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REhabilitate the Urban Context by REhabilitating Individuals through the REhabilitation of Buildings

Paloma del Mar Riego December 9,2010 Committee Advisors: Anda French & Bruce Abbey Syracuse University School of Architecture



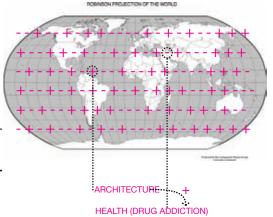
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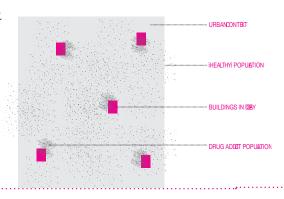
CONTENTION_Due to high numbers of drug addicts who find themselves homeless in urban centers the vacant buildings suffers great misuse and decay. This thesis intends to rehabilitate vacant buildings in urban centers. The architectural transformation of these structures into multipurpose buildings that will provide housing, recreation and rehabilitation programs for the individuals of the communities as a consequence will rehabilitate the urban context.

INTRODUCTION_In order to have a healthy world, all of its components (i.e. continents, countries, cities and individuals) must in turn be balanced and healthy. I have chosen to focus into two aspects that cause imbalance: architecture and drug addiction. I intend to ascertain how the Urban Context can be REhabilitated by REhabilitating Individuals through the REhabilitation of vacant/dysfunctional Buildings.

"Urban decay is a result of the interaction between social, economic and social changes in cities.(Skifter)" All of this changes play an integral part in the rapid emergence of vacant buildings in city centers. Furthermore, decaying cities become the "home" for the homeless and drug addicts who are looking for spaces where they won't be segregated from;

looking for spaces where they won't be segregated from; since these cities are developing segregated spaces.











In the island of Puerto Rico both issues are becoming evident even more so in the main urban centers. For purposes of this thesis I am looking at two urban centers of the city of San Juan which have more than 25% decaying buildings in their city center; the Historical Center of Old San Juan and Rio Piedras. Consequently both cities have a high population of homeless drug addicts which inhabit public plazas and vacant buildings. Initially, both sites will be analyzed. After the initial site analysis, a vacant building with strategic location and potential for architectural intervention will be chosen for the purpose of the design problem.

In terms of program healthcare typologies will be challenged to create new typologies that will provide the rehabilitating addict as well as the residents of the community with interactive wellness, merging wellness and greening wellness. Furthermore, the rehabilitation of the building and the new architectural interventions will be developed in a man friendly construction manner. The intention is to create a multipurpose building integrating the existing structure and building shell with an innovative architectural element.

Vacant building at Old San Juan historic center

^{2.} Vacant Building at Rio Piedras urban center

Photograph of homeless addict sitting at the steps of a vacant building in Old San Juan

Glossary

Rehabilitate to restore to its former state

Rehabilitate Someone_ to be restored to health or normal life by training and therapy after addiction

Rehabilitate a Building_"the act or process of returning a property to a state of utility through repair or alteration that makes possible an efficient contemporary use while preserving those portions or features of the property that are significant to its historical, architectural and cultural values" us secretary of Interior Standards

Non-Conforming when a person or a building is not fullfilling the expectations of society

The main focus of this thesis is to portray the relationship between rehabilitating individuals and rehabilitating buildings. For the context of this thesis, the term rehabilitate should be understood as the way to restore to a former condition. In the aspect of individuals they are to be restored to health or normal life by training and therapy after addiction. As for buildings, they are to be restored to their former condition through an architectural intervention that will improve their purpose.

In order to accomplish a coherent manifesto of how to rehabilitate the urban context by rehabilitating individuals through the rehabilitation of buildings I have driven this thesis through the analysis of three parallel subjects.

- 1. Architecture's Role in the Healing Process (Healthcare Design)
- 2. Rehabilitation of Buildings
- 3. Rehabilitation of Individuals

The question of how architecture can influence an individual can be traced back to the late eighteenth-century: the conviction that the designed environment contributes to the healing of patients. This premise leads into exploring healthcare design.

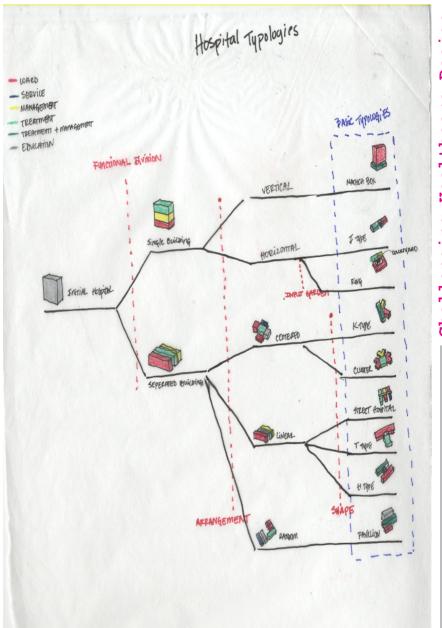
ADDICTS REHAB BUILDING

The way in which healthcare architecture has evolved shows how the buildings have always reflected the medical and institutional practices.

How to challenge hospital typologies?

- -Manipulating form into conventional building types.
- -Integrate nature.
- -Integrate to the city.
- -Integrate program that promotes social interaction.

Emerging from this point, finding a way to challenge Healthcare Design was the next step. In Amsterdam the Architecture of Hospitals has been questioned and explored since the late 1990's. As a result, the book The Architecture of Hospitals was published. As part of the publication, the Berlage Institute submitted a project "Building Hospitals - Hospital Building" which transform hospital typologies into performative typologies that appropriate existing architectural typologies forms. The concept of creating non-institutional spaces that would enable patients recovery was highly fancied.



Convention Center



A neutral space hosts the changing treatment facilities while being represented by an iconographic building for the public

Department Store



The program is arranged in relation to the infrastructural hub.

Housing



are seperated from the wards which offer unique character of being at home. Theme Park



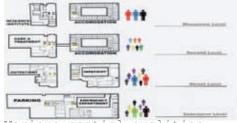
Mediacal treatment is structured according to themes in a green environment.

Airport



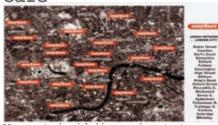
Medical companies are able to plug themselves into the facility which supports the patient with efficient infrastructures.

Hotel



Various spatial qualities which are related to the height of the building offer patients dif. types of accomodations.

Internet Cafe



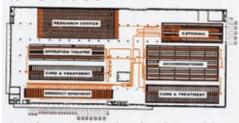
Vacant buildings host temporarily tratment facilities according to requirements of the city.

Roman Bath



The central treatment and ward areas in the healing garden are flanked by commercial facilities.

Warehouse



The issues of logistics allows a flexible distribution of various programs.

Domino's Network



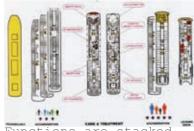
Basic medical facilities are spread throughout the city to guarantee fast emergency

Tourist Camp



In a green sorrounding each patient will get his individual accomodation.

Cruise



Functions are stacked due to different demands on spatial qualitreatment. ties.

Source: Berlage Institute, The Architecture of Hospitals.

From the diagrams illustrated on the previous page, three of those models were selected: the Theme Park(4), the Internet Cafe(5) and the Roman Bath(6). Specific programmatic elements were added to create three new Typologies of wellness:

Interactive Wellness

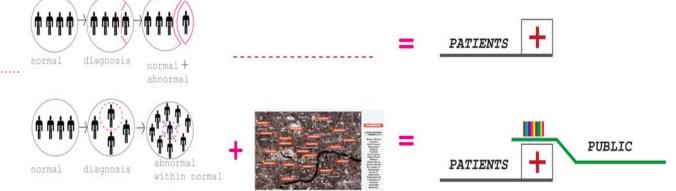
-Integration of Active program:

Merging Wellness

-Integration of addicts to the city by inhabiting buildings in the urban centers as rehabilitation.



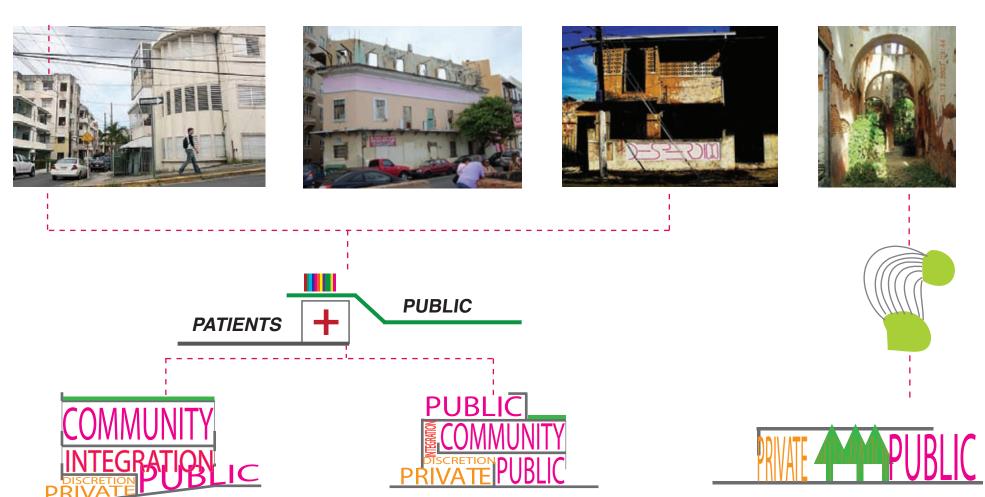
SICKNESS in the CITY



WELLNESS in the CITY

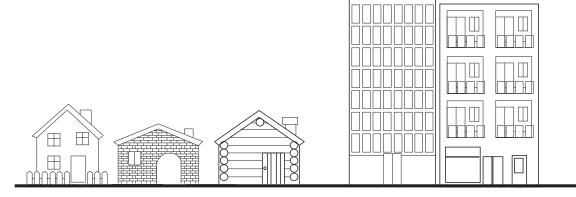
Greening Wellness -Integration of nature in buildings at urban centers that will house rehabilitation facilities.

