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engaging adaptation

Abstract

"engaging adaptation"

George Mitsch March 19, 2003

Prepared in partial fulfilment of the requirements of the degree, Master of Architecture, in the Faculty of Environmental Design, The University of Calgary.

Supervisor: Marc Boutin

engages its place beyond either user through which the two interact. It holds distinct meaning for each participant, and as a form in the world, also between an owner and a tenant. Architecture is the meeting place for these participants. It is the mechanism Adaptable architecture. This is the conceptual base within a project that deals with the relationship

will establish itself along those lines which the architecture exemplifies. in a manner that reinforces each, and as the architecture holds out its values, so too, the owner/ user relationship elements distinct to stability/ the owner, and variation/ the tenant or user. Those architectural parts shall interact place within human place/ situation), and through this primary scope, develop the idea of architecture holding This project will address the architectural relationship to place, (history, environment, and conceptual

user, and the matter of the building and site. This is the experiment, evolve through direct interaction with the realities of built form, varied by the hand of the owner, that of the With time as an ongoing participant in this process of engagement with architecture, the design will

Keywords:

owner, user, place, space, time;

foundation, encouragement, mechanism, imposition, lived.

Preface

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groundwork for the beginnings of this interest. interaction between these parties and is the subject of this project. I will divulge some personal history to lay the space in the world and the control of that place by the owner. The architecture provides the framework for the such buildings which can be rented out to others. This situation creates a breach between the user of a living individuals to live within that place alone. An individual may own a home of their own, along with other under the rules of civilizations and individuals. The ownership of a place for living does not confine those architectural space. Space for living is set out in the world on the land, under the light of the passing sun, and This project comes out of dealing with a relationship between people that hold a common interest in

a sectional schism along its party wall line that follows the slope of the street. This uppermost building was a particular duplex from 1968. It is one of four buildings, all identical in plan but each given a street front average size for their use. Nothing which distinguishes the space within from a house. This project deals with properties has therefore been a backdrop to my life. It has been the engagement with tenants and property that still held today as rental properties. The relationship between landlord and tenant, and the managing of rental post building boom recession, he diversified into commercial construction, building one warehouse in the late sold after construction, so its development has operated under different hands. Each duplex is a side by side variation of facade. The homes run in a line down 72 Ave. NW, with the western most building also holding as they are now, as they were built, are typical to Calgary housing. Bone-white drywall, wood trim, rooms of an owner of a place in the world and the user of the space contained by that place. Our residential properties, seventies and another in the early nineties. A number of buildings were retained from the entire career and are form their own companies, my father taking the name Better Built Homes 1977 (LTD). From that period, the how can the architecture of this rental property speak of its reality, that being, a money-making device for bungalow contained within an exterior that links the whole through a common facade. The question became has spurred interest in this project which deals with the role of architecture within the relationship between housing from single homes, to duplexes, fourplexes, and small apartments. In 1977 the two brothers split to father was a builder. Up to 1977 he worked with his brother forming the company Better Built Homes, building the owner, while a dwelling for the user, and one unit of six held within three buildings that share a common This project holds its beginnings in my father's work. From the mid 1960's until his death in 1993, my

in reality as the design is put into practice at the completion of this work. becomes the source for design interventions. That is the goal of this project, which will serve as an experiment owner? Defining the roles of these players and their relationships with the architecture that brings them together

within an ongoing experience of architecture. The project is an interaction. put to test, for those who participate with the work as users, as well as those acting in the capacity of owner the world which will act amongst the things and people of the world. As a project in reality, the design will be within the profession. The project straddles this line, being within several shelters, yet becoming a work within masters degree project as a place between strictly paper educational architecture and the breadth of thought History, cost, time, scope, etc., are all participants throughout this process, contributing to the moment of the As an interaction with reality, the project also deals with problems, and potentials within that field.

Acknowledgements

deavours of this work. (Dorothy Mitsch). Each, in their own way, has aided my thinking on architecture and provided trust in my en-I would like to extend thanks to my advisors, (Marc Boutin and Dr. Alan Smart), as well as my mother,

work will determine the evolution of its life. I would also like to acknowledge the tenants, present and still to come, whose participation with the

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Introduction

9

problematic behavior. domineering over them, as it is reality. The tenant is not lulled into a false sense of ownership, a potential for presence within the space as a reminder of the reality of the situation. This is in fairness to the tenant rather than defines the space, the potential for realization of this is provided. It is a necessity for the owner to maintain a presence within the architecture. With a knowledge of the situation finding a presence in the physical matter that tenant, the architecture remains the property of the owner. The framework of this interaction should then hold physical matter which provides this place. Returning to the beginning, I propose that the relationship between necessity. It could be a point between places, or considered to be home. In either case, the architecture is the operate in a well-oiled manner, maintaining itself for ongoing use. In the eyes of the tenant, the space is a based in function, held by an architecture that is a mechanism for generating income. In light of this, it must two bodies, each with their own interests in the space that brings them together. For the owner, the space is between an owner and a tenant. Architecture is the meeting place for these participants. It is a relationship with the participants is one which requires ongoing realization. Whatever the level of living that is desired by the Revealing architecture. This is the beginning within a project whose aim is to engage the relationship

offers no potential for the experiment to move into action. Also, the project is based in a physical reality. It is a provide a voice for project depth, a necessity when dealing with something built in the real world and trying to propose a design, thoroughly thought through and researched, but the unknowns hidden beneath drywall may and dealing with the anatomy of the real will form an essential part of the design process. It is one thing to design interaction with history, building on and through an existing framework. Therefore, the project detailing based in a desire to evolve the relationship between the players. If remaining on paper as a theoretical model, it further its existence through its foundation or reality. building and living, for landlord and tenants. This project is an enrichment and explanation of the situation A second part to this project is the act of construction in reality. The encounter is based in a history of

stability within this discussion of the roles of the parties involved. Precedents will then be examined which deal flexibility, as an idea, may inform its place within this relationship. Flexibility is introduced as a counterpoint to The project will begin with a discussion focusing on the condition of the owner and tenant, and how

with the concept of flexibility/ adaptability in architecture; the potentials of architecture holding levels of design interaction, on one scale by the architect and on another at the day to day level of the occupant. Drawing on this information, the design process will develop the architectural parts, and the process of putting the project into reality will be laid out.

Chapter One, (roles).

realization that purpose determines evaluation along with type of perspective employed by any individual.² shift occurred with the residents and their ability to change perspectives. Through these interviews comes the conceptions about daily living were brought into light, then the move followed suit with residents. The same that they would choose for living if they moved to the city. Once this role reversal was in their minds, and their attitudes based on the same qualities being established, the interviews went on to question tourists on the areas reasoning for identifying a place in the opposite way, those places of "interest" holding shady characters and and somewhat eccentric, and bad when it was sedate. In the eyes of the resident, those same qualities were the good or bad were reversed. That is, in the eyes of a tourist a place was good when it was bustling with activity inactive. Residents of the city described the same places in the same terms, however the qualities of being described certain areas that they had seen as good for interest and excitement, and others as quiet and dull or comes when interviews within the cited text revealed that tourists, when questioned about a visited city, of a particular home place and tourist within a foreign experience. Acknowledgment of varied perspective one's own mind is a possibility, as all people can understand the concept of insider and outsider, or, as citizen The psychology of perception, as addressed in the text, "Design In Familiar Places", reveals that a shift within the calm of the other neighbourhoods being desirable for privacy in day to day living. With this reversal of To begin with I will address the problem of discussing two sides of an issue from my own perspective

potentials for varied perceptions of space of tourist and resident, words that are of certain use when discussing the roles of tenant and owner and the The text information cited above, used as a factual backing, was also the source for the terminology

perspective of an outsider, and the provision for a greater consciousness of the architecture are goals within this activated. As time passes and familiarity builds, a residential perspective opens and the architecture becomes a occupy with the eyes of an outsider or tourist. In this way, the initial potentials of a place are searched for and change in perspective through the occupation of a space. The tenant begins a relationship with the space they project. An architecture that interacts consciously and subconsciously to reassert a continuous realization of the backdrop in the subconscious while experiencing the tasks of living within. The ease of potential to revisit the This shift of perception holds a place within the role of the tenant when determining their likelihood for

space

an initial experience, an ongoing experience, an experience in memory, a renewal of experience experience is removed, yet as an authority figure, (who receives complaints and other information about tenants of those who are experiencing the situation from their position alone. As a non resident, or outsider, physical situations by the collective information of varied multiple opinions rather than as being within one of the roles by/invitation for a chat. In this way, the owner becomes a tourist, the details of living with a community occurs only periodically, with rent collection, repairs, maintenance, refinishing between tenants, or dropping characteristics and the realities of living in that place in particular are passing. Visitation into the situation through multiple perspectives, the experience of stability as an idea bound to the property; and from the tenant: from other tenants), a level of insight is gained. This complexity is continuous: unknown experience, experience into the situation from their own perspectives. In this way, the owner is, at times, perhaps more aware of living known at a level removed from daily experience, but somewhat revealed by each tenant as they offer insight knowledge of the building itself and of the tenants as they come and go. However, the experience of its spatial the mind of the landlord, the property is conceptually residential, with a familiarity built through the ongoing The relationship of the rental property to the owner can be discussed in a similar way. As a constant in

rules that follow this division of a space into the hands of two distinct parties interaction, and creative thought and action. The owner/ user relationship frames the interaction as there are to this, and the manner in which it occurs reveals the dwelling, so there is an education through investigation, Individuals live within the world, not merely occupy its space. Interaction with one's dwelling speaks

at a design level through the guise of owner. The design at this stage is an action of their role. An engagement such interaction. In this setting, the architecture in existence offers its realities to the designer, who participates knowledge of its reality as well as the physical touch between the user and the built form. An intimate which is not possible by the tenant, but which will leave the framework for their participation and investigation has developed. It is an important beginning, but is just that. The exploration at a design level must come through knowledge of this type of interaction is then a necessary part of the design of such an interaction. To postulate a theory about participating with a space through its form does not mean that an understanding of this physical act Also, the idea of users interacting with the architecture they inhabit is about learning and gaining

on another level.

then are the guidelines that establish the rules that govern these types of interaction? So the role of owner and of tenant hold means of interaction with the built form at certain levels. What

is a mere occupation of the unit. In the second there is a lack of either respect or understanding of the rules. others may pound nails into window frames and allow their dogs to scratch up doors. In the first instance there by different people. Some may maintain the unit at an impeccable level and remain tenants for several years, tenants, with the refurbishing of flooring and other major pieces such as the roof occurring at times fewer and of quality in its surfacing and finish. It is typical maintenance for a cleaning and fresh layer of paint between purpose it must hold a level of permanence, require minimal servicing and have the ability to retain a level presence of the owner, the physical matter that exists for use as a tool for generating income. To serve such limited in cost for repair. From experience, there seems to be a tendency to use rental buildings in different ways far between. It is also advantageous that the architecture hold a level of simplicity so that damage may be With this in mind the rules and the way that the building provides for interaction by the user become necessities Certain parallels can be used to describe the identities of the owner and tenant. The architecture is the

presence of the truth of the matter of the architecture and its purpose for the owner. This leads to the role of the more concern with comfort and cost than the idea of sustaining a monument. Their participation is within this the world supports the function of the building as a tool and sustains the idea of stability. The renter may have whose family in this case has been the owner since that time. A preservation and continuation of the building in framework and the presence of this stability should let itself be known to the user for a greater understanding or A primary parallel for the role of the owner is stability. The building itself is a monument to its builder,

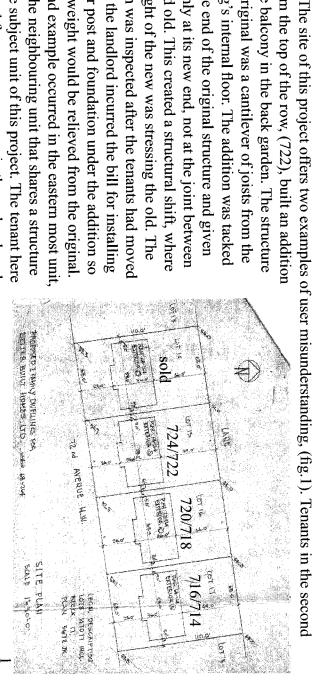
through which participants live and interact. Its entirety remains although parts within may change. Its being not occur by the hand of the user, but may be by the owner. The stability's are a conceptual earth and universe correspond with the ideas of stability and variability. The stable is something through which interaction can while the building and its purpose remain. The architecture may then hold two distinct levels of being which Within a framework of stability, the user is a variable. They come and go on their schedules of need

and rules are bound within its levels of stability and change

Why can't I punch a hole through this wall?

back to the owner of that space, do not exist in a tactile, everyday way. They may reside on paper and at a to exist. For a renter, conceptually, this means that the rules of the space that they occupy, and the relationship a cover of layers. The rules are hidden, therefore their presence is unknown, therefore no rules are perceived Otherwise, the stable may be chipped and cracked into destruction through a thousand holes parties. There are, however, rules, and they are a requirement to be followed for the preservation of the stable. level of common knowledge, but they have left the arena that is the reason for the interaction between the two through lines initially governed by a set of rules, but then following a direction that hides this structure within This question may easily arise within a typical wood frame house, dry-walled over and defining spaces

a proper post and foundation under the addition so out and the landlord incurred the bill for installing new and old. This created a structural shift, where building's internal floor. The addition was tacked of the original was a cantilever of joists from the onto the balcony in the back garden. The structure with the subject unit of this project. The tenant here that its weight would be relieved from the original addition was inspected after the tenants had moved posts only at its new end, not at the joint between on to the end of the original structure and given unit from the top of the row, (722), built an addition A second example occurred in the eastern most unit the weight of the new was stressing the old. The felt a need for more open space in the undeveloped (714), the neighbouring unit that shares a structure



of the building, and so was content with such a renovation! The tenant in this case was a carpenter who evidently felt that he had a know how of the structural requirements up into a level position and another column was purchased and put in place, again at the expense of the owner. baseboard surrounding the corner of a wall that sits above the column's place. To fix this, the beam was jacked painting needs. At this point the basement discovery was made along with a sighting of a gap beneath the action was unknown by the owner until after the tenant moved out and the building was being inspected for concrete floor, detaching the top from the central beam of the unit, and laying the remains against a wall. This basement, so he removed a telepost structural column by hacksawing the bottom from its security within the

with the landlord. When actions occur behind the back then problems tend to arise 714, who have asked if we, (the landlord), can bring in additional soil so they can develop a garden space. The tenants and value for ongoing rental. Another example can be seen in recent conversations with the tenants at tenants added a basement washroom, (with landlord approval), which has created greater building use for key difference between positive and negative actions by tenants with the places they inhabit lies in discussion Positive engagements with the building and land have also occurred within this series of units. At 718,

pieces within the framework of the building as well as a heightening of the presence of light as a conceptual architecture that can be considered untouchable due to their requirements for the preservation of the structure, upon it. These speak to place; to Calgary, Alberta, Canada, North America, as well as to person on land, and climate. All basic and all meaningful for determining our relationship with the earth and our evolution of architecture. There are constants in the world with which architecture interacts. The ground, the sky, light conceptual figure, being a constant in the relationship. Variables are seen in respective forms to the stability's as through this project. The variable is sought through parallels at a physical and conceptual level, i.e. moveable piping and heating ducts. This has its parallel within the idea of variable, which will be explored and defined i.e. enclosure walls, bearing walls, columns, beams, and roof, as well as service pieces within, such as plumbing beneath sky, within a universe. Physical representatives of the role of owner can be found in certain parts of the light passing over the land and built form, the missing architectural variable, and the tenant as an ever-changing variable. Stability's are seen in the land, the built form as a whole within and upon the land, and the owner, as a The idea of the stable and the variable can also be related to certain other participants within the field

of this level that insures a continuation along a stable line of existence, either as planet or as rental building. that is different than before. If this occurs, then the idea of stability within this level is lost. It is the maintenance this level of stability, or the rules, can lead to a significant redefinition of that level, or change it into something to those parts that make up the rules of the architecture. It can be presupposed that extensive interactions with through human means can be seen to hold a similarity to the way in which a building may experience alteration its surface by human or any other physical means. In light of this, the interactions with the land that do occur and greater relationship to other such bodies within the solar system more so than the actions occurring on of architecture being only a fraction of a larger whole whose stability is governed by its internal functions of physical and technical effort. However, it remains as a mass, those parts occupied by any individual or work its surface. It is a solid to varying degrees, and can be manipulated in varying ways by large and small amounts To expand on these points, land is regarded as a presence of stability as it relates to our occupation of

and the purpose for which it was made. is also what brings life to the world, and it is the role of the user that brings life to the space of the architecture through its use, as the gravel is moved around a low slope roof from the action of H2O in various guises). Light wear and tear that will occur through the use of a building, (the finish on a door around the knob being worn known, acting through its various forms to create marks within the land. This force may be aligned with the participating with the land and those things built on and into it, while water is a force that will have its presence the ever-changing filtration between the land and the sun provided by the gases and vapours of the atmosphere continually shifting and varied experience to those who perceive it below. No two days are exactly alike due to land and of the corresponding level of architecture. In this comparison, light may hold the role of variable Water is the major player in this filtration role and can also be seen as a factor working on the stability of the In relation to the land comes the presence of light. Its passing over the surface of the land is

