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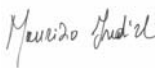
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CERRO CORDILLERA PILOT PROJECT (VALPARAISO)

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PREFACE

The work has been carried out during the *in situ* investigation of the Italian experts, done in the framework of two missions at Valparaíso (May and October-December 2007), with the help of many local Organizations. In particular, we appreciated very much the cooperation of the personnel of the “Oficina de Gestion Patrimonial - OGP” of the Valparaiso Municipality (head Paulina Kaplan Depolo, Sotero Apablaza Minchel, Mauricio Gonzalez Loyola, Claudia Zuñiga Jara, Carola Avalos Avalos, and Cristian Palma Valladares). Moreover, an important contribution (data collection and in situ work) came from Tomas Sturn (Universidad de Chile, Santiago). The help of the Valparaíso Firemen (“Bomberos and Bomba Italia”) Corp and the Police (“Carabineros de Chile”) has been indispensable.

Other important contributions came from the Office of Residential Development (“Oficina de Desarrollo Habitacional”), Oficina del Medio Ambiente, Gerencia Barrio Puerto de la I. Municipalidad de Valparaíso, Ministerio de Obras Públicas, Servicio Hidrográfico y Oceanográfico de la Armada de Chile (SHOA), Voluntarios Bote Salvavidas, Colegio de Arquitectos de la V Región, Las Juntas de Vecinos of the Cerro Cordillera, OREMI (Oficina Regional de Emergencia V Región).

Reference documents are the general progress reports [01-03] and other specific task reports [04-09].

1. Introduction

1.1 Urban restoration and management of cultural heritage

The research main objective has been the study of urban restoration strategies, especially focused on cultural heritage, managing various information sources. Therefore, our approach needed to identify specific actions addressed to the improvement of the built environment as a sum of constituent parts (including: buildings, public and private open spaces, urban circulation network, economic development, local cultural factors, public resources and services provided by the City). In fact, the built heritage should be considered as a part of a larger network, made up of different components, and it is impossible to intervene on a single item without recoils on the others. Thus, a work based upon urban dynamics methodologies tries to develop a process joining together analysis, project management and urban design for cultural heritage and open space restoration, focusing, as a starting point, the hazard evaluation of various natural (earthquake, tsunami, landslide, flood, etc.) and human-made (fire) disasters, together with the drawbacks due to structural vulnerability [06-09].

1.2 A multidisciplinary approach for an articulated cultural heritage

Upon the above said premise, merging together several approaches, the main goal has been to define what can be considered cultural heritage (and how many different types of it can be found), among the various components of the urban texture. In fact, it is imperative to identify the target in terms of buildings and elements characterizing the heritage value, not always remarkable in monetary terms. Therefore, the first step has been the definition of the guidelines to be used, in order to select the target of our study; structural continuity, architectural style, urban habitat typology are just a few of the elements that we may use for an effective categorization. The second step dealt with the choice of the buildings, as direct subject of the analysis, inside the study area. In this case, a well-articulated working program cannot neglect activities focused on the development of effective urban revitalization strategies; in fact, it is possible to identify with accuracy the buildings subject of the study only within the context of a clearly defined relationship between programs, projects and implementation plans.

Studying cultural heritage conservation and management, a simplistic approach should be avoided, i.e. considering buildings or building stocks as isolated items in a larger urban fabric. At the same time, in the choice of a strategy necessary to define an overlaying process of complex urban patterns (made of different kinds of intrinsic value, built up through time), it is not possible to take into account the entire urban development network. Therefore, attempting an analysis of all the various existing levels (buildings, open spaces, circulation network, cultural aspects, economics and socio-demographics aspects, etc.), it is indispensable to focus the attention upon selected reference value types, searching and highlighting the connections among them. This part of the work should be very rigorous, because it brings to define the basic group of variables (constituting the information underlying structure) to be applied in the framework of our analyses, which can be considered the real beginning of the urban planning revitalization process (interesting cultural heritage as well as other revitalization aspects).

Following the above mentioned working hypothesis, two levels of indicators have been taken into consideration. The first one concerned the architectonic quality, including urban design value and integration level of each single building; in a same way, also the open space system has been evaluated, identifying some indicators for quality, value and use. The second level is related to the structural aspects, mainly focused on structural vulnerability.

This approach allowed to define the framework of the study area (built, urban texture, open space and livability) and identify the different heritage typologies. In a subsequent phase, upon this representation model, a building stock was selected, by means of a cross-referencing analysis, to

focus structural vulnerability. Thanks to this technique, it has been possible to find direct relationships between information, useful for an urban strategy revitalization, and that driving to risk evaluation, with a specific attention to cultural heritage, identifying buildings or portions of the urban fabric for which restoration should be considered priority.

2. Identification of the study area

2.1 Historical Background

The selected study area is located inside the the Cerro Cordillera, part of the historic sector of the City of Valparaiso. It coincides with the site in which the old fortress, belonging to the colonial period, was erected (Castle San José, built between 1682 and 1692, defending the city against attacks launched from the sea), together with the residential quarter for the local government. Examining the historical maps¹, it is possible to identify shape and dimension of the fortifications, as well as what remains as a memory in the today's modern urban fabric. The first cartographical information, showing the Castle San José presence, appears in 1712 (Fig. 1). In this map, we can see the first urbanization of the linear city along the waterfront and the fortress located in a strategic position on the Cerro Cordillera.

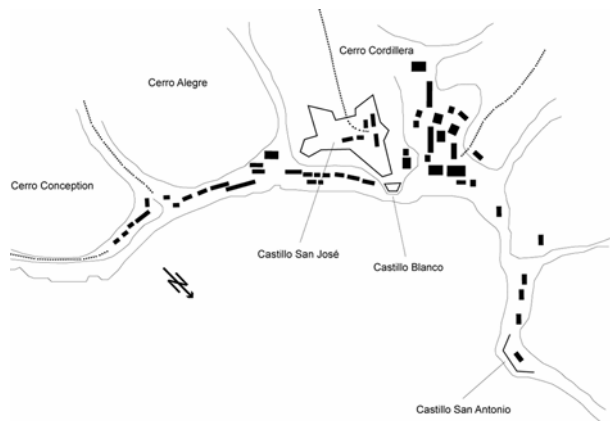


Figure 1: Valparaiso 1712. Theoretical reconstruction of the first urban center, with the presence of the Castle San José.

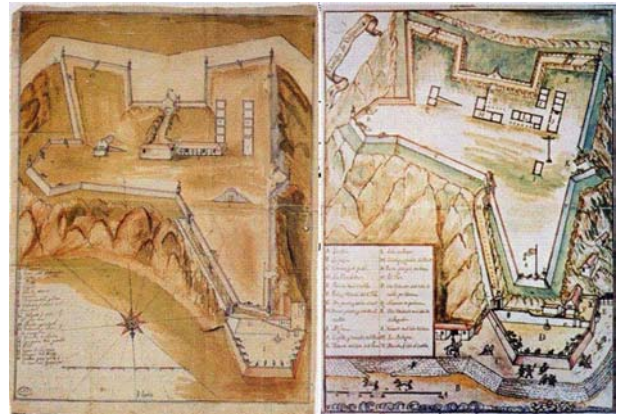


Figure 2: Castle San José in 1744; two drawings showing the internal organization of the fortress.

A more detailed description, appearing in 1744 (Fig. 2), shows the internal organization of the military parade ground with a path that demonstrates the elevation difference between the higher fortification and the Blanco Castle, the governor's residence. This path, identifiable as the first manifestation of Calle Castillo, was the protected road connection between the fortification system, allowing a safe troop movement between the two fortresses. By attempting to superimpose the historical maps on the current existing conditions, we can see how the coastal line has shifted over the time and how the first urbanization corresponded to the convergence between the line of the Cerro system and the ocean. The San José Castle was strategically positioned for the defense of the first urban center of Valparaiso (Fig. 3).

The fortification was completely destroyed by the 1822 earthquake. In its place, between 1840 and 1844, a colonial style residence was constructed. This building, the present Lord Cochrane Museum, functioned for many years as the place of the first Chilean astronomical observatory, under the direction of the scientist Juan Mouat. The Cerro present-day urbanization does not permit immediate recognition of the signs from the past, although we can rediscover them in the street

¹ The historical information and cartography reference is a paper written by Prof. Vincente Mesina Hurtado.

pattern, the remaining naturally occurring elevation differences, and, in some cases, in the buildings that have survived.

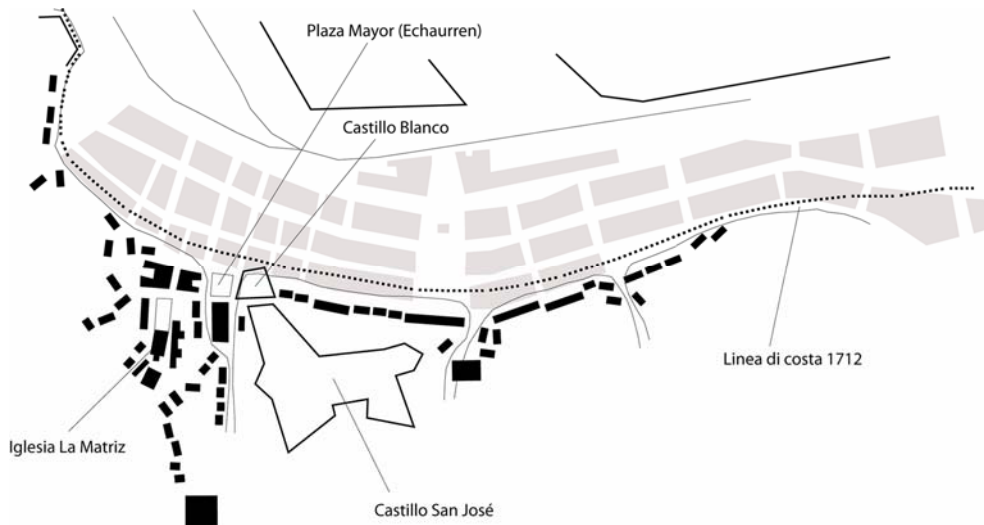


Figure 3: The urban structure compared with the first urban center of Valparaíso; the modern urban city structure is shown in grey and the buildings of the first urbanization in black.



Figure 4: The form of the fortification system compared to the present-day condition of the Cerro Cordillera; the historical roads that are still visible in the existing urban fabric, Calle Castillo and Calle Villagran, are shown in black.

A comparison, showing a theoretical historical reconstruction, allows to understand the elements still legible in the existing urban context. The protected road that connected the two fortifications is easily identifiable in Calle Castillo. The embankment that supported the fortification walls is still legible in the presence of the dramatic level change on the right side of Calle Castillo and a secondary connection road, Calle Villagran, still in existence and use (Figs. 4-8).

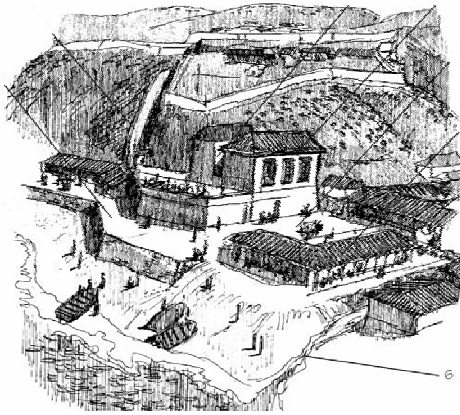


Figure 5: Theoretical reconstruction of the Cerro Cordillera as it was in 1822; Piazza Echaurren and the governor's residence are located on the lower level; behind it, the protected road can be found.



Figure 6: The present-day condition, seen from Piazza Echaurren; the arrow shows the entrance to the Cerro from Calle Castillo; on the left, the uphill path can be still recognized.

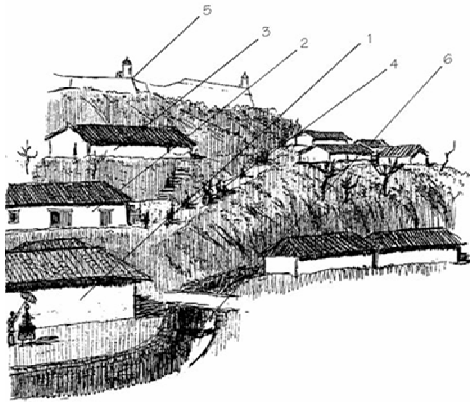


Figure 7: Hypothetical reconstruction of the Cerro Cordillera in 1822; Calle Villagran is at the lower level.

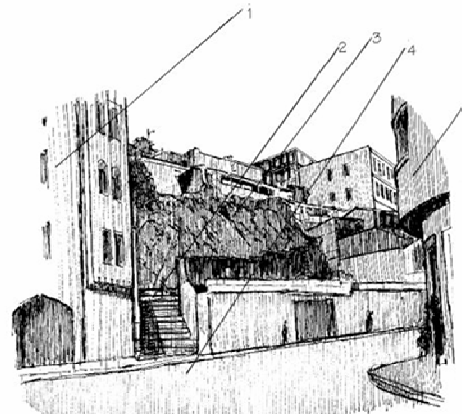


Figure 8: The present-day condition of the entrance to Calle Villagran.

The elements addressed don't necessarily demonstrate an "important" scale or impact, but they are historical records significant for urban heritage, at the level of urban space and memory, which can be taken into account for a revitalization strategy.

After the destruction of the fortification, the area remained substantially empty. A 1848 map (Fig. 9) shows how the urbanization was present only in the lower part of the Cerro. In this urban pattern, we can already note the presence of two long building masses parallel to Calle Castillo, corresponding to the present-day position of two of the most important blocks in the study area. From this central core, the present-day urban Cerro Cordillera layout took shape (Fig. 10). From a perspective view of Valparaiso and from historical documents of the period, we can discern how the Cerro would have become the favoured residential location. At the same time, the Cerro lower part, the present-day Calle Serrano, became one of the most important urban corridors of the city, attracting particular functions, such as commercial activity, city administration, offices and banks. The Cerro functional transformation into a residential area drove to the definition of a series of public open spaces and important infrastructure elements; the Mirador Purcell and the Plaza Eleuterio Ramirez, constructed in 1887, and the Cordillera and San Agustin funiculars, constructed between 1894 and 1913.

The population growth resulted in the creation of several buildings of a philanthropic nature. One example of this is the designation of an entire block for the construction of a building to accommodate families of the "Social Union of Order and Work" ("Unión Social de Orden y Trabajo"). Built in 1883 in an interior courtyard style, the building included forty-two apartments, distributed on three levels and served by an interior gallery.



Figure 9: Plan of the Port of Valparaiso in 1848; the blocks still present today in the urban fabric of the Cerro Cordillera are shown in red, the alignment axis of Calle Castillo is shown in black.



Figure 10: Panoramic view of the Cerro Cordillera showing the residential area; the bell tower of the Church of the Womb (Iglesia de La Matriz) is shown on the lower level right.

The buildings constituting the Cerro architectural heritage were constructed with various characters and kinds of materials. Two particular cases can be taken as representative examples of common types. The first (Figs. 11-12) is a small building, still in existence and documented in a historical photograph, that continues today to preserve in an unaltered form its original characteristics. Its gabled roof, wood and adobe construction type, and the presence of an entrance portico are recognizable elements of an architectonic language, originating from a very specific residential typology, that eventually came to be expressed in different ways in other buildings, although in a variety of forms and dimensions. The second building (Figs. 13-14), located on Calle Merlet, represents a residential type intended for a larger number of families. The typology is organized around a central court with a series of loggias on the main façade. The façade grants access to the various building levels by way of a courtyard at the ground level, and a stairway leading to the upper level.

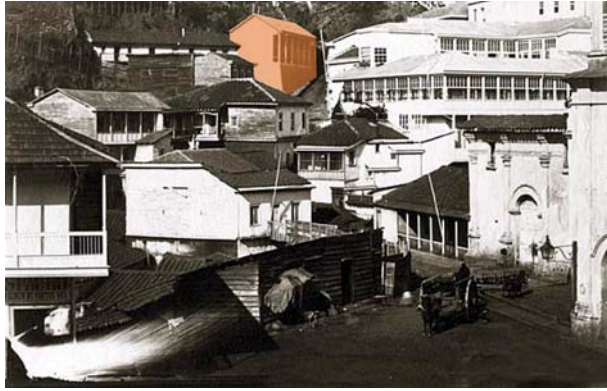


Figure 11: Historical photograph from the beginning of the 1900's, in which the building still in existence today (shown in red) is visible.



Figure 12: The present-day condition of the building shown in the historical photograph.



Figure 13: The Calle Merlet building shown in the panoramic view of the Cerro Cordillera.



Figure 14: The present-day condition of the building.

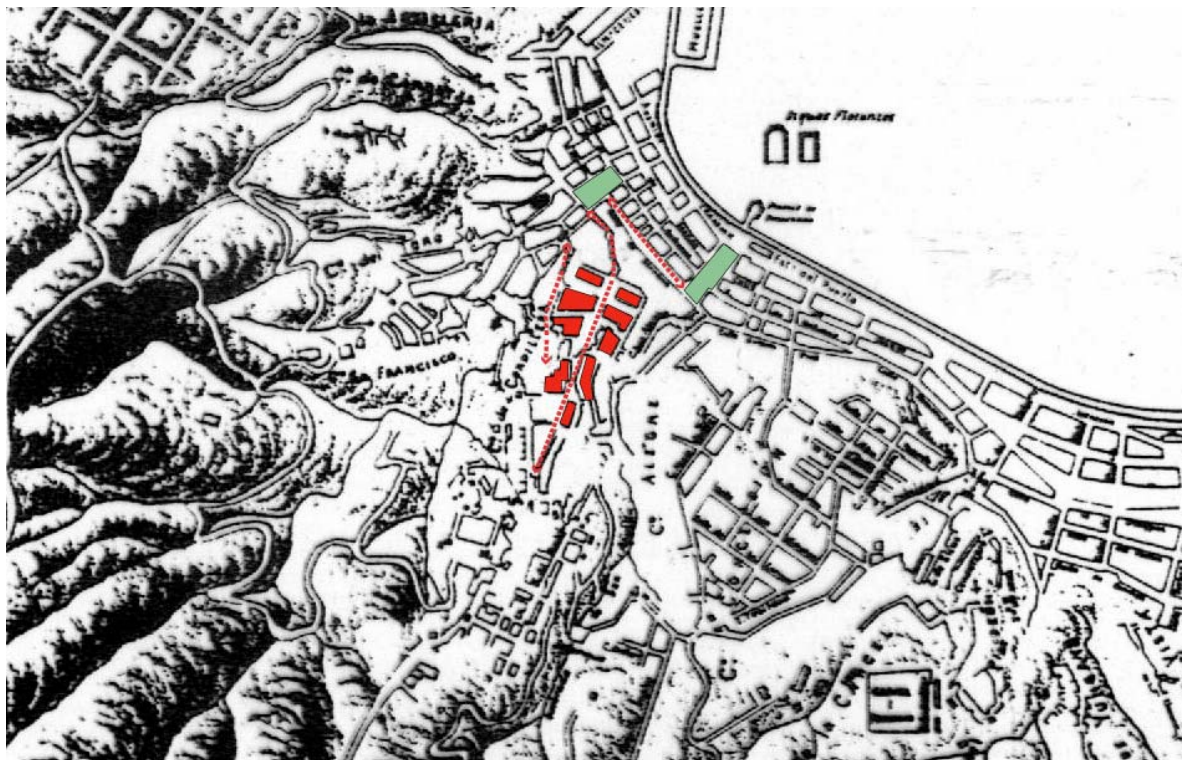


Figure 15: Valparaíso in a 1895 map; in red, the blocks located on the Cerro Cordillera and the principle urban connections; Calle Castillo, Calle Villagran and the present-day Calle Serrano, including Piazza Echaurren and Piazza Sotomayor.

