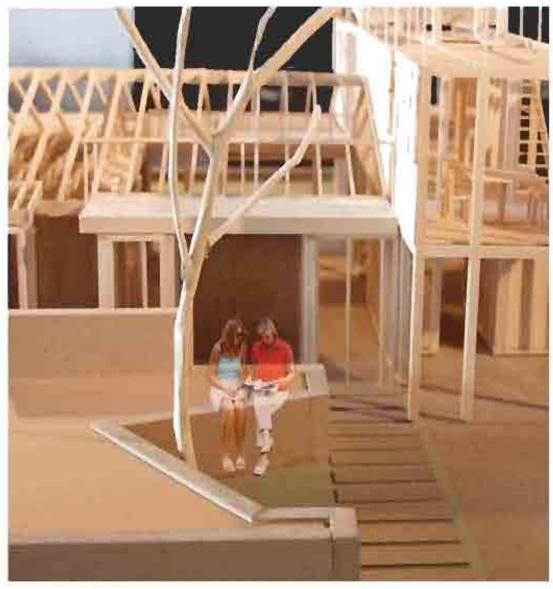


New proposed accord level plan and size plan and inter-changes and additions to plan

four areased first load plan and loss scheepen and subbosis to plan 19

where the from a started partition working





Iver view of entry walkway, garden well, halcony, front of extra family house - looking north to south



Three homent extra territy house showing corport, living toom, and roof terrace.



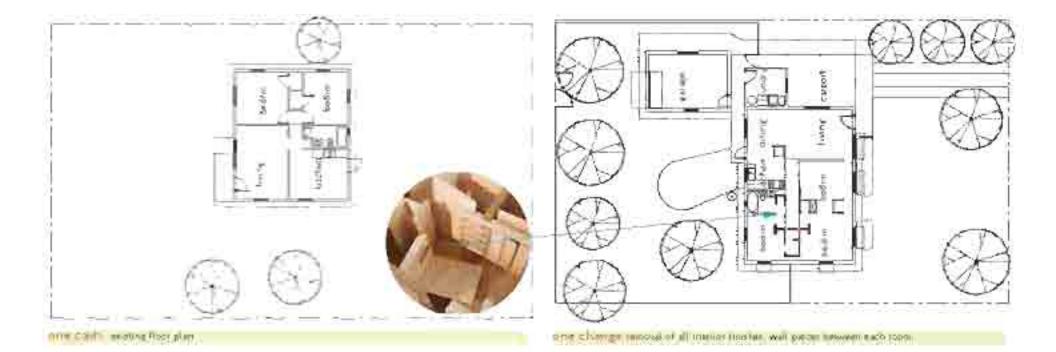
1001 even family house star, carport, not tenace, bacony - biolong west to east

model . TATRA FAMILY HOUSE



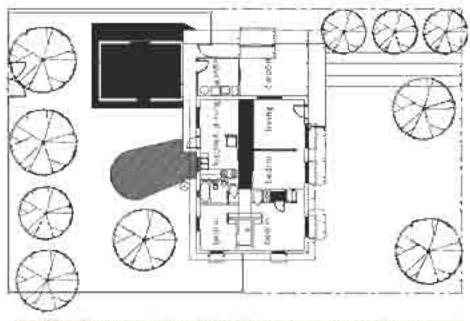
These houses are the epitome of "Every House Changes." A 940 sq...ft. A single woman with a large dog, very particular taste, no furniture, and very limited funds purchases house. First the Change House undergoes a process of Removal. Over a number of years the living situation of the home owner changes several times; a roommate moves in and out, a home office space is made, a boyfriend moves in and later becomes a husband, the dog dies, a mother comes for an extended stay, the adjoining property is purchased for an investment (Cash House), children arrive, the husband opens his own company, two new dogs arrive, etc. The Change and Cash House show the accommodation of each of these living situation changes.