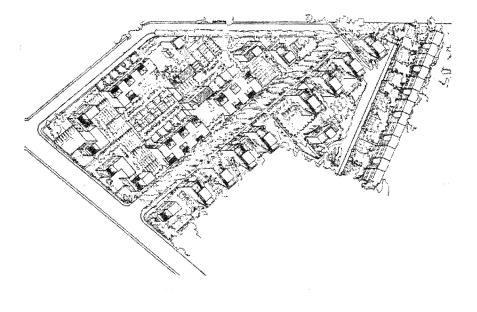
species and their attempts to make space suitable to their purpose. In the way they create, using found materials variations. Architecture is pushed and upheld by climate, in that it creates the need. This is found through all A relationship between person and place through architecture is a constant reminder of the world and its stems from this along with human requirements. Buildings allow for our life globally rather than equatorally. Climate around the earth is the initial determining factor for architecture. The need to build shelter

variables guide levels of interaction, each setting out a structure for interpretation and adjustment by the owner by the user without prescribed plans, either physical or cultural. In the situation of this project, stabilities and may be and an equation for building was followed. Mud brick and thatch, teepee, etc., any space made by hand worked this way as well until a standard had been given a place within cultural acceptance of what a dwelling definer. In this way the space they make suits each particular form in proportion with their body and needs) needs because its body dictates and defines the space. Bird nest, bee hive, etc., all use the body as a space is formed from surrounding materials through a natural form, (i.e. a gopher burrow suits its proportion and and shaping through themselves, other creatures' dwellings hold a relationship with nature in that the dwelling interactive with material to create space within human architecture; formulative traditional methods may have divided into two manners of control. The shanty town may be the last remaining vestige of being individually This project is a search for a corresponding user manipulation within the stabilities of the situation of place,

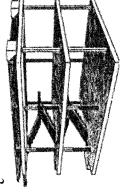
both parties and their roles. inhabit. The idea occurs in forms both designed for such purpose, as well as claimed by the users of built form. A spectrum is offered to illustrate the eventual design position taken in this project as it relates to the interests of flexibility leading to adaptability as a means for involving the user of a space with the architecture that they within the physical architecture; variability in architecture found through the idea of adaptation through flexibility. This concept will be discussed through an investigation of precedents that deal with the idea of I now turn to this missing piece within the parallels established above. The counterpoint to a stability Chapter Two, (precedent cases).

Precedent one, (foundation)

to the needs of the time for quickly, efficiently, and economically a two-storied, detached type with access to a second-floor terrace with access to a third-floor roof garden via an outside staircase, to arcades, to semi detached at ground-, first-, and second-floor levels type, to one with arcades and terraces at ground level beneath the sway over. The buildings vary from a two-storied, terraced house to be a force that the completion of the project would hold little of columns to free the space within as well as the facades, fig. as the provision of light, air, and well-designed space, and the contemporary times.3 These values were defined by LeCorbusier built homes that would be lasting and hold the values of their via an outside staircase once again. It was a creation in reaction that followed through their adaptation by owners and renters seems Although just 51 of the planned 200 units were built, the results village at Pessac in the Bordeaux region of France, (fig.2). by LeCorbusier under the patronage of M. Fruges for a workers arrangement of buildings and the use of colour working together Contemporary ideas of art were also brought into play, through the these visionary principles and supported the effort throughout. in an expeditious time frame. M. Fruges was in agreement with technologies of the time), were to ensure solidity and presence to ino, (a concrete slab construction supported by a minimal quantity resultant forms explored his architectural ideas based on the domthe new vision of architecture, finding a place within the world 3). The use of concrete and machines, (seen as the progressive The Quartiers Modernes Fruges is an early work designed



2

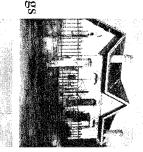


to define the realities of the units in themselves along with each other as a conceptual whole.⁴ This was done by painting the exteriors of the complex with the colours horizon blue, golden yellow, jade green, off white and maroon, so that the architectural elements served the idea of units being linked within a single construct. The community is a unified work with its forms holding place over the actual division of space within.

to produce a whole. a form of planning within the community, which builds on the idea that all parts of the work are acting in unisor be private due to the occurrence of those activities during the same time periods. In this way, the architecture is while its neighbours' is to the north, and so on with all interior functions, so that the activities of each day will and psychological separation between neighbours. What this means is that the kitchen of one unit is to the south and the reversal of space usage within the buildings from unit to unit provides an additional level of physical that allowed for an opening of interior volume. The walls are used in plan to increase privacy between units, Reinforced concrete walls, ceilings, and roofs were the structural keys

strength throughout the continuing development of the housing and the requirement of those services, but the mood of reaction remained an element of community into the city utilities. This was overcome due to the occupation of the buildings are featured throughout. Protest was first sent by city hall with the refusal to link the appearance, especially so for the flat, occupiable roof tops, and the covered terraces that manner of foreign buildings, (Moroccan being the typical reference),⁵ due to the outer reaction of the region was against the work on a formal level, with comparisons to all These ideas were set in place with an inauguration on June 13, 1926. The initial

of adding on to an existing house by attaching a smaller structure on an outer wall, often the the darkening of interior rooms, with windows being set out beyond there designed means back or a side, anywhere additional interior space is desired. This act can, however, lead to needs, the Bordeaux region holds a tradition of lean-to construction, (fig.4). This is the act Further to the idea of owners defining their buildings as they wish and to their

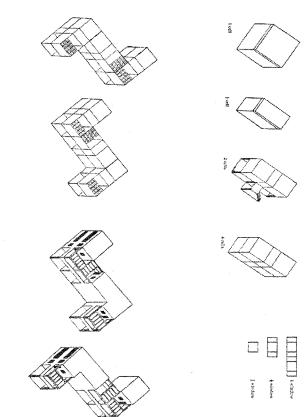


4

was to be a new potential for the exploration of this tradition. building the area by building on to their dwellings. The community designed by LeCorbusier and M. Fruges It is a regional culture of adjusting your interior spatial needs for yourself. It is the act of individual owners

opportunity to adjust their spaces to their open facade that the structure provided working with the freedoms of space and the ideas of living in a variety of ways. Using a system of proportions that related each part with the next, and take standardized elements and, through the careful thinking and planning of the architect, arrange them to suit designed variation within this unity. This was also part of machine construction practices and the ability to and quarter unit. Through this sharing of proportions, the community was again unified, while LeCorbusier something that can be built upon to give each unit a personality and function reflective of the owner, (fig.5). liking with a great freedom. the residents at Pessac were given the All structures are proportioned from a common base, that of 5m x 5m in plan, to be combined with a split unit The alterations that occurred and continue to occur use the foundation laid by the architect as

The residents of the Quartiers Modernes Fruges took what was given for their occupancy. The alterations that occurred can be viewed as reactions to an "outsider architecture", one perceived as foreign, from an existing external culture, or as the new international, which is of an aesthetic that does not belong to any culture in particular. A home must have a relation with the user. If it is perceived as foreign, then it is not your own, and either modifications will occur to change

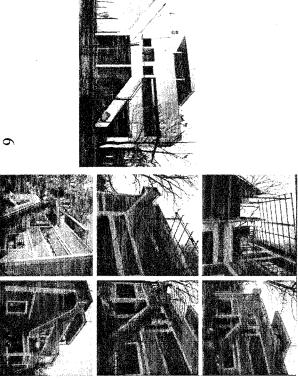


S

what's good about it."10 difficulties that are present in the situation, "....its good...and its not good at one and the same time...and that's region. The users demonstrated in their own words an understanding of the potentials offered along with the from tradition, as well as being a continuation of interacting with one's dwelling built into the culture of the on superficial terms at one level, as an act against the new aesthetic and its foreign nature, or perceived break with nature and the human form, (the golden section), but reaction came nonetheless. This reaction was based theoretical stance based in the modernist desire for fundamentals, (air, light, and space), and numerical relations that, or the occupancy will evaporate. LeCorbusier designed Pessac with the greatest of intentions, using his

from before the war. Pessac holds a level of modernism as a whole. The public was overwhelmed by the shift and reverted into the known and memory in bringing new spatial potentials into public perception. Any perceived failure is the failure of imposed of LeCorbusier, however, sustains itself as an armature for further interaction by occupants, and succeeds later. Visual, symbolic history was lost, destroyed by war and replaced by a universal model. The architecture The transformation of Pessac anticipated the desire of the post-modern reaction that occurred thirty years

order, possibly imposing, but which is the key that provides the framework for the residents and their ideas. It is not a continuous concrete mass, but rather a production based in standardized elements and proportions, maneuvered for varied creations by the author architect, yet providing for the authorship of the owner as well. An illustration of this can be found in the external stair and landing that create a portico space or patio outside the kitchen of one unit type, (fig.6). The completion of the enclosure changes certain fundamental ideas, (the internal and external blurring of boundaries, effects of light, air and space, etc.). The user, thinking they can gain extra space by enclosing it creates the traditional,

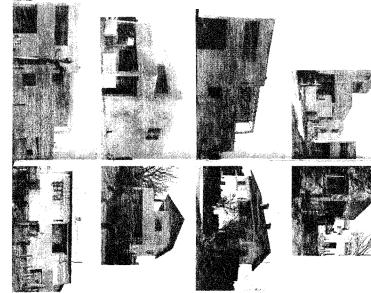


displays a thinking tendency towards traditional values (a clear boundary of interior versus exterior, with space being enclosed seemingly having a greater value). 11 This

stability which upholds the wishes of those who dwell and work elements were applied. LeCorbusier provided an initial stability. were in-filled and re-sized, and moldings and other decorative work on. Therefore, additive measures are the only means of renovation, and the provision of in-between spaces or punching through walls, floors, ceilings, the housing superstructure/ entire structure becomes something to not easily reworked. It is a strong permanent. The use of this for the housing project ensures its durability and within this armature leads traditional vision to certain conclusions, (fig.7). Areas of space originally open were in-filled, windows leads to a certain type of interaction, i.e., in-fill. As a mass framework that holds difficulties when removing His authorship is found in the original design as well as within the The materiality within Pessac holds importance when discussing flexibility. Reinforced concrete is

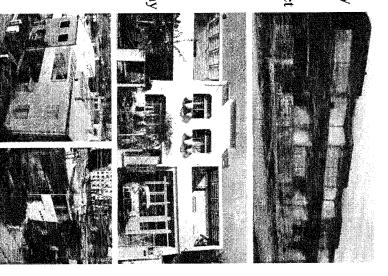
Through the types of reworking that occur at Pessac, the idea of fondness towards memory is established rather than an acceptance of reality and its potentials.

The architectural laboratory. This term was coined by the patron, M. Fruges. His conception was of the site as a testing ground for the application of those same technologies of mass production, through the speed and accuracy of machines, that was so efficient in war, to be used as creative means for a settlement evoking the clean air values of post war life. ¹² A utopia born out of destruction. The community is a social experiment in that it brought out the mood of the populace. It is architecture designed by one source for the use of another group. In this way it is about an imposed ideology interacting, and here losing, to the public of the region. When designing for an unknown, the potential for



alteration by users must be factored in. This provides for the inevitable users who could not have been predicted and are offered the opportunity to adapt the architecture to themselves rather than the inverse.¹³ At Pessac, the architecture has provided for such bending to public will, whether this was the point of the design or not, and therefore this project is an example for the potentials in user flexibility at a built scale. The circumstance of ownership provides for this.

In my opinion, the living habits of a person are not necessarily governed by their habitat. An architecture may set up certain circumstances and potentials, but the user is not a neutral factor in the evolution of the home. If raised within one habitat then a familiarity may become part of that individual and a way of living unified between user and space may occur. Since the architecture of the Quartiers Modernes Fruges was revolutionary, it is understandable that the buildings have had to bend to the users' will. This does not mean that the project is any less successful as a proposal for a way of living with architecture. It simply means that the potential has been put into the world for experience, and its levels of embeddedness within our common consciousness will develop familiarity over time.