This “historical” type (together with the “traces”, open spaces and various alignments of the San José Castle, that one can still read) represents a complex system of cultural heritage to be used as a starting point for an urban revitalization and improvement project for the Cerro Cordillera (Fig. 15).

2.2 Policy Context

One part of the Cerro Cordillera was declared a “Typical Zone” by the law for national monuments and identified in the Community Master Plan (“Plan Regulador Comunal”) as a buffer zone for the protection of the UNESCO designated area. One sector is considered part of the Historic Conservation Zone (ZCHA – ZCHLF), identified as the UNESCO zone (Fig. 16). In general, in the portion of the area that our project takes into consideration, the following regulations are in effect:

- as an urban sector, protected by the law for national monuments, law 17.228;
- included in an area declared a national monument in the category of “Typical Zone”;
- protected by the “Instructivo Especial de Intervencion Area Historica de Valparaiso” of the Secretary of National Monuments;
- protected by article number 60 of the General Urban Design and Construction Law since it became part of a Historical Conservation Zone in 1997;
- protected by the Community Master Plan; included as part of a Historical Conservation Zone;
- protected by international recommendations and agreements; designated as part of the area identified by UNESCO as World Heritage, in July of 2003.

2.3 Existing Urban Structure

The study area, selected in agreement with the local partners², is located in a great interest site, within the Valparaiso overall urban structure and the UNESCO designated zone: encompassing some buildings found in the first part of the Cerro Cordillera, delimited by Calle Serrano, Calle José Tomas Ramos, Calle Villagran and Calle Garces. The selection of this site is due to its excellent predisposition with respect to our project philosophy (architectural and urban design, cultural heritage and multiple risk management). In particular, the pilot project area shows an urban texture including a pattern of different residential types, a variety of circulation system types, and several public and private open spaces, with various uses. It is possible to point out three different areas: a portion in the UNESCO safeguard zone, a portion in the typical zone, better known as the “buffer zone”, and a remaining portion, which is not included in the above said zone of interest, but regulated by the Community Master Plan.

To better understand the study area (Fig. 17), we can examine the urban structure of the pilot study area beginning from the identification of different types of circulation corridors. The first one we have found, in order of importance, is Calle Castillo; it is a portion of the Cerro Cordillera characterized by the presence of large scale building typologies, with an average of two to three stories, built on regularized lots organized around this roadway network. The public open space is exemplified by the presence of Plaza Eleuterio Ramirez, located at the beginning of Calle Castillo, near Calle Serrano; it is characterized by a tree garden and a system of open spaces resulting from a recent revitalization project. This public open space is also an arrival and departure point for the Cordillera funicular and the Cienfuegos stairway, the main pedestrian accesses from Calle Serrano. The second urban corridor, defining the South-Eastern pilot area limit, is the Calle Tomas Ramos, springing two important connections to the Cerro Cordillera: the San Agustin Funicular (as matter of fact, a non-working facility), and a path that leads directly uphill to Calle Castillo; the built fabric is characterized by the presence of constructions sited on irregular lots in typologies of various scales and in a low state of maintenance.

² See the Preface.



Figure 16: Definition of the study area within the UNESCO classification; the purple border indicates the “historical conservation” area (UNESCO designated), the green border indicates the “typical zone” (buffer zone) and the red border indicates the Cerro Cordillera study area.

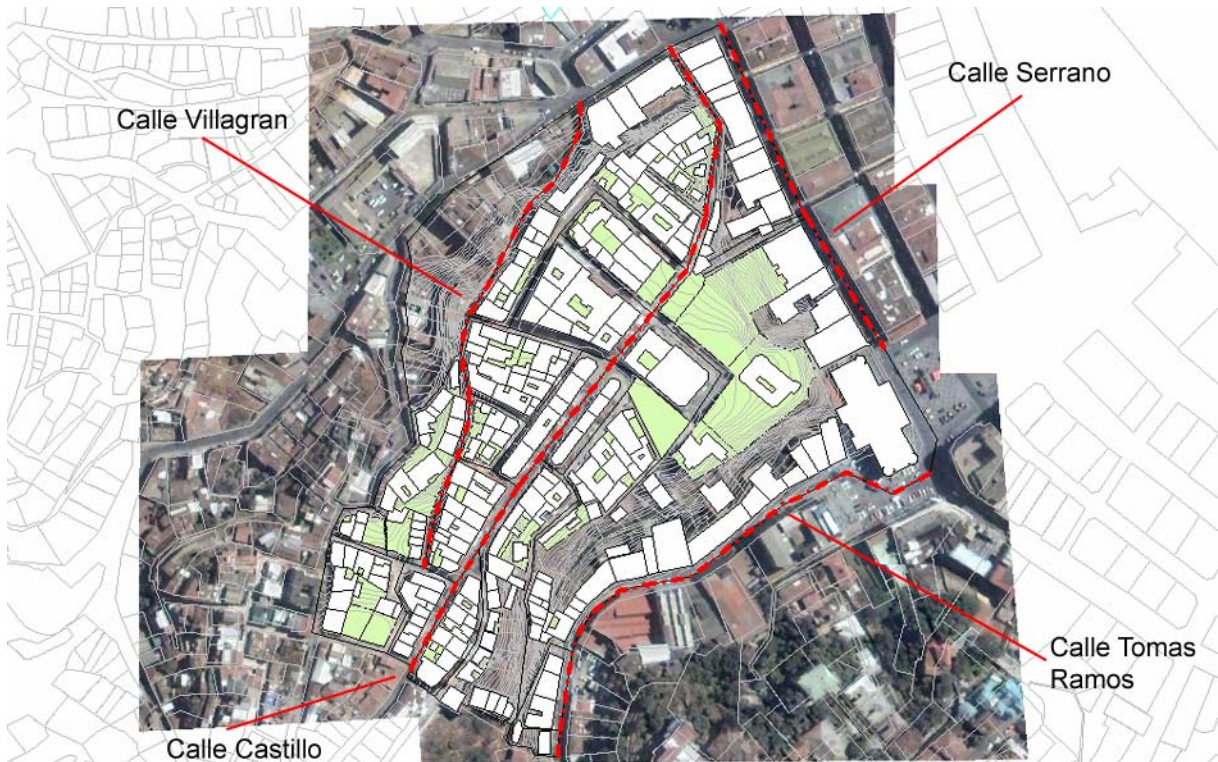


Figure 17: Identification of the study area and the organizing urban corridors.

The third urban corridor, that defines the study area North-West limit, is Calle Villagran, a direct connection between the Cerro Cordillera and Plaza Echaurren. This important historical roadway is in an extremely poor state of maintenance, like the majority of the buildings characterizing this

urban scenery. Notwithstanding its condition, it is heavily used as a favourite route by the Cerro inhabitants.

The fourth corridor, to the North-East, is Calle Serrano, one of the most important commercial streets within the UNESCO zone of interest and, in fact, part of a current urban revitalization project.

In general, from an initial visual analysis, the buildings condition in the study area is characterized by a lack of maintenance, driving to a rapid deterioration of the building heritage, because of the nature of the local construction techniques. The average building height reaches a maximum of four to five stories, with a minimum of a single story. In addition, the site shows several vacant lots, as result of demolition or burning of the pre-existing buildings. The public open space system includes Plaza Eleuterio Ramirez and another area used for various sport activities; the park for the Lord Cochrane museum, adjacent to this last example, cannot be considered a true public open space, because it is open only during museum hours.

2.4 The open space network structure

Within the study area context, the open spaces are divided into three categories; public places, private places related to the buildings, and areas still unutilized, following the flanking slopes of the Cerro.

The main public open spaces can be found at the Plaza Eleuterio Ramirez, near Calle Castillo, in an area outfitted for athletics, near the Mirador Purcell, near the observatory and in the park of the Lord Cochran Museum. Apart from Plaza Eleuterio Ramirez and the area connected with the Lord Cochrane Museum, maintenance and conservation conditions of these areas are not ideal, showing that there is a lack of strategic vision for the restoration of these spaces as a possible vehicle for architectural and urban revitalization projects.

In the case of the private spaces, their form and character are strictly determined by the residential type and the rules used in their construction. In the buildings interior courtyards we find gardens or large enclosed areas. For the most part, these areas are hidden by the existing enclosures. On the Cerro flanking slopes there are isolated areas lacking any maintenance or use, except those being used for dumping of garbage, covered by bushes and low level vegetation. These areas are very important, because they are easily visible from the urban open spaces adjacent to the Cerro. The open spaces connected with the Lord Cochrane museum need to be discussed separately; in fact, even if they appear well maintained, there is no effective connection with the Cerro internal urban structure. they are used, for the most part, by the tourists that visit the museum and organized around the access to the building.

2.5 Urban connections

The study area (Figs. 18-22) includes all of the main connections between the Cerro Cordillera and the rest of the city. This is particularly true both for pedestrian connections, heavily used, and vehicular roads.

Starting with the main pedestrian connections, particular historical interest is devoted to the funicular railways Cordillera and San Agustin, located to the North and South of the study area. In addition, Calle Castillo and Calle Villagran can be considered an important pedestrian network, as well as the path joining Calle Tomas Ramos with Calle Castillo.

The main vehicular connections are Calle Aduanilla (which begins at Plaza Echaurren, providing access from the bottom to the top for taxis and private vehicles), and Calle Castillo, the roadway crossing the top of the Cerro and providing access directly to the ring road.



Figure 18: The Cordillera funicular and the Cienfuegos stairway.



Figure 19: The existing condition of Calle Villagran.



Figure 20: The athletic activity area near Calle Castillo.

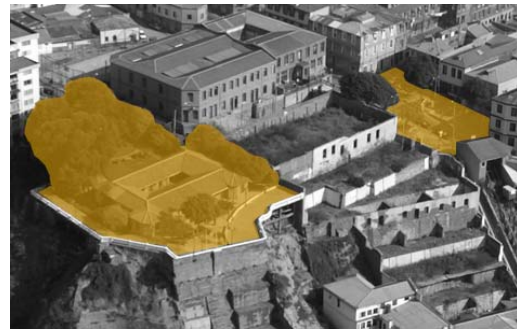


Figure 21: Lord Cochrane Museum Park and Plaza Eleuterio Ramirez.

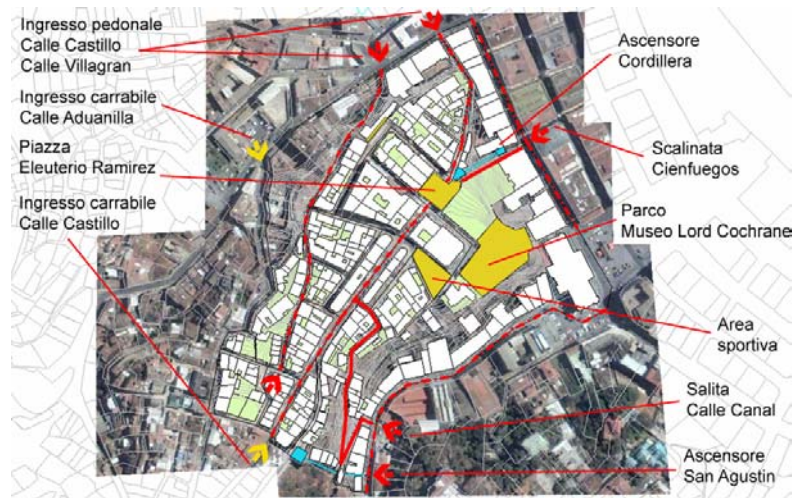


Figure 22: Connection network and open spaces inside the study area.

3. Objectives of the Pilot Project

3.1 The compilation of an urban inventory

One of the main tasks to define urban revitalization strategies deals with the compilation of an urban inventory using GIS technology³. This procedure permits to collect information in an easy way (descriptive information model) and facilitate to build up an urban model (geo-referenced vectorial model). This so-called urban inventory database allows to test a series of urban scenarios,

³ Geographical Information System. The GIS is composed of a series of software tools for acquiring, recording, extracting, manipulating and displaying spatial data from the physical world. An information system is used that is capable of producing, managing and analyzing spatial data related to each individual geographic element referenced with one or more alphanumeric descriptions.

in function of the information collected or generated. Moreover, through the GIS tools, it is possible to visualize and manage all the information related to a specific spatial position (local or regional). In the case of the Cerro Cordillera pilot area, the GIS model structure has been developed as a function of the items related to architectural and urban heritage. The “objects” constituting the urban fabric were identified (Table 1), divided into groups and features, and associated with basic reference geometries (Fig. 23).

Group	Feature	Basic Geometry
Built	Blocks	Shape – Surface
	Buildings	Shape – Surface
	Facades of the buildings	Line
Open space	Street network	Line
	Public space	Shape – Surface
	Private space	Shape – Surface

Table 1: objects constituting the urban fabric.

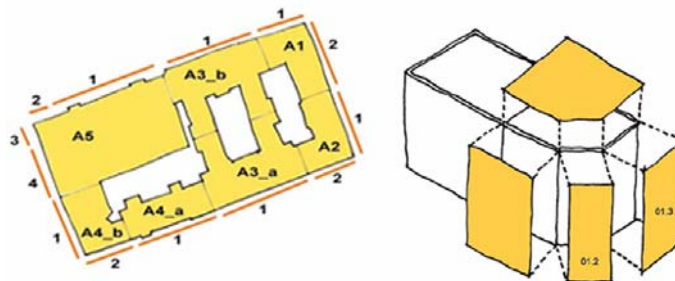


Figure 23: Proposed vector structure for the GIS model. The buildings, identified by a shape and a sequential number (ID number), the reference facade identified by a line.

This methodology permitted to build up an initial generic reference model, used for the in-situ data collection. Once outlined the basic geometry, the indicators, describing the “objects” to be surveyed, have been defined, creating a data entry form specifically designed to identify built and open space cultural heritage elements. This “Urban and architectonic analysis form”⁴ allowed to store information coming from both detailed maps prepared during the in the field survey, and existing archives. The metadata⁵, describing the type of the elaborated information, are shown by Table 2 and Figs. 24-33.

Building – General information



Figure 24: Identification of architectonic elements.



Figure 25: Land use type at ground floor.

⁴ See appendix 1 “Urban and architectonic analysis form”.

⁵ The metadata categories organize the information achieved through data resources, in order to improve clarity and ease of access to the data.

Table 2: Building – General information

Type	Description	Data
ID – GIS building number	Identify every single building present in the study area in a distinguishing manner	Numerical
Typology	Identify and describe the habitation type for every single building	Text
Architectural style	Identify and describe the various architectonic styles associated with the buildings	Text
Quality of the architectonic elements	Identify and describe the various elements (windows, balconies, decorations, etc.) that characterize the architectonic language of the building	Text
Presence of a facade of interest	Identify the presence of a facade or building face of interest within the form of the building	Text (Yes/No)
Number of floors	Describe, in number of floors, the height of the building. Identify the height from the ground to the slope of the roof	Numerical
Property	Describe the building's property (public, private, etc.)	Text
Recent alterations (in the last ten years)	Describe the modifications applied to the building (restoration, rehabilitation, etc.)	Text
Undergoing transformation	Describe if there are any and what work is being done on the building	Text
Vertical additions	Describe if the building has had vertical additions (a level, a terrace, etc.) if they are consistent with the overall character and the number of levels	Text - Numerical
Horizontal additions	Describe if the main body of the building has had horizontal additions (a small annex, a garage, etc.) if they are consistent with the overall character and the number of levels	Text - Numerical
Primary land use at ground floor	Describe what activity (primary) the ground floor space is used for	Text
Primary use of upper floors	Describe what activity (primary) the floors above the ground floor are used for	Text
Incompatible uses	Describe if the activity or the use of the building is not compatible with the building form or type	Text
Describe the characteristic building use	Describe the primary characteristic use of the building (specialized, residential, etc.)	Text
Building occupation	Describe the building occupation state (occupied, partially occupied, etc.)	Text
General architectonic quality	Describe the architectonic quality of the building in terms drawn from the previous observations (Architectonic style, quality of the architectonic elements, presence of a interesting facade, recent alterations, alternations in progress, vertical additions, horizontal additions)	Text
Level of interest	Describe the degree of interest of the building in terms drawn from the previous observations (Property, Occupancy, Ground floor and upper level uses, Functional characteristics)	Text
Level of integration in the urban context	Describe the level of integration of the building in terms drawn from the previous observatons (General architectonic quality, Level of interest, Incompatible uses)	Text

Building – General information



Figure 26: Identification of facade of urban design interest. Figure 27: Identification of number of floors.

Table 2: Building – Quality and Materials

Type	Description	Data
Roof type	Describe the observed roof type of the building	Text
External roofing material	Describe the observed external roofing material	Text
State or condition of the roof	Describe the observed exterior state or condition of the roof	Text
Primary load bearing structural typology of the building	Describe the primary load bearing structural typology of the building from the exterior (brick, reinforced concrete, etc.)	Text
External material of load bearing structure	Describe the observed exterior material of the load bearing structure	Text
State or condition of the building's structural integrity	Describe the observed state or condition of the building's primary load bearing structure from the exterior	Text
State or condition of the external finish material	Describe the observed state or condition of the building's external finishes	Text
Support Stilt typology	Identify if the examined dwelling type is, in part or completely, supported by a stilt structural system	Text (Yes/No)
Support stilt typology – Structural material	Identify the stilt structural system material	Text
Support stilt typology – State or condition	Describe the state or condition of the support stilt structure	Text
Out of alignment walls	In numerical terms, describe the degree to which the building is observed to be out of alignment	Numerical (Percentile)
Extent of surface cracking	In numerical terms, describe the extent of cracking present over the entire surface of the external walls.	Numerical (Percentile)
General condition of the building	Describe the current state of the entire building in terms drawn from the previous observations	Text

Building – Quality and Materials



Figure 28: Typology and material of the roof.

Figure 29: Structural material of the foundation typology.

<i>Table 2: Building – Main Facades</i>		
ID – GIS building number	Identify in a distinguishing manner every single building present in the study area	Numerical
ID – GIS building number	Identify in a unique manner every single facade of interest for the building being examined	Numerical
General composition of the facade	Describe the facade arrangement by describing the general composition	Text
Ground floor – principle exterior finish material	Describe the material type of the ground floor treatment	Text
Upper floors – principle exterior finish material	Describe the material type of the upper floor treatments	Text
Doors - form	Describe the principle form of the doors present on the facade	Text
Doors - Materials	Describe the principle construction material used for the doors (frame and panels)	Text
Doors – General condition	Describe the general condition of the doors	Text
Window - Forms	Describe the principle form of the windows on the facade	Text
Windows - material	Describe the principle construction material used for the windows (frames and panels)	Text
Windows – General condition	Describe the general condition of the windows	Text
Balconies - Form	Describe the principle form of the balconies present on the facade	Text
Balconies - Material	Describe the principle construction material used for the balconies	Text
Balconies – Balustrade material	Describe the principle construction material used for the balustrade	Text
Balconies – General condition	Describe the general condition of the balconies	Text
Ornamentation - Location	Describe the location of the ornamentation on the facade	Text
Ornamentation - material	Describe the material used for the ornamentation	Text
Ornamentation - Type	Describe the type of ornamentation	Text
Ornamentation – General condition	Describe the general condition of the ornamentation	Text
Facade – General architectonic quality	Describe the general quality or the facade in architectonic terms drawn from the previous observations (General composition of the facade, ground and upper floor materials, doors, windows, etc.)	Text
Level of interest	Describe the level of interest of the facade in terms drawn from the previous observations (General composition of the facade, ground and upper floor materials, doors, windows, etc.)	Text
Level of integration into the urban context	Describe the level of integration of the facade in terms drawn from the previous observations (General composition of the facade, ground and upper floor materials, doors, windows, etc.)	Text

Building – Main Facades

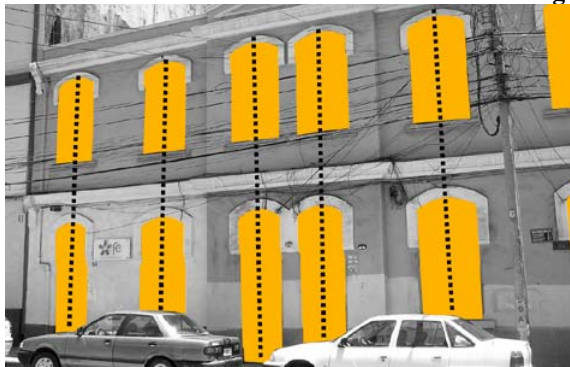


Figure 30: General composition of the facade; 1 layout.