CHANGE AND CASH HOUSES



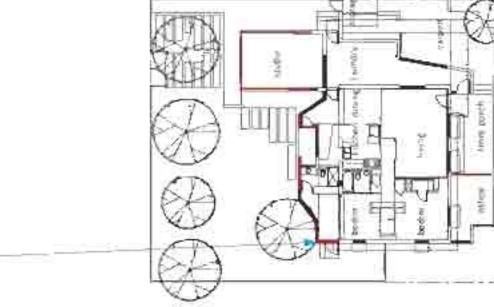


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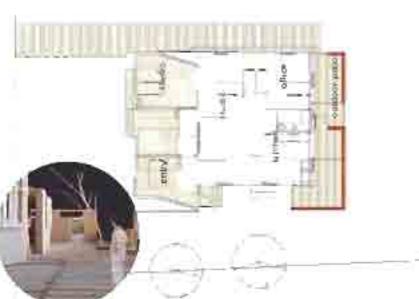
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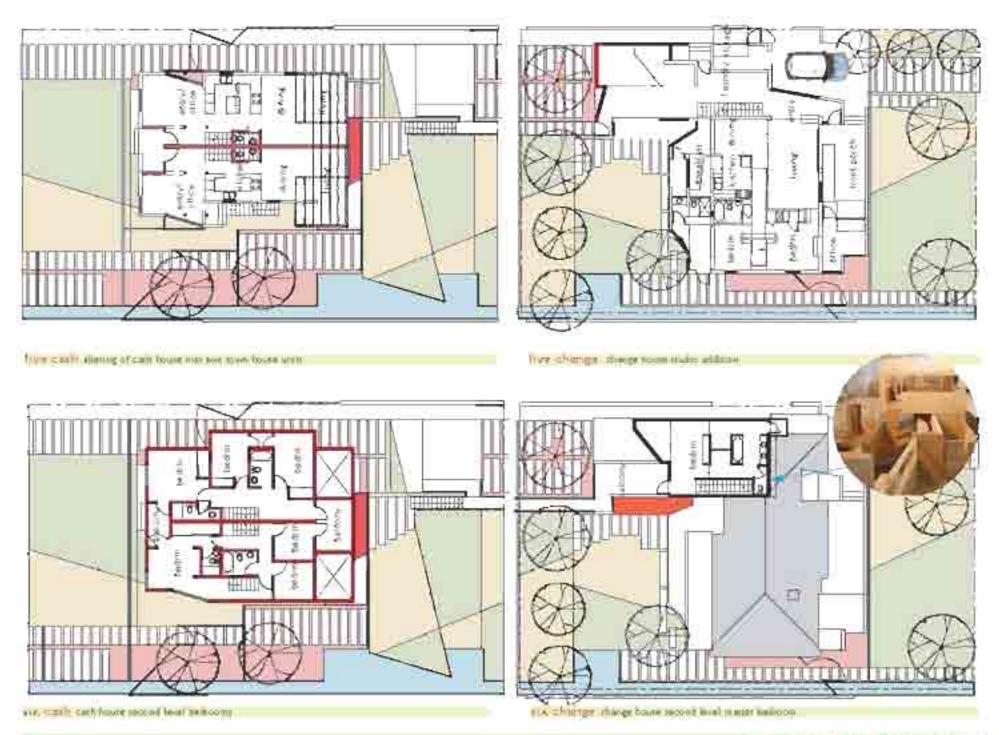




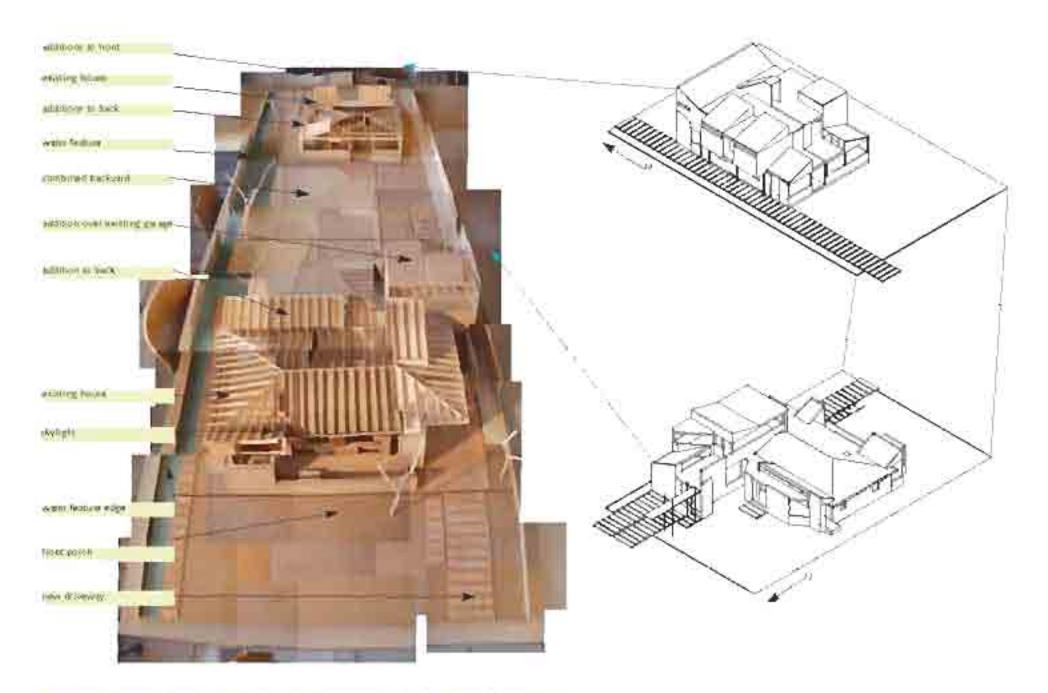
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four pool addition of backyard goods which blood a become the bloben expansion