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Cultural perception plays a guaranteed role within architecture;

check-ups for repairs, yet enjoyed the ability to be up there. 14 The users are all individuals, with varied thoughts being a custom of the Bordeaux region). This is contrasted by another who only used the same space for annual who freely spoke of his use of the roof-top terrace as a dining and summer sleeping space, (the latter point "...he had not been rich enough to buy a house with a proper roof." This is a statement from an interviewee the result, (fig.8). lifestyles, and tastes, yet all were offered the same living potentials en mass. Identity crisis and its resolution are

The roof as a sign of shelter and traditional familiarity may allude to a psychological comfort. The

adds to the response against the modern by a public front. the world. LeCorbusier's architecture, offering the world through the architecture, is a fundamental shift and from past views; views holding power when thinking of a dwelling within the world; a place of protection from for view, light, and air, means that a new psychology is brought out; one of values shifted ideologically away removal of this architectural piece and replacement by the benefit of space and elevated surface under the sky

image just being strange. 15 The facades now hold colours that are particular to individual units as well. particular type of alteration were also of a range, from complaints about heat, to maintenance and repair, to the structural party wall to the next, so that a traditional size is found, to retaining the original. Reasons for this wished to portray. This ranged from filling in the original window space that spans the entire facade from one to claim and/or divide space is common, as is the alteration of facades to suit the image that each household Residents of Pessac display interaction with their dwellings at a variety of levels. The idea of in-filling

Terrace spaces have been enclosed, roofed over in a traditional manner, or left alone

space into several smaller rooms for their own reasons too large and without a proper hallway, so they put up a dividing wall. 16 Others divided the ample single living The interiors of many units have been rearranged several times over. Some owners thought the space

a marriage of the origin of ideas with the lives of ongoing users. the counterpoint to the workings of the residents within this superstructure. Thus, the evolution of the project is the architect and patron. The level of permanence offered by the basic parts of the structure of the buildings is community through the ideals and endeavors of those who live there all occurs through the order put in place by spaces and finishes. They have sometimes been reworked to resemble the original design. This evolution of a Rooms have been rearranged throughout Pessac in all manner of ways, as have facades and exterior

Precedent two, (encouragement)

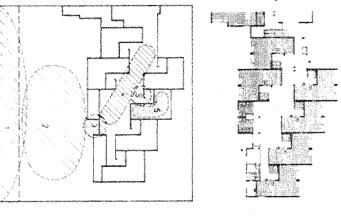
architecture, and as this occurs in a communal way, the relationships between individuals, architecture, and each qualitative means. They are not about flexibility so much as being about the invitation of the individual into the of a front porch to that of a city. Both works are about how architecture elicits response through spatial and society in particular, 18 but of importance to all people and a way of living through architecture from the scale of the Dutch people as a foundation that leads his work naturally through the way of living built-in to that both works Hertzberger lays out his proposals for living spaces with a reference to the cultural consciousness technical owner or not), who have cause and opportunity to claim possession and/or responsibility of a space. 17 with ideas on private and public relationships and the concept of ownership as it relates to the users, (whether architecture is bound to the variance of potentials that architecture can provide to varying users. This is united other facilitating a way of living. The first example project is Montessori School, in Delft, the second is the Diagoon Dwellings, also in Delft. In Two projects by Herman Hertzberger will be discussed in this section. As a broad opening statement, his

Project one, (Montessori School)

a development of public and private domains that reflects the order and situation of a traditional Dutch city. education and interaction level. The building is designed as a city, meaning that spatial organization follows with the threshold between places being the place for user relationships between the public and private. So structural function to develop the concept of hierarchy), for a specific program, but built into this, throughout decisions of the citizens and their definition and use of space. Developing an architecture along this line means too, Hertzberger asserts that cities should be viewed and designed as buildings, so that they may develop as the whole, is the potential for user definition. The building holds streets and structures, each defining the other, that a hierarchy of spaces is laid out in a certain way by the architect, (Hertzberger allowing for the honesty of realms within a city develop the life of the city as a whole, where each is invited into the other through the This point is of importance for Hertzberger's work in general. He feels that the play between public and private Montessori School is a primary level education facility serving children at the beginnings of their public

through the centre of the building between the classrooms, (fig.9). akin to a typical pedestrian or traditional European street.21 This space moves useful for other activities. This added dimension provides the space necessary for stopping without halting the at benches or cafes, while leading to plazas for larger group gatherings and ceremony). To accomplish this the gathering place as would occur along a city street,20 (streets having space for movement and casual interaction school follows this route. Organization is along corridors, or public streets, that provide both circulation and a complex whole of spatial organization, shifting from public to private through threshold.¹⁹ The plan of the function of movement, and changes the perception of the space as a mere people mover into something more hallways were widened slightly so that the minimum circulation requirements could give way to space that is

space. To this Hertzberger states, "...as if they have them at their home too.").22 authorities who required separate boys and girls toilets, adding undue cost and situated along the school hall, communal street. This analogy brings out the of their own, which they maintain, and ideas of personal space and responsibility duties in daily house-keeping activities. Students are invited to bring in a plant to the hand of the user so that responsibility for the whole comes through what other; where responsibility, found in keeping either place in good repair and The architect sees the association between home place at school, and home their behind each unit having its own toilet. (This was acted against by educational part of the user experience. Each room has its own cloak room as opposed to is included within each unit as possible so that the idea of responsibility becomes the necessary consent of the Montessori programme, that calls for partial student the individual has done to the space to lay a claim to it. This idea of opening up itself, as the built form invites it. This develops by the architecture offering itself holding care for it, is drawn out of the user relationship with the architecture house, as something that will transfer response from each environment to the pegs in the hall, and although not in place, Hertzberger held the same intent ideas and associations with understandable public and private realms. As much the building to the user rather than fitting them into its mold is accompanied by The conception for the classrooms is of autonomous units, or homes



the relationship of self to whole. within through daily lessons builds the idea of responsibility, knowledge of public and private organization, and cupboards afterwards. Actions within the space and interaction with the architecture and individual pieces are brought into activity by the use of special rugs that are brought out for activities and replaced in open

and their rights within. maintain it so that an external cleaning staff does not work against the idea of a sanctuary for the individuals of insulation must be in place if multi-functional spaces are to be put to task. It is better that the users of a space knowledge that such a place will be respected is an essential part of the children's' experience, so a certain level having such a place one may loose an understanding of where they stand in the world. Security in the of and by the individual as a reference place for interaction with people, places, and things beyond. Without Hertzberger also talks of an individual need for a "home-base" or "nest", 23 as a place for the individual

task to the hands of the users allows for the relationship of individuals to the communal to adjust along lines juncture that each realm may infiltrate into the other depending upon the treatment of that place. Giving this The idea of threshold between the public and private spaces is the place that Hertzberger exploits as a

require a bond with the situation. In Montessori school, each autonomous classroom enters into the communal street through a series of opportunities and spaces. Display cases are present within the division wall between classroom and hall so that the individualism of those within may hold presence within the public realm in a tangible way, (fig.10). Siting the case in-between is a function for the wall but more importantly is about the private invitation into engagement with the public through either a dissolving or reinforcing of that boundary between. It is not a window into the classroom space, nor is it a cabinet within the middle of the hall, so its



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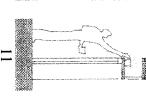
personal property? makes all the difference for the perception of ownership. Where is the line, and which side can be considered as and action or the assertion of the class to take a move into the hall. The simple placement of a plane of glass side offers interaction by users of that space, while a shelf open to the hall requires either collective thinking towards the hall. Even though the school is a collective of spaces and function, the use of the shelf on the class claim ownership, the students of the classroom, as it is the doorway that belongs to the room with a public face maintain a function for light transmission as the shelf back is glass. The shelf opens towards those who can hall, (fig.11). It is a potential to participate through the act of addition, but does not require any interaction to of this use of the threshold of the wall is in a built-in shelf located above the door between classroom and positioning is reflective of a particular idea about the nature of public/ private relationships. Another example

cohesion.".24 inhabitants in everyday situations,...the spatial organization may serve to stimulate social interaction and "....the street space is formed in such a way that it can serve as a catalyzing agent between the local

the student, and the sharing of this private space into the With the autonomous class building, a conscience of responsibility and ownership develops within

the student, and the sharing of this private space into the communal hall, by all classrooms in their own way, to the student body, provides an initiation into societal living. Personal place and public presence develop through the architecture that provides for this through its interaction. Hertzberger uses the weaving analogy of a warp and weft to discuss the relationship between the architecture and those who inhabit the space. The warp acts as a basic ordering system with strength, yet subdued, while the weft holds presence as the life and colour. Together they fuse into an, "indivisible whole, the one cannot exist without the other, they give each other their purpose." The threshold of the classroom units also moves into the space of the communal street



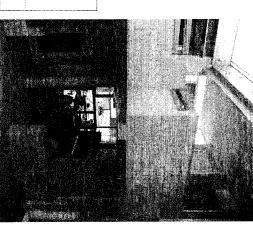


passage, provided by a half split door that offers the same physical height and separation between the defined wall containing seating, work surface, and lighting, and an inclusion into the interior space of the class by a of, (fig.12). The association of this space with the classroom is developed through both enclosure, by a half-The classrooms reach into the hall as a front porch on a house may reach into the street space it is a part

room and this space as to the defined hallway. In this way, students participating in the threshold space hold a link to the home base of the classroom while participating with the space of the public street. The psychology of the space as an inbetween area builds the students' understanding and comfort of traversing this line of separation from private to public, by offering both simultaneously so that familiarity and connection with one space and situation may lead to a comfort with the other. It is not a simple case of being included in one place and shut out from another. Each area inflects on the other through the space of the threshold. The communal street of the hall extends invitation for use through a system that can be engaged by the students themselves.

The communal street offers two distinct opportunities to students for an engagement with the space of the hall through interaction with architectural parts. Firstly, a brick podium block sits at the centre of the hall street as an "inescapable presence", 26 with its stability found through mass and construction, (figs. 9 and 13). Large enough to serve multiple functions, (a seat for several people, a low table, a podium for display, a stand for a speaker), for use in multiple situations, (class work divided into groups, class room intermittent space, and centre hall), all within the comfortable distance for individuality of groups yet not lost from their





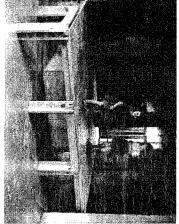


"residence" and assembled learning family. "The block becomes a "touchstone", and contributes to the articulation of the space in such a way that the range of possibilities of usage increases." The block is expandable by six in size through wooden sections kept within the block for a larger stage platform for class seating and working surface. This large setting, and all stages in-between, can be assembled by the students themselves, so that the platform can function for student use during break periods while adding construction technique, investigation, and sense of achievement to the curriculum by inducing response through creative results of play rather than instructional methods.

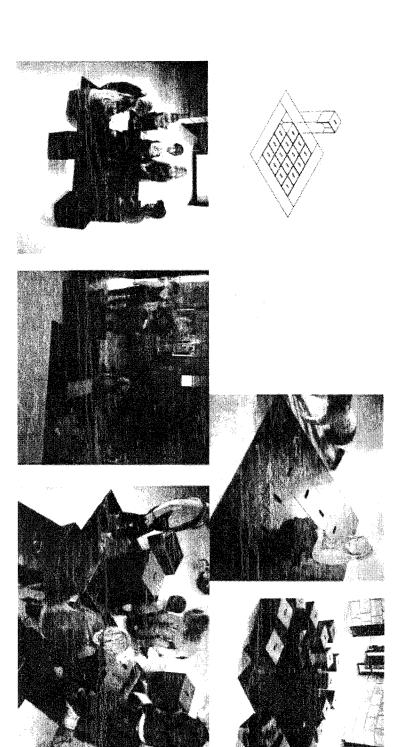
potential of life by the users within the whole, given a position by the architect, but a limitless occupying a larger shared area. Both create a sense of something special a larger realm, a place that can be engaged and focused upon while as the platform is an island. 28 Both are forms of singular place within this situation in particular as a lake in the landscape of architecture, towards a way of experiencing the world beyond. Hertzberger describes comfort in this sort of situation. The experience of education is leading accomplished within the public street, leading to the experience of positive and negative parts of the seating place, a sense of privacy is and raised enclosure formed by the seats and the students using them. defined gathering place through the combination of the lowered centre themselves. The whole is of a scale suited to the users, and creates a cubes, each being a seat to be removed and positioned by the students set into the floor of the hall, (fig.14). The sunken square holds sixteen In this way, through the circle of children facing each other using the The kindergarten area continues this philosophy with a space

A third example of student freedom to interact with space and

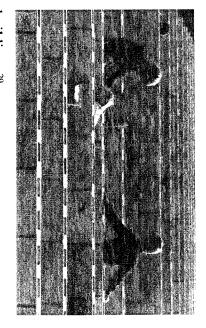








builds a notion of spontaneous interaction with place in a casual way later on in life. This contains Hertzberger's they are enacted at points in time through the general experience of the building and student lessons, which also the scale and use of the particular children of intention, who gain the potential to create and interact as a group stabilize poles for the creation of tents and other structures. This example, along with the two above, is fitted to on varied roles, from seating, to work surface, to planters, to additional play spaces. They also provide points to The blocks aren't capped, so that smaller vessels can be found within the make-up of the whole. These can take spaces defined by low cinder block walls offer layouts for sand pits and gardens for the children's use, (fig. 15). built form is found beyond the enclosure of the school in the landscape that sits behind it. Here, a variety of ideals for all individuals to interact with public space through their lives within the community of the city and through the experience of their learning environment. The interactions are also all occasional, meaning that

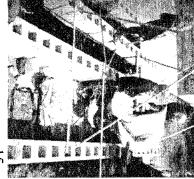




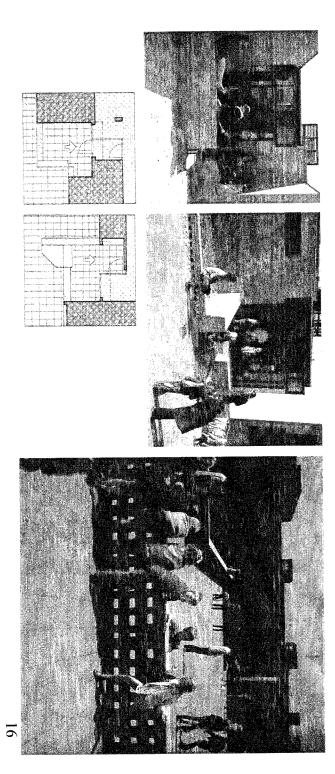
buildings.²⁹

gains a life beyond its function. Hertzberger has three elements that are desirable association while waiting for their children after school. In this way the place it acts as a drop off with the child entering on their own and as a place for adult spot for those leaving later than most. It becomes a place to hang out. For parents arriving early have a place for association with each other. It acts similarly as a place for common activities that act alongside the function of the space. Students rather than as a portal between two defined spaces, (fig. 16). This activates the surroundings as well. The entrance space is viewed as a place for before and after for this type of space. An essential is a partial wall at a height to define the space The idea of threshold is dealt with between the building whole and the





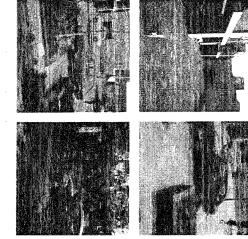
shelter, and best if given a roof to add to the level of comfort for occupation. The entrance at Montessori appropriation and life rather than as a permeable spot along a line of division between public and private School originally lacked just the roof, but as a result of a conversion in 1981, the space no longer exists at all.³⁰ along with being approachable as a seating surface. It is better still if the space is sited in a corner to provide The idea remains, however, that through the manipulation of these parts the place becomes a space for user

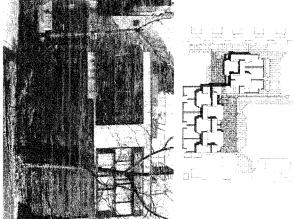


Project two, (Diagoon Dwellings)