Figure 31: General composition of the facade; 2 layout.



Figure 32: Identification of the building as a landmark within the quarter, either at the intersection of two streets or as an important urban set piece of a street. Figure 33: Identification of a building as a visual landmark seen from an important urban open space outside of the quarter (e.g. Piazza Echaurren).

Table 2: Open Space – Public and private

ID – GIS Open space number	Identify in a distinguishing manner every open space located in the study area.	Numerical
Space typology	Describe the typology of the space being examined (Piazza, garden, etc.)	Text
Ownership	Identify the ownership of the space surveyed	Text
Presence of vegetation	Identify the presence or lack of vegetation	Text(Yes/No)
Type of vegetation	Describe the vegetation type	Text
Surface material of open space	Describe the primary surface material of the open space	Text
Accessibility	Describe the type of access to the open space	Text
Transformation ability	Describe the potential for transforming the space in terms of typology, ownership and accessibility	Text
General urban quality	Describe the quality of the space	Text
General condition	Describe the general condition of the space in terms drawn from the previous observations	Text
Level of integration	Describe the level of integration of the space into the urban context in terms drawn from the previous observations	Text

Table 2: Streets

ID – GIS street number	Identify in a distinguishing manner every street section or path present in the study area	Numerical
Street type	Describe the principle characteristics of the street (commercial, residential, panoramic, etc.)	Text
Street name		Text
Primary surface material of the street	Describe the primary surface material of the street or path	Text
Presence of steps	Identify if steps are present	Text (Yes/No)
Type of accessibility	Describe the primary use type of the street of path (auto, pedestrian, etc.)	Text
Presence of parking	Identify the presence of parking area(s)	Text (Yes/No)
Urban safety	Describe the level of security of the street or path with respect to the urban context	Text
General urban quality	Describe the quality of the street or path	Text
General condition	Describe the general condition of the street or path in terms drawn from the previous observations	Text
Level of integration	Describe the level of integration of the street or path into the urban context	Text

3.2 Utilization of a variety of information sources

The previously described data entry form allowed to produce both a detailed description and a series of finalized judgements for several aspects or elements of architectonic and urbanistic value. The work also provided a description related to the structural vulnerability, as well as to building general health and safety aspects, developing a “second level”⁶ data entry form (see Table 3 and Appendix 2).

This form, like the previous one, is linked to the geometric data sheets identified in the GIS system. In this specific case, it has been of particular importance to describe, as best as possible, the building footprint of the “objects” to be surveyed, in terms of a unified building mass (continuity of the masonry work between the building stories, continuity of the construction materials, etc.).

In particular, in the pilot area case, all the buildings displayed a main structural system easily recognizable, even in the exterior, due to the presence of fire walls protruding the roof lines, allowing an easy identification due to the structural spacing increment.

The use of this vulnerability survey tool has been helped by the information obtained by the previously described architectonic - urbanistic data entry form (see Appendix 1). In fact, querying the GIS database, it has been possible to identify a proper subset of buildings (70 among 265, see paragraphs 4.1 and 6) to be studied with greater detail and depth, by incorporating the “second level” data, driving to the calculation of a specific seismic vulnerability index, as well as other general indicators for the entire Cerro Cordillera building stock.

In conclusion, this methodology permitted the development of an urban inventory, organized on the basis of various information levels: a variety of aspects, that may grow in quantity, depending upon the issues implemented in the database; the scale of the map representations, that form the vector model.

If the building units can be considered the core “objects” on which the study is focused, on the other hand it is possible to build up a unified digital geo-database⁷ for the integrated management of the building heritage, storing different data types depending on the amount of information sources (narrative, images, historical, etc.).

Thanks to this conceptual model, it is possible (in the framework of future developments) to link the data obtained by the entry forms used in our study (see Appendices 1 and 2) with the cultural heritage value obtained by a couple of MINVU⁸ tools (in detail, the Historical Real-Estate Conservation Value Index - “Ficha de Valoración de Inmuebles de Conservación Histórica”⁹ and the Historical Conservation Zone Value Index - “Ficha de Valoración de Zonas de Conservación Histórica”¹⁰).

⁶ See appendix 2, “Second level data entry form for the evaluation of seismic vulnerability (G.E.M.M.)”.




⁷ Data banks, with geographical references, organizing different information types (vector map representations, raster map representations, photos, descriptive data, etc). Different from a series of data banks for spatial data, the geo-database builds and maintains relationships between the collected data in a unified work environment.

⁸ MINVU – Ministerio de Vivienda y Urbanismo (Minister of Housing and Urban Planning), “Circular DDU N° 186 del 13.06.2007 sobre Planificación Urbana, Inmuebles y Zonas de Conservación Histórica”.

⁹ See appendix 3 - Ficha de Valoración de Inmuebles de Conservación Histórica (Survey form for Historical Real-Estate Conservation Value index).

¹⁰ See appendix 4 - Ficha de Valoración de Zonas de Conservación Histórica (Survey form for Historical Conservation Zone Value index).

Table 3: additional information sources

Information source	Description	Mapping reference geometry
<ul style="list-style-type: none"> • Urban and architectonic analysis form - Cerro Cordillera; • Second level data entry form for the evaluation of seismic vulnerability (G.E.M.M.); • Historical real estate conservation value index (MINVU); • Historical Conservation Zone Value Index (MINVU); • Socio-economic information about the residents; • Existing building codes and regulations (Community zoning ordinance, Cadastre); • Photographic archives. 	<p>Buildings – The information sources, related to the buildings, are of different nature and date (texts, numbers, images, etc.). The important issues lies on the identification of the specific subject.</p>	
<ul style="list-style-type: none"> • Urban and architectonic analysis form - Cerro Cordillera; • Second level data entry form for the evaluation of seismic vulnerability (G.E.M.M.); • Photographic survey. 	<p>Building views – The information, addressing the building views, is useful for the creation of an urban model, based on a perception analysis (urban landscape) and determining the location of potential rehabilitation proposals for the building facades.</p>	
<ul style="list-style-type: none"> • Urban and architectonic analysis form - Cerro Cordillera; • Landslide evaluation and analysis; • Accessibility information in case of fires and hydrant locations. 	<p>Circulation and open space system – The information related to these elements is useful for the construction of a GIS model based on the the perception analysis and for an effective open space management</p>	

3.3 An integrated GIS model

On the basis of the statements explained in the previous paragraphs, the GIS database, carried out for the Cerro Cordillera pilot area (integrating different types of information - architectonic, urban planning, structural, environmental, etc. - on an unified basis and in the framework of a shared model, as close as possible to the urban reality), can be intended as a first step towards an integrated system (Fig. 34) for urban revitalization and cultural heritage management and protection, within the Valparaiso UNESCO zone and, subsequently, in the whole Valparaiso City area.

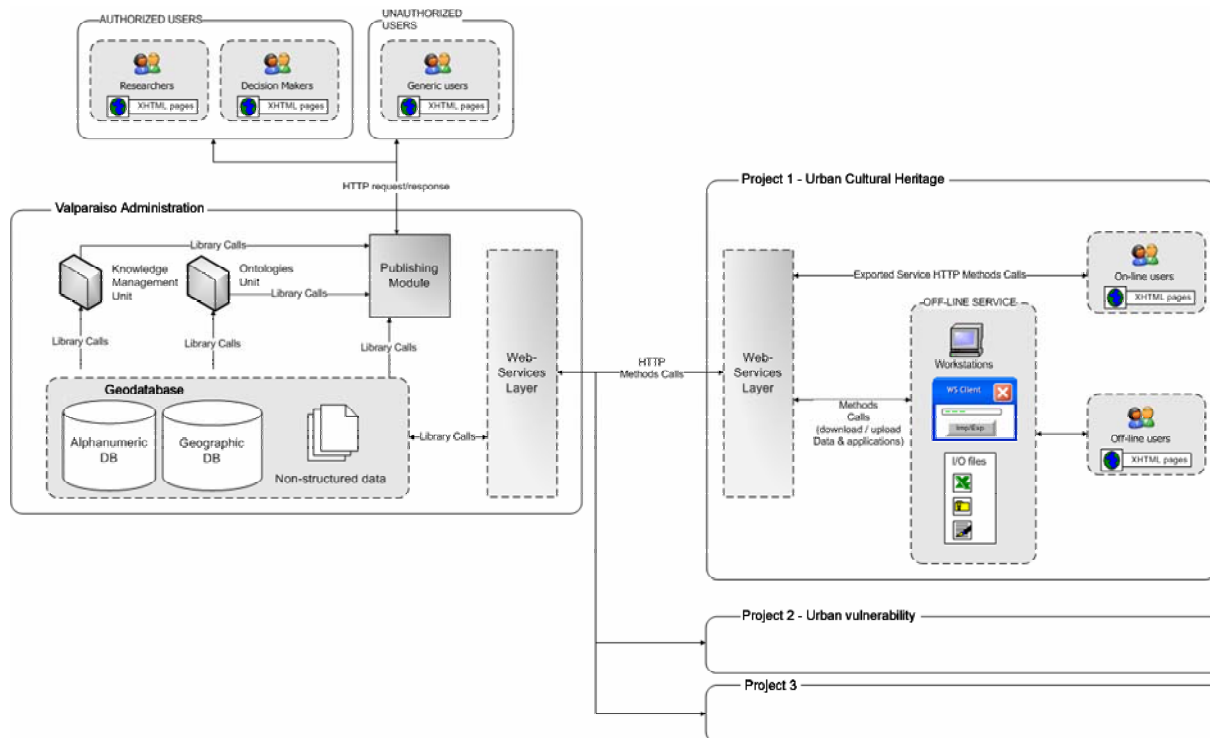


Figure 34: Proposed structure for an integrated GIS system model, dedicated to the management of the built cultural heritage, the open space system and infrastructure.

This management system will be referenced to various information sources, standardized onto a unified geographic database instrument. From this point of view, it is possible to conceive a large scale system (central geo-database), in which alphanumeric, geographic (vector or raster) and narrative (text documents, historical information, etc.) data can be stored, queried and crossed, describing the identified “objects” as urban resources (buildings, streets, open spaces, etc.). Various official and non-official actors (public administrations, professionals, Universities, research centers, etc.) could be able to access and reference this core database and, through operational procedures, implement and/or modify the information. The tool could be also based on WebGIS technology (.NET¹¹ or Java¹²), for the publication, at various levels, of the data related to projects and proposals.

On the other hand, another aspect of this geo-database deals with specific approaches as:

- management of urban and architectonic heritage;
- evaluation of natural (earthquake, tsunami, landslide, flood, etc.) and human-made disasters (fire);
- evaluation of urban vulnerability;
- open space management (urban safety);
- infrastructure system management (streets, water networks, electrical networks, gas, etc.);
- urban development project management (neighbourhoods and at the scale of the urban area);
- mapping of socio/economic phenomena;
-

Focused working groups can be organized, involving various professional figures, that operate autonomously, but in direct contact with the administration different levels. These groups will be able to access directly the central information system, through WebGIS management tools, or work off-line, subsequently updating the central information system. This vertical structure allows an

¹¹ Licensed programming language for desktop application development and servers based on the ISO standard.

¹² Open Source programming language.

incremental growth of the system, functioning in a variety of ways, contributing to an unified vision dedicated to the cultural heritage integrated management of the open spaces and the infrastructure network. The information and the project proposals could be referenced to a single geographical working space, shared and maintained up to date, by the various urban actors. In a proposal of this type, the publication of the urban development proposals through distribution networks is particularly important.

For example, after adequate training, the “Junta de Vecinos” of the Cerro Cordillera can utilize, as fundamental end-user, the system basic tools for a geographic information management; thus, the citizen input, in the above described information framework, can be identified and located with respect to the urban spaces. In this kind of application, proposals and observations coming directly from the local community can be overlayed, compared and incorporated in larger scale planning activities, helping the various actors involved in the decision making process.

3.4 Identification of guidelines for a new urban resource

After the definition of the support tools, we tried to identify some guidelines applicable to the urban structure. The main subject, previously defined as “management of the built heritage as a function of the urban quality and risk evaluation” has been revised (or “refined”) as a result of the data coming from the in field work. In short, the points identified as possible activities related to the urban structure have been the following:

- construction of an urban inventory, to identify the architectonic and urbanistic heritage at the built and open space level - definition of their arrangement in the urban landscape;
- identification of possible buildings (or buildings groups) able to be integrated into urban revitalization programs at the local level, as well as at larger scale;
- identification of a system of spaces (streets, public open spaces, connections, etc.) to support the recommendations originating from the programs and the building activities;
- identification of possible areas to be dedicated to urban redevelopment projects (new buildings, new open spaces, new uses);
- identification of economic support mechanisms for the revitalization proposals for the buildings, as well as subsequent development instruments (economic relief programs, microcredit, etc.);
- integration of the vulnerability indicators into the revitalization proposals, in order to guarantee the proper implementation of building restoration activities;
- identification of a series of regulations, integrated with respect to existing regulations, for proper implementation of the program activities.

4. Collection of base information

4.1 Survey techniques and tools

For a project proposal of this type, the development of integrated urban surveying tools is necessary. Until now, our research has spoken about the data structure, the “objects” to be surveyed, and the data entry forms to collect and organize the information. These elements should be integrated into a “unified survey map”, presuming the construction of an information support with a structure that defines the “objects” to be surveyed as best as possible.

The field surveys, completed during the in field work, have been carried out by three groups, each one made by three people, using data entry forms (see Figs. 35-36 and Appendices 1-2 and 6-7) and a basic map (Fig. 37); buildings, open spaces and streets have been also documented by digital pictures. A group carried out the architectonic-urbanistic survey, while the others provided the structural and vulnerability investigation. The in-field analysis allowed identification and mapping of 265 buildings, 130 facades, 56 stretches of street network, and 4 public open spaces of interest.

Among the buildings identified, 70 have been analyzed with the “second level” data entry form (see Appendices 2 and 8).



Figure 35: Urban and architectural analysis data entry form. Figure 36: Second level data entry form for evaluation of seismic vulnerability. Figure 37: reference “Unified survey map”, basis for data management.

4.2 Formulation of a unified mapping system

As previously explained, the creation of a urban inventory, using a GIS technology, is based upon the definition of an “unified” reference mapping system. The implementation of this procedure requires that all the actors usually involved in the city urban planning (public administrations, professionals, universities, safety and utility managers as water, gas, electricity, etc.) should agree to support its use. For the specific purposes of the Cerro Cordillera pilot project, the work began with a base map made available by the Municipality of Valparaiso (Oficina de Gestión Patrimonial, OGP), containing elements of our interest as the street network, the open spaces, property and building structure. Unfortunately, in some cases those elements did not coincide one with each other, and, in other cases, they didn’t match the reality. Therefore, it has been necessary to create a starting point draft map (as a tool to be used during the in field work), implemented assembling both the information provided by OGP in a shapefile¹³ version, and resources available on the World Wide Web (Google Earth¹⁴). Updated information, confirmed by the in field investigation (new constructions, subdivision of existing constructions, structural collapses, open spaces, streets, etc.), has been recorded onto this “tentative map”, used as an eidotipo¹⁵. This “existing condition”, used as reference model to identify buildings, facades and streets, was geo-referenced¹⁶ through digitalization to the vector base of the GIS system. During this phase, each system element has been enumerated with a specific identifier (ID number), in order to guarantee the integrity of the relationship between the data collected in the field and the mapping system. The final result allowed to build a GIS model in which the study area urban structure was reproduced upon the network of buildings, open spaces and street systems (Figs. 38-43).

¹³ The ESRI shapefile is a popular vector format for geographic information systems. The format was developed and regulated by ESRI and released as (practically) Open Source for the purpose of improving interpolation between ESRI and other GIS. It has become a standard for spatial vector data and has been adopted for use by a wide variety of GIS systems.

¹⁴ Google Earth is a software that generates virtual images of the earth using satellite images, aerial photographs and topographic data recorded on a GIS platform.

¹⁵ Drawing (sketch) of a portion of an area in approximate scale, used as a basis for preparation of the final drawing.

¹⁶ Geo-referencing: an operation that permits the geographic positioning (using control points) of digital images working with maps in a printed format.



Figure 38: Mapping representation showing the built structure of large building masses or blocks.

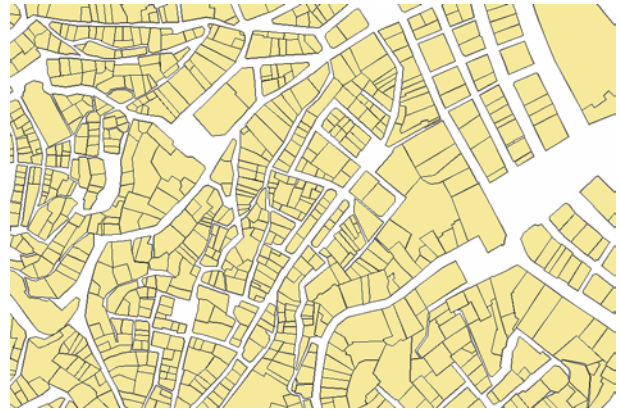


Figure 39: Mapping representation showing the property structure.

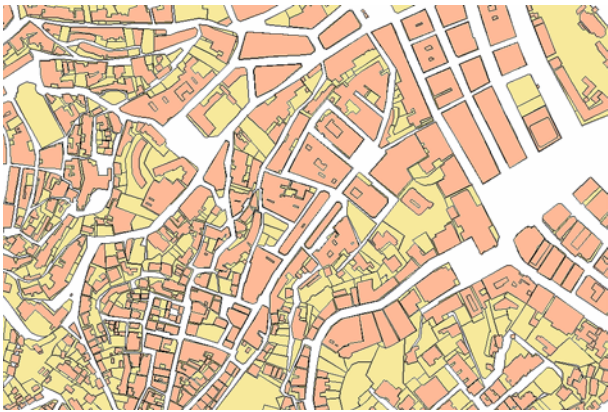


Figure 40: Combined mapping representation of buildings and properties. In some cases, superimposition errors are evident.



Figure 41: The structure of the study area, as shown by the Google Earth image.



Figure 42: The diagram used for the in field survey, recording the adjustments with respect to buildings, internal building partitions, demolitions, etc.



Figure 43: The GIS model created to show the existing urban structure; buildings are identified individually.

4.3 Data Entry

After the realization of the vector model (close as best as possible to reality), the subsequent phase interested the definition of the rules for the data filling up (data entry). This part of the work dealt with the construction of interfaces (GUI – Graphical User Interface, see Fig. 44), customized for the management of descriptive information (alphanumeric data), to be inserted into the Geodatabase.

These management tools present the information (coming from the survey data entry forms) in a digital format, managed through a series of “combo box” or “drop down list” items, in which the data have already been processed. This procedure is useful for reducing the hand writing errors and for maintaining homogeneity between the information categories. Four graphic interfaces have been created: one for buildings, one for facades, one for circulation network and one for opens spaces.