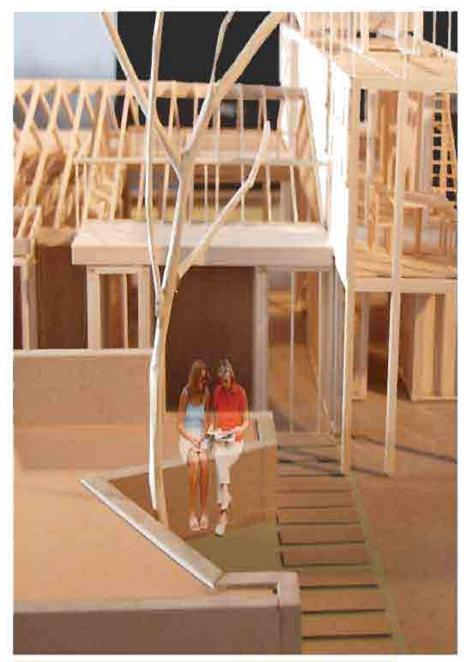


FIRE CHANGE AND CASH HEREES



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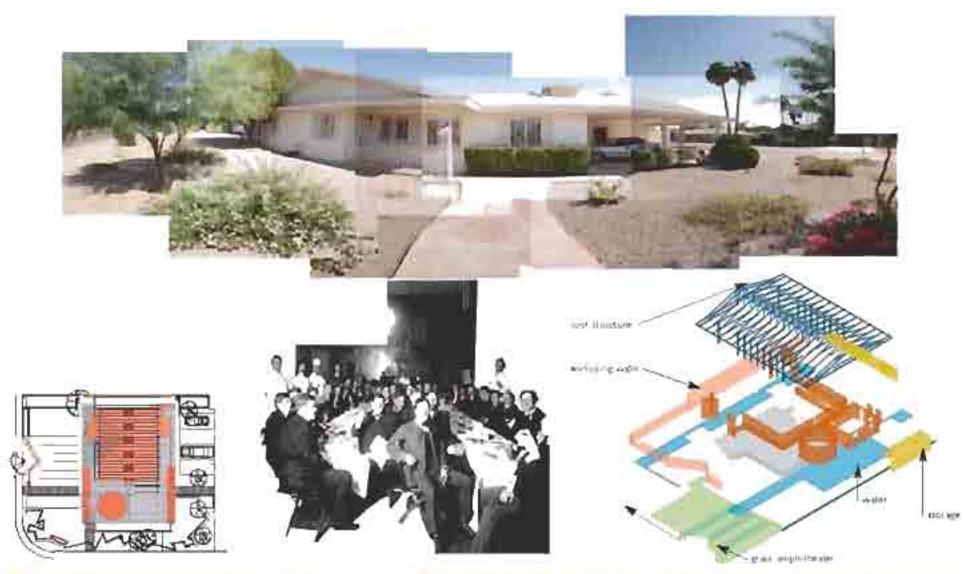
one cash house porch entry - looking west to east