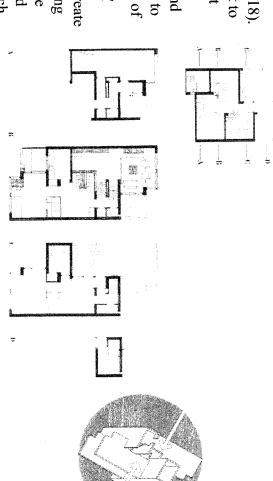
a communal fashion. This occurs to lesser or greater extents set out by individuals, and builds an education of the area. Although each resident has purchased a part of this paved landscape with the ownership of their space as they choose to engage it, each in their own way. All is presented as public within this surrounding surrounding area by creating a public zone that flows around and about the land for the housing complex and home, it is left up to their hands to alter it from the public into the private. This idea of claiming territory within realm through the use of continuous paving that follows suit with the local concrete tiles that cover the streets throughout amongst the buildings, (fig.17). This move calls the inhabitants into action with the surrounding that relate to the users in a new way. The Diagoon Dwellings begin a relationship between themselves and the of responsibility for place, community, and city through an encouragement to take part in it and develop the public is brought into use following Hertzberger's beliefs on the need for people to occupy the world in A second project by Hertzberger illustrates a continuation of the ideals set out at Montessori but in ways that the community develops through its life. particular to each person and contributing to a complexity of experience showing presence in the world beyond their private realms, in ways own worlds of their choosing and leaving the outside to its own devices popular conscience for a closed society of individuals held up within their patios, etc. . If the space remained unaltered it would speak of a certain designed in particular places, nor are front paths, parking stalls, gardens as a paved landscape is also part of the design to engage. No trees are people into action with their community. The stark appearance of the area rather than as a series of private spaces is a profound method for leading housing project as a whole is grounded upon an encompassing public area with the built landscape, its occupation and its forms. The idea that the community encourages interaction between its users through engagement known to each other on a name or face, family or friendly basis. Thus, the the community that individuals are at work within it, whether they are individual intent and caries individual responsibility alone. It also shows The individual moving out into participation with the public displays addition of planters or definition of an exterior space particular to a unit. street are of a size that individual action may alter the landscape for the forms that relate ideas and use to the inhabitants. The tiles of the public at the Diagoon Dwellings through careful choosing of materials and and form through those who participate with it. This engagement occurs provides a beginning for the completion and continuation of the space attachment to it through its use and creation. In this way, the architect The fact that the area was engaged is telling of a culture of individuals

The housing units are duplexes, intentionally left in an unfinished state by the architect allowing the potentials that are alluded to by the spatial arrangement to be accomplished by the owners. The plan of each unit holds two service blocks, one being a stairwell and lavatory, the other





a kitchen and bathroom stack following plumbing lines, (fig.18). Space rises five levels adjacent to the vertical stacks in a way that may lead to certain actions to decide and/ or further define and use the space, but which is left to the user. The idea is of a series of spaces not divided by distance, (as the levels are only one half storey divided vertically), to create an enclosed community of living that finds reference between the stacks. Sections may be defined for multiple living areas for each

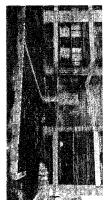


private to public while experiencing the home as a whole. here, is maintained, with the public and private zones interacting through user participation and shifting from resident rather than a living space for all, separate from a sleeping place. The concept of a city within a building

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to individual residents. the provision of an organization that is straightforward, which may then lead to obvious solutions less particular solution for finishing the space. This is done to provoke the idea of a problem for multiple choices, rather than are suggestive of varied wall organizations, (fig.20). There is an intentional positioning here of a less obvious terms, while legal lines are present within this beginning). At the front of the building, piers at the car port gardens. Whatever the result, it is an action by the residents rather than a proscribed arrangement, (in physical walls, yet low enough that earth could be sloped up to the edge for a continuous plane between neighbouring wall is placed to demarcate property limits, however, the residents are left to develop this in their own way, (fig.19). It is a beginning that allows for a comfort for interaction, the foundation being ample for brick or wood Returning to the exterior, material choice offers directions for the users. In the garden space a low block



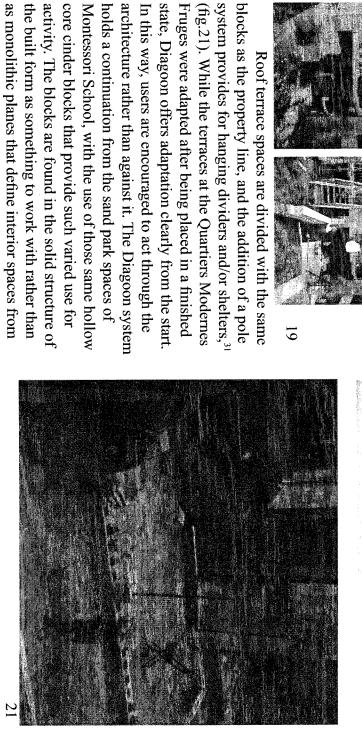






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state, Diagoon offers adaptation clearly from the start.

Fruges were adapted after being placed in a finished (fig.21). While the terraces at the Quartiers Modernes

In this way, users are encouraged to act through the

holds a continuation from the sand park spaces of

system provides for hanging dividers and/or shelters,³¹ blocks as the property line, and the addition of a pole

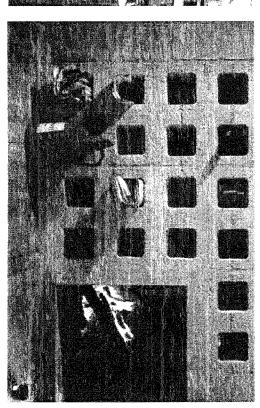
Roof terrace spaces are divided with the same

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activity. The blocks are found in the solid structure of core cinder blocks that provide such varied use for

as monolithic planes that define interior spaces from the built form as something to work with rather than





stair from the level of living space inside and corresponding deck outside, but rather a small metal step ladder as well as at the location of entry into the garden space from each unit, (fig. 19). None were provided with a and therefore brings out residential influence over the architecture. This is seen in examples of structure above of a quality that requires action for its completion in some way. This brings immediate thought on what to do, be brought about by their own hand.³⁴ Further to this, the initial state of finish found at Diagoon Dwellings is offered a variety of spaces and stimuli to engage the architecture, further definition of ones place of living may varied ways with varied materials; this is all in keeping with Hertzberger's statement, "...we must confront him a room with its own external access; window walls hold segmented frames providing a rigid level for in-fill in as possible speak to interpretation for usage; space left above the front door; the carport could be a garage or built a greenhouse, (fig.22), it was later removed and an extension of interior space took form.³² As many details for the activation of the surface and mass of the wall into the users' purpose. Back to the roof, one individual exterior, (fig.22). Within the buildings, an example can be seen in the wall area of the fireplace, (fig.23). In this He acknowledges that all design for people of any situation is based in stereotypes, but, so long as the user is (the user), with stimuli that will elicit interpretations and usage's in the way best-suited to his own purposes."33 instance, the blocks are set in place on their sides to provide pockets of space within the wall surface, allowing

as well, offering a framework to be in-filled each unit follow the concept of manipulation defined by the architect except by an essential of threshold between building and garden is not affixed to the adjacent wall. Here, the moment arrangements and particular tastes engage light and view to suit their internal variety of dimensions for windows and panels through a framework of casings that offer a between floor level solids which is then detailed instance, the building structure offers a place with either glass or solid panels, (fig.24). In this functional requirement. The glazing areas of pieces of varied alignments, the owners may By breaking the surface area into manageable

systems that govern the built form. While of the building experience is for the owners space of the interior set through walls and the occurring differently through the varied of the fixed beginnings, with levels of finishing public, (or semi-public), zones, and develop the stacks. Throughout the design, the elaboration window frames are quite rigid, and the interior community as a complexity of choices relationships between spaces of private and to define, which will speak of their individual lies between these, holding potentials within the landscaping foundations are quite primary, the The potential to renovate develops out

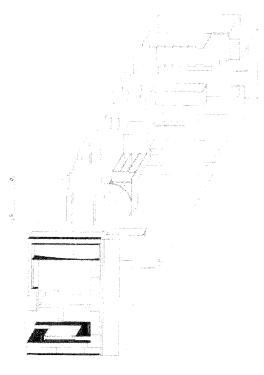


Precedent three, (mechanism).

and finishes of the whole. In the Giada Showroom, the space is confined, the floor space is restrained, it's to those who occupy the space through simple mechanisms that follow suit with those same defined harmonies carefully defined spatial harmonies and finishing techniques. Interaction with spatial configurations is opened up architecture as structure and as designed space by the architect is retained in a fixed manner through the use of of New York from 1987, and his Housing project in Fukuoka built from 1989 to 1991. Both works are alteration by apparatuses within the designed framework. Two examples are offered here, the Giada Showroom no space could be wasted. Holl took this into meaning for floor space function as well as appearance dimensions being 14' x 30'. This fact required that the space be used and finished to a high degree of intensity; instructive of Holl's intent to open up the definition of spatial operation and dimension to the user. However, the Certain works by Steven Holl offer the experience of architectural space through user activated

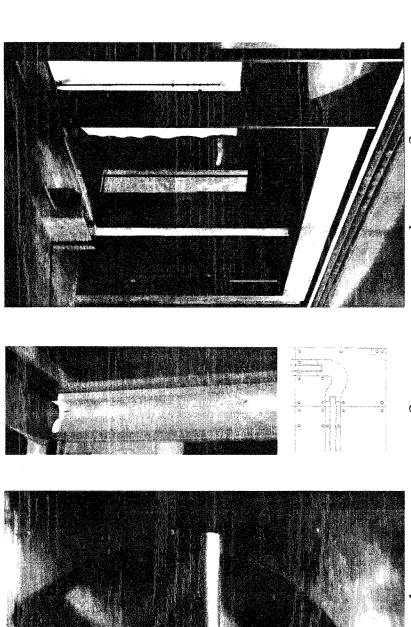
Project one, (Giada Showroom).

A concept to govern design of the Giada Showroom was spawned from the particular qualities of the site. It is a place of compression, laterally from the mass of each neighbouring building that border the property lines directly, and vertically from the presence of height in the city community. Conceptually, this situation is described by Holl as, "...gravitational force; economic pressure and time pressure...like an invisible vise grip...". The formal expression of these qualities was designed into the exterior presence of the shop, while the interior countered the effect, becoming a space of opposing ambiance and experience, (fig.25).

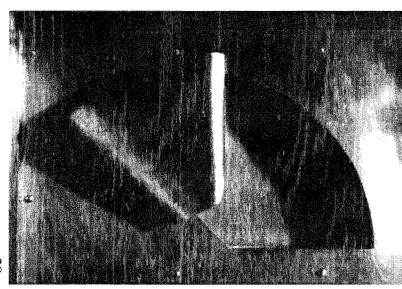


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screws securing the brass in place at the base of the cast glass corner. The use of this system of proportion for employed the golden section as a part of his work, which can be viewed down to the arrangement detail of carefully proportioned and refined to express an architectural idea that is the art of the architects' work. Holl is between the user and a door handle of brass that is peeled out of the door, (fig.28). This facade has been joint where a cast glass curve bends in form to complete the case, (fig.27). The touch of passage into the shop mass to house the window display and entry. The glazing is a 3" slab, with a moment of condensing at a corner To this, the facade holds materials of perceived density, (fig.26). Plates of brass create a sculptural



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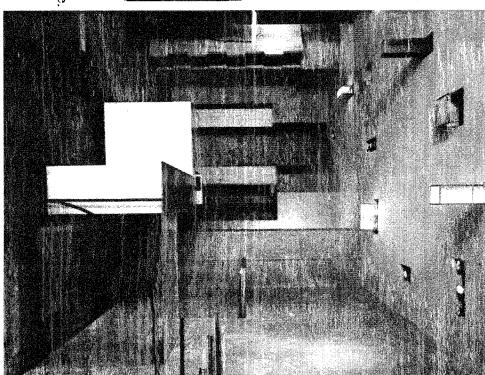
and contrary to projects discussed earlier. and client, with a composition that does not cater to continual adjustment or interaction, except in a passive way refinement. This adds to the experience of the architecture as something set in place by the individual architect spatial and form finding measure is not treated as the alpha and omega of design, but rather as a method of

The interior of the store continues the trend of highly designed and detailed organization, form and finish, (fig.29). Materials, again, were chosen for particular expressive purpose and for the benefit of building everything in so that space is maximized. Bronze wire screen, brass mesh, and spun aluminum convert the experience of density in metal found outside, into light and open forms. It is in use as shelving floating off of the wall surface, a thin plane for the main counter top, and the support structure for this piece being built of petite and curved skeletal



posts. The store mannequins continue the detailing of the whole, with a unification of interior and exterior elements seen in metal wire skeletons with cast glass shoulders, density and lightness completing the whole.

The flooring surface begins to participate with those working in the store by holding an eight inch void below the surface of, (as Holl describes it).



locations set out by the architect. These voids are pockets and trap doors that can be engaged for exhibition uses, but again fall into the defined "floating" panels of solid finish terrazzo, surrounded by the hand-sprinkled terrazzo of the remaining floor.

complete vision of the concept is detailing of the hinge and door. The flexibility, or adaptability, and the tools. The particular experience in building interact with those who use the space, and the relationship fluctuates along the lines defined by the expression by individuals is guided by an interaction with those details set out for use. This showroom relates is in the realm of device rather than framework. Movement of parts is held and confined by the hinge, and usage. In this way, the space becomes activated by its users, however, the results are fixed to a set of rules that whole. These doors act as mechanisms that can alter the perception of the space depending on their functional doors within a wall. In this way, the closed space of the change rooms can be given back to the space of the back of the space complete the experience. They hold light ash doors that open as wall corners rather than as to this effect, as do reveals around lighting boxes that are suspended from the ceiling. The change rooms at the this arrangement with flexibility. this case is a unification between linked to user interaction through function with users and the experience of internal spatial experience in a passive manner. The tools of the Other parts of the interior seem to float as well. A reveal at the base of the walls and solid counter add

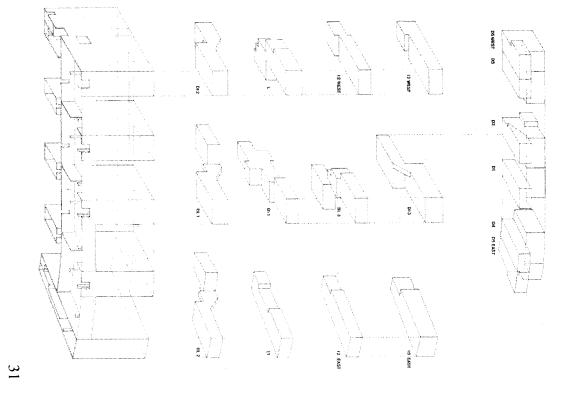
Project two, (Housing at Fukuoka).