Figure 44: Example of the GUI – Graphical User Interface, for the data entry of the information collected during the in field work in the Cerro Cordillera pilot project area.

5. Urban analysis and integrated management tools

The processing of the collected information is the most interesting step, because it is related to the analyses preparation, as a support tool for the previously mentioned activities. In the case of the Cerro Cordillera pilot project area, typical GIS system procedures have been utilized, to help the collected data processing. These procedures, once programmed, remain continuously active inside the GIS system; they can be imagined as tools, contained within Tables and Fields, which continually processing and analyzing the data, as functions of our programmed instructions.

The data entry forms, presented above, were incorporated into a Relational Database¹⁷, which is made by a system of Tables (Figs. 45–46). The Tables can be imagined as information boxes related to a particular element (building, open space, etc.). The Table displays all the descriptive elements (typology of building, general condition, number of floors, etc.) and the fields of the individual sections (description of the general condition). The structure (or form) of the Table is similar to a matrix, organized in rows and columns. The columns show the areas where the fields are organized, while the rows (or records) show all the objects, described by the information contained in the

¹⁷ A Database Management System (abbreviated DBMS) is a software system allowing efficient creation and manipulation of databases (or collections of organized data), typically by multiple users. In the case of interactive databases (RDBMS), there are rules for structural relationships between tables and categories. The information is organized in a hierarchyc form, in order to consent a better data management.

fields; in the case of the “Building Table”, the rows correspond to all the surveyed buildings. In this way, each building has a component of each field as a part of its individual record.

ID_building	Typology	Arch_style	Presence_elevation_interest	Number_floors	Liveable_attic	Property	Recent_transformati	Under	Function_ground_floor	Function_upper_storeys	Inco
1	Block building	Local-high	Yes	3	Yes	Private			Neiborough's commerc	Residence	No
2	Block building	Local-high	Yes	3	Yes	Private			Residence	Residence	No
3	Block building	Local-high	Yes	3	Yes	Private			Residence	Residence	No
4	Block building	Local-high	Yes	2	Yes	Private			Residence	Residence	No
5	Block building	Local-high	Yes	3	Yes	Private			Residence	Residence	No
6	Block building	Local	Yes	3	Yes	Private	Renovation		Residence	Residence	No
7	Block building	Local	No	2		Private	Renovation		Residence	Residence	No
8	Block building	Local-high	Yes	3	Yes	Private			Residence	Residence	No
9	Block building	Local	No	2		Private			Residence	Residence	No
10	Block building	Local	Yes	1	No	Private	Rehabilitation		Residence		No
11	Block building	Local	Yes	2		Private			Residence	Residence	No
12	Block building	Other	No	1		Private			Residence		No
13	Block building	Other	No	1	No	Private	Renovation		Residence		No
14	Block building	Other	No	2	No	Private	Rehabilitation		Residence	Residence	No
15	Block building	Local-high	Yes	3	No	Private			Residence	Residence	No
16	Block building	Local	Yes	2		Private			Residence	Residence	No
17	Block building	Other	No	1	No	Private	New building		Other		No
18	Block building	Rationalism	No	2	No	Private	Renovation		Residence	Residence	No
19	Block building	Rationalism	No	2	No	Private			Residence	Residence	No
20	Block building	Rationalism	Yes	2	No	Private			Residence	Residence	No
21	Block building	Local	No	2	Yes	Private	Rehabilitation		Residence	Residence	No
22	Row house	Local-high	Yes	2	No	Private	Renovation		Residence	Residence	No
23	Block building	Rationalism	No	2	No	Private	Renovation		Residence	Residence	No
24	Block building	Rationalism	No	2	No	Private	Renovation		Residence	Residence	No
25	Block building	Local	Yes	2	No	Private	Renovation		Residence	Residence	No
26	Block building	Local	No	1	No	Private			Residence		No
27	Block building	Local	No	2	No	Private	New building		Residence	Residence	No
28	Block building	Local	No	2	No	Private	New building		Residence	Residence	No
29	Block building	Local-high	Yes	3	No	Private			Residence	Residence	No
30	Block building	Other	No	2		Private			Residence	Residence	No
31	Block building	Other	No	2		Private			Residence	Residence	No
32	Block building	Local-high	Yes	2	No	Private	Renovation		Residence	Residence	No
33	Block building	Local-high	Yes	3	No	Private	Renovation		Neiborough's commerc	Residence	No
34	Row house	Neo-classic	Yes	2	No	Private	Rehabilitation	Rehat	Residence	Residence	No
35	Row house	Other	No	2	No	Private			Residence	Residence	No

Figure 45: Example of a Table. Shown in green, one of the Columns showing the descriptive field (in this case describing the existence of an inhabitable attic). Shown in yellow, a single Record made up of the various parts of the descriptive fields.

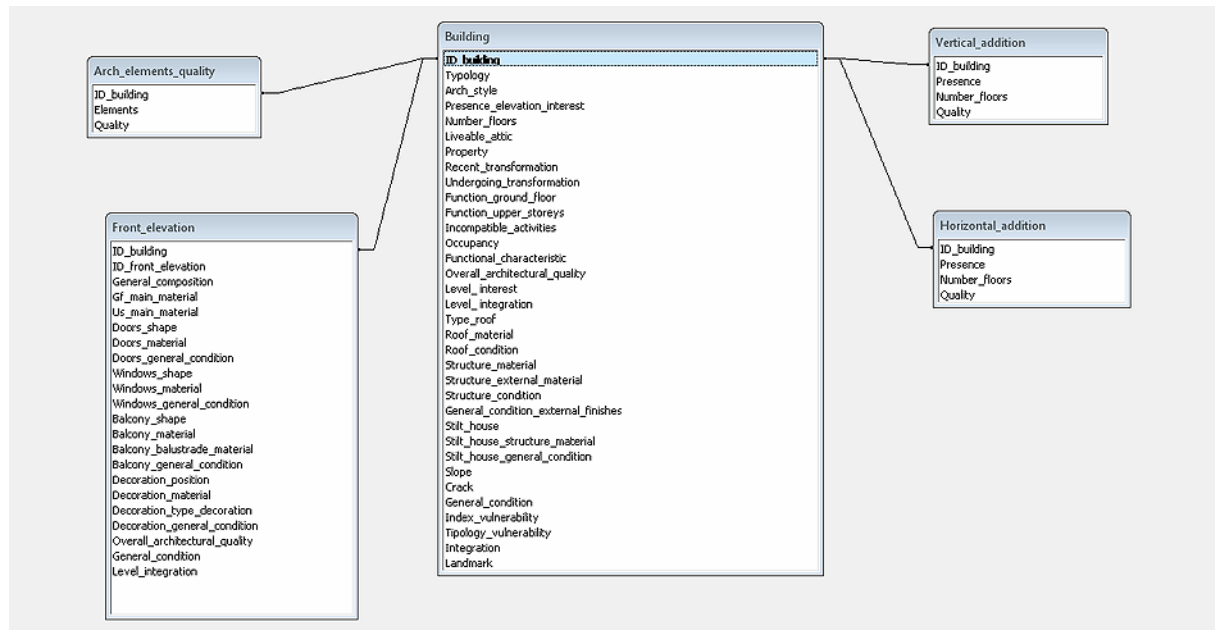


Figure 46: Example of relationships between the Tables. In this particular case, the Table “Building” turns out to be the principle Table of the system, to which the others, “Front elevation” for example, refer. The relationship between these two is between multiple elements (Front elevation) and a single (Building) element; actually a building can have more than one elevation of interest at the same time.

Therefore, in simpler terms, a building “genetic code” is provided, as a stock of descriptive information, organized with the purpose of solving, demonstrating or managing a specific problem. Each Table displays and organizes a particular element, referring to a selected study or project area. In the context of an integrated Geodatabase, we can imagine various Tables that organize different kinds of data within a unified tool, which can work in the best way if a clear and organized data

structure has been implemented. As explained above, an integrated structure foresees a hierarchy organization of data, reflecting the same organization proposed for the GIS system vector model. After this brief introduction about the information systems, now it is necessary to describe the part of the work addressed to the definition of the study area existing conditions, identifying the indicators of interest. Tables 4-5 describe the analysis types performed by the GIS system, together with their associated SQL (Structured Query Language)¹⁸ classification.

<i>Table 4</i>		
Analyses	SQL Structure	Description
Height of the building for number of floors	select * Number_floors from Building;	Process that allows for the selection and display of all the values for the “Number_floors” Category in the “Building” Table.
Identification of the architectonic style	select * Arch_style from Building;	Process that allows for the selection and display of all the values for the “Arch_style” Category in the “Building” Table.
Identification of the primary ground floor land use for the building	select * Function_ground_floor from Building;	Process that allows for the selection and display of all the values for the “Function_ground_floor” Category in the “Building” Table.
Recent transformations (in the last 15 years)	select * Recent_transformation from Building;	Process that allows for the selection and display of all the values for the “Recent_transformation” Category in the “Building” Table.
Presence of vertical building additions and their architectural consistency	select Presence = 'Yes' AND Quality = 'Inconsistent' from Vertical_addition;	Process that allows for the selection and display of a series of values related to the presence of vertical additions and their consistency with respect to the building’s morphology and architectonic style.
Presence of horizontal building additions and their architectural consistency	select Presence = 'Yes' AND Quality = 'Inconsistent' from Horizontal_addition;	Process that allows for the selection and display of a series of values related to the presence of horizontal additions and their consistency with respect to the building’s morphology and architectonic style.
Building land use	select * Occupancy from Building;	Process that allows for the selection and display of all the values for the “Occupancy” Category in the “Building” Table.
General condition	select * General_condition from Building;	Process that allows for the selection and display of all the values for the “General_condition” Category in the “Building” Table.
Level of integration	select * Level_integration from Building;	Process that allows for the selection and display of all the values for the “Level_integration” Category in the “Building” Table. The values for this category are directly derived from the summation of the values determined in the previous analyses.

¹⁸ SQL is a standard interactive and programming language for querying and modifying data and managing databases.

<i>Table 5</i>	
Height of building for number of floors	Analysis that facilitates the display of the average height of the buildings in order to evaluate the proposed height of new construction in the area.
Identification of the architectonic style	Analysis that facilitates the creation of a map of the architectonic styles present in the study area for the purpose of choices related to the types of interventions allowable for the buildings.
Identification of the primary ground floor land use	Analysis that allows for the evaluation of the functional characteristics of the area (residential, production, mixed, etc.) for the purpose of choices related to the location of new activities or public services.
Recent transformations (in the last 15 years) Presence of vertical building additions and their architectural consistency Presence of horizontal building additions and their architectural consistency General condition Historical layout of the building facades	Analysis that allows for the demonstration of the buildings' architectonic and structural integrity for purposes of choices related to types of allowable interventions.
Building land use	Analysis that allows one to verify the degree of use of the building for purposes of reuse proposals related to types of allowable interventions
Level of integration	Analysis made up of the combination of a series of indicators (architectonic and structural quality, modifications to the original building form, original function, current function) to establish the degree of integration of the building within the urban landscape of the study area.

This kind of interpretation is useful to perform the set of analyses identified for describing the existing conditions, repeatable in other case studies. The results of these “queries” can be displayed through maps which indicate possible revitalization strategies. On the basis of the existing conditions description, deeper studies have been completed, trying to integrate the various information layers (buildings, open spaces and circulation systems) and crossing other relevant data (seismic vulnerability indicators as well as those related to the open spaces current condition and the vehicular and pedestrian circulation networks).

Finally, it has been possible to identify a set of rules useful to define an integrated strategy for the city requalification (in general) and interventions (in particular) on each single building, open spaces and roads of strategic interest.

6. The seismic vulnerability

In order to know the real structural strength and vulnerability of building stock towards the seismic danger, various approaches are possible, depending on the particular chosen objective of the analysis. Fairly rough estimates could be based on data obtained from census surveys, developed in every Country and storing information like the building age, its use, functional characteristics, etc. This sort of data would only permit very approximate evaluations, valid for very large areas (e.g. the entire Country) and essentially based on the assumption to average out the inevitable errors. The opposite extreme approach consists in the detailed survey of each single building, with the aim to obtain good data not only on its geometry, but also about its state of conservation and the strength characteristics of its materials. This approach is clearly the most effective, but it could be justified only at the design stage for a specific intervention on a particular building and cannot be applied to a large scale systematic survey of significant areas in a city or Country.

Between these two extremes, a wide range of possible approaches is possible and the method followed in Valparaiso stays in the middle, usually employed for large-scale evaluations, when detailed in field surveys being not possible. In fact, even if the investigation interests each single

building, it can be carried out rapidly and also by non-specialists. Because the construction typology is the main evaluation parameter for the seismic performance assessment, the real drawback is therefore the impossibility to define a survey method valid every where for all types of buildings and materials. For these reasons, the study carried out in Valparaiso dealt with the widespread building typologies present in the city.

The seismic vulnerability information has been obtained by using a collection data form in which the various factors, contributing to the behavior of a building under seismic forces, are examined separately. The results achieved permit to classify the buildings of a given area within a scale of relative vulnerability, assigning a synthetically generated numerical value (vulnerability index) to each building in the study area, depending on its shape and its structural characteristics.

This analytical procedure (see Appendix 2) has been directly derived from the G.N.D.T.¹⁹ Second Level Vulnerability Data Form, used in Italy for the evaluation of seismic risks, but adapting it to the local building typology characteristics (architectonic typologies, constructive techniques and materials, structural deficiencies and decay, ...). In fact, the G.N.D.T. Second Level approach is based upon a survey form designed to gather information regarding each single building typology and constructive features, afterwards combined to get a vulnerability index: eleven parameters are combined with different scores and relative weights. For each of the eleven factors, various situations that may arise in reality are grouped into four vulnerability classes: the first, taken as reference, collects all those situations which may be considered substantially equivalent to what would arise if the design was in conformity with the antiseismic codes; the others collect situations on a vulnerability growing scale, shown by a higher score. Moreover, a judgment on the information quality (with a class attribution) is associated to each parameter. The normalized vulnerability index is a measure from 0 to 1, being 0 the best vulnerability condition and 1 the worst.

The vulnerability assessment method proposed and tested in Valparaiso is 'lighter' than the G.N.D.T. approach: in fact, it is based on structural parameters, classes and scores provided in the G.N.D.T. method, but simplified in terms of visual screening and elements taken into consideration for the definition of the eleven parameters. Since no exhaustive surveys of damaging earthquakes experienced in Chile are available, a critical point is the definition of the weights and scores of each structural parameter: the G.N.D.T. survey form is detailed, because it was drawn up on the basis of damage observations, i.e. where the building structural design is revealed, so that its structural parameters are easier to be identified. For this reason, the survey form proposed and used for the in-situ work in Valparaiso (shown in Appendix 2) has to be considered a tool for the initial "seismic vulnerability inventory" of the buildings (structural units).

The form is divided into five columns: parameters (the eleven parameters of the G.N.D.T. form); classes (the four classes of the G.N.D.T. form: A, B, C or D); quality of the information (classified with four classes E, M, B or A); evaluation elements; schemes.

The different parameters taken into consideration in the form will be shortly discussed in the following points 1-11.

1) Type and organization of the resistant system. This item estimates the proper combination of the structural elements, in particular of the walls:

Class A: new buildings; buildings designed or restored according with the anti-seismic codes;

Class B: buildings with well connected walls and presence of ties or tie beams at every level;

Class C: buildings with ties or tie beam that are not present at every level of the structure, but with well connected walls;

Class D: buildings with bad connected walls.

¹⁹ G.N.D.T.: Gruppo Nazionale Difesa Terremoti (Italian Earthquake Defense Group).

2) Quality of the resistant system. This item deals with the various types of masonry most frequently used, globally and qualitatively considering the resistance characteristics:

Class A: brick masonry, if homogeneous;

Class B: mixed and non homogeneous masonry;

Class C: masonry at the lower levels and timber frame with adobe infill at the upper levels;

Class D: timber frame with adobe infill.

3) Conventional resistance. The attribution of the class according to this parameter is conventional: this estimate is based on simplified calculations, based on some elements that are checked and on other that are assigned on the basis of general definitions. A parameter (α) has to be defined, considering 4 elements and their scores:

i) level difference of the slabs between the considered building and the contiguous buildings:

- difference of the level ≤ 0.5 m $\rightarrow k = 1.00$
- difference of the level 0.5 m $e \geq 1.5$ m $\rightarrow k = 0.66$
- higher difference of the level $\rightarrow k = 0.33$

ii) position in the aggregate:

- middle position $\rightarrow k = 1.00$
- corner position $\rightarrow k = 0.75$
- heading position $\rightarrow k = 0.50$
- isolated building $\rightarrow k = 0.25$

iii) homogeneity with the other buildings of the aggregate:

- stiffness homogeneity with the surrounding buildings $\rightarrow k = 1.00$
- different stiffness $\rightarrow k = 0.50$

iv) $C = \frac{S}{N \cdot \rho}$

where:

S is the covered area,

N is the number of floors

ρ is the specific density corresponding to the different typologies indicated for the second parameter (Quality of the resistant system). The following values can be indicatively used:

Class A - B $\rho = 2000$ kg/m³; Class C - D $\rho = 1500$ kg/m³.

If $C < 0.1 \rightarrow k = 0.50$, if $C \geq 0.1 \rightarrow k = 1.00$.

$$\alpha = \frac{\sum_{i=1}^4 k_i}{4}$$

- Class A: $0.86 \leq \alpha \leq 1.00$;
- Class B: $0.71 \leq \alpha \leq 0.85$;
- Class C: $0.56 \leq \alpha \leq 0.70$;
- Class D: $0.40 \leq \alpha \leq 0.55$.

4) Building position and foundations. This item includes in a concise and qualitative estimate three different factors: the lithology of the foundation soil, its morphology and the reference and the kind of foundation:

Class A: buildings on soils or on rock which sloping is $\leq 10\%$; no differences between the foundations levels; absence of thrusts;

Class B: buildings on soils which sloping is 10 - 20% which sloping is 10 - 30%; difference between the foundations levels < 1 m; absence of thrusts;

Class C: buildings on soils which sloping is 20 - 30% or on rock which sloping is 30 - 50%;
difference between the foundations levels < 1m; presence of thrusts;

Class D: buildings on soils which sloping is > 30% or on rock which sloping is > 50%;
difference between the foundations levels > 1m; presence of thrusts.

5) Type of slabs. Three conditions are taken into account:

- i) in plane deformability of the slabs;
- ii) connections between slabs and walls;
- iii) presence of slabs at different levels;

Class A (N - 1): stiff and well connected slabs, absence of slabs at different levels;

Class B (Y - 1): stiff and well connected slabs, presence of slabs at different levels;

Class C (Y/N - 2): deformable but well connected slabs;

Class D (Y/N - 3/4): stiff or deformable slabs that are not connected.

6) Planimetry. This item classifies the building according with its planimetry compactness. According with the picture that is present in the survey form, having defined $\beta_1 = a / l$ and $\beta_2 = b / l$:

Class A: $\beta_1 \geq 0.8, \beta_2 \leq 0.1$;

Class B: $0.8 > \beta_1 \geq 0.6, 0.1 < \beta_2 \leq 0.2$;

Class C: $0.6 > \beta_1 \geq 0.4, 0.2 < \beta_2 \leq 0.3$;

Class D: $0.4 > \beta_1, 0.3 < \beta_2$.

7) Elevation regularity. Three elements are considered for the definition of the classes related to this item:

- i) presence of porticos and logge;
- ii) presence of towers (ratio T / H between the height of the tower and the total height of the considered building);
- iii) ratio $\Delta A / A$ between the covered area (A) and its variation (ΔA) between two levels of the considered building.