two change house bedroom entry - looking west to east



three change house front entry bench and planter - looking south to north



time disgram thoseing monting house in grey and accarsion on too

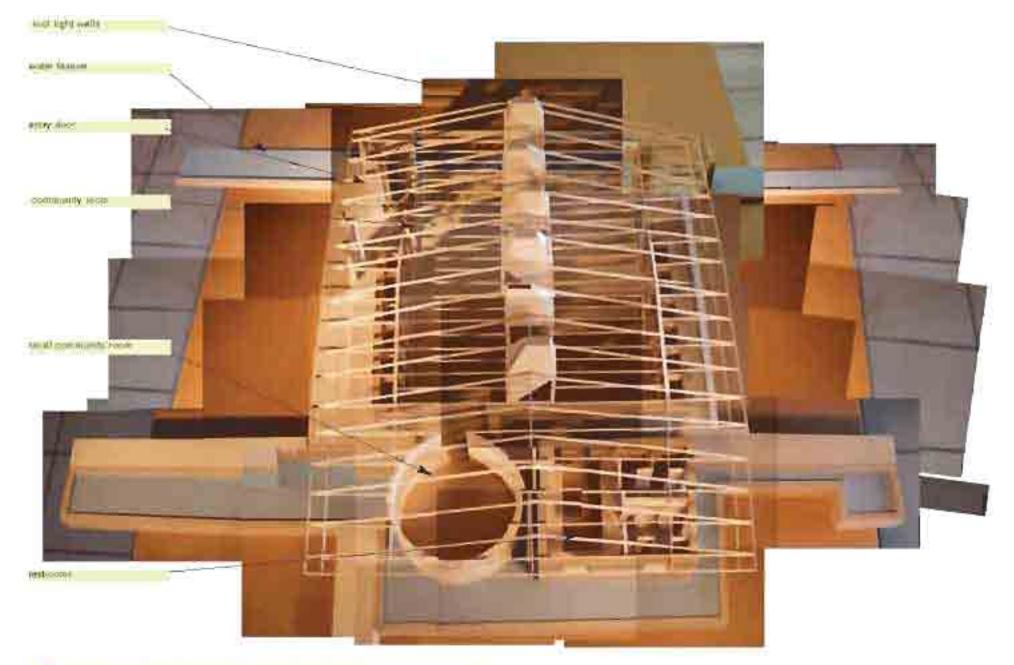
Web community meeting

If y or is again stowing the vaccus wament of the community house -

The house would be purchased by the day and employed to make a space for the community to gather or. This space would be used for social functions, celebrations, special event, advocation advancement, and recreation if would be evaluated an ended of social to a social functions, celebrations, special event, advocation advancement, and recreation if would be evaluated to all secondents of the community and could be maintained with a small increase to the property normalized within the employhouthout the Community endocreation mediation and would be exactly for any endocreation of the Community endocreation and would be exactly for any endocreation of the Community endocreation and would be exactly interplaying the community. This Community House takes obtaining of the Proce public correct out if along it off the alley. An installing space is also for englishing for any make it later for children playing. The unlering space is also forward to allow for a higher certain being be used to allow for a higher without sating the could on an an any one to all and non-the bound.

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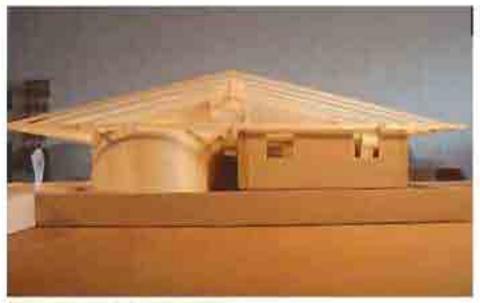


much

bit # constantly house model view from above a looking north to south.