The housing project in Fukuoka maintains a strong relationship of unification between a particular level of finish and a complementary form of flexibility. Overall, the building carries varied



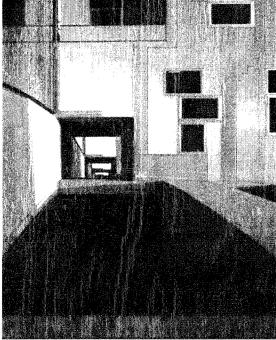
eight units is set into five towers, each being continually in place. The complex of twentyconcrete by the architect, so their meaning is repeating forms. These positions are set in serving as space between neighbors across of exterior space given volume by the building contemplation, the still water and appreciation with a reflecting pool base. These are spaces of with the use of four interstitial voids, taking in spaces, like a playground, as a public zone composition of these regions is concrete, relating circulation spine that links the towers together areas. This public space is the base layer of a appreciation by the individual units and public public patios open on to these communal voids, the sun and sky to the south, and each completed (fig.30). The towers are given individual space between living spaces above and parking below manipulations within a whole of seemingly other part being variety. whole and the arrangement of spatial sequences an idea of permanence to the situation of the the way, and as gardens of light and space for four levels high with commercial and communal This articulation is one part of the concept, the into a common whole. The prominent material forms that frame and are filled with light. The

Spatial compositions within the towers themselves contain living arrangements that



armature for the interiors and potentials for user manipulation. but, so far, remains the set form that is to be occupied by residents and activated by their presence, becoming an of the tower they occupy and the water courts that they share. This variation expresses the ideas of the architect across the complex so that a unification forms, and through this, each living unit is offered multiple experiences these. In doing this, a flow of space may be traced from living unit, to void space, to living unit, continuing in plan and section through the use of an L-shaped type, a linear type, a bi-level type, and combinations from are particular to each unit. There are eighteen incarnations of five typologies, (fig.31). This enables variations

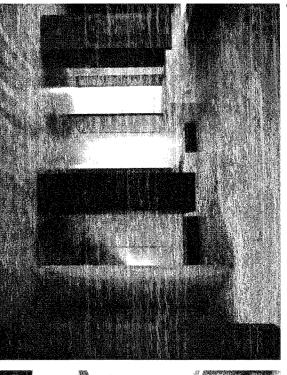
within this zone freely as their uses of interior space may residents may be encouraged to add or remove windows of openings between the concrete floors. In this way, facade. This is realized through the free placement than following a strict exterior requirement for a unified pane of glass follows interior needs for function rather also create an impression that the placement of each with golden section lines, however the reading could proportions that are found throughout, fine tuned again and windows. The composition of the windows follow in-fill facades of each unit comprised of walls, screens, placement of this stability interacts with the court facing reading of the configuration, including floor planes and stairs to level changes, for the inhabitants. The care of courtyard facades, where the concrete reveals its location and the space it supports, (fig.32). This creates a finds materiality in the use of concrete for unit enclosure and partition, which illustrates its form through the careful manipulations and permutations of units for the purpose of a set variety. The stability of this setting the neighbour and re-configuring the two units into one. This action would be expressly counter to Holl's The ability of residents to alter their spatial situation does not occur with the potential of buying out



physically on the interior. In this way, the building holds experiential placement both visually on the exterior and through the revealing of its presence by materiality and shift. The building expresses its structural boundaries

continues this theme open to individual needs for change within. The method of flexibility open to residents found on the interiors an immortality in its wholeness and the community of spaces that this sets in place, along with a level of being

preferences for occasions within the home, and the functional needs of space as they may change over time by the user, for the experience of light throughout the day, seasonal shifts, and weather, along with spatial re-configure spatial uses and experiences within the home.³⁷ In this case, the panels offer variety, manipulated of manipulation has roots in traditional Japanese housing which employ sliding screens to open, close, and complete a configuration together that substantially alters the experience of the space. The tradition of this sort several of these doors that can be moved into a variety of positions, many interacting with others to unite and of the panels as space shifting devices instead of acting as passage from one space to another. Each unit holds sizing and individual forms of each piece distort the door reading into one of small walls, as does the usage like in appearance and action in that they are wooden panels that pivot on a point at their edge, (fig.33). The Spatial manipulation by residents is offered through the provision of mechanisms. These are door-





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building is a mechanism for experience in either case, set by the hand of the architect or user if they like. composition leaves the situation open to the inhabitants to create their own composition if they so choose. The be called an occupation and interaction with a work of art. However, the manner by which Holl has laid out his residents may be content in the variety that is provided and carefully composed. This method of living could mechanisms in place for specific spatial organizations that interact like a puzzle with the walls and each other, openings of the free-form facade to develop potentials of spatial freedoms within a larger stable structure. With are freely composed, at times being suspended from the ceiling. This free-form interior interacts with the illustrates freedom within the space of the whole interior, and room divisions, with which the panels interact, the realization that the possibility of renovation manipulation could be extreme. The action of the door/ walls clear, rendering the walls and panels of the interior as in-fill within the structure. Following this, users are given an overall sense of design set in place by the architect. This being said, the presence of structural elements is combine with the explicit settings that can be accomplished to define a situation of flexibility bound within colour, the experience of the space is one of a careful composition. The habitation of a painting. These factors concrete, (remaining bare as a mark of its function), white walls, black metal railings, and the shifting doors of sized individually to suit different purposes. With a restrained palette of wood, (clear stained on the floors), periods, both short term and long. 38 Each door/ wall panel is stained individually with its own colour, also being

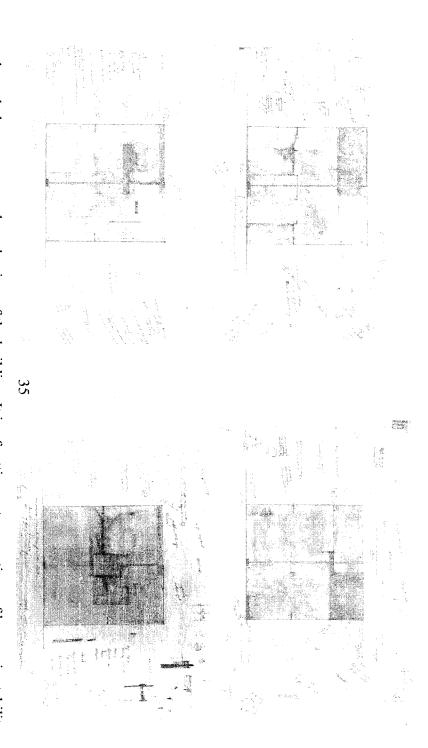
construction is telling of the potentials inherent in both designs along with the stimulus of the projects over the were in pursuit of something their own and more than what was provided. Choosing to interact at this level of tools and acted to physically alter the built form, meaning that their efforts and the quality of their productions to the function of the use of mechanism as a tool. The residents at the previously discussed projects took up users drives the level of engagement, however, the offering of mechanism means that commitment can be bound required of residents at the Quartiers Modernes Fruges and Diagoon Dwellings. In all cases, the assertion of the This ease of interaction, as found through mechanisms, is straightforward, as opposed to the effort

Precedent four, (imposition).

definitions of male and female anatomy, 40 (fig.35). This is found through material applications and chemical to function and the presence of door handles as a second. The doors, when closed, form a square, although structure. Each set of doors are set as a plane, or section of the facade, with the use of language as a first sign presents itself as a public washroom facility, with the words "dammen" and "herren", (ladies and gentlemen), the experience of something that is typical and expected in building forms at this time in history. The building applicable by the architect), takes the user through a sequence of visual and spatial shifts that attempt to foil norms and the relationships between building, image, and word.³⁹ The building, or model, (either term being The intent for exploration was the political in architecture, and was treated as an experiment drawing on social by 2, to commemorate the shift of the capital of Lower Austria from Vienna to the rural town of St. Pollen. locations of vulnerability for each anatomical standard, (fig.36). These are, (as listed in Whiteman's text), the in the square, while mark making, scratches, burned, and inscribed points of the surface are found at key treatments that unite the composition of the doors along with their combination for harmonic dimension found the detailing of each door was manipulated to reflect variance between the "American Graphics Standards" inscribed upon two central doors set side by side, (fig.34). This is found on each side of the square planned This example of flexibility and user relationships is John Whiteman's project for a pavilion, Divisible

knees, genitals, stomach, breasts, eyes, and head. 41 The doors are also unified through these points as the placements are set so that one door completes the figure composition of the other. At this stage of experience, the user has the perception of unity and the comfort of expectation built through the cultural knowledge of what is to be expected of a utilitarian building as such. Here, though, a preface for things to come lies in the subtle shift of placement between the doors, (fig.37). Although they are unified in textures and the form of the square, each door is set to a skewed tune. That is, one door is dimensioned slightly smaller than the other, a fact that may read as a simple construction error or as a mis-hanging. This is the theme that





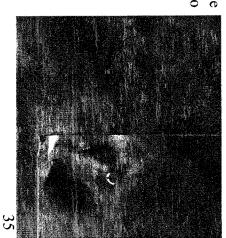
doors initiating the beginning through their subtle compositional unification while simultaneously announcing control and manipulate the standard into space and form which foils expectation and causes specific reaction by standards at a fine degree. Engagement with the form in a physical way reveals the existence of those parts that and classical mass, along with cultural norms of functionality, in a perceivable way, while manipulating those runs through the structure and mechanism of the building. It is of setting out perceptions of harmonic stability their variance through their labeling. the user, who is transformed into a performer. The experience sought was of evolving contradictions, the facade

The building, as perceived from the exterior, sets out the balance of harmonic proportions along with 51

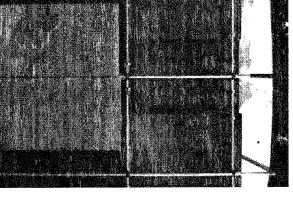
these voids. channels water to each corner so that active water is all that can occupy neither panel nor frame occupy the space. This relates to the roof, which each face frame its own corner post and setting each corner post in so that classical strength are found in the proportions, but they are undermined by rigidity of the panels to complete the whole. Dimensions of stability and the unifier of the panels to each other, not being able to stand without the as the centre panels shift place behind the doors and reveal the aluminum with this are atonal rhythms, (right panel, door, door, left panel), occurring frame), and fifths, (with the external face of the structures' panels). Along squares high. The facade is symmetrical and holds the harmony of thirds. of the doors as a base, the building width being three squares across and two discordance. Each facade is composed with the dimension of the square face the dissolve of the buildings corners into empty space, achieved by giving level as well, the frame seeming to support the panels yet actually being frame.⁴² The system of frame and panels is deceiving at the structural (seen in the three double-door width), fourths, (in the exposed aluminum

panels along a curve that moves through the plan of the frame, (fig. 38). The roof curve takes its section from the plan and the shifting of

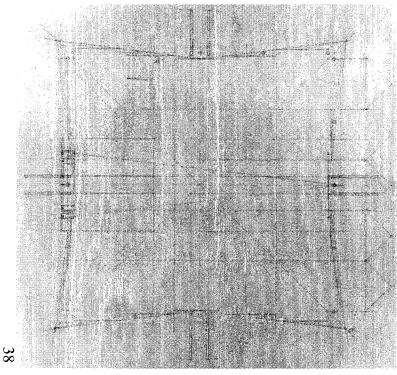
slight error of design or construction as in the variance of door dimension of the architecture. This can be explained away in the users mind as another of the door. Here, again, is the play between expectation and reality. The use. In his writing on this project, the architect states that functionalism The intent of Whiteman is for architecture to gain a presence through its part is set in too close, so that the users' hand will slide against the surface comes into play with the act of grabbing the door handle. This functional handle, as a sign of function, has induced an interaction with the material Returning to passage into the structure, tactile experience now





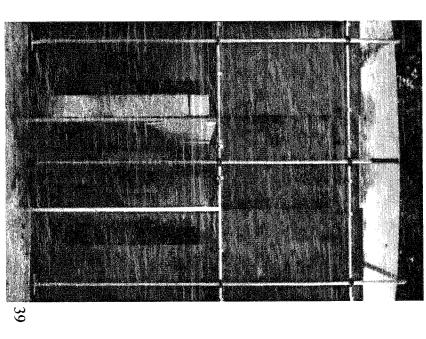


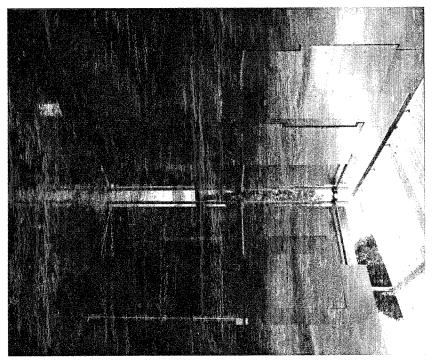
tune the building so that its discordance becomes result from interaction by users. It was possible to to varying degrees so that particular perceptions may ability of the architect to manipulate the architecture architecture brings about. 45 Architecture is forcing becomes a performer within the interaction that the revealing of that shift from the typical by exposing through the use of manipulation of perception and the architecture itself into the consciousness of the user architecturally reduced by its expectations and norms and the commonplace of its workings.⁴³ The public that becomes invisible through the ease of its use has reduced architecture to the banal, a machine knowns. Flexibility, in this case, is found in the that the reaction is forced upon the individual, who the functional parts that are the cause of the change. 44 itself into perception through a play with the users Further to this, the user experience is designed so Here, Whiteman attempts to bring the presence of the lavatory is his chosen example of spatial experience



in place by Whiteman was one of subtle shifts so that the realization of the architecture would build itself slowly blatant and recognizable in a glance. The scenario set through a series of perceptions and sensations, climaxing with an interior that inflects itself with force

Second, the materials create a sensation of occupying an exterior space as the flooring is made of materials expectation. Firstly, the building is offered as a single space shared by all who would enter by any of the doors to return the interior into a completed space. What is given to the inhabitant of the space is a severe break from facade door, (fig.39). This panel pushes inward to reveal the interior space, (fig.40). The panel closes by itself in that this next element is a steel panel in line with the wall panels above and right next to the place of the Passage through the facade door gives rise to the surprise of a secondary door, an experience not typical





of the room. This continued further with the final corner wall panel. Also, the panel facing the door intended comment on the unification of city and countryside by the placement of the new capital, the above listed objects to it was placed at a slight angle and set back in plan so that a visual distortion would arise in the perception door is in orthogonal alignment to it, so that an experience of stability can be realized. However, the panel next the walls of the interior were tuned for drawing out a particular action. The wall panel directly across from any are given a backing base image of tar and straw. These details were likely less present in the users' mind since pleasure and figural beauty from the city-lipstick, shaving mirrors, razors, cigarettes, signs, money."46 As a from out of doors suspended within a clear and shiny high-polymer resin. These are "devices of organization,

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of discordance could break through the corners and reflect off of the steel and resin to add further complexity to the experience material that glowed whether the day outside was sun-filled or overcast. Any direct sunlight hitting the structure in the real. The lighting was diffuse, entering by filtration through a groin-vault curved corrugated fibreglass anatomy, but broken and composed to offer no sense of stability or harmony with the experience of people material. The panels were all discordant to one another, continuing with the proportions of male and female out of reach. Adding to the confusion was the surface annotation of the panels which were a brushed steel architecture and induction into rotation was relived, although escape through the centrally placed doors became to the individual going through the experience.⁴⁷ When sunk into a corner, the perception of the pressure of the the building exerts an inwards pressure, to a corner, where the space is perceived as offering a nook of refuge architect makes the comment that these performers then tend to drift in position from a central location, where becoming transformed into performers acting by the instruction of the architecture as tuned by Whiteman. The would restore stability. Finding nothing but the same play with their senses the rotation continues, with users directly facing the other door is skewed ever so slightly in the wrong direction for a perception of stability. the door directly would account for this side entrance for each door, so that the experience of the other panel that being off centre to the door and towards the handle side. This means that an angling of the panel facing tuning allowed for the positioning of each view to relate to the specific place that any person would enter, for use by the other sex was out of alignment from the position of view by the entrant, occurring because fine This mis-reading of the space intended the user to rotate towards the adjacent wall to locate an alignment that

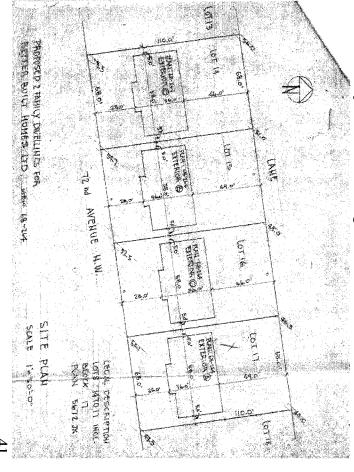
brought into action. engagement, and through the provision of beginnings, potentials, tools, and rules, users of architecture are distinct from the previous precedents. Each is telling of a strength within architecture that moves users into unknown. 48 This action against Whiteman's project displays a desire to engage the building in a way quite disapproval by right and left wing political affiliations alike, and those responsible for the destruction were Divisible by 2 no longer exists. It was fire bombed on a Sunday night, July 28, 1988. The work met Chapter Three, (project).

of threshold hold a key to the arrangement. party, with the architecture gaining a presence that is in keeping with its varied role. It is my opinion that places of flexibility best suited to the requirements of the situation. Design in this situation should offer benefits to each can be examined. The particular case of the landlord/ tenant relationship leads to a choosing of a particular type The precedents discussed above intend to offer an overview of ways that flexibility, and/or adaptability

these, all four being built by my father in 1968, but this particular one being sold, while the other three were three duplex bungalows that neighbour each other, (fig. 41). A fourth such building sits directly to the west of The building for this project is number 716, 72 Ave., NW. It is one of six rental units in a series of

retained as rental buildings. All four share a common plan, but each holds an individual facade, and the sold property has a split section between its units following the slope of the land. Of the three rental buildings, all but the one in question have an alley-accessed garage. Other than these differences, landscaping and spatial qualities are similar from building to building and unit to unit.