Class A: uniform mass distribution or $\Delta A / A < 10\%$;

Class B: presence of small porticos or logge, which area is < 10% of the total area of the floor;
 $10\% < \Delta A / A \leq 20\%$;

Class C: presence of porticos or logge, which area is 10 - 20% of the total area of the floor;
 $T < 2/3 H$;

Class D: presence of porticos or logge, which area is > 20% of the total area of the floor;
 $T > 2/3 H$.

8) Maximum distance between structural units. This item considers the walls that are perpendicular to the perimetric walls: the distance between these walls (l) and their thickness (s) must be taken into account.

Class A: ratio $l/s \leq 15$;

Class B: $15 < l/s \leq 18$;

Class C: $18 < l/s \leq 25$;

Class D: ratio $l/s > 25$.

9) Roofing. Basically there are two factors that characterize the influence of roofs on the seismic behaviour of a building: the type and the connections with the other structural elements.

Class A (N - Y): flat or non-thrusting roof well connected to the other structural elements;

Class B (N - N): non-thrusting roof not connected to the other structural elements or partially thrusting roof that is well connected to the other structural elements;

Class C (Y - Y): thrusting roof well connected to the other structural elements;

Class D (Y - N): thrusting roof not connected to the other structural elements.

10) Non structural elements. This item deals with casings and other fixtures and objects that can damage persons and things. Only three classes are allowed in this case.

Class A-B: fixtures and other objects well connected to the structure;

Class C: fixtures and other little objects that are not well connected to the structure;

Class D: fixtures and other objects that are not connected to the structure.

11) Present situation. Here the actual state of preservation of the building is taken into account.

Quality of the resistant system A-B:

Class A: good conditions;

Class B: presence of non seismic cracks;

Class C: presence of few seismic cracks;

Class D: presence of out of plumbs, big seismic cracks, masonry decay.

Quality of the resistant system C-D:

Class A-B: good conditions;

Class C-D: decayed structures.

Concerning the information quality, four different classes (and relative weights) are considered:

Class E (k = 1,10): High information quality (direct information and measures, almost certain);

Class M (k = 1,00): Average information quality (indirect information);

Class B (k = 0,90): Low information quality;

Class A (k = 0,80): Almost casual information.

Table 6: Different parameters used in the Valparaiso survey form

Parameters	Classes				Weight k	
	A	B	C	D		
1) Type and organization of the resistant system	0	5	20	45	1.00	
2) Quality of the resistant system	0	5	25	45	1.50	
3) Conventional resistance	0	5	25	45	0.50	
4) Building position and foundations	0	5	25	45	0.75	
5) Type of slabs	0	5	15	45	0.35	
6) Planimetry	0	5	25	45	0.35	
7) Elevation regularity	0	5	25	45	0.35	
8) Maximum distance between structural units	0	5	25	45	0.35	
9) Roofing	0	5	25	45	0.35	
10) Non structural elements	0	0	25	45	0.75	
11) Present situation	Param. 2: A-B	0	5	25	45	1.00
	Param. 2: C-D	0	0	45	45	

To calculate the vulnerability index, scores and relative weights shown by Table 6 must be associated to each parameter; to take into account the judgment on the information quality, the score considered for each parameter must be multiplied by the associated weight. Then, the vulnerability index I is a pondered average, obtained considering the weights of Table 6; the index minimum value is 0, the maximum is 326.25.

The normalized vulnerability index I_v is defined as:

$$I_v = \frac{I}{326.25}.$$

A stock of about 70 structural units of the Cerro Cordillera pilot zone has been investigated: architectonically and structurally significant buildings and whole urban aggregates have been taken into account (Fig. 47). A photographic survey has been carried out and the survey form has been filled for each structural unit. The collected data are reported in the Appendix 8 of this document.

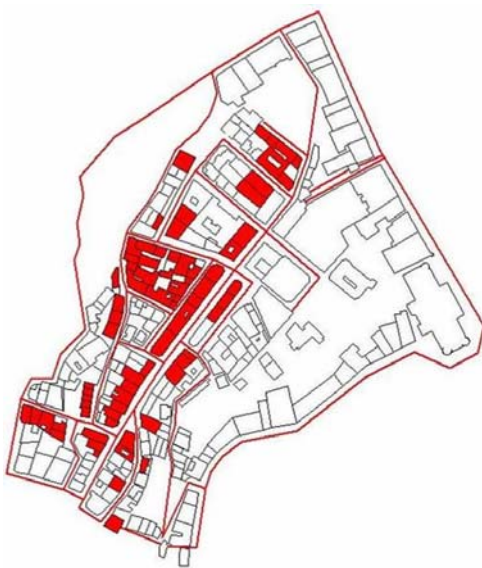


Figure 47: Stock of buildings (70) of the Cerro Cordillera considered for the seismic vulnerability analysis.

Figure 48: Distribution of the vulnerability indexes for the considered stock of buildings of the Cerro Cordillera.

The vulnerability index has been calculated for each analyzed building; scores and weights associated to each class of the eleven parameters have been calibrated in order to obtain more reliable results. The final values of the vulnerability indexes have been inputted in the GIS database, as shown by Fig. 48, allowing to find out some ranges for the vulnerability index; these ranges correspond to different qualitative level of vulnerability, as shown in Table 7, where the percentage of buildings belonging to each level is indicated (for a best visualization, see Appendix 5, map page 72). These results show that the majority of buildings is characterized by a very high seismic vulnerability: among them, a great number of structural units has a heading or corner position in the urban aggregate and this confirms the well known high vulnerability of these units in case of a seismic event.

Further analysis are possible and desirable. For example, it is possible to hypothesize some interventions, like restorations, rehabilitations, improvements, etc., on the structural units belonging to the analyzed stock: the vulnerability index can be computed again and compared with the previous situation, in order to qualitatively evaluate the efficiency of the interventions for the reduction of the seismic vulnerability.

Another possible development can be the successive calibration of the relative vulnerability scale crossing the knowledge of the seismic risk at each particular site: this would provide an expected damage estimate for the analyzed zones, indispensable both to take the decision on relief programs in the event of an earthquake and to define quantitatively preventive measures.

The GIS database can allow the spreading of the results obtained for the analyzed stock to the whole pilot area of the Cerro Cordillera: this operation, based on significant parameters that can be evaluated for all the buildings of the pilot zone, would be more reliable if done after a typological analysis, which allow to deepen the structural behavior of a more consistent stock of buildings.

Table 7: Vulnerability of the analyzed stock of buildings

Vulnerability index ranges	Vulnerability level	Percentage of buildings of the analyzed stock
$0 < I_v < 30$	Low vulnerability	22%
$30 < I_v < 45$	Average vulnerability	20%
$45 < I_v < 60$	High vulnerability	16%
$60 < I_v < 100$	Very high vulnerability	42%

7. The intervention categories

Incorporating these factors, and presupposing a reduction in the vulnerability classification, the intervention categories represent the allowable alterations to the building. The categories can be summarized as follows (Table 8).

Table 8: intervention categories.

Restoration	An intervention addressing the architectonic form (internal distribution, typology, spaces) for the restoration and maintenance of the building's identity, such as a specific period or architectonic style; maintaining the original building function.
Rehabilitation	An intervention addressing the modern and efficient use of the building while attempting unaltered preservation of its cultural value; maintaining the original building function as well as allowing new activities.
Re-development	An intervention addressing replacement of the buildings while trying to preserve, as much as possible, the relationship between the new construction and the urban context. The building height, types of openings, roof and relationship with existing open space should be maintained and used as points of reference; incorporating new building functions.
Demolition	An intervention demolishing the building without requiring replacement
Ordinary maintenance	Interventions addressing maintenance of the building's architectonic quality and structure.

At the most, these directions represent an initial approach for a revitalization strategy, reoriented to a wider concept of cultural heritage, that demands a strong relationship between current urban planning tools (regulations, urban plans, livability, etc.), development and support programs (cultural, economic, social, etc.) and specialized projects (urban design, open space, and livability projects).

8. General Guidelines

From the Cerro Cordillera experience, we can create some guidelines for integrated management, drawn from the directions already developed, applicable to the whole Valparaiso UNESCO area, as well as to the zones not included in this designation, but still contributing to the urban cultural landscape for which the city was nominated by UNESCO.

8.1. Identification of activities for the proper management of the built cultural heritage

Consistent with the current urban planning and policy tools of Valparaiso's public administration, identification and development of programs (addressing a possible urban revitalization, emerging out of the UNESCO designation), could be the stimulus for the formulation of a unified vision of the city, without creating a conflict between parts perceived as "heritage" and others perceived as "normal".

Key words: programs, urban plans, projects

8.2. Creation of an inventory (in GIS) for defining the assets of the urban cultural landscape

Consistent with the programs defined by Valparaiso's public administration, this task is used to define what are the "objects" of interest for the urban revitalization project proposal, and which can contribute to the formation of the city image (urban cultural landscape). This process allows the development of useful rules for indentifying, interpreting and describing the families of elements (buildings, urban fabric, open spaces, circulation networks, etc.) that constitute the built heritage. This kind of approach implies the implementation of customized analysis tools, according to the characteristics of the various typologies of heritage that one might be able to find. The creation of an urban inventory, as a resource for the analysis, implies a choice (one class of object versus another), like the selection of a kind of urban planning project implementation effort.

- Phase 1. Definition of methods. Formulation of a set of useable data, to describe the qualities of the built environment, open spaces, urban fabric and circulation system. In this sense, it is necessary to differentiate data related to monumental buildings and those about less important constructions, but contributing in the same way to the definition of a unique urban landscape.
- Phase 2. Formulation of the analysis forms. As a function of the characteristics of the metadata structure for a set of analysis tools (urban, structural, socioeconomic, etc.), associated with the characteristics of the context and with the characteristics of the programs for urban revitalization and protection of the built environment.
- Phase 3. Verification and use of other existing data banks. Identification of the various existing data sources, to put into relation with the data about the buildings, open spaces and the circulation network. In this area, identification of possible connections between all the city stakeholders is of particular interest.
- Phase 4. Definition of a unified base map. As a function of the choices related to the compilation of the urban inventory, it is necessary to define a base map on which the "objects" to be analyzed must be accurately identified.

Key words: Awareness of the cultural heritage, Cultural heritage valorization.

8.3. Structure of the analysis

As a function of the data collected, from the existing data banks and from the identified program expectations, at this point it is useful to define the tools to be used for the formulation of urban analysis models to support the projects. Using the GIS system methodologies, it will be possible to create analytical models taking into account the various aspects related to the management of the built environment.

- Architectonic quality and building structural condition. Analyses demonstrating the existing conditions of the built environment, its relation to the context, the degree of integration with its context and the identification of "sensitive areas" to be dedicated to urban revitalization projects.
- Multiple risks. Analyses demonstrating and interrelating various elements connected to risk. In the case of Valparaiso, and specifically for the Cerro Cordillera, the possible risks are due to earthquake, tsunami, landslide, flood, fires and those involving utilities (electricity, gas, etc.) which don't conform to the residential standards.

- Quality and safety of the public open space. Analyses related to the existing condition and use of public spaces (streets, squares, parks, etc.), as well as the safety perception by the people using them. This element, of particular importance, is often a result of poor design and maintenance.
- Real-estate and property owners. Analyses related to the identification of the actors (public or private) involved in potential urban revitalization efforts.
- Services structure. Analyses of existing services in the areas of interest related to the projects, for potential coordination of decisions that are inherent to the new activities.
- Socioeconomic structure. Integration of information of a sociological and economic nature; numbers of resident families in the buildings, social conditions, etc.

Key words: urban analysis, information integration, cultural heritage management

8.4. Definition of the working tools

As a function of the defined strategy and the supporting analysis, we should identify “operating tools” helping the development of revitalization and management proposals related to cultural heritage. These tools should be of a variety of types, but closely interrelated one to each other.

- Definition of support regulations. Identification of types of interventions applicable to the buildings and to the urban fabric, integrated into the planning tools currently in place. Identification of easily applied rules, giving a clear indication of the permitted actions for each building or group of buildings.
- Preparation of a risk maps. Identification and integration into the current planning tools, of a general risk factor (integrating those previously identified) for each single building or group of buildings.
- Identification of monuments and buildings of value, that are in urgent need of restoration and stabilization.
- Regeneration of the urban fabric. As a function of the identified regulations, creation of manuals for the self restoration of minor constructions. This work methodology should be principally addressed to the building users (property owners or renters), involving them in revitalization activities, based on the dissemination of appropriate and simple techniques to improve their living conditions, as well as integrity and value of the residence.
- Identification of special projects. Identification of public projects with an emphasis on urban revitalization applicable to cultural heritage (monuments, buildings of interest, urban fabric, open spaces).
- Development of the know-how of local professionals in the field of management and conservation of cultural heritage (workshops and training courses for urban revitalization projects, GIS construction and management, etc.).
- Restoration and conservation of local building and workmanship techniques, as integrated parts in the process of valorization of the buildings and urban fabric. Training courses for the education of young workers to be employed in building restoration projects.
- Involvement of all the stakeholders in the urban regeneration process, focused on the valorization of the building heritage, with particular attention to the development of the concept of cultural heritage as a “value”. Public cultural activities to support these initiatives (neighborhood shows on the concept of “value” of the heritage, publications, etc.)
- Development of economic tools (microcredit), supporting the activities related to the restoration of the built urban fabric.

Key words: valorization of cultural heritage, publication, sensitizing strategies.

9. Guidelines – Cerro Cordillera

As a consequence of the general guidelines, we tried to identify some possible actions for the restoration of the architectonic heritage and open space system in the Cerro Cordillera study area. The first action has been related to the assignment of an Intervention Class to each building, chosen as a function of the general condition, architectonic interest, degree of integration, and seismic risk. The second action has been devoted to the identification of six special projects developing general themes like transportation, access, open spaces, social housing and innovative services (see also pages 77-79).

9.1. The Mirador Purcells area

It is an area currently occupied by a series of workshops, used as “informal housing”, located on the slope flanking Calle Villagran, showing small buildings with internal courts and two buildings with historic architectonic value, which can be considered also external landmarks for the Cerro Cordillera. The general problems of the area are connected to low urban safety (Calle Villagran), low quality of the living conditions, (Calle Villagran) and to the general structural conditions of the buildings. This sector of the Cerro Cordillera could be revitalized through different kinds of interventions.

- Urban revitalization of Calle Villagran. A project focused the complete resurfacing of the roadway, a new water drainage system and a public lighting program.
- New access towards Plaza Eleuterio Ramirez and the Lord Cochrane Museum. A project focused the creation of a new vertical access system from Calle Villagran towards Plaza Eleuterio Ramirez. Slope stabilization and creation of spaces like a Mirador towards the Matriz and Barrio Puerto. A new building intended for public activities or tourism.
- Public housing. By way of self-built projects, participation of the Cerro Cordillera inhabitants to revitalization activities regarding the construction of their own houses and associated open spaces.
- Restoration of buildings with historical architectural value present in the project area.

9.2. The Lord Cochrane Museum (Plaza Eleuterio Ramirez) area

The area of influence of the Lord Cochrane Museum, with the associated park, is Plaza Eleuterio Ramirez and its open space system - completely abandoned building ruins occupying the North-East side of the Cerro Cordillera. The existence of these open spaces and building ruins could be used to realize structures and open spaces to be integrated with the existing ones, as a new Cerro Cordillera cultural center. We imagined research centers and housing for the associated international researchers; a system integrating the existing open spaces with others connecting Plaza Eleuterio Ramirez to the Mirador of the museum, and extending to the public athletics area of Calle Castillo.

9.3. The Calle Castillo public open space

The area shows the presence of a space dedicated to sport activities of young people of the Cerro Cordillera. The existing maintenance conditions are not good and, as a result, it is isolated from the context of the study area. The proposal suggests to join this area to the new cultural center of the Lord Cochrane Museum, integrating and redefining the various activities (athletic, social, tourism).

9.4. A new public district of the Cerro Cordillera

The area, located at the end of Calle Villagran, is used as collective taxis route servicing the Cerro Cordillera; therefore, it is well positioned as a possible arrival and departure center (pedestrian and

taxi route for Calle Villagran). In this area, we can imagine the revitalization of two (existing) large public open spaces, to be used as an area for public activities (sport, social, etc.), and the restoration of some building units or parts of blocks, to be dedicated to public housing, commercial activity, etc. To highlight the presence of two buildings of historical architectonic value (now empty), they can be restored to find a new location for the Cerro Cordillera social activities (Junta de Vecinos, etc.).

9.5. The San Agustin funicular area

This sector is characterized by the presence of a building of historical value (The San Agustin Funicular), residential housing of particular historical architectonic importance, some vacant areas due to collapse or fire, and a large open space that lies on the Cerro Cordillera South side. The proposal suggests the complete restoration of the San Agustin funicular, the creation of tourist activities, possibly in new buildings located in the currently vacant urban areas, completing the urban texture. Close to this intervention, we propose the revitalization of the large open space at the base of the funicular, as a new urban park for the Cerro Cordillera, integrated into the public open space system of the city.

9.6. Calle Tomas Ramos

It is an area characterized by the presence of many buildings of restoration value and a pedestrian route of particular importance for the Cerro Cordillera, connectin it directly to Calle Tomas Ramos.

- Urban revitalization of the vertical route from Calle Tomas Ramos. A project for the complete resurfacing of the route, new water drainage system and public lighting.
- Restoration of the buildings of architectonic historical value present in the project area.

10. Cerro Cordillera: a contribution by OGP

After an agreement with the Istituto Italo Latino Americano (IILA), thanks to the General Secretary Ambassador Paolo Bruni and Dr. Eugenia Fedeli, and also with the authorization of the present OGP Director Arch. Paulina Kaplan Depolo, 4 Chilean experts (two still belonging to the OGP, and other 2 working for OGP at the time of the Italian missions) have been entrusted of short bursaries in Italy (Spring 2008), specifically targeted on the “MAR VASTO” project activities. They have been:

- Arch. Claudia Andrea Zuñiga Jara, OGP (2 months);
- Arch. Mauricio Sebastian Gonzalez Lodola, OGP (2 months);
- Arch. Cristian Ignacio Palma Valladares, Chilean expert (4 months);
- Arch. Carolina Avalos, Chilean expert (4 months);

Moreover, an expert functionary of OGP, Arch. Sotero Apablaza Minchel, officially entrusted by the OGP Director, reached Italy in the same period (2 months) and contributed in an excellent way to the “MAR VASTO” project and for the identification of future cooperation.

During her stay in Italy, Arch. Claudia Andrea Zuñiga Jara produced a work on the Cerro Cordillera, which is reported in Appendix 9.