From the three new typologies, two were selected as possible strategies that would have architectural potential with the existing structures of San Juan. The Merging Wellness offers the possibility of dealing with sloping site conditions where the public spaces can be accessed through one way and the private spaces can be accessed through another. This also would offer discreteness to the rehabilitating individuals. The Interactive Wellness offers the possibility of using courtyard spaces found in existing structures as a way of connecting different programs.

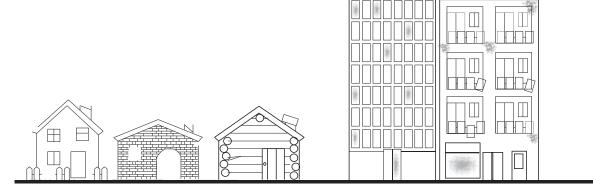


The notion of non-conforming conditions is one that has been present in our society for a very long time. But how can we establish that a building is in a non-conforming condition? When a building is no longer being functional, when it becomes vacant and most importantly when it contributes to the decay of its context. We have idealized conditions and the existing one's, which usually are the non-conforming conditions.

The second aspect that has driven this thesis is the Rehabilitation of vacant/decaying Buildings. The influence that the rehabilitation of a vacant building can have in the revitalization of its urban context is major. Taking into consideration Building Rehabilitation Guidelines, the rehabilitation process of the building intended for this thesis can lead into ways of integration with the rehabilitation of individuals.



BUILDINGS are OCCUPIED and in perfect PHYSICAL CONDITION



SOME BUILDINGS are VACANT and in DECAY

Building Rehabilitation Guidelines

- 1. Make every effort to use the building for its original purpose.
- 2. Do not destroy distinctve original features.
- 3. Recognize all buildings as products of their own time.
- 4. Recognize and respect changes that have taken place over time.
- 5. Treat sensitively distinctive stylistic features or examples of skilled craft work.
- 6. Repair rather than replace worn architectural features when possible. When replacement is necessary, new material should match old design, composition and color.
- 7. Clean facades using the gentlest methods possible. Avoid sandblasting and other damaging methods.
- 8. Protect and preserve affected archeological resources.
- 9. Compatible contemporary alterations are acceptable if they do not destroy significant historical or architectural fabric.
- 10. Build new additions so they can be removed without imparing the underlaying structure.



Negotiating Rehabilitation

Architectural Implications

Buildings Individuals Rehabilitation

- 1. physical
- 2. psychological
- 3. social
- 1. Individuals are physically rehabilitated by the reconstruction of

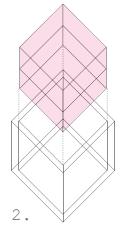
the building.

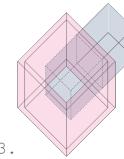
2. Individuals are socially interacting with the community while rehabilitating the building and revitilizing the urban context.

- 1. physical
- 2. social (urban)

- 1. Conserve the shell of the building
- 2. Since the funtion of the building will be different, interior alterations will be done.
- 3. Fusion of existing structure with contemporary architecture. (prefab?)



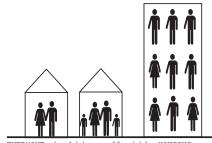


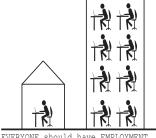


The third aspect driving this thesis is the Rehabilitation of the Individual. Going back to the non-conforming notions of society, individuals who are addicted to drugs and don't serve as productive members of society enable the decay of their

surroundings. We live in a society where we have the idealized social conditions in which everyone has a home, everyone is employed and everyone should have equal access to environmental amenities. Realisticlly and specially in the current situation of our economy we are certain that we are living non-conforming conditions where not everyone has a home, individuals have lost their jobs and some even work from home, and public infrastructure is not available for everyone.

This non-conforming notions of society have created a strong stratification in the structure of society. There is a clear distinction between healthy and unhealthy (drug addicts) individuals.







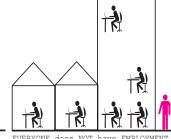
ERYONE should have affordable HOUSING EVERYONE should have

ENT EVERYONE should equall

access ENVIRONMENTAL

AMENITIES





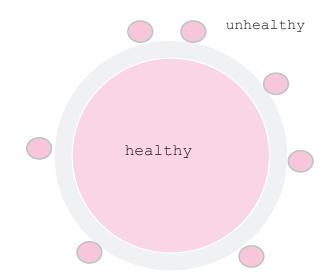


EVERYONE does NOT have EMPLOYMENT

HOMELESS are NOT ALLOW-ED equal use of ENVIRONMENTAL AMENITIES

Society creates a barrier between the productive (healthy) and unproductive (unhealthy) members of a community. Within the drug addicts population there exists a social structure. Usually depending on how long they have been addicts/homeless they start of as loners. A few months in they start creating communities and when they have lived in these conditions for more than a year they try to integrate with healthy individuals but this usually results in rejection.

For the purpose of this thesis, I have looked at the methods of rehabilitation from leading rehab organizations to learn from their techniques. Also the twelve steps of rehabilitation showed in the following page have a certain relationship with the rehabilitation process of buildings.





12 Steps of Alcoholics & Narcotics Anonymous Rehabilitation

- 1. We admitted we were powerless over alcohol and/or drugs—that our lives had become unmanageable.
- 2. Came to believe that a Power greater than ourselves could re store us to sanity.
- 3. Made a decision to turn our will and our lives over to the care of God as we understood Him.
- 4. Made a searching and fearless moral inventory of ourselves.
- 5. Admitted to God, to ourselves, and to another human being the exact nature of our wrongs.
- 6. Were entirely ready to have God remove all these defects of character.
- 7. Humbly asked Him to remove our shortcomings.
- 8. Made a list of all persons we had harmed, and became willing to make amends to them all.
- 9. Made direct amends to such people wherever possible, except when to do so would injure them or others
- 10. Continued to take personal inventory and when we were wrong promptly admitted it.
- 12. Having had a spiritual awakening as the result of these steps, we tried to carry this message to alcoholics, and to practice these principles in all our affairs.







Drug Addiction



+100,000 (2009)

Drug Addicts Admitted to Treatment Facilities



13,669 (2009)



94%



6%











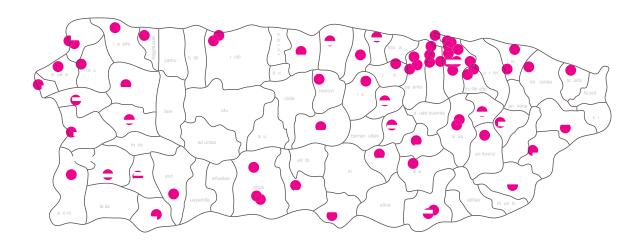
Treatment Facilities



151 (2009)

Treatment Facilities Operation

Private Non-Profit 116
Private for-Profit 14
Local Government 1
State Government 19
Federal Government 1





What is it? Communitarian based movement directed towards reeducation and the growth of character among an environment of home and extended family. It incorporates the valuable contribution of the resident in treatment and the Re-educated member of the program and the active participation of other profesionals.

Length of Program

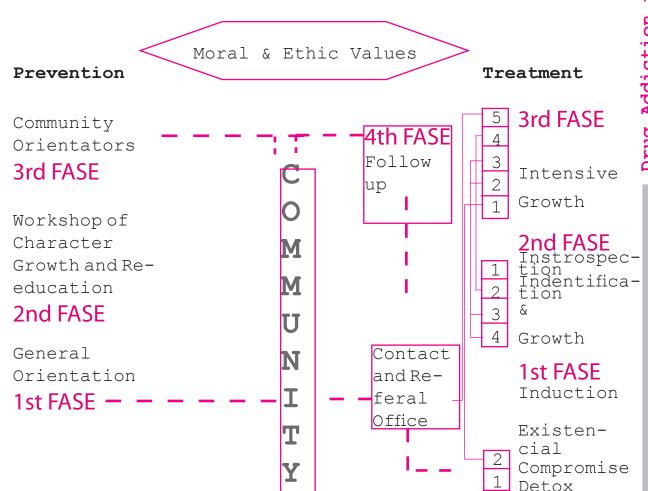
- -Residential 18 months (min)
- -Follow up in

Community_4years

Services Offered

- -Housing
- -Food
- -Helath Care
- -Detox
- -Social Workers
- -Psychological
- -Educative_Academic & Orientation
- -Transportation
- -Vocational Rehabilitation
- -Interagency Coordination Services to Residents and Relatives
- -Intervention with Relatives
- -Individual and Group Orientation
- -Therapies: Individual, Group, Confrontational, Ocupational, Educative, Salesmanship, Urbanity, Recreationg & Sports, Training, Spiritual

Structure of the Program





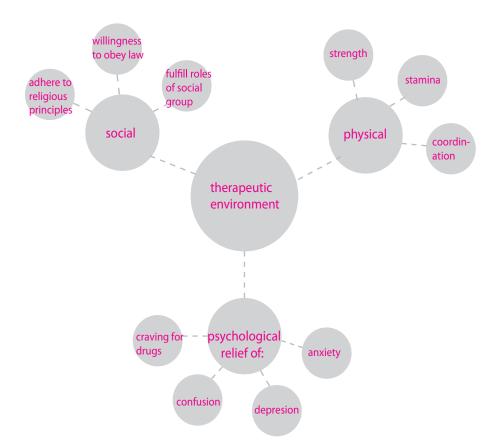
What is it? Communitarian based organization that provides health services, education and prevention to special individuals, that have been marginalized by the traditional health systems.