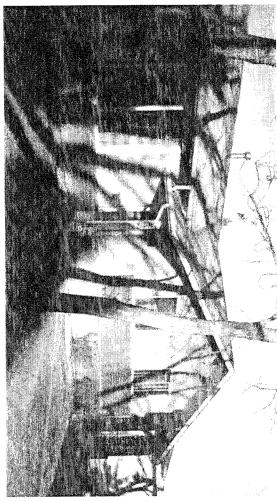
The interventions are in relation to structure and space that is already in place. From this situation, the proportioning and finish of all parts reflects the original. This is not a scheme to modernize the building interior or exterior, it is an attempt to initiate forms



also found in this work. Foundation, encouragement, mechanism, and imposition. Levels of each are to be seen adaptation of the space through interventions that invite an engagement. Themes within each sited precedent are physically reinforced and introduced where it was lacking, and in so doing opens up the potentials of user while providing functions that maintain the structure as a device for the owner. Stability is conceptually and allow for the architecture to reveal itself as the presence of the owner, (as a conceptual part of the building) that act as catalysts for engagement by the inhabitants of the space, and through the handling of these parts throughout, as their value is applicable.

needs. Through the unit, a linear path can be found that develops the domain of threshold. This line runs from is hypothesized as a method for individuals to create a personal sense of home place tuned to their mind sets and Offering instigations as beginnings for determining levels of particular privacy and/or public friendly relations individual wishes for how one may interact with each zone are essential parts of the comfort of a home. residents and their desires within the living situation. As the place between private and public living activities, A manipulation of threshold is offered, with the shifting potentials of this zone being reflective of the

outside and inside. A critical wall that divides bedroom access within, moving along a central moment. The line continues between the physical space of entry path, to the porch, (fig.42). door within the threshold wall west of this wall, one bedroom the living area, (fig.43). To the At this point there is a juncture the front street sidewalk, along an into the private realm through a is contained by a wall, opening from the interior public space of line, although its internal space falls into the public side of the

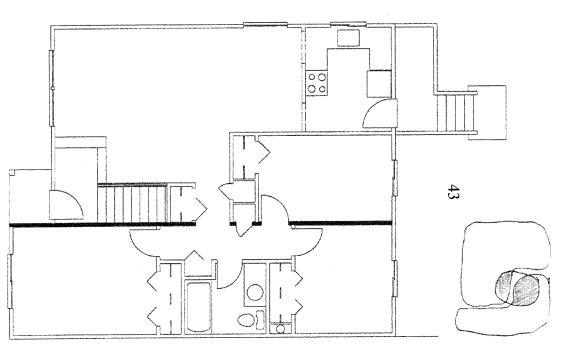


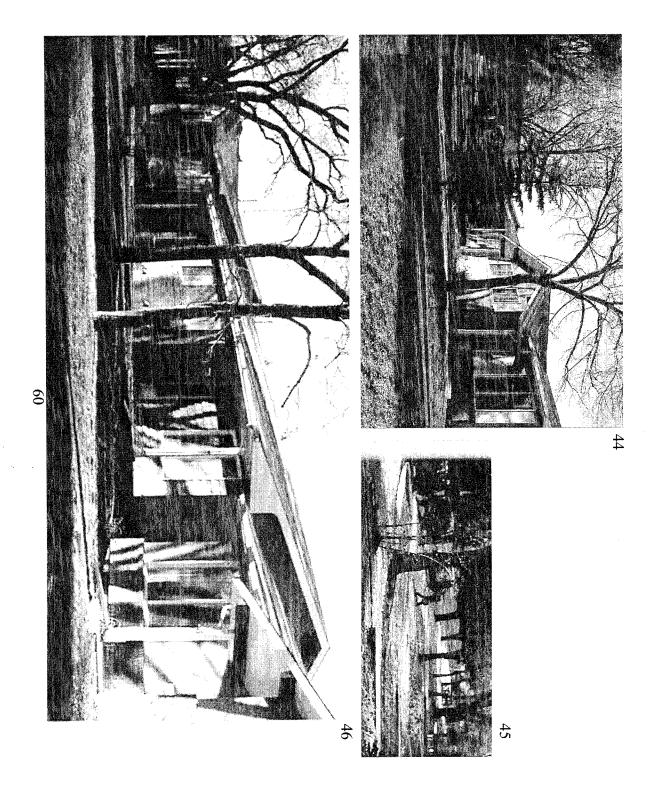
The zone of interest then moves out onto the back deck, which is elevated to the point that each unit's deck space can view its neighbours deck, from the eastern-most unit to the western-most. From here, a path runs to a gate leading into the back parking area. The garden space is contained by five foot high board fencing, and the alley-way for vehicle circulation completes the property sequence from south to north.

It is supposed that by reworking three spaces of threshold, (the front garden, the interaction between the western bedroom and the living room, and the back garden), the interests of both owner and users will begin to participate with the form of the building. The design of the exterior spaces will occur individually at each of the six units, so that the threshold of neighbour to neighbour relationships can be offered into manipulation by the tenants.

South garden, (lateral occupation).

The front entry garden acts as a position between the activities of the street and the living habits of the users, (fig. 44). It also acts as a place between neighbours, (fig.45). In this situation, each duplex reads as a single building, with a common facade, but with their entry porch spaces being divided by a central building mass. This acts to separate the front door place of each by both distance and vision. A more direct relationship exists between the entry space of one unit to



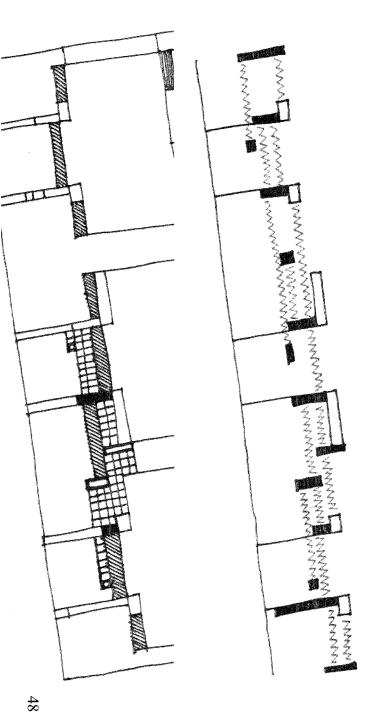


determining levels of public and private experience. threshold between living unit to street and each unit to its neighbour is engaged, revealing opportunities into that offers invitation into usage and particularisation through a beginning of foundation and maintenance. The relationship exists between the three buildings and continues towards duplex buildings that sit to both sides. privacy of the interiors are revealed through the separation found within the layout of each building facade. This and exterior public spaces of each unit to its neighbour are brought into association with one another, while the (fig.47). Here, entry porches are aligned with the public zone of the interior living space, so the siting of interior its neighbouring duplex unit than to the one that shares its face and land, (fig.46). The in-between zone is clear, The design intervention of the spaces at each entry reflects the relationship of each to their neighbour in a way

reflect both parties of interest. Those parts conceptually of the owner provide cornerstones to a spatial sequence that frames the areas open to users. The in-between places are laid out in material that can be rearranged with Materials are chosen and set into place in a way that speaks to the stable and variable qualities that

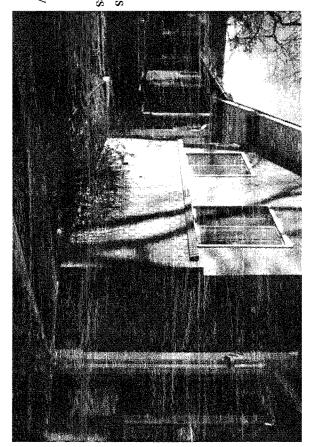
surface for flower pots, etc.. The goal is passively as impromptu seating and/or a screens, ledges to contain space and act planters, bases for the attachment of depending on how it is added on to or mass that offers a variety of uses physical, and, through this, act as pieces their presence by weight, both visual and through the use of the stable parts as occupation that can then be adjusted or not, it provides a setting for living a level of ease, if the user chooses to filled in. These solids could be benches to react to. Concrete is used, creating foundation elements. These stables gain level. Whether the space is altered interact with the space at a constructive

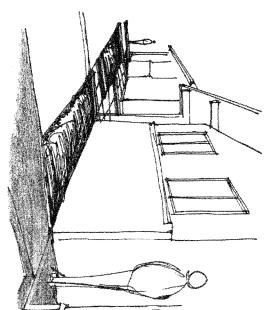




change the function and character of the space as a living situation for varied users over time. to provide pieces that can retain their presence through permanence and the ability to accept variable pieces that

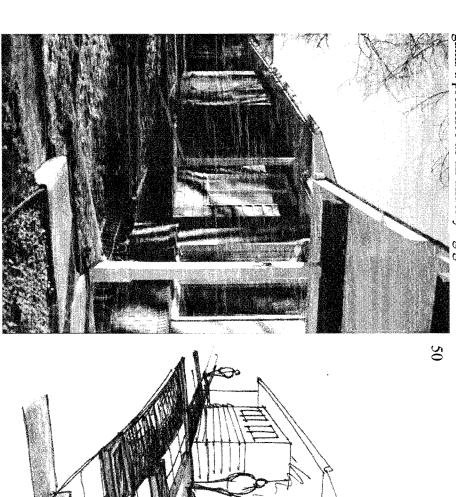
bands of in-fills playing off of these stable parts set at different times. Initial in-fill between these reference these as beginnings, the solids proposed, (sketched as outlined rectangles), interact to form book-ends, with sketched plan of 716 to 718 interaction), are cast-in-place steps that were set in the spring of 2002. Taking between the solids, paths parallel to the street that thread the units together, (figs. 48-52). The solids are cast with the arrangement alluding to a sharing of space in-between. It is a situation of lateral in-fills that take place Existing solids sited on the entry paths from the front street, (represented with solid black forms in the lower in place concrete, holding positions that relate one unit to the next across the garden space of all six units. The interaction between the intervention at 716 and its neighbouring units is laid out by the solids. screens to shield views and access between be used by tenants as base positions to erect variables over each other also allows for of soil. The potential for layering these positions for in-fill, so that if a tenant wants areas, with removal of the pavers revealing act similarly as beginnings to planting neighbouring tenant to layout a physical expand and contract, or link paths with a desire, garden living spaces may shuffle, are more mobile, so that, as individuals may in the sketches. While the solids are set and are concrete pavers, represented as grid lines by the tenants choosing and alteration of this instigation. These workings will occur with further manipulations drawing from the concept is demonstrated to the tenants, solid, while others are partial. In this way, as completed lines, traversing from solid to planting spaces. Some in-fills are to begin points will take form as general beginnings hardscapes and paths. The solids may also if they're not needed for creations of their occupation of a minimal footprint flowers, they need only reveal that amount to plant nothing more than a small patch of dimension to a particular relationship. They finished to reflect permanence, the pavers those variable pieces within. These variables that may serve as circulation, seating, and

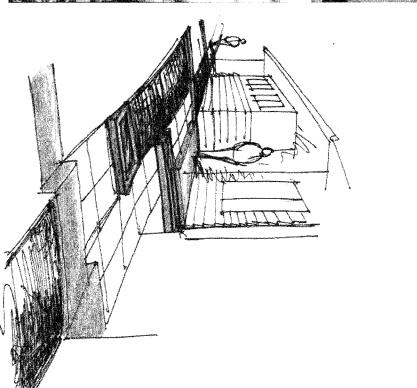


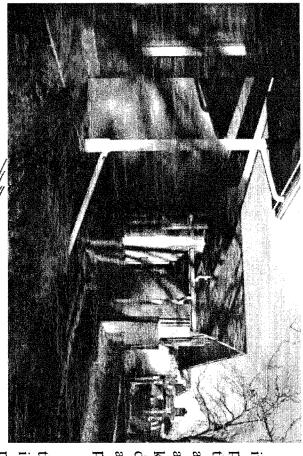


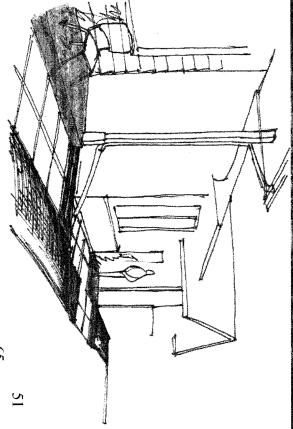
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gains a presence as an underlying governance. their comfort, and by engaging the space through the reference points of stability, the position of the owner units and/or the front street. In this way, the users have an opportunity to fine tune their living situation to suit