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Appendix 1
Urban and architectonic analysis form

Building – General information

ID Building number GIS:

Typology:

<input type="checkbox"/> Single standing	<input type="checkbox"/> Block building	<input type="checkbox"/> Row house
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Architectonic style:

<input type="checkbox"/> Neo-classic	<input type="checkbox"/> Eclectic	<input type="checkbox"/> Art Deco
<input type="checkbox"/> Art nouveau	<input type="checkbox"/> Rationalism	<input type="checkbox"/> Local
<input type="checkbox"/> Post-modern	<input type="checkbox"/> High-tech	<input type="checkbox"/> Other

Quality for the architectonic elements

Arcade	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Doors	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Windows	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Balcony	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Loggia	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Terrace	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Iron framing	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Decoration	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Stringcourse	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low

Presence of fronts elevation of interest

<input type="checkbox"/> Yes	<input type="checkbox"/> No
------------------------------	-----------------------------

Number of floors:

<input type="checkbox"/> Number:	<input type="checkbox"/> Liveable attic
----------------------------------	---

Building property:

<input type="checkbox"/> Private	<input type="checkbox"/> Public	<input type="checkbox"/> Different owners
----------------------------------	---------------------------------	---

Recent transformations (last 10 years):

<input type="checkbox"/> Restoration	<input type="checkbox"/> Renovation	<input type="checkbox"/> Rehabilitation
<input type="checkbox"/> Redevelopment	<input type="checkbox"/> New building	<input type="checkbox"/> Demolition

Undergoing transformation:

<input type="checkbox"/> Restoration	<input type="checkbox"/> Renovation	<input type="checkbox"/> Rehabilitation
<input type="checkbox"/> Redevelopment	<input type="checkbox"/> New building	<input type="checkbox"/> Demolition

Vertical addition:	<input type="checkbox"/> Yes <input type="checkbox"/> No Number of floor:	<input type="checkbox"/> Consistent	<input type="checkbox"/> Inconsistent
Horizontal addition	<input type="checkbox"/> Yes <input type="checkbox"/> No Number of floor:	<input type="checkbox"/> Consistent	<input type="checkbox"/> Inconsistent
Ground floor (main function):	<input type="checkbox"/> Residence	<input type="checkbox"/> Neighbourhood's commerce	<input type="checkbox"/> Town commerce
	<input type="checkbox"/> Handicraft	<input type="checkbox"/> Service	<input type="checkbox"/> Administration
	<input type="checkbox"/> Culture	<input type="checkbox"/> Health	<input type="checkbox"/> Other
Upper storeys (main function):	<input type="checkbox"/> Residence	<input type="checkbox"/> Neighbourhood's commerce	<input type="checkbox"/> Town commerce
	<input type="checkbox"/> Handicraft	<input type="checkbox"/> Service	<input type="checkbox"/> Administration
	<input type="checkbox"/> Culture	<input type="checkbox"/> Health	<input type="checkbox"/> Other
Incompatible activities:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Building's state of occupancy:	<input type="checkbox"/> Lived	<input type="checkbox"/> Partially lived	<input type="checkbox"/> Not lived
Functional characteristic of building:	<input type="checkbox"/> Residential	<input type="checkbox"/> Specialist	<input type="checkbox"/> Multifunctional
Building - Overall architectural quality:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Building – Level of interest:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Building – Level of integration in the urban context:	<input type="checkbox"/> Outstanding (High level for architectural quality and interest) <input type="checkbox"/> Strong identity (Good integration in the urban context) <input type="checkbox"/> Contrast (Building like one breach for the urban context)		

Building – Material and condition

Type of roof:	<input type="checkbox"/> Pitched roof	<input type="checkbox"/> Gambrel roof	<input type="checkbox"/> Flat roof
	<input type="checkbox"/> Mix		

Type of roof – External main material:	<input type="checkbox"/> Clay, cement mix	<input type="checkbox"/> Wood	<input type="checkbox"/> Tiles
	<input type="checkbox"/> Corrugated iron	<input type="checkbox"/> Other material	

Type of roof – External general condition:	<input type="checkbox"/> Good	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Bad
	<input type="checkbox"/> Ruin		

Structure - Main material:	<input type="checkbox"/> Brick	<input type="checkbox"/> Cement blocks	<input type="checkbox"/> Reinforced concrete
	<input type="checkbox"/> Balloon frame	<input type="checkbox"/> Iron frame	<input type="checkbox"/> Other material

Structure – External main material:	<input type="checkbox"/> Corrugated iron	<input type="checkbox"/> Wood	<input type="checkbox"/> Brick
	<input type="checkbox"/> Cement blocks	<input type="checkbox"/> Plaster	<input type="checkbox"/> Stone

Structure – External general condition:	<input type="checkbox"/> Good	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Bad
	<input type="checkbox"/> Ruin		

General condition of external finishes:	<input type="checkbox"/> Good	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Bad
	<input type="checkbox"/> Ruin		

Stilt house	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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Stilt house – External main material	<input type="checkbox"/> Brick	<input type="checkbox"/> Cement blocks	<input type="checkbox"/> Reinforced concrete
	<input type="checkbox"/> Wood frame	<input type="checkbox"/> Iron frame	<input type="checkbox"/> Other material

Stilt house – External general condition

<input type="checkbox"/> Good	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Bad
<input type="checkbox"/> Ruin		

Slope of the load bearing walls
(The percentage is referred to as the maximum incline respect to building height)

<input type="checkbox"/> Not present	<input type="checkbox"/> Light ($\leq 2\%$, i.e. 2 cm per meter height)	<input type="checkbox"/> Heavy ($> 2\%$)
--------------------------------------	---	--

Crack pattern

(The percentage is referred to as the surface affected by cracks)

<input type="checkbox"/> Null	<input type="checkbox"/> Light ($\leq 25\%$)	<input type="checkbox"/> Medium (25-50%)
<input type="checkbox"/> Heavy ($> 50\%$)		

Building general condition:

<input type="checkbox"/> Good	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Bad
<input type="checkbox"/> Ruin		

Front elevation

ID Building number GIS:

ID Front elevation number GIS:

General composition:

- The front elevation reflecting 1 historical layout
- The front elevation reflecting 2 historical layout
- The front elevation reflecting 3 historical layout
- The front elevation reflecting 4 historical layout
- The front elevation reflecting more historical layout

Ground floor - External main material:

<input type="checkbox"/> Corrugated iron	<input type="checkbox"/> Wood	<input type="checkbox"/> Brick
<input type="checkbox"/> Cement blocks	<input type="checkbox"/> Plaster	<input type="checkbox"/> Stone

Upper storeys – External main material:

<input type="checkbox"/> Corrugated iron	<input type="checkbox"/> Wood	<input type="checkbox"/> Brick
<input type="checkbox"/> Cement blocks	<input type="checkbox"/> Plaster	<input type="checkbox"/> Stone

Quality for the architectonic elements:

Arcade	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Doors	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Windows	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Balcony	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Loggia	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Terrace	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Iron framing	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Decoration	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Stringcourse	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low

Doors – Shape:

<input type="checkbox"/> Rectangular	<input type="checkbox"/> Squarely
--------------------------------------	-----------------------------------

Doors – Material:

<input type="checkbox"/> Timber - wood	<input type="checkbox"/> Anodized aluminium	<input type="checkbox"/> Metal
<input type="checkbox"/> PVC	<input type="checkbox"/> Other material	

Doors – General condition:

<input type="checkbox"/> Good	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Bad
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Windows – Shape:	<input type="checkbox"/> Rectangular vertical	<input type="checkbox"/> Rectangular horizontal	<input type="checkbox"/> Squarely

Windows – Material:	<input type="checkbox"/> Timber - wood	<input type="checkbox"/> Anodized aluminium	<input type="checkbox"/> Metal
	<input type="checkbox"/> PVC	<input type="checkbox"/> Other material	

Windows – General condition:	<input type="checkbox"/> Good	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Bad
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Balcony – Shape:	<input type="checkbox"/> Rectangular	<input type="checkbox"/> Half circle	<input type="checkbox"/> Squarely
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Balcony – Material:	<input type="checkbox"/> Brick	<input type="checkbox"/> Stone	<input type="checkbox"/> Reinforced concrete
	<input type="checkbox"/> Wood	<input type="checkbox"/> Metal	<input type="checkbox"/> Other material

Balcony – Balustrade material:	<input type="checkbox"/> Brick	<input type="checkbox"/> Stone	<input type="checkbox"/> Reinforced concrete
	<input type="checkbox"/> Wood frame	<input type="checkbox"/> Iron frame	<input type="checkbox"/> Other material

Balcony – General condition:	<input type="checkbox"/> Good	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Bad
-------------------------------------	-------------------------------	-----------------------------------	------------------------------

Decoration – Position:	<input type="checkbox"/> Building surface	<input type="checkbox"/> Vertical layout	<input type="checkbox"/> Horizontal layout
	<input type="checkbox"/> Point - dot		

Decoration – Material:	<input type="checkbox"/> Stone	<input type="checkbox"/> Reinforced concrete	<input type="checkbox"/> Plastering
	<input type="checkbox"/> Wood	<input type="checkbox"/> Metal	<input type="checkbox"/> Other material

Decoration – Type of decoration:	<input type="checkbox"/> Floral	<input type="checkbox"/> Geometrical	<input type="checkbox"/> Figurative
	<input type="checkbox"/> Other		

Decoration – General condition:

<input type="checkbox"/> Good	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Bad
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Front elevation - Overall architectural quality:

<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
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Front elevation – General condition:

<input type="checkbox"/> Good	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Bad
<input type="checkbox"/> Ruin		

Front elevation – Level of integration in the urban context:

- Outstanding (High level for architectural quality and interest)
 - Strong identity (Good integration in the urban context)
 - Contrast (Front elevation like one breach for the urban context)
-

Open spaces

ID Open space number GIS		
Type of space:	<input type="checkbox"/> Square	<input type="checkbox"/> Garden
	<input type="checkbox"/> Other	<input type="checkbox"/> Courtyard
		<input type="checkbox"/>
Property:	<input type="checkbox"/> Private	<input type="checkbox"/> Public
		<input type="checkbox"/> Different owners
Presence of vegetation:	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Type of vegetation:	<input type="checkbox"/> Scattered trees	<input type="checkbox"/> Group of trees
	<input type="checkbox"/> Grass	<input type="checkbox"/> Bushes
Surface main material	<input type="checkbox"/> Asphalt	<input type="checkbox"/> Concrete
	<input type="checkbox"/> Cobblestones	<input type="checkbox"/> Stone
Accessibility	<input type="checkbox"/> Impossible	<input type="checkbox"/> Restricted
		<input type="checkbox"/> Free
Open space – Overall urban quality:	<input type="checkbox"/> High	<input type="checkbox"/> Medium
		<input type="checkbox"/> Low
Open space – General condition:	<input type="checkbox"/> Good	<input type="checkbox"/> Ordinary
	<input type="checkbox"/> Ruin	<input type="checkbox"/> Bad
Open space – Level of integration in the urban context:	<input type="checkbox"/> Outstanding (High level for quality and interest) <input type="checkbox"/> Strong identity (Good integration in the urban context) <input type="checkbox"/> Contrast (Open space like one breach for the urban context)	

Street

ID street number GIS

Type of street:

<input type="checkbox"/> Commercial street	<input type="checkbox"/> Panoramic street	<input type="checkbox"/> Picturesque street
<input type="checkbox"/> Other		

Name:

Surface main material:

<input type="checkbox"/> Asphalt	<input type="checkbox"/> Concrete	<input type="checkbox"/> Stone
<input type="checkbox"/> Cobblestones		

Steps:

<input type="checkbox"/> Yes	<input type="checkbox"/> No
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Accessibility

<input type="checkbox"/> Cars	<input type="checkbox"/> Pedestrians	<input type="checkbox"/> Pedestrians and cars
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Parking's presence:

<input type="checkbox"/> Yes	<input type="checkbox"/> No
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Street – Overall urban quality:

<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
-------------------------------	---------------------------------	------------------------------

Street – General condition:

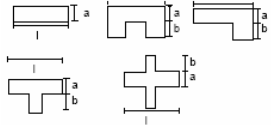
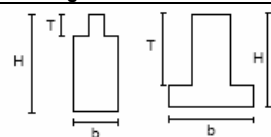
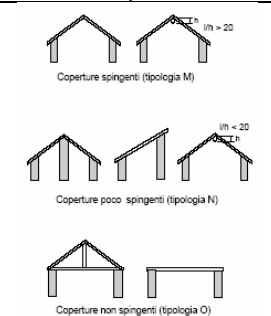
<input type="checkbox"/> Good	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Bad
<input type="checkbox"/> Ruin		

Street – Level of integration in the urban context:

- Outstanding (High level for quality and interest)
- Strong identity (Good integration in the urban context)
- Contrast (Street like one breach for the urban context)

Appendix 2
Second level data entry form for evaluation of seismic vulnerability

G.E.M.M. SCHEDA DI VULNERABILITA' DI 2° LIVELLO

Comune VALPARAISO Cerro:				Codice edificio	Schema N°
<u>PARAMETRI</u>	Classi	Qual. Inf.	<u>ELEMENTI DI VALUTAZIONE</u>	<u>SCHEMI E RICHIAMI</u>	
1			Norme nuove costruzioni e/o riparazioni Cordoli e/o catene e/o controventi a tutti i livelli Buoni ammassamenti fra muri e tra due piani consecutivi Edifici con cattivi ammassamenti	A B C D	3. Resistenza conven. Edificio 1. Sfalsamento ≤ 0.5 m $\rightarrow 1$ 2. 0.5 m $<$ Sfalsamento ≤ 1.5 m $\rightarrow 0.66$ 3. Sfalsamento massimo $\rightarrow 0.33$ <hr/> 1. Intercluso $\rightarrow 1$ 2. Angolo $\rightarrow 0.75$ 3. Testata $\rightarrow 0.50$ 4. Isolato $\rightarrow 0.25$ <hr/> 1. Omogeneo $\rightarrow 1$ 2. Non omogeneo $\rightarrow 0.5$ <hr/> Qualità S.R. 1-2 $\rightarrow 2000$ kg/m ³ Qualità S.R. 3-4 $\rightarrow 1200$ kg/m ³ $C = \frac{S}{N \cdot \rho} \begin{cases} \geq 0.1 \rightarrow 1 \\ < 0.1 \rightarrow 0.5 \end{cases}$ $\alpha = \frac{\sum_{i=a}^c i + C}{4} = \underline{\hspace{2cm}}$
2			1. Muratura mattoni 2. Muratura mista 3. Sistema misto muratura/adobe-legno 4. Edifici in adobe	— —	<hr/> Qualità S.R. 1-2 $\rightarrow 2000$ kg/m ³ Qualità S.R. 3-4 $\rightarrow 1200$ kg/m ³ $C = \frac{S}{N \cdot \rho} \begin{cases} \geq 0.1 \rightarrow 1 \\ < 0.1 \rightarrow 0.5 \end{cases}$ $\alpha = \frac{\sum_{i=a}^c i + C}{4} = \underline{\hspace{2cm}}$
3			a) Sfalsamento solai edifici attigui (m) b) Posizione in aggregato c) Omogeneità aggregato d) Numero di piani N e) Superficie coperta S f) Peso specifico pareti ρ (t/m ³)	— — — — — — — — —	<hr/> 6. Configurazione planimetrica 
4			a) Pendenza percentuale del terreno (%) b) Differenza max quota Δh (m) c) Roccia (S/N) d) Terreno sciolto non spingente (S/N) e) Terreno sciolto spingente (S/N)	— — — — — —	<hr/> 7. Configurazione in elevazione 
5			a) Piani sfalsati (S/N) 1. Orizzontamenti rigidi e ben collegati 2. Orizzontam. deformabili e ben collegati 3. Orizzontam. rigidi e mal collegati 4. Orizzontam. deformabili e mal collegati	— — — —	<hr/> 8. Copertura 
6			Rapporto percentuale $\beta_1 = a/l$ (a: ___ l: ___) Rapporto percentuale $\beta_2 = b/l$ (b: ___ l: ___)	— — —	<hr/>

7	CONFIGURAZIONE IN ELEVAZIONE			1. Aumento o dimun. massa (%) 2. Sup. porticata (%) 3. T/H (%)	_____ - _____ - _____	
8	Dmax STRUTTURA			Rapporto massimo l/s (l:____ s:____)	_____ =	
9	COPERTURA			1. Copertura spingente (S/N) 2. Catene e/o collegamenti (S/N)	_____ - _____ -	
10	ELEM.NON STRUTTURALE			(Vedi manuale)		
11	STATO DI FATTO			(Vedi manuale)		

Appendix 3
Ficha de Valoración de Inmuebles de Conservación Histórica

FICHA DE VALORACIÓN INMUEBLE DE CONSERVACIÓN HISTÓRICA			ROL				
1.- IDENTIFICACIÓN DEL INMUEBLE							
REGIÓN	COMUNA	CALLE	NÚMERO				
ID PLANO	DENOMINACIÓN DE INMUEBLE	AUTOR (arquitecto)					
2.- PLANO DE UBICACIÓN		3.- FOTO DEL INMUEBLE					
4.- RESEÑA DE VALORES Y ATRIBUTOS PATRIMONIALES DEL INMUEBLE							
4.1 VALOR URBANO							
4.2 VALOR ARQUITECTÓNICO							
4.3 VALOR HISTÓRICO							
4.4 VALOR ECONÓMICO y SOCIAL							
5.- EVALUACIÓN (TABLA DE ATRIBUTOS)							
VALOR	ATRIBUTOS			PUNTOS	NIVEL DE INTERVENCIÓN (1-2)	INSERTO EN ZCH	
	A	B	C			SI	NO
URBANO						IDENTIFICACIÓN ZCH	
ARQUITECTÓNICO							
HISTÓRICO							
ECONOM. y SOCIAL							
VALOR TOTAL							
6.- REFERENCIAS BIBLIOGRÁFICAS Y FUENTES							

7.- INFORMACIÓN TÉCNICA**7.1 DESTINO DEL INMUEBLE(*)**

	ORIGINAL	ACTUAL
SS		
PP		
PS		

7.2 AÑO DE CONSTRUCCIÓN

Ant. 1839	1840 1859	1860 1879	1880 1899	1900 1919	1920 1039	1940 1959	1960 1989	post 1990

7.3 CALIDAD JURIDICA

PUBLICO	PRIVADO	OTROS

7.4 TENENCIA

REGIMEN	FORMA
PROPIEDAD INDIVIDUAL	PROPIETARIO
PROPIEDAD COLECTIVA	ARRENDATARIO
	OTROS

7.5 AFECTACIÓN L ACTUAL

Declarado de Utilidad Publica	Antejardín	Otros (Especificar)
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7.6 OBSERVACIONES

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(*) SS=Subsuelo; PP= Primer piso; PS= Pisos superiores

8.- CARACTERÍSTICAS MORFOLÓGICAS DEL INMUEBLE

8.1 TIPOLOGÍA DEL INMUEBLE	8.2 SIST. DE AGRUPAMIENTO	8.3 TIPO DE CUBIERTA
MANZANA	AISLADO	HORIZONTAL
ESQUINA	PAREADO	INCLINADA
ENTRE MEDIANEROS	CONTINUO	CURVA (otros)

8.4 SUPERFICIES	8.5 ALTURA	8.6 ANTEJARDÍN
TERRENO	EDIFICADA	Nº PISOS
		METROS
		METROS

8.7 MATERIALIDAD DEL INMUEBLE

ESTRUCTURA	TECHUMBRE	FOTO DETALLE CONSTRUCTIVO (otro)
8.8 DESCRIPCIÓN DEL INMUEBLE		

8.9 ESTADO DE CONSERVACIÓN	8.10 GRADO DE ALTERACIÓN	8.11 APTITUD PARA REHABILITACIÓN
ELEMENTO	ENTORNO	SIN MODIFICACIÓN
BUENO	BUENO	POCO MODIFICADO
REGULAR	REGULAR	MUY MODIFICADO
MALO	MALO	OTRO

8.12 RELACIÓN DEL ELEMENTO CON SU ENTORNO

IMAGEN URBANA RELEVANTE POR	FORMA PARTE DE UN CONJUNTO	PRESENCIA ELEMENTOS PATRIMON.
UBICACIÓN	SI	MONUMENTO HISTÓRICO
SINGULARIDAD	NO	INMUEBLE DE CONS. HIST.