For Whom? Drug addicts, Prostitutes, Homeless, Young adults in risk of falling into addiction, HIV pacients, excluded communities due to economic disadvantage.

Programs:

Direct Services

- -Centro para la Vida: medical attention par HIV positive patients
- -Compromiso de Vida I: Residential Detox Program for Women. Services include: medical evaluation, case management, psychological, family, occupational, recreative, and educational therapies. Also transitory housing is provided.
- -Compromiso de Vida II: Residential Detox Program of 21 days for Men. Services include: medical evaluation, case management, psychological, family, occupational, recreative, and educational therapies.
- -Nuestra Casa: Houses homeless for the day. Food is provided daily for the homeless of the Hato Rey area. (Problematic: they are serving them in tents...so they serve the homeless without a real roof.)
- -Punto de Cambio- Program directed to those HIV positive or in risk. Organized in conjunction with another comunitary based organization which is, Lucha Contra el SIDA.



As a result of the driving elements of thesis, the idealization of a rehabilion on environment is created. A rehabilitation environment should be design to provide the areas of improvement: physical, social psychological. As seen in the diagram on left, the rehab environment can contribate a great deal to the process of rehabilitation.

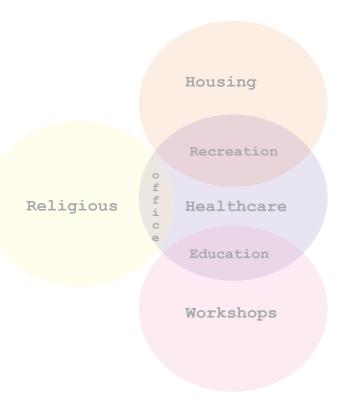
In order to lay out the program requiered the rehabilitation space of the building, this thesis, the idealization of a rehabilitation environment is created. A rehabilitation environment should be design to provide three areas of improvement: physical, social and psychological. As seen in the diagram on the left, the rehab environment can contribute a great deal to the process of rehabilitation.

for the rehabilitation space of the building, reahbilitation programs in Puerto Rico where visited and with their quidelines I created my own. One in which I stipulate the areas that they are missing and which are essential components to the rehabilitation of the individual. This diagram is found on the next page.

Throughout the process of investigation, I have found that the ideal space for rehabilitation should at least resemble a home. It is the "home" factor that most of this individuals are missing and what most of the buildings are lacking which is the sense of being the home to people, a business, or any other entity that might use them.

Essential Components of the Rehabilitation Environment

7				
n m	RESIDENTS	THERAPEUTIC TEAM	FACILITIES (they regabilitate	vacant
Environme	Development of Character	Influential Aspects to the	buildings in the communities in Influential Aspects to the	need.)
n		Development of Character	Development of Character	
tation E	TRUST	Individual Therapy	Home Image, Security, Control	
٠Н	AUTONOMY	Group Therapy	Facilities: house-hold items, offices	
Rehabil	INICIATIVE	Occupational Therapy	Workshops: spaces for a diversity of work-shops: cooking, art, woodshop	MISSING
	KNOWLEDGE	Educational Therapy	Library, study lounge with educational material, computer room	MISSING
	IDENTITY	Self Representation, Salesmanship, Recreation	Sign, Privacy, Sports facilities	MISSING
	COMPROMISE	Confrontation, Mara- thon	Positive Messages Integrated in facilities	
	GENERATED	Family Integration, Training	Maintanence:Con- structionCrew,Gar- deningcrew,Cooking crew	
	TRANSCENDENCY	Spiritual Training	Chapel	MISSING
	Source: The table is obtained from HOG	AR		



This multipurpose building consists of a varied program that will serve the individuals as well as the community as well. For this reason it deals with issues of public versus private and taking advantage from the site it is able to layer the program corresponding to its urban context.

Components:

-Kitchen	600sqft.
-storage	100sqft.
-dining room	1000sqft.
-Art Studio	2000sqft.
-Woodshop	2000sqft.
-Tech. Room	1000sqft.

-EDUCATIONAL SPACES

-Library 750sqft. -Study Lounge 500sqft. -Computer Room 450sqft.

-REHABILITATION FACILITIES

-Counceling Rooms(5) 100sqft. x 5(500sqft)
-Medical Rooms(5) 100sqft. x 5(500sqft)

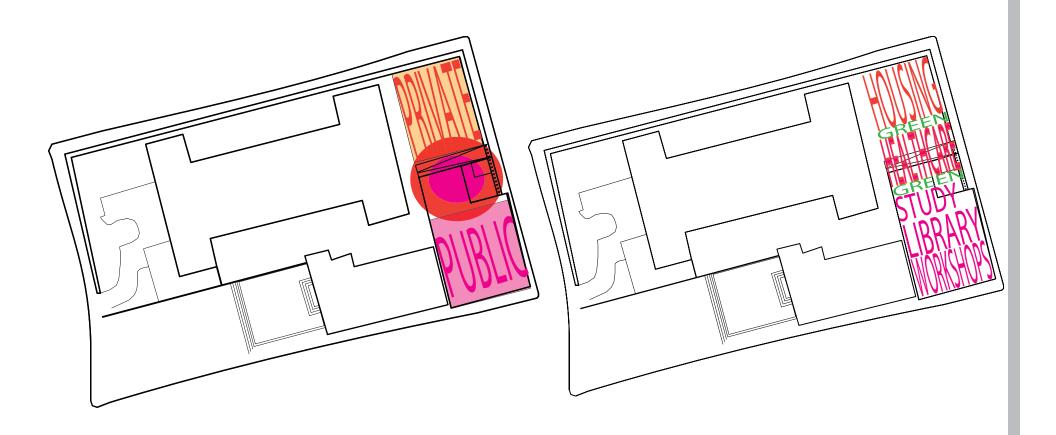
-Waiting Area 500sqft.
-Reception 200sqft.

-Offices(3) 100sqft. x 3(300sqft)

-CHAPEL 300sqft
-SPORTS FACILITIES 4000sqft

-HOUSING (65 Residents)

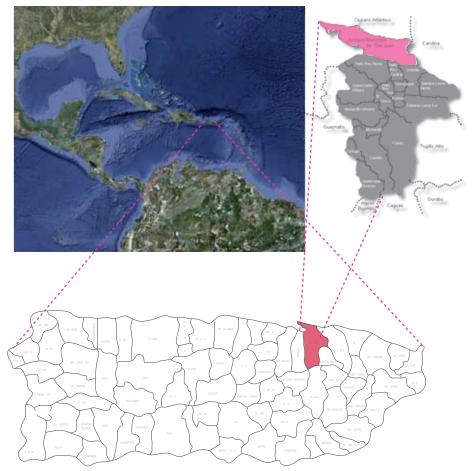
-PARKING (25)

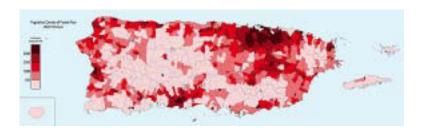


The site selected to test this thesis is located in Puerto Rico. Puerto Rico is a 100mi x 35mi island located at the Caribbean Sea. The thesis will focus on the city of San Juan located in the Northeastern part of the island.

Due to unstable political and economical realities, the metropolitan area of Puerto Rico has suffered from a vast amount of building vacancies and decay. Also modern structures have been preferred over the historic structures. Realistically, the urban centers of Puerto Rico have run out of land to build modern structures and it has a lot of vacant real estate.

On the other hand, as you have already seen, the rapid increase of drug addiction in the last fifty years is alarming. Certainly this individuals have impacted in a negative way the urban centers of Puerto Rico.





Basic Demographics_Puerto Rico



3,967,179 (est. 2009)

Basic Housing Occupancy_Puerto Rico



1,434,649 (total) 1,210,537 (occupied)



224,112 (vacant)

27,363 (for rent)

16,248 (for sale)

12,710 (not occupied)

32,041 (for recreation)

139 (for migrant workers)

69,650 (other vacant)

Basic Demographics_San Juan



434,374 (est. 2008)

Basic Housing Occupancy



178,426 (total) 148,373 (occupied)



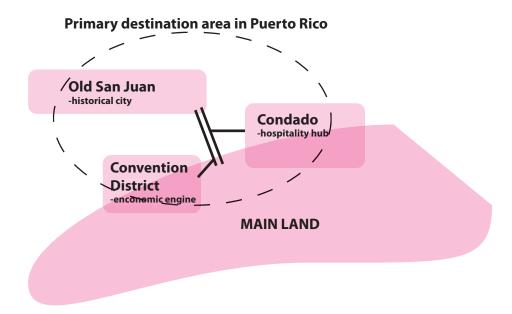
30,053 (vacant)





The city of San Juan is composed of 17 neighboorhoods. One of those neighborhoods, the Old San Juan is the primary tourist destination in Puerto Rico. The fact that it is connected to the mainland solely by three bridges and the only means of transportation is vehicular, it is not favored as a residential sector. Currently they are proposing a project "the Walkable City" which incorporates a tram into the Old San Juan hoping to facilitate urban revitilization.

The way this thesis collaborates with the process of revitilization is by responding to the issues of building decay and drug addicts/homeless population.





POPULATION

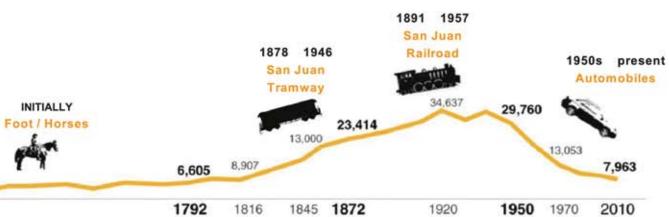
565

1625

3,000 1,763

1669 1673

Historic Trends_Relationship between Transportation and Population



TRANSPORTATION FOOT / HORSES 1800 1900 2000







AUTOMOBILES

The Old San Juan is composed of many realities. Historic structures of worlwide relevance, rundown residential neighborhoods, stunning coastline, abandoned waterfronts, monumental civic spaces are all present in the Old San Juan.