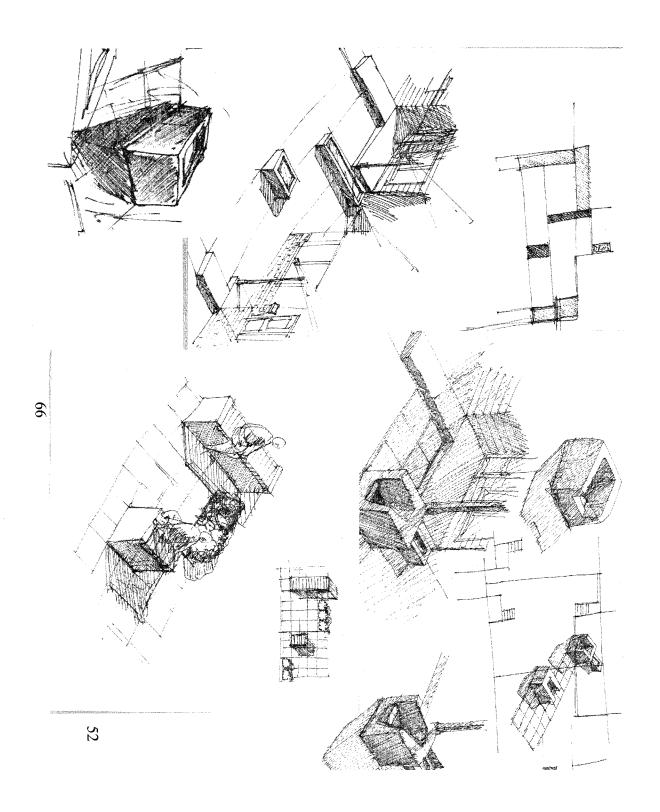






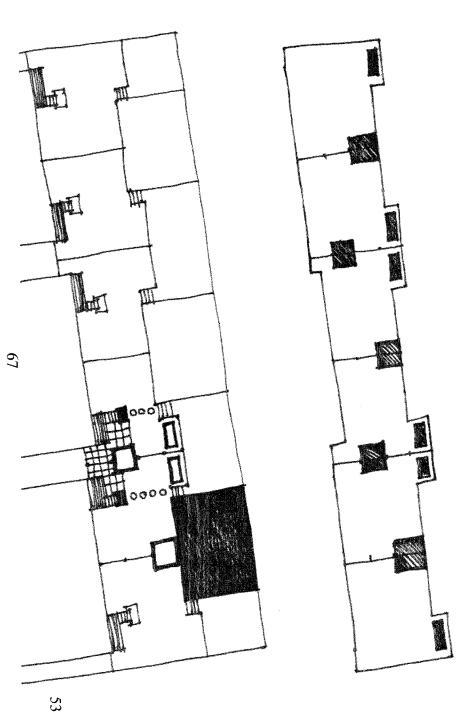
a particular route, then the pavers may be and owner needs, by halting an erosion doing, to the benefit of land maintenance keeping their feet out of the dirt, and in so adjusted by them for their own needs of the area by the users. If they often traverse it is speculated that the positioning of the process. pavers will naturally follow the usage of As a passive part of maintenance,

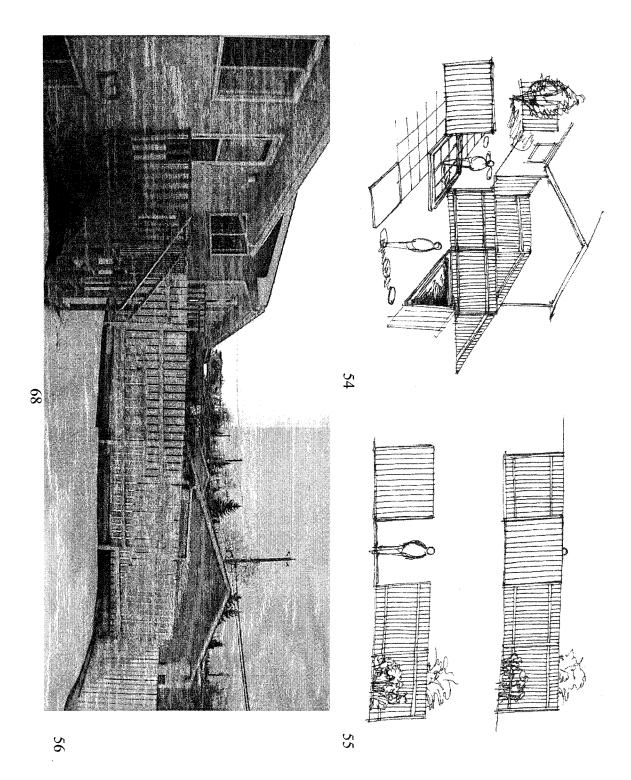
define on their own. engagement. The provision of the solids opened to the front path as a gesture of may occur here. To this, each unit space is reflective of the greater area of the thresholds, as defined by the solids, arena, or to do so in a way that they may as foundations for screening out these is extended towards its neighbour and individuals not wishing to move into this public street and social pleasantries that interactions allows for the possibility of The layout of the front garden

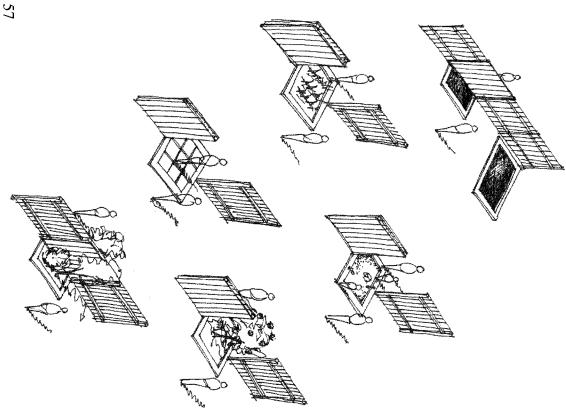


North garden, (border-line occupation).

garden both visually and spatially from the alley-way. For this purpose, and for the benefit of function, a third above, all buildings, excepting 714/716, have a garage to the back, which offers itself as a mass to buffer the interest in developing private and semi-private relationships between neighbours and the alley-way. As stated The north garden spaces follow the lead of the south, except that the overall layout is guided by an







which have proven their worth since 1968. 53). Its form and finish will follow the others, garage will be built to complete the series, (fig

engaging the existing built forms to develop again, allow for in-filling themselves while and vertical, shielded on all sides, but open enclosed at ground level by a solid board garden is a rise of steps. With the space being overlooking deck. As a counter experience, potentials to further this idea lines of threshold through use. Two sites offer plays into this by offering solids which, the transition from the alley-way into the north begins from the home with a descent from the from the land to the sky. The intervention fence, the experience becomes both internal The privacy of the garden space interior

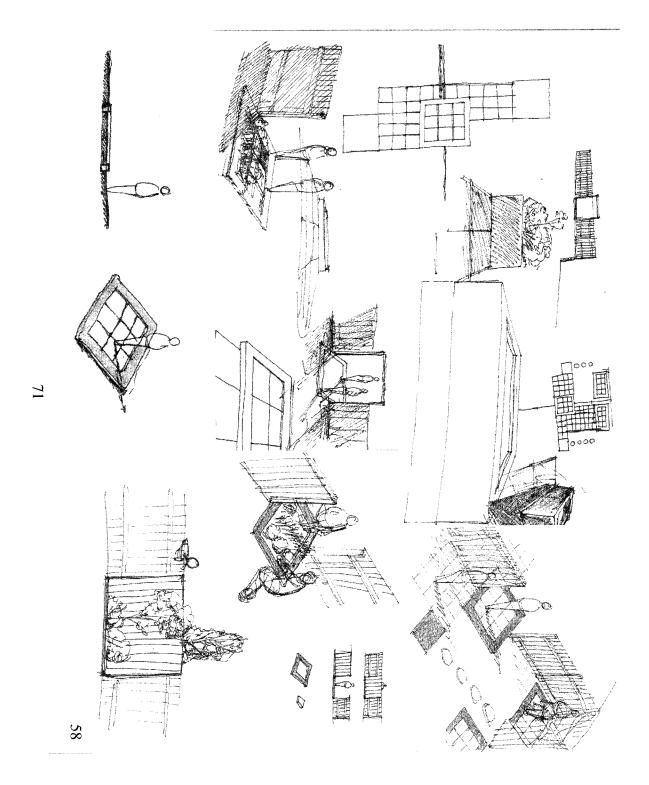
a seating space open to the sun. With ample deep by fourteen feet wide), that by in-filling 54). The space is large enough, (seven feet cast-in-place within this position, (figs. 53, on three sides by fencing. One solid is to be depending upon the individuals using the other gardening practices. In this way, and the solid with paving stones, it can be used as land at the north-west corner becomes enclosed light, this site is also suited for vegetable and With the garage in place, a section of

this beginning will call the tenants into engagement with the solid and the potentials that it develops rarely been put to use other than by various occupations on the grass. The hypothesis is that the provision of beyond. Although this spatial situation has been in place since construction in all units to the west of 716, it has space, the garden may become more private or less private with its relationship to the alley-way and the housing

beginning, to be evolved through user actions on both sides of the line. as opposed to the public nature of the front street. In accordance with this, a general privacy is offered as a solids and alley-side solid, but now occurring at a juncture that lies within the realm of private or family space, straddling the line of the fence. Here, the stable element offers the same opportunities seen in front garden threshold between private/ semi-private zones, a cast-in-place concrete foundation frame is set into the earth exchange or closure between neighbours as circumstances may change and vary. As a base solid to this belonging of one of the units. This intervention becomes part of an adjustable line that can shift to facilitate stable placement and re-set to form a mechanism by hanging it with sliders from its neighbouring section. property space between 716 and 718, (figs. 53-58). One section of the fencing is to be removed from its The moveable section is mechanically linked to the fence whole as it is a shared piece of the fencing, not a The next proposed solid interacts with an original line of reference, that being the fence that divides

through the actions of the users of the space. to change nothing at all. In any case, the solids lay down a foundation for potentials, which will take on life to serve as a patio). Tenants may act on their own within the confines of their property lines to develop outdoor solids for planting), calls another intervention into action, (the placement of spare pavers as in-fill within a solid sizing of standard concrete paving blocks, so that engaging one part, (i.e., a removal of in-fill pavers between an instigation, a beginning. Common dimensions, shared by the south and north garden solids, are based on the living patterns, or may join schemes with their neighbours to suit particular relationships. Some may choose the idea of a back garden functioning as seasonal, event oriented, and living and play space. The intervention is occasions, (barbecue, etc.), with the potential for long term interactions occurring alongside. This is reflective of The gateway between can be used in a casual manner, so that spatial organization may shift for

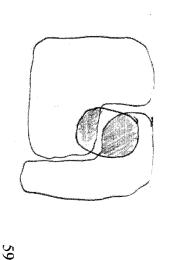
solids so that the concept may reveal itself for further manipulations. Taking the shared solid, fence line, As in the south gardens, pavers are placed as in-fills for partial occupation of the free spaces in-between



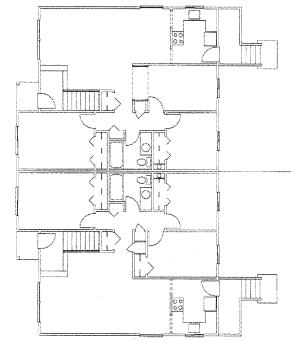
signal that interaction is encouraged, while laying out the limits as a reference to the owner. activity spaces adjacent to a neighbours' of similar usage, or by creating buffers. The intervention acts as a spaces heightening or acting conversely to the situation provided. This may occur through the positioning of a bough for interaction and sight. A variation of living experiences is initiated, with the users detailing of the of sorts, with the space not being completely isolated from neighbouring contact as the balconies already offer to neighbour situation may arise. The privacy of these internal experience exterior spaces is offered as a retreat order to the space that promotes privacy, yet this restraint is not heavy handed, so that a more public, neighbour create a shifting series of potential thresholds of neighbourly interaction. As foundations, the solids lay out an to the garage addition, (fig. 53). Both of these positions are engaged between each of the rental properties to 54). This is acts as an example for interaction, a maintenance function for drainage, offers a platform space building, and balcony lines as beginnings, the space adjacent to the deck is given a blanket of pavers, (figs. 53, into the garden, and serves as a quarry/ storage for pavers. These variables are directly associated with the solid intervention discussed, however, another such threshold intervention is set straddling the line of 716 -714 next

Interior, (wall occupation)

The interior line of interest is the south facing wall of the western bedroom mentioned above, (figs. 59, 60). This separation between distinctly private and public zones was made up of a series of closets, one designated for linens,

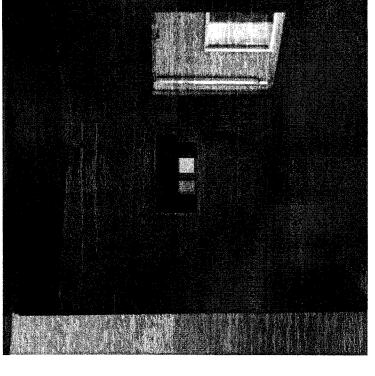


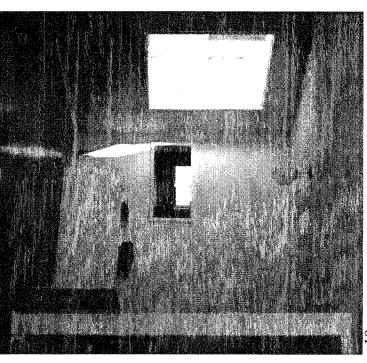
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of flexibility that can alter the spatial experience, usage, and visual impact of the home along this particular as a storage unit is chosen both to reveal the workings of the building while simultaneously offering a level one for brooms, and one for the clothes storage of the bedroom. A design heightening the use of this wall threshold.

the private and public zones of the interior. The space of the west bedroom has now come into play with the the living area off from the hallway of the bedrooms. The two form a gateway in the threshold line between and bedroom closets. This leaves the linen closet as a block that works with the opposing coat closet to set The area is opened up with the removal of the original walls that determined the layout for the broom

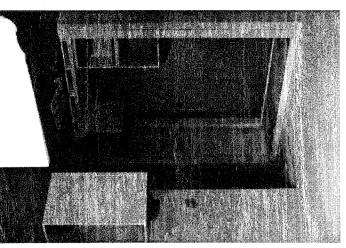


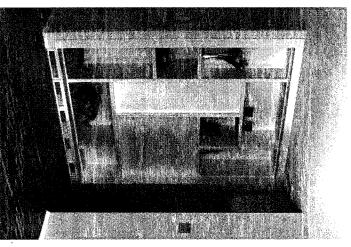


a site for ongoing manipulations. two bedroom unit with additional living space, however, the detailing of this hole in the wall develops its role as tenants may find of it, (home office, library, seating area, music area, etc.). In this state, the property becomes a It has become part of the greater living space and may be of use in whatever capacity of public living that the garden by sight through the bedroom window. However, this room, in its open state, is no longer a bedroom. space of the main living room, and a view from the front hall through this new opening continues into the north