9. CONCLUSIONES Y RECOMENDACIONES

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Appendix 4
Ficha de Valoración de Zonas de Conservación Histórica

FICHA DE VALORACIÓN ZONA DE CONSERVACIÓN HISTÓRICA	N° REGISTRO
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1.- IDENTIFICACIÓN DE LA ZONA		
REGIÓN	COMUNA	LIMITES ZONA (descripción -referencias)
DENOMINACIÓN		

2.- PLANO DE UBICACIÓN	3.- FOTO DE LA ZONA

4.- VALORES Y ATRIBUTOS PATRIMONIALES DE LA ZONA			
4.1 CARACTERIZACIÓN			
GRAN CONCENTRACIÓN DE ELEMENTOS PATRIMONIALES		HOMOGENEIDAD en el CONJUNTO DE EDIFICACIONES	
4.2 RESEÑA (Urbana/Arquitectónica/Histórica/Económica/Social)			

5.- ELEMENTOS DE VALOR PATRIMONIAL EN LA ZONA				
5.1 TIPO Y CANTIDAD DE ELEMENTOS				
MONUMENTO HISTÓRICO (s)	SITIO ARQUEOLÓGICO (s)	SANTUARIO NATURALEZA	INMUEBLES DE CONSERV.HISTORICA	OTROS
5.2 APTITUD DE LOS INMUEBLES PARA SER INTERVENIDOS				

6.- REFERENCIAS BIBLIOGRÁFICAS Y FUENTES

7.- INFORMACIÓN TÉCNICA

7.1 DESTINO PREFERENTE				7.2 SUPERFICIE ZONA								
ORIGINAL		ACTUAL		CANT. MANZANAS			CANT. ROLES		M ² / HA. APROX.			
7.3 VIALIDAD PREFERENTE				7.4 AÑO DE CONSTRUCCIÓN PROMEDIO DE LOS EDIFICIOS								
PEATONAL				Ant. 1839		1860 1879	1880 1899	1900 1919	1920 1039	1940 1959	1960 1989	post 1990
VEHICULAR												
7.5 OBSERVACIONES												

8.- CARACTERÍSTICAS MORFOLÓGICAS PREDOMINANTES en las edificaciones

8.1 TIPOLOGÍA PREDOMINANTE												
EMPLAZAMIENTO				ELEMENTOS ARQUITECTÓNICOS				TIPO CUBIERTA				
MANZANA COMPLETA				(Existencia de portales, marquesinas, balcones, frontones, etc.)				HORIZONTAL				
EDIFICIOS ESQUINA								INCLINADA				
DISPERSO en la MANZANA								CURVA (OTROS)				
8.2 RELACIÓN CON ESPACIO PÚBLICO												
SISTEMA AGRUPAMIENTO				ALTURA				LÍNEA DE EDIFICACIÓN				
EDIFICACION AISLADA				Nº PISOS		METROS		CON ANTEJARDÍN				
EDIFICACION PAREADA								EN LÍNEA DE CIERRO				
EDIFICACION CONTINUA								CON RETRANQUEO				
8.3 MATERIALIDAD												
ESTRUCTURA (Clasif. MINVU)						CUBIERTA			FACHADA			OTROS
A	B	C	D	E	F							
8.4 GRADO DE HOMOGENEIDAD DE LOS INMUEBLES EN LA ZONA(%)												
MENOS DE 20%		20 - 40 %		40 - 60 %		60 - 80 %		MÁS DE 80%				
8.5 GRADO DE SUSTITUCIÓN Y/O ALTERACIÓN DE LOS INMUEBLES EN SU CONJUNTO (% INTERVENIONES)												
MENOS DE 20%		20 - 40 %		40 - 60 %		60 - 80 %		MÁS DE 80%				
8.6 ESTADO DE CONSERVACIÓN GENERAL DE LA ZONA												
CONSTRUCCIONES						INFRAESTRUCTURA (vialidad-mobiliario -redes- postación-						
BUENO		REGULAR		MALO		BUENO		REGULAR		MALO		
8.7 OBSERVACIONES												
9.- CONCLUSIONES Y RECOMENDACIONES												

Appendix 5
Urban analysis and pilot project for the Cerro Cordillera

"Mar Vasto" - Manejo de riesgos en Valparaíso
 Cerro Cordillera's pilot project



*SOLO donde tu estas
 hace un lugar*

00_Area of intervention

-  Streets
-  Buildings
-  Contour lines
-  Open spaces



Aerial view from south



Aerial view from north



Aerial view from east



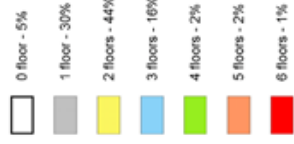
January - February 2008

"Mar Vasto" - Manejo de riesgos en Valparaíso
Cerro Cordillera's pilot project



*solo donde tu estas
hace un lugar*

01_Height buildings



January - February 2008

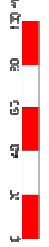
"Mar 'nada" - Mercado de mariscos en Capatzen, Centro Occidental del Cerezo



şəhərdəki hər şeyin
mənşəyi bu yerdədir

02_Architectonic styles

- Art Deco
- Art Nouveau I
- Art Nouveau II
- Baroque
- Colonial
- Modernism
- Neoclassical
- Neomodern
- Postmodern
- Traditional



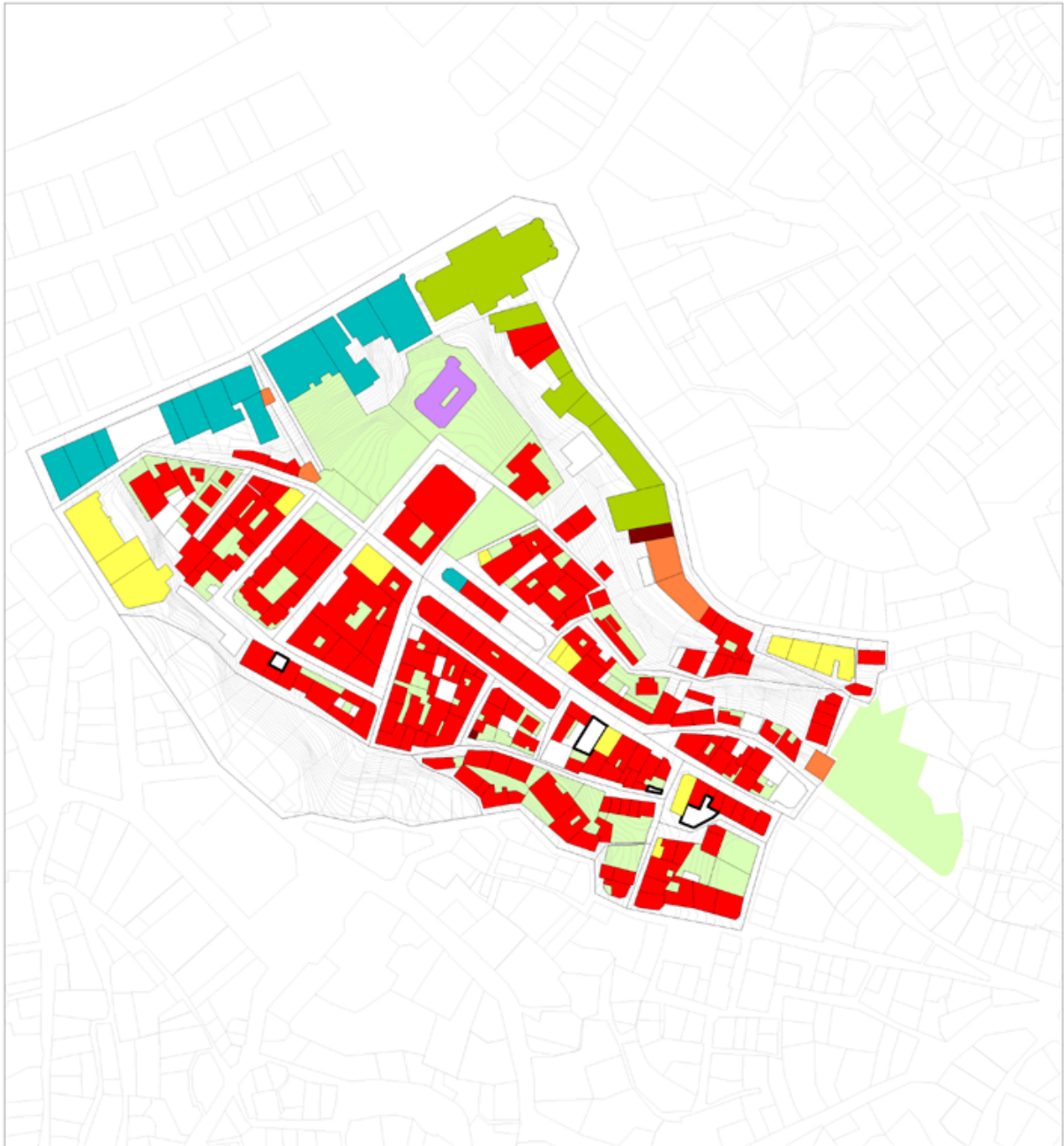
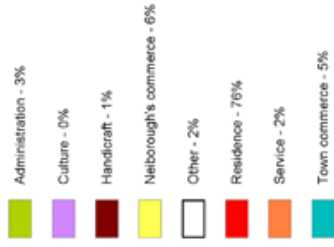
02 - 01 - 2022

"Mar Vesto" - Manejo de riesgos en Valparaíso
 Cerro Cordillera's pilot project



*solo donde tu estas
 hace un lugar*

03_Main function at the ground floor



January - February 2008

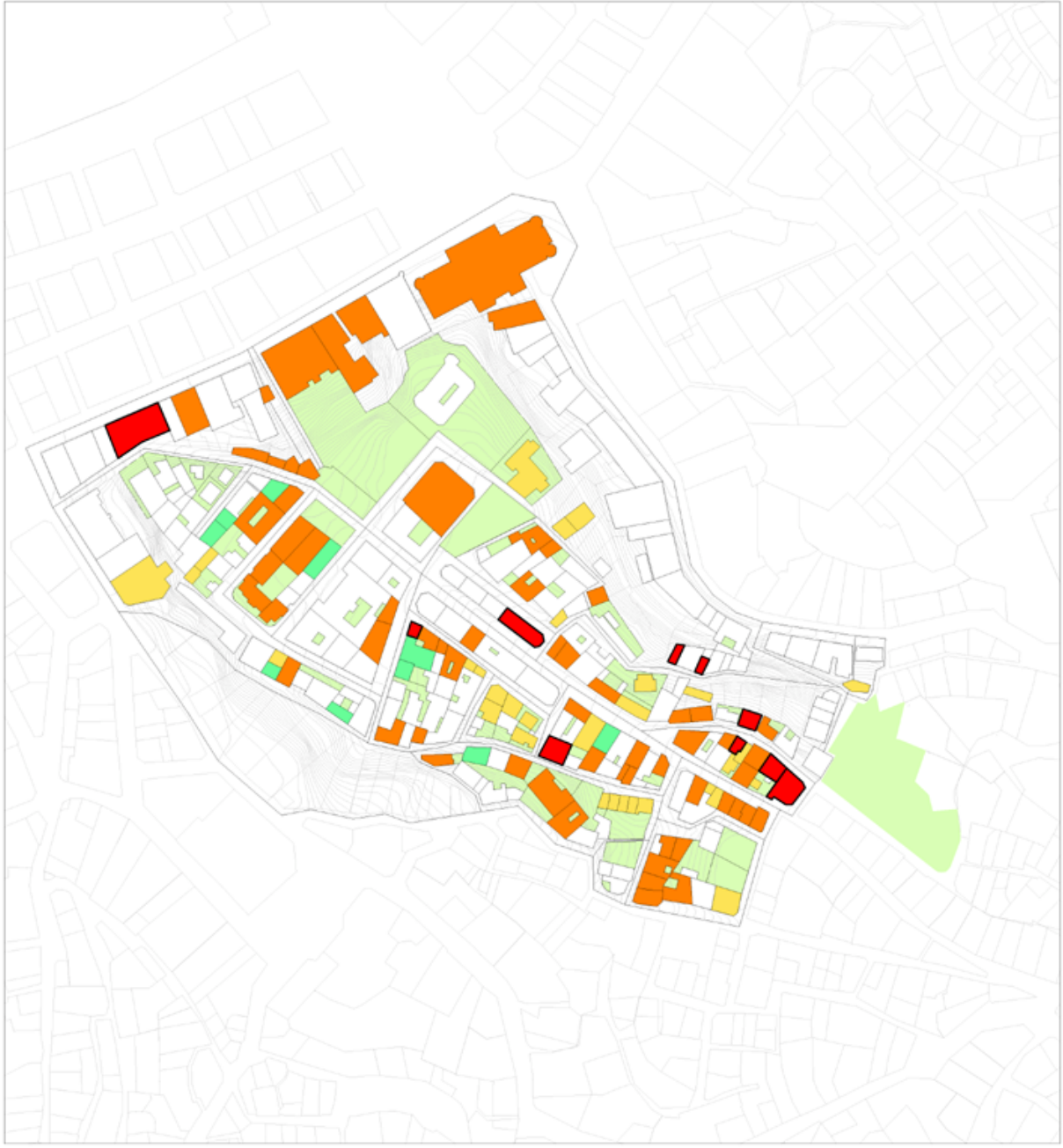
"Mar Vesto" - Manejo de riesgos en Valparaíso
 Cerro Cordillera's pilot project



*SOLO donde tu estas
 hace un lugar*

04_Recent transformations

- Demolition
- New building
- Rehabilitation
- Renovation



Genesio - Febrero 2006

"Mar Vesto" - Manejo de riesgos en Valparaíso
Cerro Cordillera's pilot project

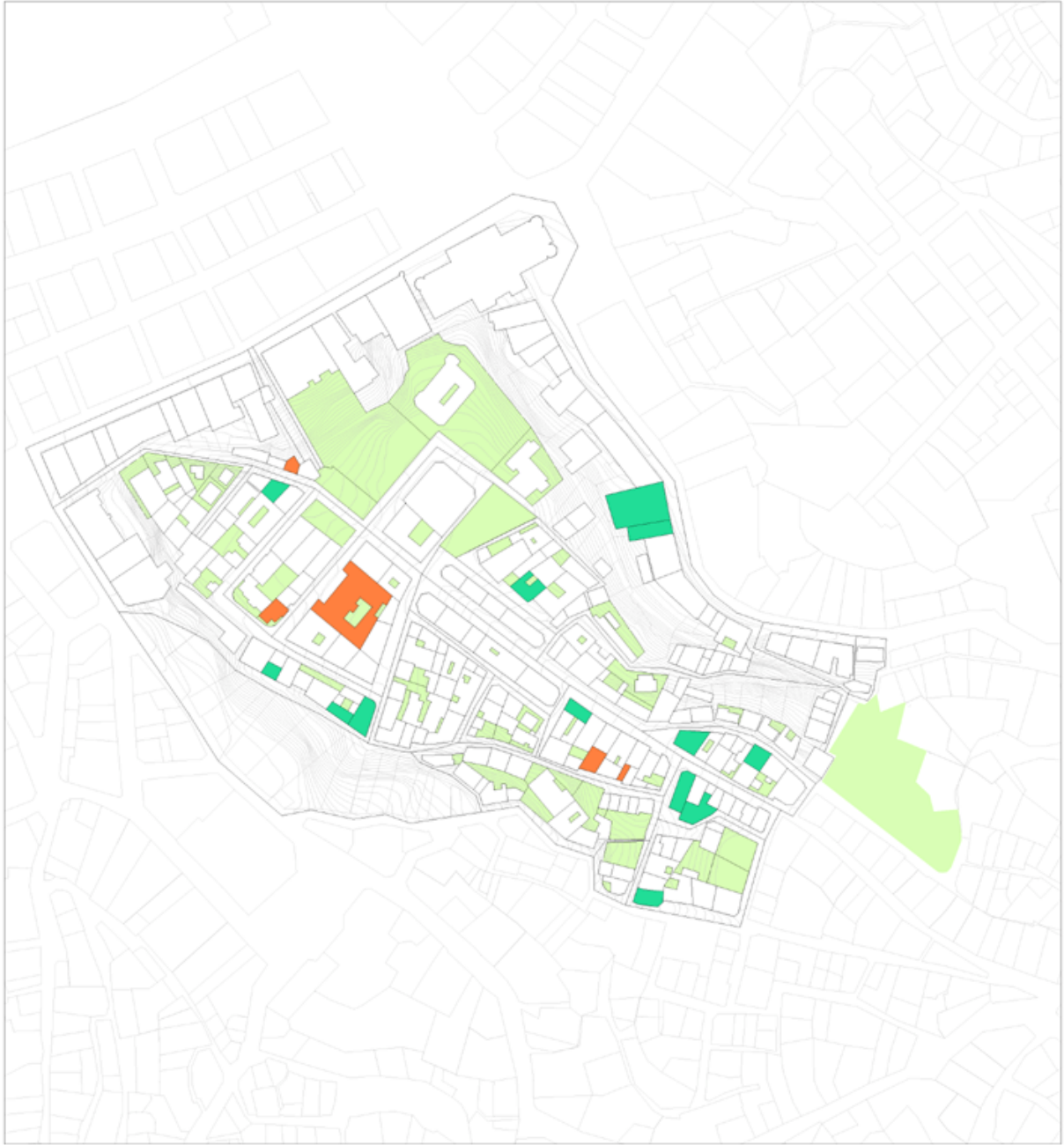


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05_Building's additions

Horizontal addition inconsistent

Vertical addition inconsistent



Generado - Febrero 2008

"Mar Vesto" - Manejo de riesgos en Valparaíso
Cerro Cordillera's pilot project



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06_Building's state of occupancy

- Lived - 80%
- Not lived - 5%
- Partially lived - 10%



Generado - Febrero 2008

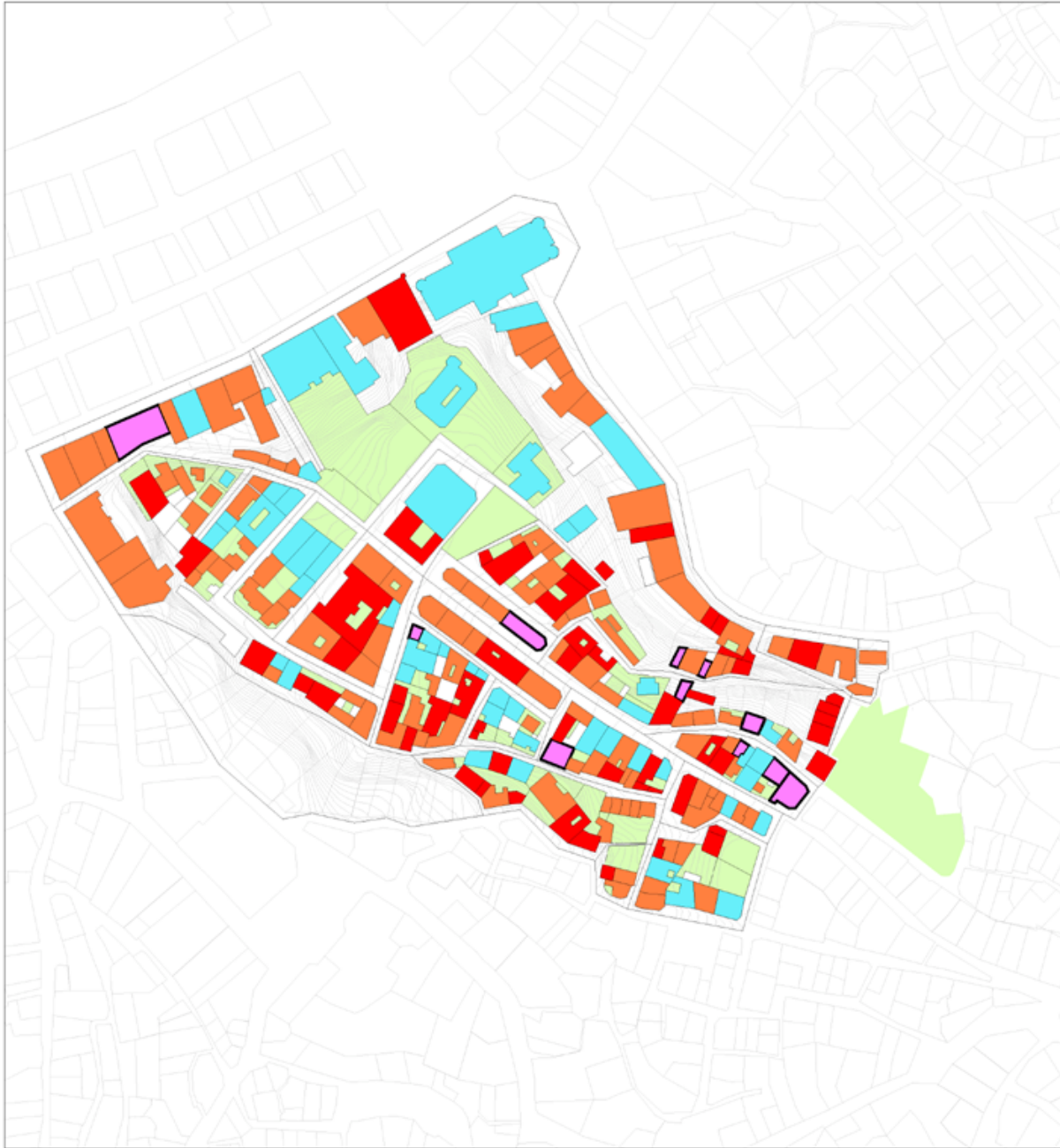
"Mar Vasto" - Manejo de riesgos en Valparaíso
 Cerro Cordillera's pilot project