These many districts present a wide range of economic, environmental, and social challanges that must be addressed in order to rehabilitated the area. These issues are strongly connected. Each one is strongly interlinked to the others, to the Old San Juan's complex reality and to its rich past.

Understanding all of this positive and negative realities is essential to tackel in a project in the Old San Juan. The stricking fact that there are 43% of the buildings in decay at the Old San Juan is alarming.

The following images show a series of photographs that portray the realities found in the Old San Juan.









Source: Photographs obtained from Walkable City Presentation @ the City of San Juan website.









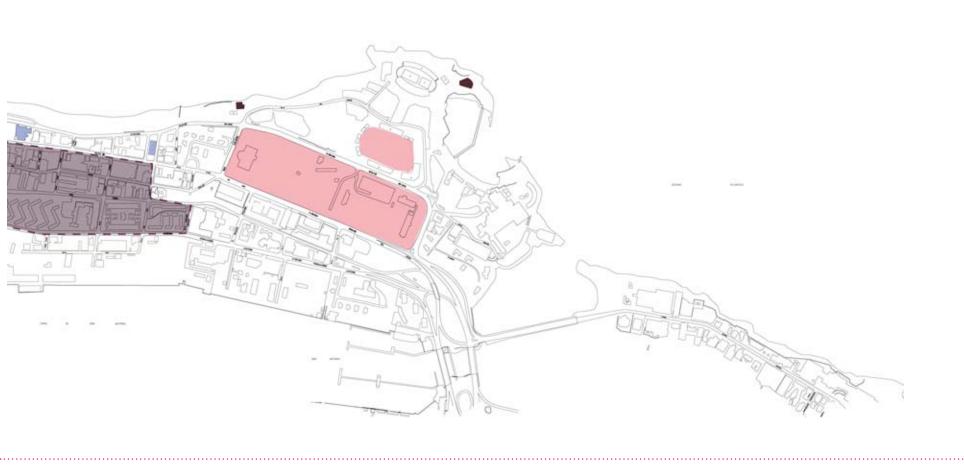
























Within the Old San Juan there are 3 neighborhoods: Puerta de Tierra to the east, San Agustin in the center and the Historic Center to the West. For purposes of creating a challenge in the design of this thesis, I have chosen a vacant/decaying building within the historic center. On the next page you find a map with all the vacant and abandoned structures in the Historic Center declared by the Urban Center of San Juan.

The building chosen is located at the corner of Calle San Francisco and Calle del Tamarindo. Right next to it the Catholic Church San Francisco. The challanges that the site offers are:

- 1. Decaying condition of building
- 2. Vacant land proximity
- 3. Slope condition

These challanges set up a great architectural problem and allow for a new architectural typology to emerge in this historic context.









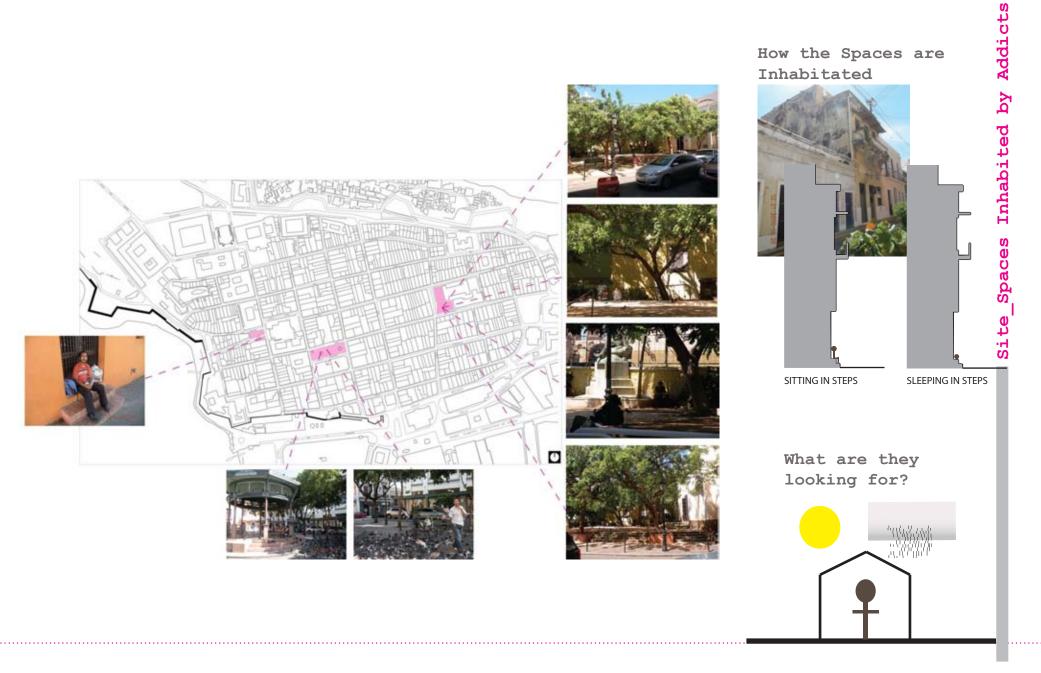
The conditions of the buildings inhabitad by these individuals may vary from fully functional buildings to completly vacant and decayed buildings like the images on the left. When they occupy healthy buildings they are restricted to inhabiting the steps or any other architectural element that may provide comfort and shelter from the floor. When they create their little communities they take over public spaces. They inhabit benches, tables, steps, platforms, etc. Basically they are looking for shelter, specially from the rain and the sun. The map on the next page shows the three main spaces that are inhabited by drug addicts/homeless in the Old San Juan.

During a site visit I was able to interview a few of the individuals inhabiting these spaces:

"I have been an addict for 15 years and homeless for 8 years...yes it is tough but one makes mistakes and this is the only way to redem them, my family doesn't help me...the only thing I really need is shelter." Jose

"I have been "living" (if you can call this living) in Old San Juan for 9 months...well you know, we move around, Plaza Salvador Brau today, Plaza de las Armas tomorrow, some steps the next night...I survivie...yes, I have acquaitances but not friends, it is hard we are all looking for food and shelter...the worst is in the rain and if it's windy forget it, living hell..." Raul Perez

"Yes there are programs but I dont like being treated as a sick person...i want to recover my sense of home...a place where I am not judged...a place where I actually can get help and get better..."Maria Ramirez







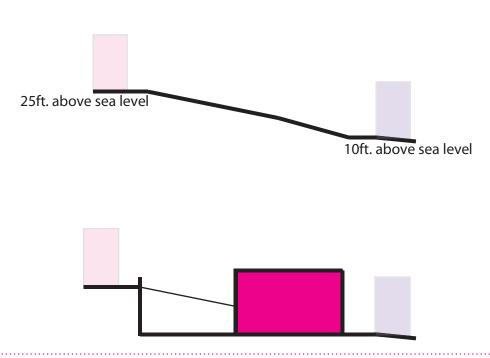


The building is located at a corner site on a slope. charasteristic of most of the buildings in the Old San Juan, the core building is colonial architecture in mason-ry construction. The vast majority of the housing buildings in the historic center of Old San Juan have the following architectural elements:

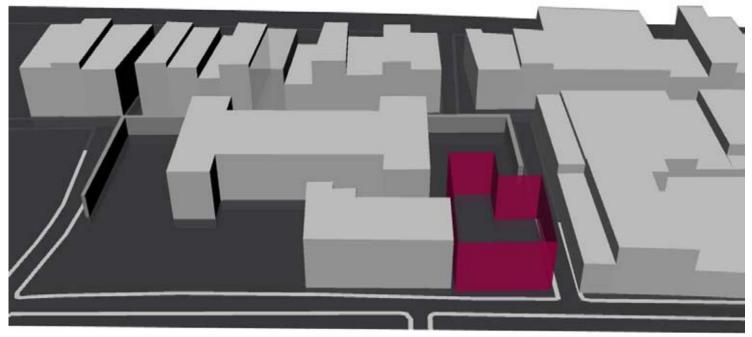
- -Courtyard in the Center of the structure
- -Wide Verandah
- -Cloister like roofing overhangs
- -Balcony running in interior and exterior
- -Hardwood Supports
- -Wide doors, letting ventilation through the building
- -High windows on the exterior
- -Deep long windows around upper story
- -Wooden fretwork screens
- -Double-hinged full or half doors, allowing privacy but encouraged refreshing breezes
- -Pitched and tiled roofs
- -Rooms were airy, with high ceilings and huge doors
- -Highly ornamented interiors
- -Hardwood ceilings
- -Great cedar beams
- -Carved embellishments
- -Finely paneled doors

From these architectural elements, the highlighted ones are present in the exisiting building. The rest will be taken into consideration in the architectural intervention aspect of the project.

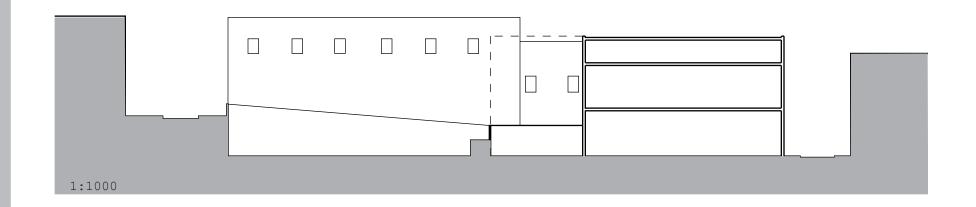








Initial Site Model



In this diagram the essential components of the rehabilitation environment are layed out in the site to show the organization of the program. Also one of the new typologies is integrated as a design proposal where the programs can overlap. PUBLIC Essential Design Rehab Techniques Components

CITE DE REFUGE_SALVATION ARMY PARIS_1933 LE CORBUSIER & PIERRE JEANNERETT

"The idea behind this building, and one that still applies today, was not simply to house the homeless, but also to transform these outcasts into useful members of society." Le Corb.