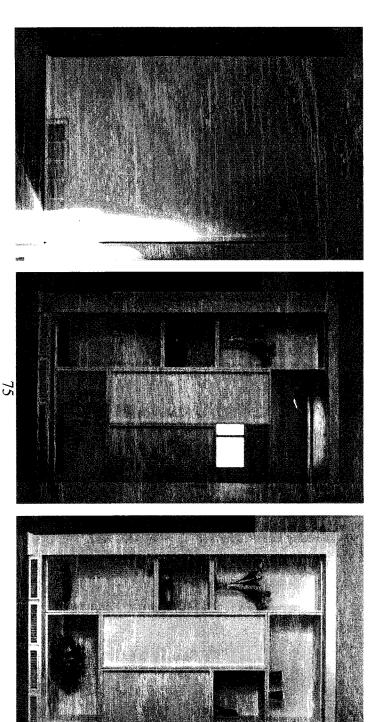
original closet spaces, with a depth of 32 inches, width of 70 inches, and new height of 88 inches. The vertical 2x4 walls as an armature for the opening., (figs. 62-64). The punch follows the combined dimensions of the through window in the kitchen, (fig. 61), this intervention is a framed step-through threshold, that activates the The hole is actually a punch that is held within the wall itself. Following the precedent of a pass-

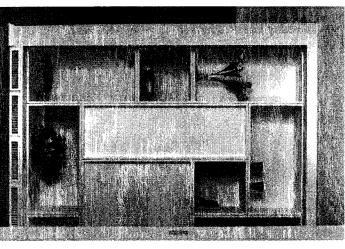






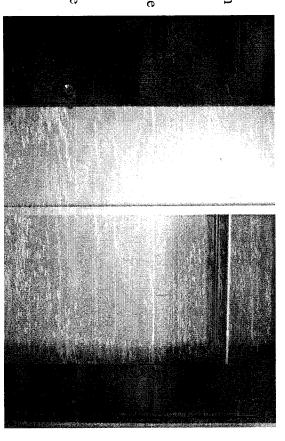
becomes part of the public experience of the living area yet retains an experience particular to itself discovered box, a step down completes the move into the room. In this way, the north room, formerly the west bedroom, enough from typical housing experience that they become realized. After this moment within the frame of the height of the step is just four and a half inches, and the depth is comfortable for occupation, but are separate for two steps within the frame of the box opening held by the wall. These acts are not inconvenient, as the as a heightened experience of passage from one place into another was desired as an expression of the moment intervention then finding a resonance with the original. Conceptually, the activation of this particular threshold mentioned above, the detailing of this opening as a punch within the wall relates to an existing occurrence, the dimension has dropped from the standard 96 inches as a result of the step and framing of the opening. As The movement through this opening becomes a conscious act, with a step up, and provision of depth that allows

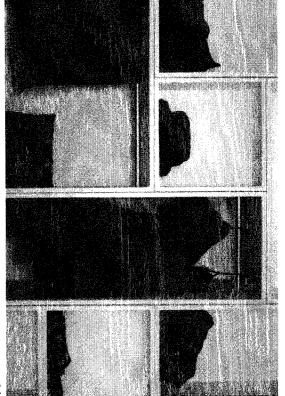




through the transition of this threshold. In this situation, the frame becomes the solid, here held up by the wall, that provides a foundation for the positioning of variables within.

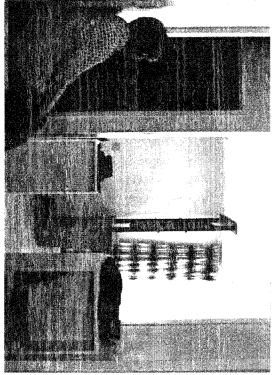
elsewhere can be manipulated as they share of the boxes to each other within the frame and arise from tenant to tenant. The relationships provided, serving other needs as they may not congregate within the armature that is storage units elsewhere. In this way, they surplus units may function as furniture and needed to complete the in-fill so that the boxes are provided. They number more than variables interact with the stable to allow associated with the public interior. Here, the boxes are in place, then the room becomes public characteristics. When minimal or no of the room may take on semiprivate, semipartially occupied by these boxes, then the use room returns to its privacy. If the frame is If the frame is completely filled, then the the nature of the north room, (figs. 64-72). arranged within the frame threshold to redefine they provide so that variations can occur organizations of the boxes and the spaces related dimensions. This allows for varied become autonomous units that may or may for user determinations of spatial needs. The Boxes of varied dimension can be





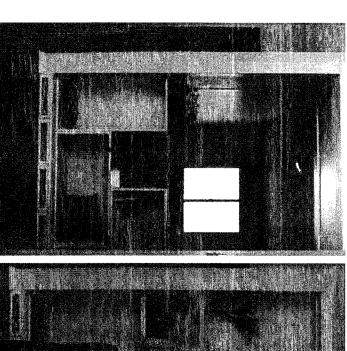


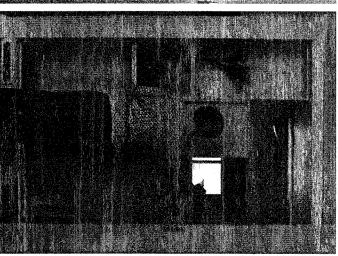


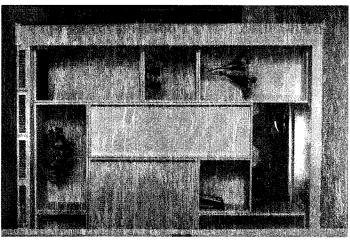


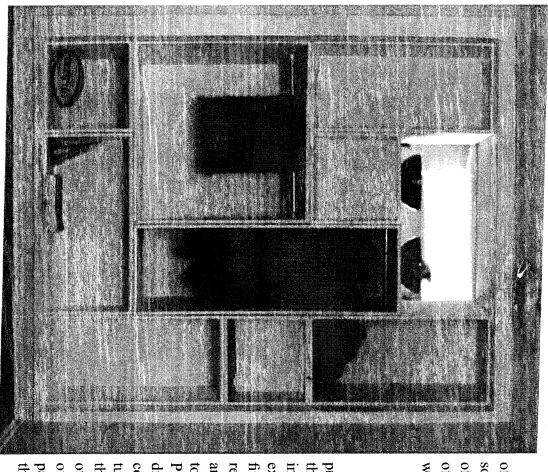
tenancy, but each part may also occur in different combinations and situations between tenants, as expected. for guests part time, and related to the living space as well with certain openings. This example follows a long child, (now teenager), goes away to university, the boxes may be rearranged so that the room becomes usable require, closet boxes, (with hanging rods), may be rearranged so that they are in a more usable position. If the moves in, the frame may be in-filled to provide a private space. As the child grows, or as other users may may want the north room to be open to the living room for more living space. If they have a child, or a relative throughout the occupancy of one tenant as well as between tenants. As an example, if a couple moved in they

solution maintains a level of simplicity when engaging the boxes attachment points clamping the surfaces together using quick connect hardware with allen key faces. This The method of creating assemblies of boxes is simple stacking, either within the frame or not, with









The function of the frame and of the boxes is in line with the exterior solids and variables, all with the purpose of relating physical form to the situation of the parties involved in a relationship with a particular type of architecture.

Process

of function and experience, involved own particular comfort. These are details and removing lumber and measuring exploring the walls with a stud/ wire process of the physical manufacture of the intervention. participants in the perception and use of that, although solid, has settled into its concept, but the result gained its fine to find the exact dimensions offered. reveal the underlying framing situation, finder, breaking through drywall to this project began through investigations tuning from the realities of a building dimensions were evolved into the design Prior to this engagement, sketches and into the building by studying plans, A comment on design. The

Using a hands-on approach to

space, a position of interest or peculiarity that spurs also encourage the use of the frame as an occupiable whole of the punch-frame rather than on the floor of the threshold space to heighten an awareness of so that when sweeping the floor dust is kept at bay. also now at a more appropriate functional elevation, was made to raise the boxes on a platform that could of beams and joists did not offer new opportunities amounts of air than the original, and the positioning one another, it was discovered that a new furnace, construction and investigations developed alongside an alternate location could accommodate needs. As the return air vent was evident, it was assumed that stabilities and rules. One example is the raised of owner interaction at that level of determining is also what drives invention and evolution in ways design carries the dangers of the unknown, which level provides a position distinct to itself within the the space of the frame, (to sit for example), the raised passing through the transition, and when occupying then provide for return air. The raised boxes were for the siting of this main return duct. The decision (installed in the summer of 2002), required greater platform of the punch upon which the boxes rest the built form that the project becomes a realization perhaps otherwise blind. It is in this participation with beneath a doorway-type frame. This raised level may Conceptually, this platform added to the experience In early sketches this was not in place. Although





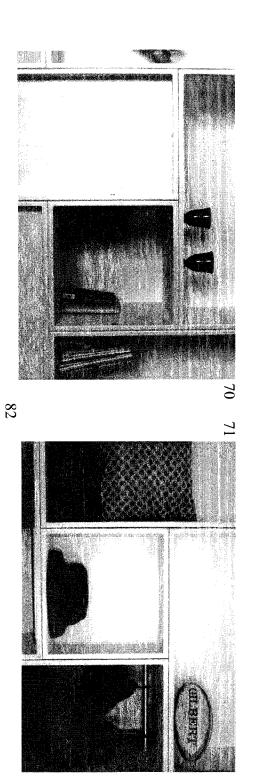
opportunity elements. If another such intervention has cumbersome for the movement of the boxes, the boxes. MDF was chosen for its surface, lack of grain cause to be built in a neighbouring unit, plywood will as the combination of boxes were to compose a wall, and weight, (this latter point being thought important be the material of choice. pieces and in-fill wall, neither of which are casual reflective of the purpose of the boxes as furniture rather than casual. This limits engagement, but is to handle them and add and remove them from the and place comfortably. It is possible for an individual of a place between private and public living areas). perhaps being classified as an event based opportunity punch-frame, however this results with the interaction largest of which requires two people to lift, move, which could then offer itself as a solid mass worthy The resulting mass, however, proved to be somewhat Another example is in the material of the

This engagement is true to the potentials of the owner, and the armature which results as a place for variables.

The representation of the garden interventions remains in a state of sketch as this owner level engagement has yet to have the opportunity to occur. This is to come during the spring and summer months of the year, when the ground is accepting of

interaction.

architecture continues as an evolution of the relationship between the owner of place and the user of its space. with the engagement of those variables through the reference places of the solids. The design of this shared the process of implementation. Parallel to, and eventually superseding this, is the evolution of the landscape, design offers up its potentials. The design result becomes an adaptation of the concept as it participates through evolve to take on forms that the land and unknown elements will refine. In this way, the process of engaging Taking the concept of these sketches, which are based on realities, the garden interventions will likely



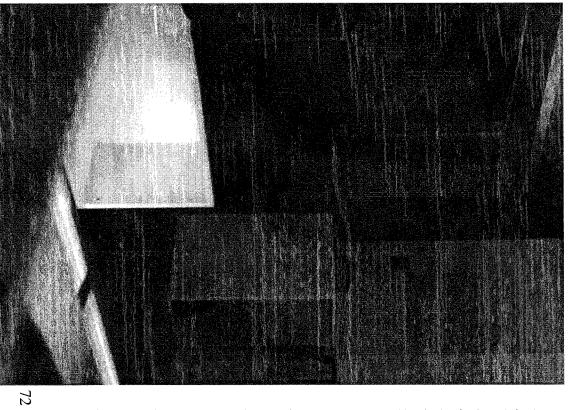
Conclusion

purpose to it, are bound to engagements in architecture. through them is a framework of adaptation between owner and user. This project, and the relationship that gives at that level enacted by the landlord of re-setting the architectural rules. The setting of rules and participation distinct from those offered here. So, too, these interventions may, at some time, require alteration themselves tenants and the resulting affects, issues, and comments offered, the remaining units may receive interventions design sketches, may evolve individual realities through their construction. Secondly, through the interaction of The experiment is ongoing. Firstly, the completion of the garden interventions, documented here as

which other varied programs, sites, etc., may initiate architecture into this sort of relationship with its users the mechanism of adaptability, as an integral part of architecture, the thesis may continue as a theme through through place, rather than merely occupying the space provided by built form. Developing this concept through ability and living with architecture through an active participation with its matter. At the core is an idea of living program, site, materials, and individuals. The issues raised hold information concerning the potential of adapt-As an idea, this has evolved out of an engagement of myself within a particular framework of history,

gram and project are expected to result in varied manifestations of adaptability as each case may arise ment living, etc., and therefore emerged as a form distinct to itself. The limitations and potential of each proadaptability through an existing built form. It was not a situation of lone ownership, educational forum, apart-Taking on the specific case of a landlord and tenant relationship resulted in a particular way of finding

space may interact with it themselves rather than the lands being managed by out-sourced companies rior space at the other. These particularized systems then function as means through which the people using the land of the building may require processes of communal consensus at one end, or individual allotments of extevate and public zones of living, may be restricted to relatively thin sites of circulation within, while the shared rented unit. The idea of offering threshold, as a place for individual determination of relationships between prifor adaptability, within a common public area, distinct from any such design actions within the privacy of each As an example, the situation of an apartment tower may require a conceptual foundation and mechanism



As constants, limitations can be seen as situation imposed, (program, client, etc.), cultural limitations, (as to what is accepted as a way of living within any particular societal framework), and as an imposition of the rules by design, (which is always a constant when one source is creating something for another). Each situation will lead to its own sets of strengths and weaknesses in terms of choosing adaptability as a way of living.

As an example of a way of engaging adaptability through the lens of a particular situation, this project may be seen as further investigation into an ongoing topic of adaptability in architecture. Its limitations lie within its requirement for rules, but through these rules the user gains participation with their place of living. This is the case of adaptability in architecture.

Through the physical construction of this project, the idea of investing oneself into architecture, in whatever capacity the built form and situation allows for, becomes an action of participating with the physicality of the world. It is through this engagement with actual form, as opposed to paper/ conceptual form, that realities of materials and dimensions, (weight, surface, actions of lifting, sliding, holding, and using), reveal themselves. The face edges of the box

when aligned with each other and linked within the frame. time). And as an architectural detail, this edge creates a shadow line that defines each box as an individual even (where an already rounded corner may allow for less actual and perceivable damage through wear and tear over the units. Also, these sharp edges tended to dent, so rounding them off provided for an idea of maintenance, their production. The MDF held a sharp edge, and necessitated change for comfort when lifting and handling variables created in this work are rounded both inside and out in response to multiple needs discovered through

tween owner, user, and architecture. the space and place in which they live. It is this which will further the project, as an ongoing relationship beventions provide. These users, dynamic variables, create the possibility for unknown actions through the use of ment will occur as a relationship between their own personalities and abilities, and the potentials that the interconstruction as an evolving form of engaging architecture. It is now in the hands of the tenants, whose involve-Acting through the role of landlord, the detailing of the stable and variable parts takes the process of Notes

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- 5 Ibid, p. 90.
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- 8 Ibid, p. 90.
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- 33 Ibid, p. 162.
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- 35 Steven Holl, Anchoring (New York: Princeton Architectural Press, 1989), p. 113.
- 36 Ibid.
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Figure 66. Author. Threshold frame/ wall in various states of use. Photograph.

Figure 67. Author. Threshold frame seen from the "bedroom" space. Photograph.

Figure 68. Author. Threshold wall filled, seen from the "bedroom" space. Photograph.

Figure 69. Author. Threshold as occupied space. Photograph.

Figure 70. Author. Box in-fill view from "living room" space. Photograph.

Figure 71. Author. Box in-fill view from "bedroom" space. Photograph

Figure 72. Author. Open frame threshold and boxes acting as furniture. Photograph.

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