How wall suming to a bolt of the state



forest spreet where there is a barrier to sense to



Tron tool hight certify years from show - south to storage



The state every - hooking the to enter



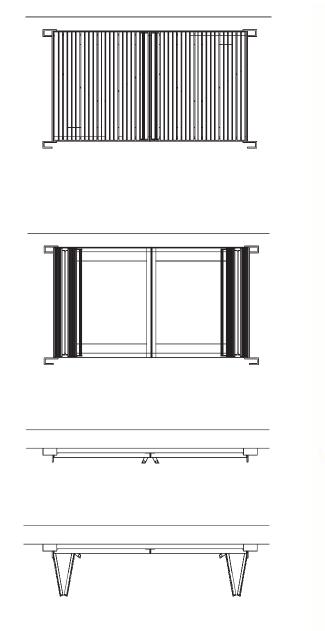
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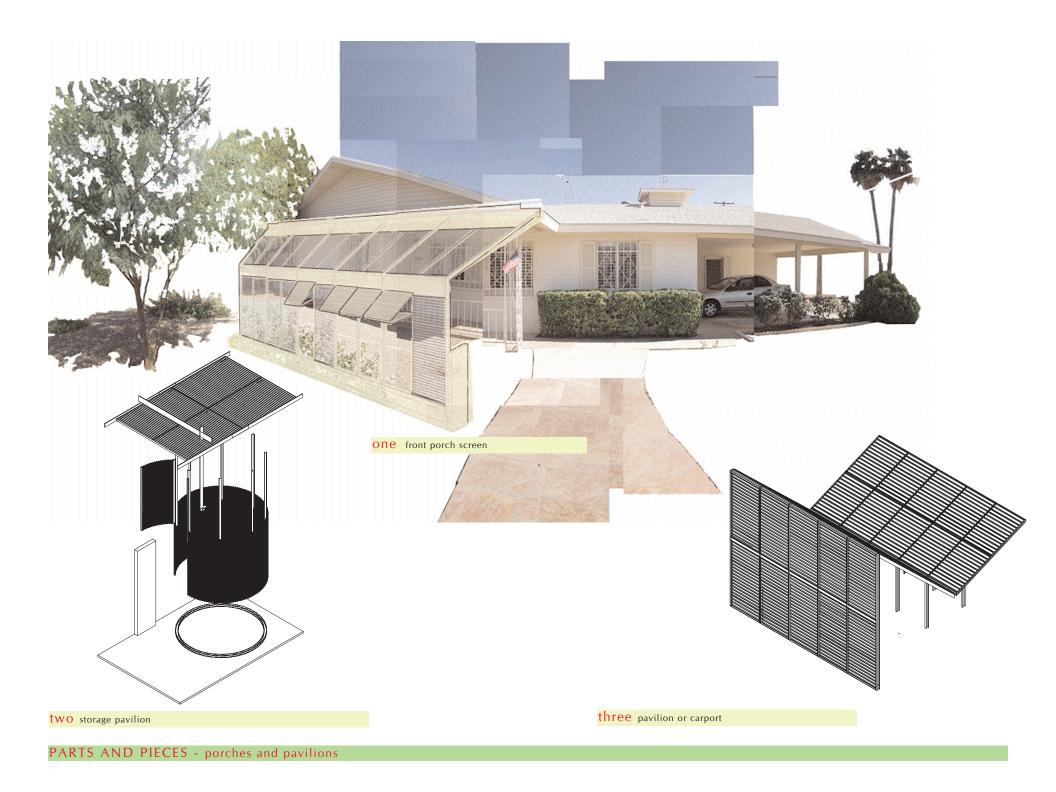
ONE plan and elevation of landscape wall and gate that opens 'large' for cars and trucks or 'small' for people

 two plan and elevation of mailbox, flower planter, flagpole, garden light



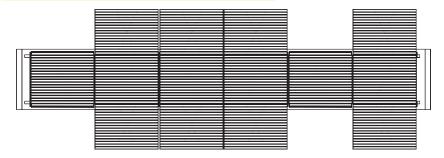


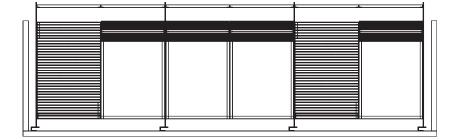
three plan and elevations of window screen to control light and heat gain





four screen shown as a shading device for back of house





Six elevation showing vertical doors open and closed

five plan showing vertical doors open



This file includes some products that we would recommend for single-family ranch house Changes. In selecting these products we have considered the scale, materials, and design aesthetic of the existing single-family ranch house, as well as the Changes that are proposed in this document. The file does not represent a complete search of available products, but it is meant to assist the homeowner in the selection process that occurs when Changes are made to a house.

Products are selected from Home Depot, Loews, The Great Indoors, and Ikea

MATERIAL FILE



MATERIAL FILE