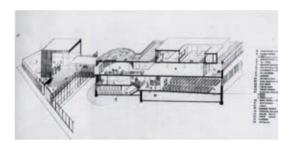
Le Corbusier - Big SOCIAL Move -He unites with the Salvation Army agenda

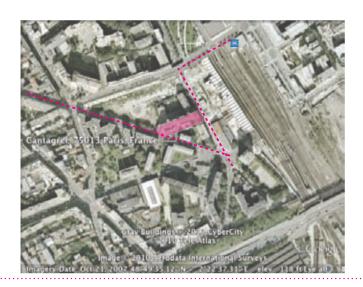
- -Interest in providing:
- --- Housing for the Homeless of Paris
- ---Comunal Spaces
- ---Rehabilitation Spaces

SITE- Urban Context

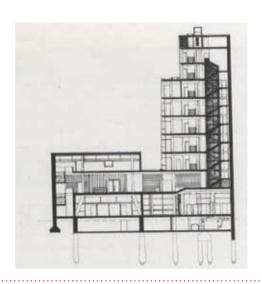
- --close to main road
- --accesible from two roads
- --close to public transportation(metro)

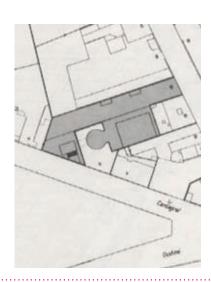


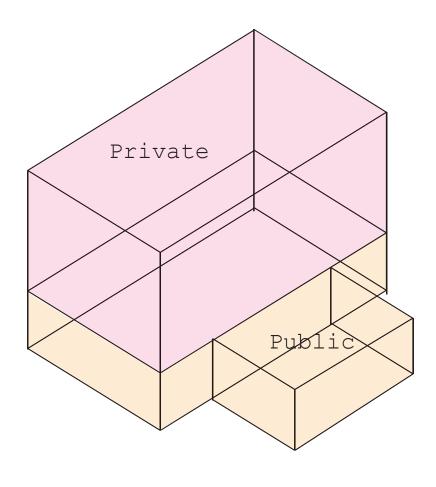












PAIMIO TUBERCULOSIS SANATORIUM FINLAND_1932 ALVAR AALTO

Aalto's starting point for the design of the sanatorium was to make the building itself a contributor to the healing process.

In the early years the only known "cure" for tuberculosis was complete rest in an environment with clean air and sunshine. Thus on each floor of the building, at the end of the patient bedroom wing, were sunning balconies, where weak patients could be pulled out in their beds.

SITE- Rural Context --issolated site

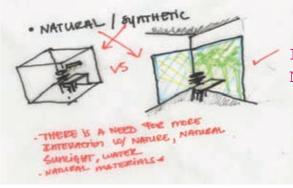
--not very accesible



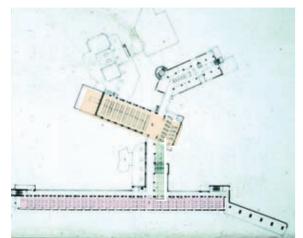


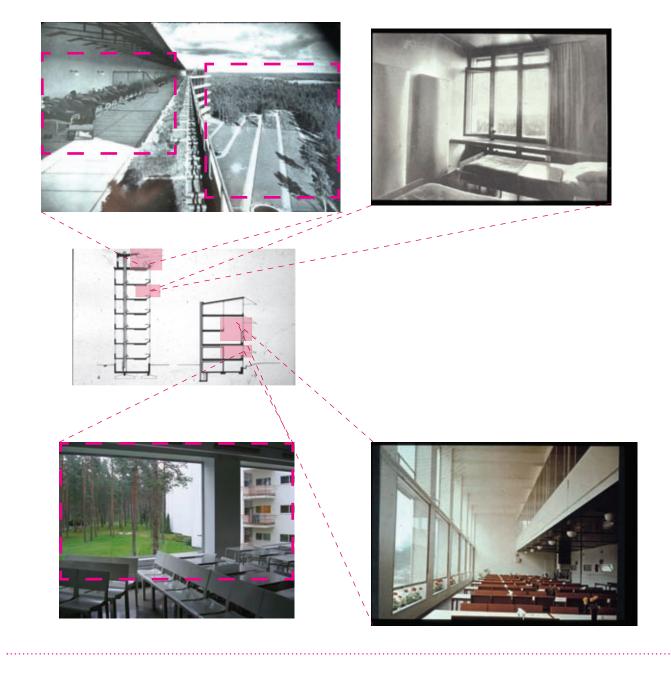






Life enhancing design-NATURE Integration





CEDARS CANCER CENTER

LOS ANGELES, CALIFORNIA_1988
Morphosis

Morphosis- This prototype for a more humane, patient-centered treatment process challenged us to develop new architectural solutions consistent with this spirit.

As a whole, the project represented a profound exploration of architecture's potential for communicating compassion and instilling confidence in patients' ability to fight a lifethreatening disease.

SITE- Urban Context

- --hospital wing
- --very accesible

PROGRAM

- -24 day hospital rooms
- -12 exam rooms
- -3 radiation therapy rooms
- -9 physician offices

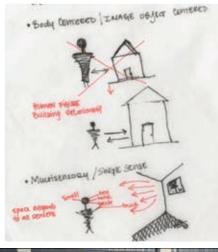






Life enhancing design-BODY/IMAGE CENTERED

MULTISENSORY







Center for AIDS Services

Oakland, CALIFORNIA

Morphosis- This prototype for a more humane, patient-centered treatment process challenged us to develop new architectural solutions consistent with this spirit.

As a whole, the project represented a profound exploration of architecture's potential for communicating compassion and instilling confidence in patients' ability to fight a lifethreatening disease.

SITE- Urban Context

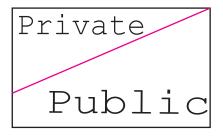
- --hospital wing
- --very accesible

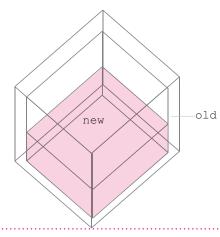
PROGRAM

- -24 day hospital rooms
- -12 exam rooms
- -3 radiation therapy rooms
- -9 physician offices









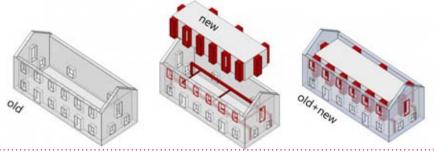
Old Butter Factory

Madeira, Portugal_ MSB Arquitectos

Located in a residential neighborhood of single family houses, the old plant has a characteristic image of the other houses surrounding it, defined by a typical architecture, with simple building blocks. The existing buildings are in an advanced state of disrepair. The architects rehabilitated the building in its pathologies, strengthening the structure of their walls, repairing the roof, and ensuring their finishes. The interior of the old factory was completely redone. The two floors were kept at the same level. The lower floor is divided into a kitchen, den and a large living room. The top floor houses 3 bedrooms en suite. The new program is inserted in this old building. These two buildings are faced. The intention was not to recreate the interior environment that ever existed, because the use to be made completely differs from the previous. The aim was yes, it can easily disentangle these two moments. A means of doing so was to create a "buffer" between the buildings, almost as if they were not touched.

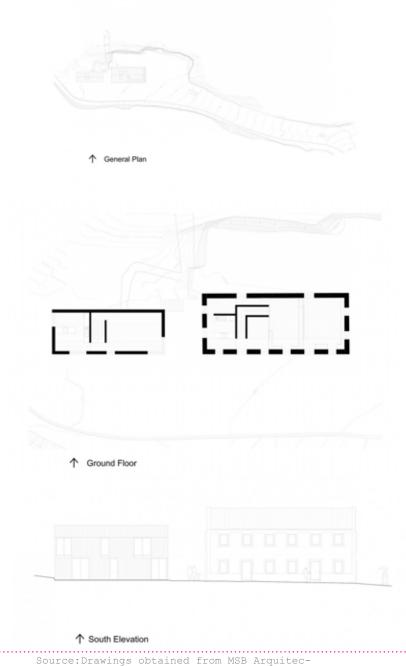






Source: Photographs and diagrams obtained from MSB Arquitectos.

Thus, the rooms upstairs detach themselves from external walls, are excluded. The light flows through these walls split, emphasizing that division, and revealing the new construction that seems suspended, only structured in horizontal steel beams. The appearance of the butter factory is preserved as the original. The volume that constitutes the support of the old bakery is in a state that does not allow any kind of rehabilitation. The intention was to preserve their location, their volume, and morphological characteristics. Within the program of a small house is divided on two floors. The lower floor will have a small living room and kitchen, and upstairs two bedrooms and a bathroom complete the program. This box is assumed as a novel intervention. Despite the maintenance of their location, volume, and coverage in two waters, the facades are a new dynamic with greater spans. The entire building is lined wooden plaque, showing clearly the construction and distinguishing it from the former, assuming the time it was built and in respect for the former factory. The volumes are a very close formal link, embedded in this landscape of great calm, who wished to remain unchanged in their intrinsic characteristics.



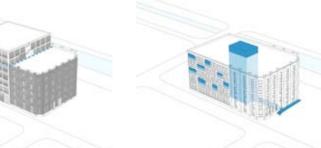
Source:Drawings obtained from MSB Arquitectos.

La Minoterie Roubaix, 59, France_2008 Tank Architects

The project deals about the rehabilitation of an old flour-mill and an industrial building in lofts along the canal of Roubaix. The structure was in very bad shape, and is now open to let the natural light enlighten the flats.

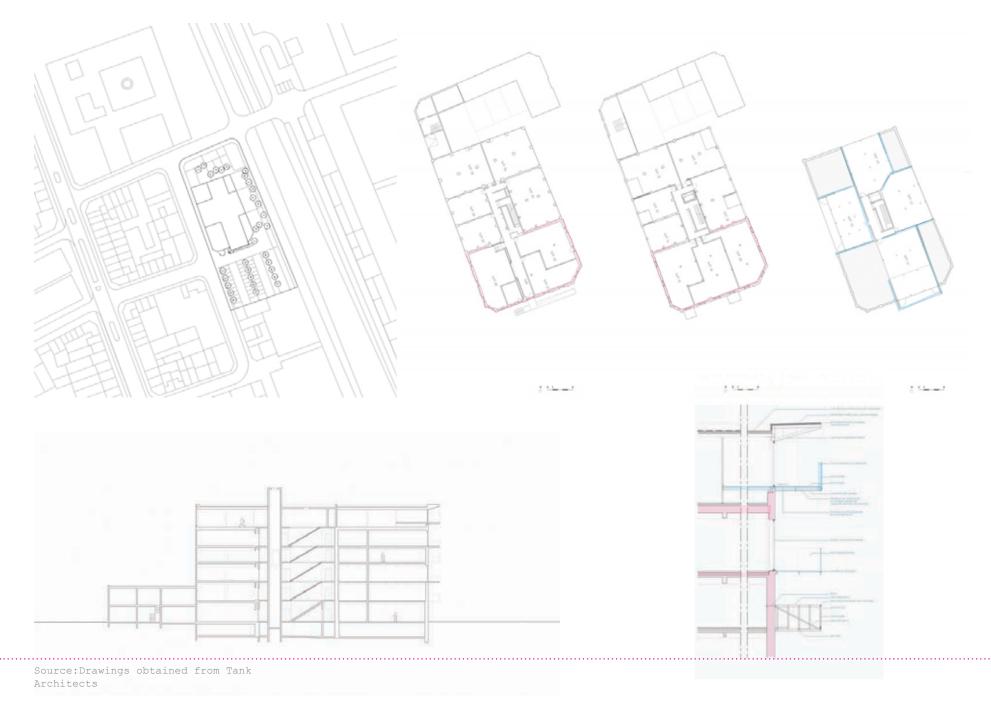
The project isn't a single renovation but also questions the notion of accomodation and offers to each flat, an outside space, a loggia, a balcony or a terrace. The extension dropped on the roof creates terraces and offers outstanding views towards the town and the canal. The technical methods to restore the concrete structure lead to a work on the brutality of material.







Source:Photographs and diagrams obtained from Tank Architects.



ທ Casa Sacerdotal Diocesana de ຕ່ Plasencia

Caceres, Espana_2000-2004 Miguel de Guzmán, Andrés Jaque, Enrique Krahe,

This great renovation in Plasencia, transforms an old and abandoned seminary into a residence for former priests and students. The Priest House, the first Catholic chillout world, is designed as a space that promotes conflict and controversy among its users. The Catholic Church has historically defined territory occupation superimposing two structures:

- 1 .- ideological structure, a tree with vertex at the Vatican.
- 2 . Points of direct action, bishopric-nodes in an interconnected network.

This pattern of implementation has refered social relations and integration into the territory of the individuals linked to the Church.

Clerical population in Europe has experienced a fast process of aging making it difficult the maintenance of an individualized attention model. Concentration of welfare services demand from the priests seglares a reconstruction of their relationship with territory [1] and to redefine its insertion in a community.









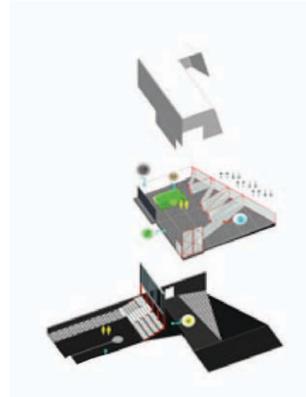
- [2] The project is the device that links this transformation by activating a set of:
- [1] Translation: synthesis and binding approach between landscape elements and users expanded [cuts ecosystems: meadows of cork oaks and pond, valley of cherry, citrus groves, objects, memory banks, books, sun, clouds, lighting, chimneys sensitive contacts: lime plastering, paving, shade, aromas] through the mediation of low-tech devices.
- [2] invites participation: elements that stimulate the response from residents and encourage partnerships and shared uses. Building opportunities

WORK_rehabilitation fifteenth century building [1628m2], building rehabilitation sXIX [896m2], building SXXI [1169m2] parking [362m2], garden [794m2], terraced [413m2]. Total 5262m2.

POPULATION_priests [some of them former students of the minor seminary] linked so far to different parishes of the diocese of Plasencia [maximum travel distance 210 km.]. Relatives, associates, assistants, visitors.

PROGRAM_21 individual apartments, 6 double apartments, 4 shared bathrooms adapted, 3 technical rooms, 2 rooms to visit, care 2 rooms, 2 special care rooms, 1 religious residence, 1 chapel, 1 chapel, 1 morgue, 1 parking, 1 room, 1 kitchen, 1 hall, 1 games room, 1 gymnasium, 1 library, 1 Gurugu, 1 laundry.



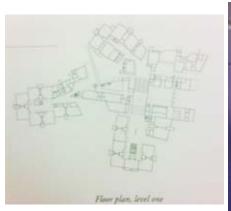


Built-in bedrooms

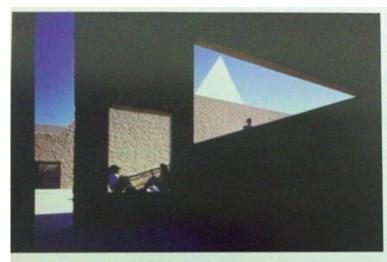
Ventana Vista Elementary School

Tuscon, Arizona Antoine Predock Architect

Lying at the base of Tuscan's Santa Catalina mountains, Ventana Vista Elementary School is unlike most traditionally planned schools. It responds to its environment and topography, a rich learning environment is created through the use of forms, textures, pattern, color and degrees of light and shadow. Based on a series of courtyards and passages pinwheeling around a centralized two-story library, the school itself is a teaching tool.







Left:
A block wall at the entry to the library, with openings for scaring and views, frames the central nancase from the B-52 coursyard. The namadic sent structure that covers the multi-purpose room is seen beyond.

The graffiti wall that is part of the fourth- and fifth-grade contract provides an evolving palette for individual expression and creativity.





Source:Human Spaces: Life Enhancing Design for Healing, Working and Living. Crisp

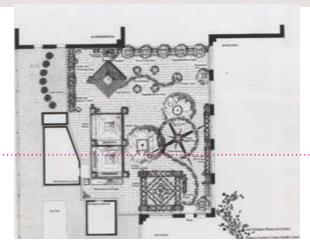
Joel Schnaper Memorial Garden

New York, New York
Dirtworks

The memorial garden is part of the Terrace Cardinal Cooke Health Center's AIDS unit which houses 156 residents infected with HIV. An adjacent 3,000 sqft. sensory rooftop garden provides a therapeutic outdoor environment for the unit, a key component of their day-to-day therapy. The design focuses on the specific needs and requirements of the HIV infected resident. It responds to the human heart and stimulates the senses, creating a life-enhancing environment. It illustrates the powerful connection of nature, healing and palliative care.



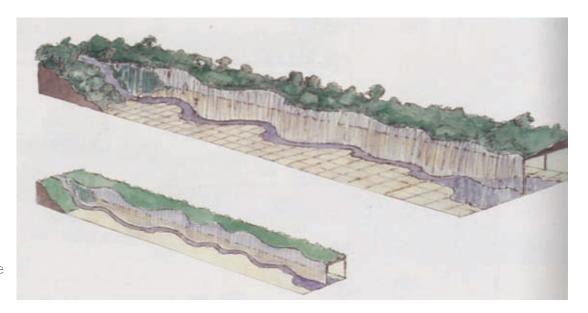


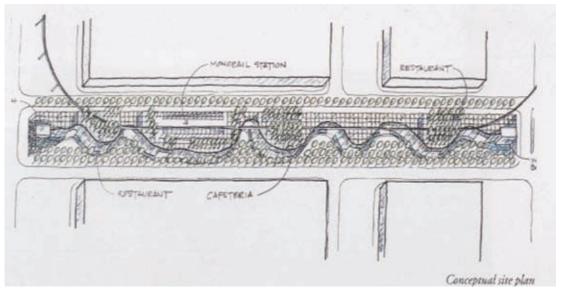


Avenue Number 5 World Expo Seville, Spain 1992

This public space project is one of five main pedestrian corridors providing access to the national pavillions at the Seville World Expo of 92. The concept is designed as a narrative experience.

Great historic environments have taught us that people relate favorably to a space in proportion to the respect it shows for their physical stature and sense of well-being. The use of intriguing visual features is essential and its captured in the expansive water wall. Equally important are elements that relate to body perception and multisensory experience, resulting in an environment that one can move through and interact with as well as hear, taste, smell and touch. In this environmwnt, visitors feel inspired to invent relationships with others and with the physical and aesthetic elements of the design.



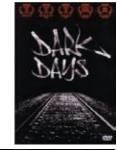


Dark Days Documentary

Director: Mark Singer (2000)

Homeless living in Amtrack tunnel

in NYC.

















HOME

-sense of home/security
-use of "trash" to
build shelter/home
-they have denigrated
themselves to live with
trash, rats, etc.

COMMUNITY

-clear social structure:
i.loners
ii.development of "families"
-avoiding the real world

NEW LIFE

-they were relocated after aprox. 20 years -relocated to public housing projects. -SUCCESS

Vacant Buildings within the historic center. Two buildings have vacant lots near them.



Vehicular Circulation

entry ■ exit



■Building Site Selected







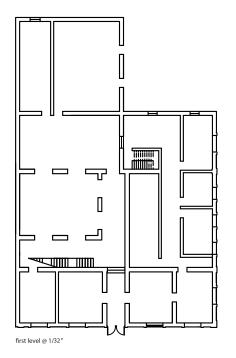


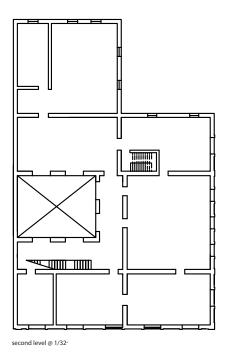


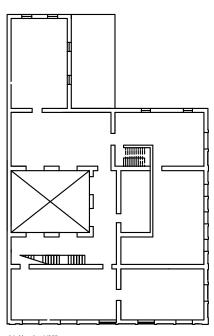


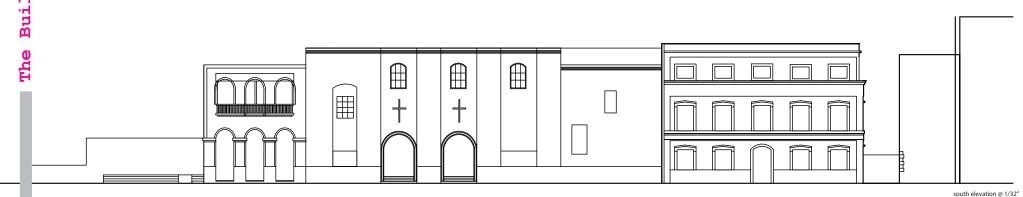


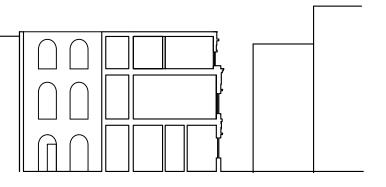
site plan @ 1/64"





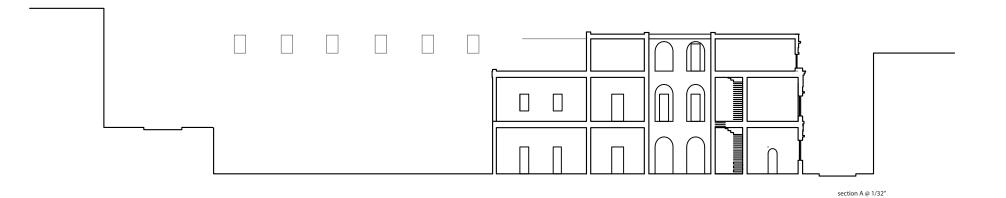




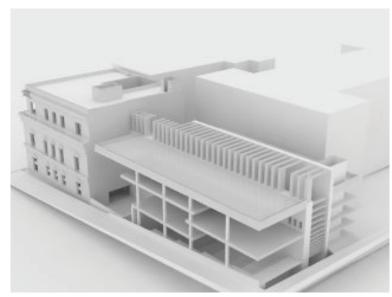


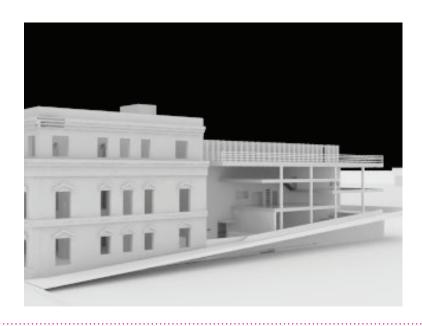
section B @ 1/32"

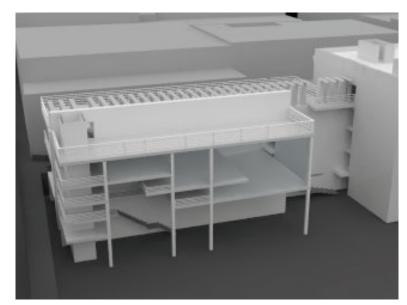


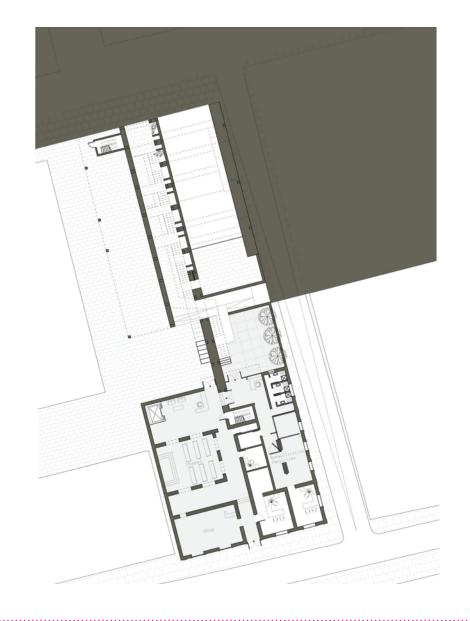


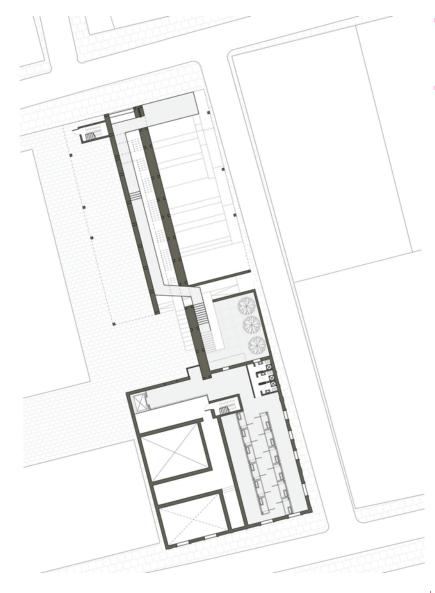






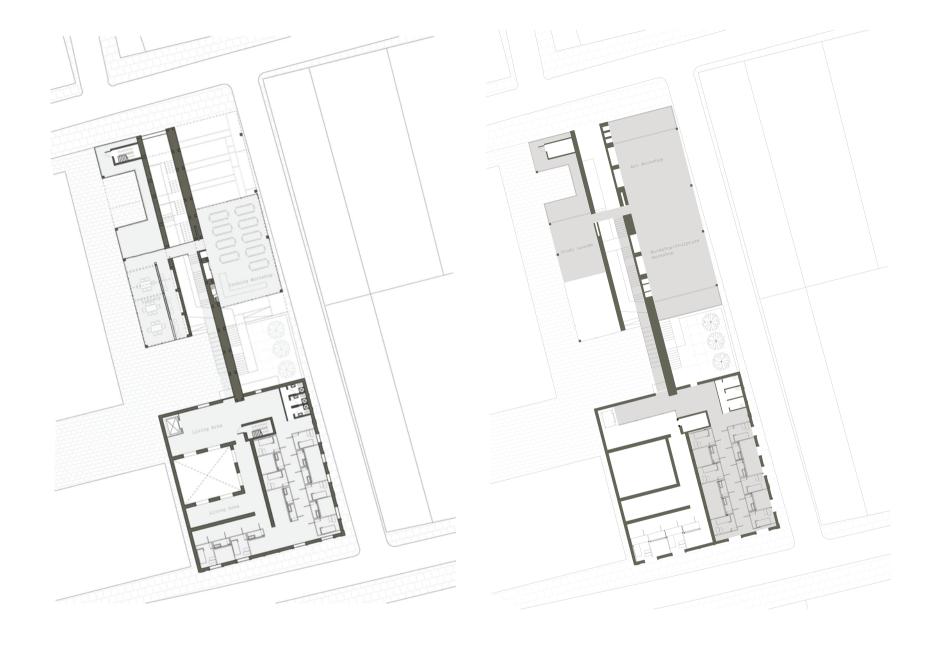






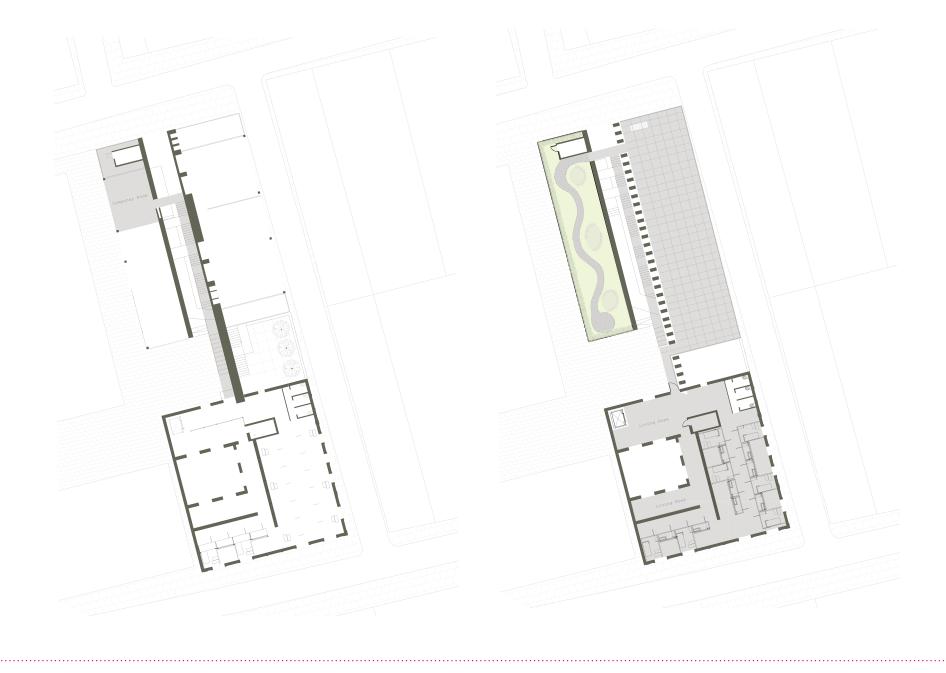






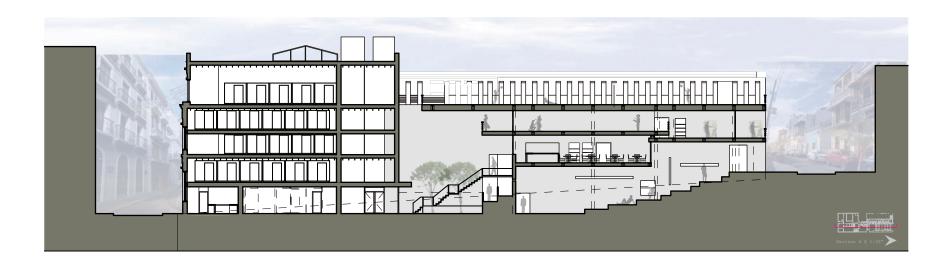


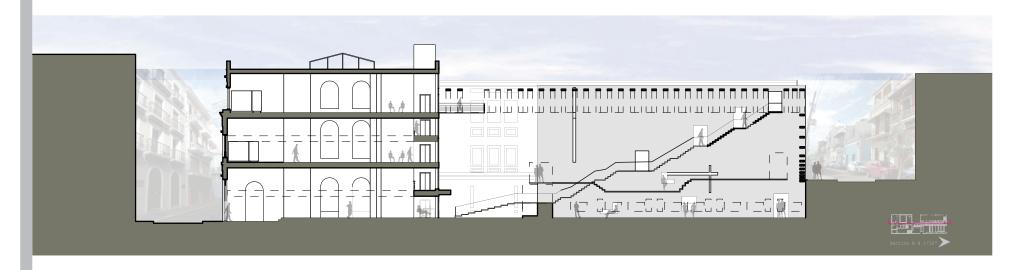




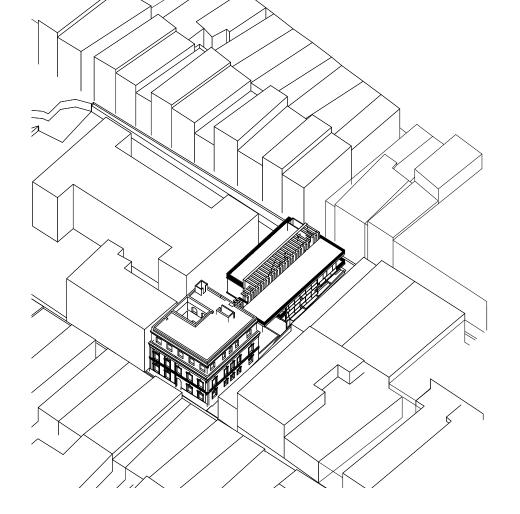










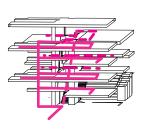


Circulation

Resident

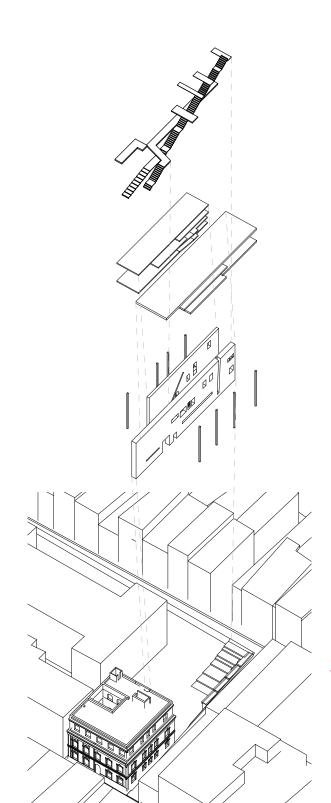
Family/Community

Homeless

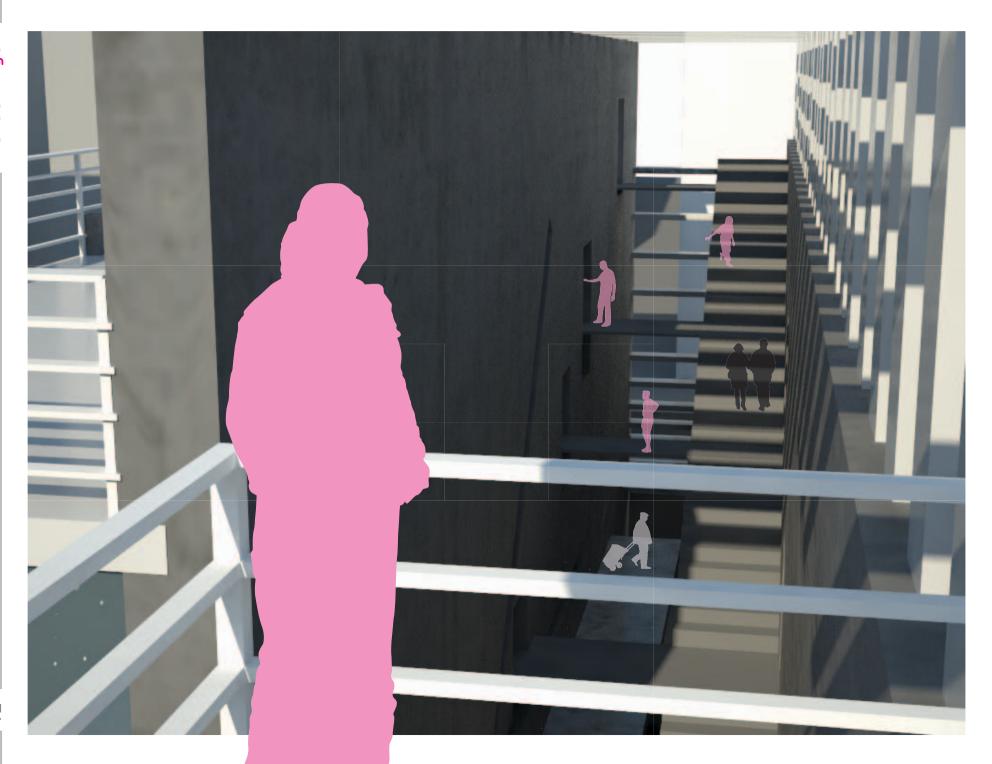
















Aminzadeh, Behnaz. "Spaced Out?: Is there a Relationship between the Design of Urban Parks and their use by Drug Ad dicts?" Landscape design.318 (2003): 23.

This article looks at two urban parks in Iran and studies how the design promotes drug addicts to inhabit those spaces. It proposes ways in which the parks can be redesigned and this way avoids secluded spaces and promotes inter action among the community.

Bowerman, Jennifer. "Designing the primary health care centre of the future: A community experience" Leadership in Health Services.19 (2006): 4.

This article describe and assess the process undertaken by Capital Health responsible for planning and develop ing a new primary care centre in an older urban, and demographically mixed neighborhood in Edmonton, Alberta, Canada. It focuses on the role of the community to have a successful centre in the area. Its approach is to describe how health centers, if they are to be fully effective in terms of meeting community needs, need more than technical excellence, they also need to fit in the community that they are being integrated to.

Crisp, Barbara. Human Spaces :Life-Enhancing Designs for Healing, Working, and Living. Gloucester, MA: Rockport Pub., 1998.

In this book, Barbara Crisp goes through a series of Residential, Industrial, Public, Retreats, Institutional and Health buildings as case study to formulate how they are successful as spaces for human interaction and human wellness.

Day, Christopher. Places of the Soul :Architecture and Environmental Design as a Healing Art. 2nd ed. Oxford England; Burlington, MA: Architectural Press, 2004.

This book gives a perspective into how buildings can affect their inhabitants by how they are perceived. Chris topher Day talks about how they can affect the human health and even planetary health.

Evans, Gary. "When Buildings Don't Work: The Role of Architecture in Human Health" Journal of Environmental Psychology.18 (1998): 85-94.

This article focuses on how architecture affects stress and as a consequence affects human health. It identifies five architectural dimensions that are linked to stress: stimulation, coherence, affordances, control, and restorative. These are defined and it offers way in which interior design elements may influence stress.

Goh, N.A., Yahir, M.K., Sulaiman, Mat. "Medical and the Architecture of Total Wellness: The Potential and Development in Malaysia" World Academy of Science, Engineering and Technology.53 (2009).

This paper discuss on how medical as the science and "art" of restoring human health and the art and science of designing built environment i.e. could carefully integrate from day one to plan, design and built a total wellness health care facilities which could benefit the users of all level and complement the system of medical services. It discusses the integration of medical services and architecture from the view of Malaysia contacts in particular.

Adjaye, David. Houses, Recycling, Reconfiguring, Rebuilding. New York: Thames & Hudson., 2005.

In this book you can find several projects from the David Adjaye firm, mostly in England. This projects focus on recycling, reconfiguring and rebuilding houses. It has been essential for this thesis as an example of how this architect deals with exisiting structures. Specially respecting the shell of the building to maintain the historic context and make an architectural internvention in the interior.

Brodsky, Carroll. The Rehabilitation Environment. Lexington, Mass.: Lexington Books, 1978.

In this book the rehabilitation environment is analyzed. They have studied the sociological aspects of the rehabilitation hospitals. It has been relevant in order to understand what has been the expected from rehabilitation centers.

Holcomb, H. Briavel. Revitalizing Cities. Washington, D.C.: Association of American Geographers, 1981.

This book contains a study of several cities in the United States that have suffered decay and have been able to renew through urban renewal. It has been relevant in learning from them and capturing elements that can be employed in the project.

Mumford, Lewis. The Culture of Cities. Westport, Conn.: Greenwood Press, 1970.

In this book Mumford describes the culture of cities from ancient civilization to his time. It has been essential in the sense that I have been able to understand how the city was expected to work.