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07_Building's general conditions

- Bad - 24%
- Good - 22%
- Ordinary - 40%
- Ruin - 5%



"Mar Vesko" - Manejo de riesgos en Valparaíso
 Cerro Cordillera's pilot project



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06_Building's level of integrations

- Ruin
- Outstanding
- Strong identity
- Good integration
- Contrast



Outstanding



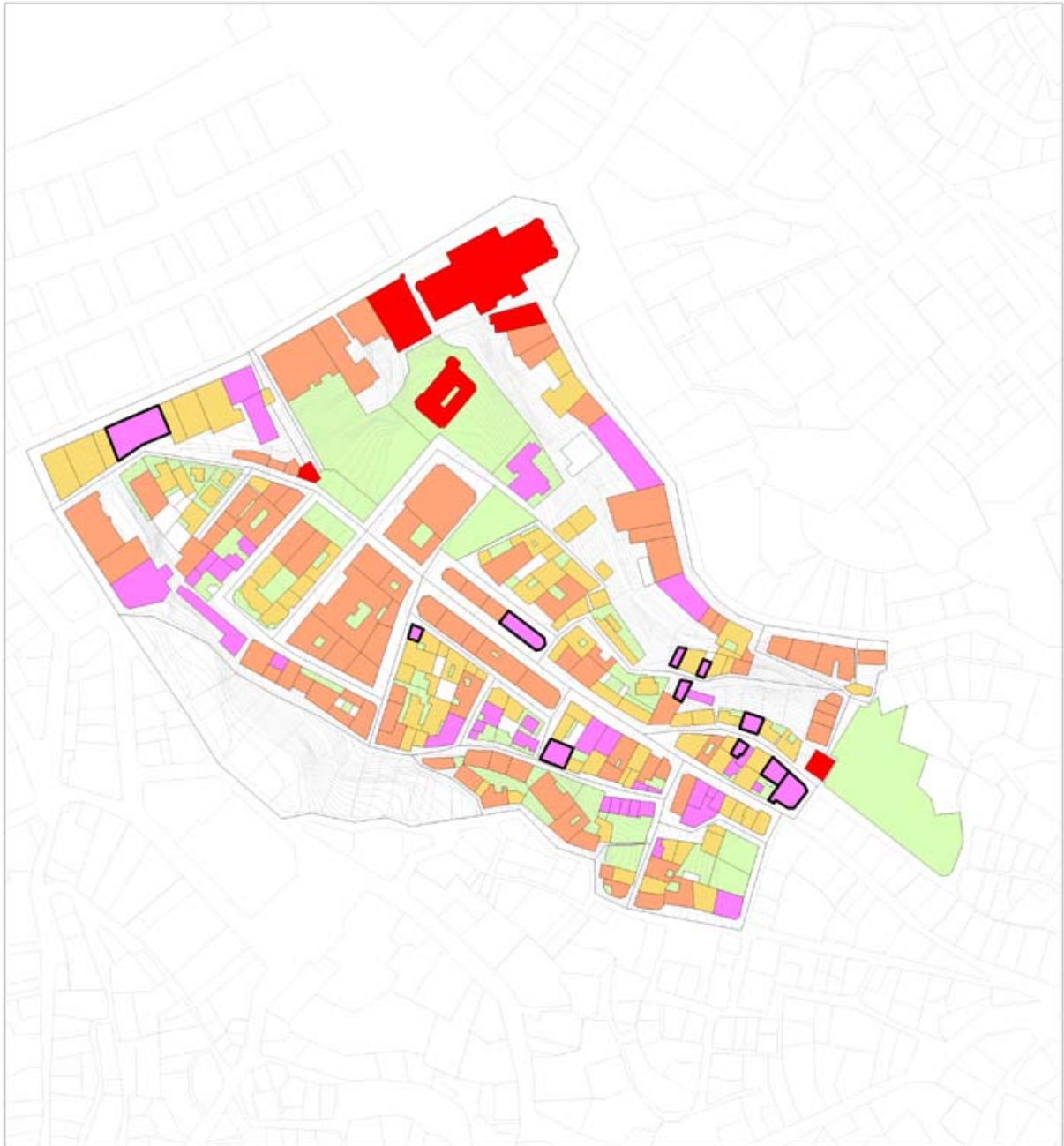
Strong identity



Contrast



Good integration



Genesys - February 2006

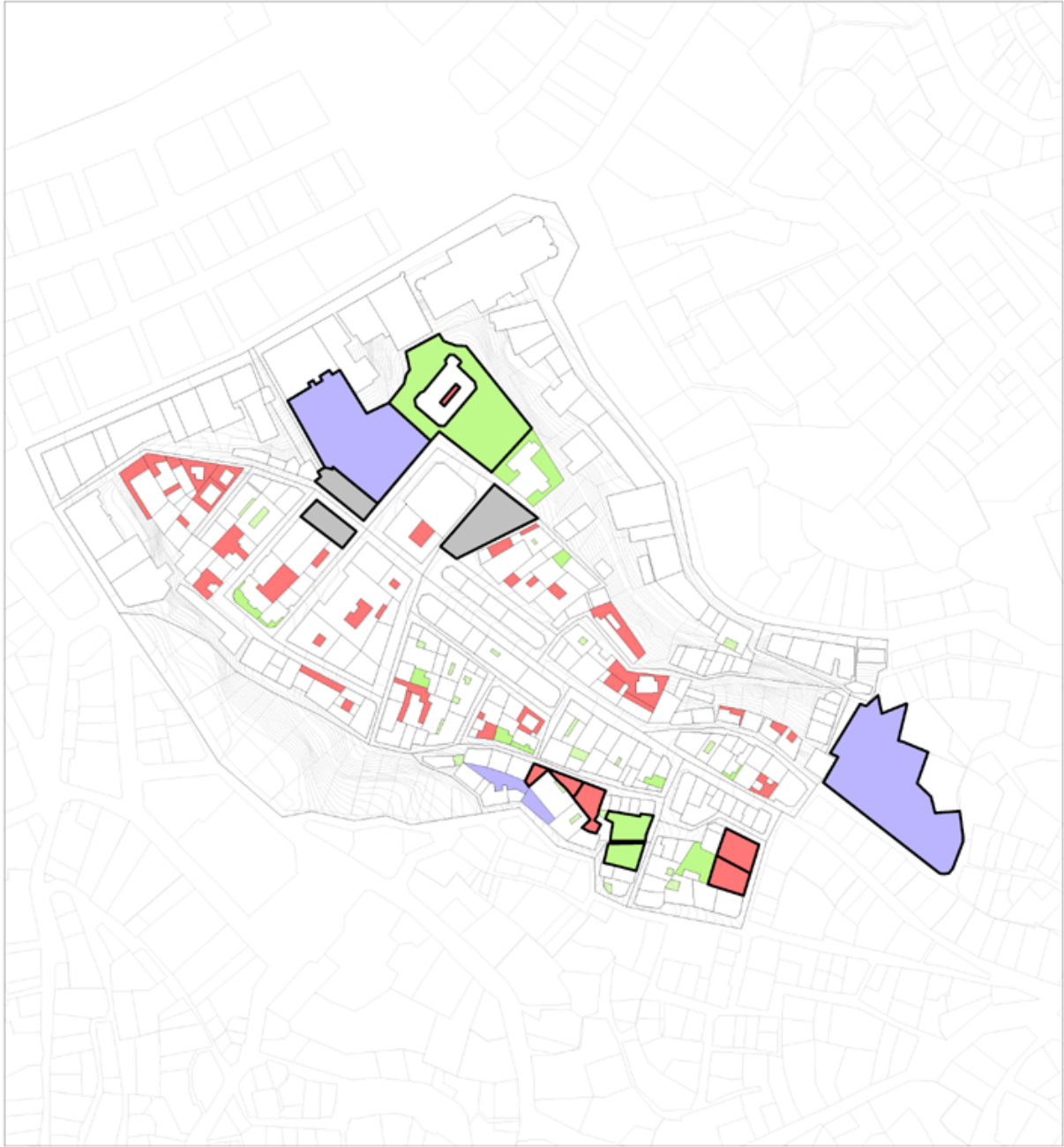
"Mar Vesto" - Manejo de riesgos en Valparaíso
Cerro Cordillera's pilot project



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06_Open spaces

- Open space high level of interest
- Courtyard
- Garden
- Squaire
- Other



January - February 2008

"Mar Vasto" - Manejo de riesgos en Valparaíso
 Cerro Cordillera's pilot project



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00_ Streets and paths

- Good
- Ordinary
- Bad
- Panoramic and picturesque streets



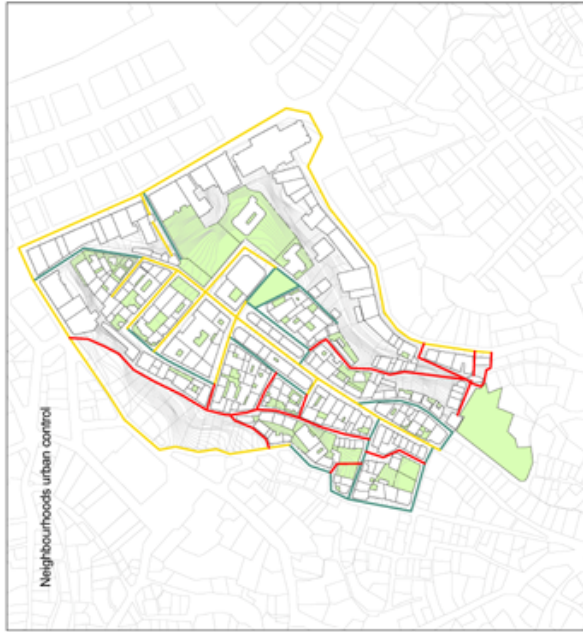
Calle Visagrán



Calle Castillo



Ascensor Cordillera



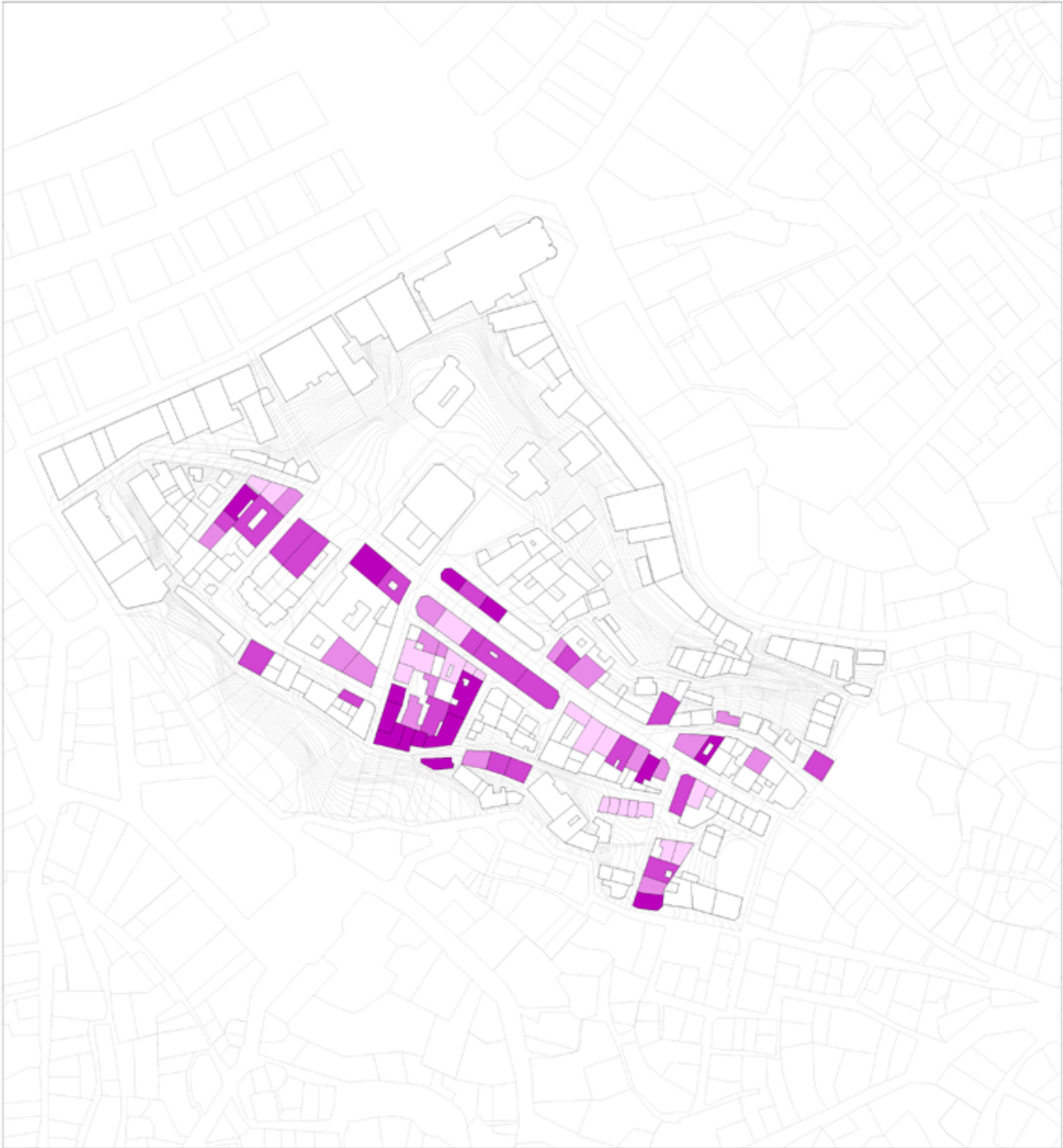
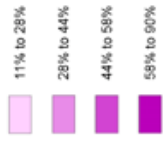
January - February 2008

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Cerro Cordillera's pilot project



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11_Index of vulnerability









January - February 2008

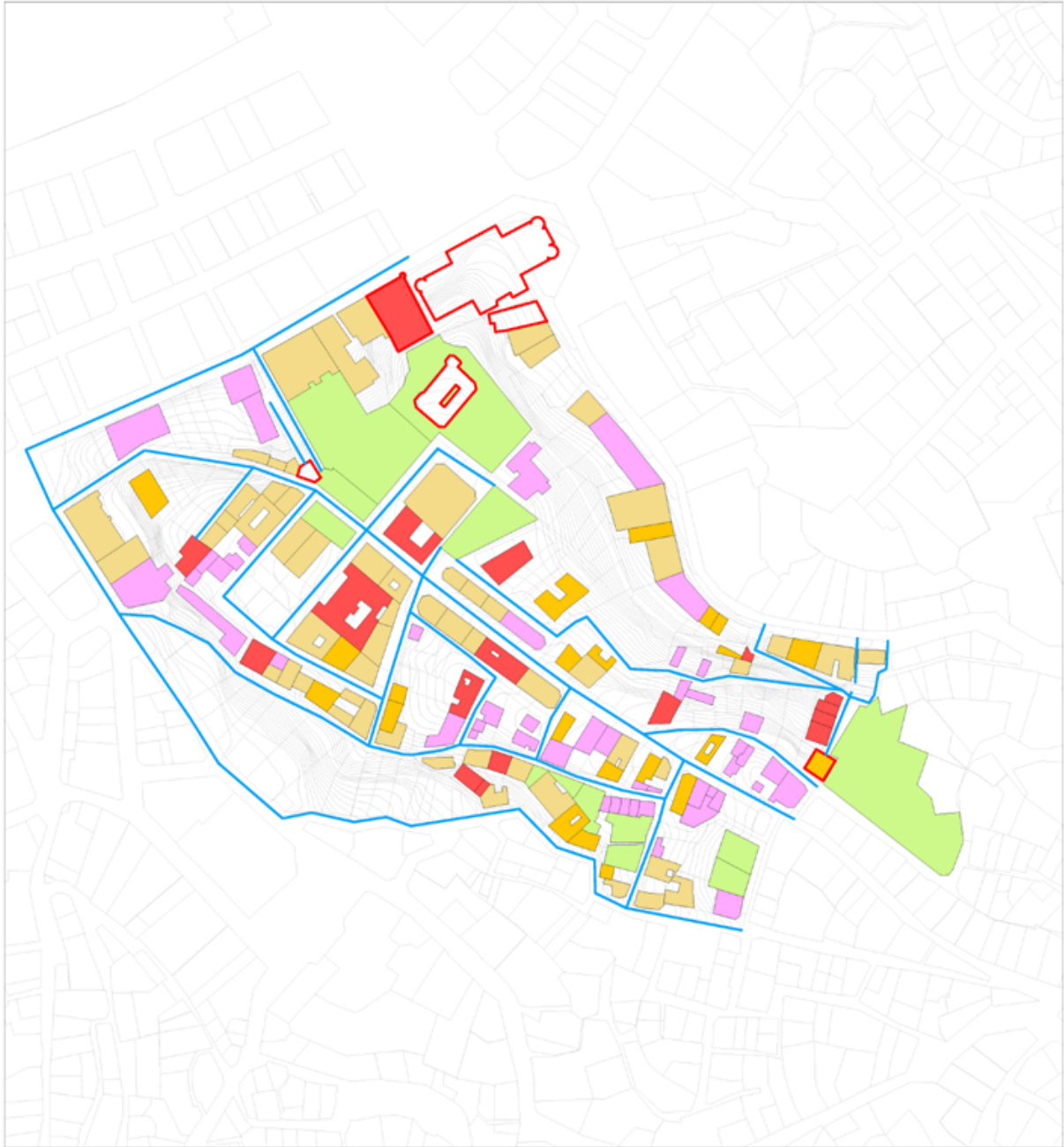
"Mar Vesto" - Manejo de riesgos en Valparaíso
Cerro Cordillera's pilot project



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12_Synthesis of the information

-  Outstanding buildings
-  High architectural quality - Bad condition
-  Medium architectural quality - Bad condition
-  Building's strong identity with the urban environment
-  Building's contrast with the urban environment
-  Open spaces with high level of interest
-  Streets and paths with high level of interest



January - February 2008

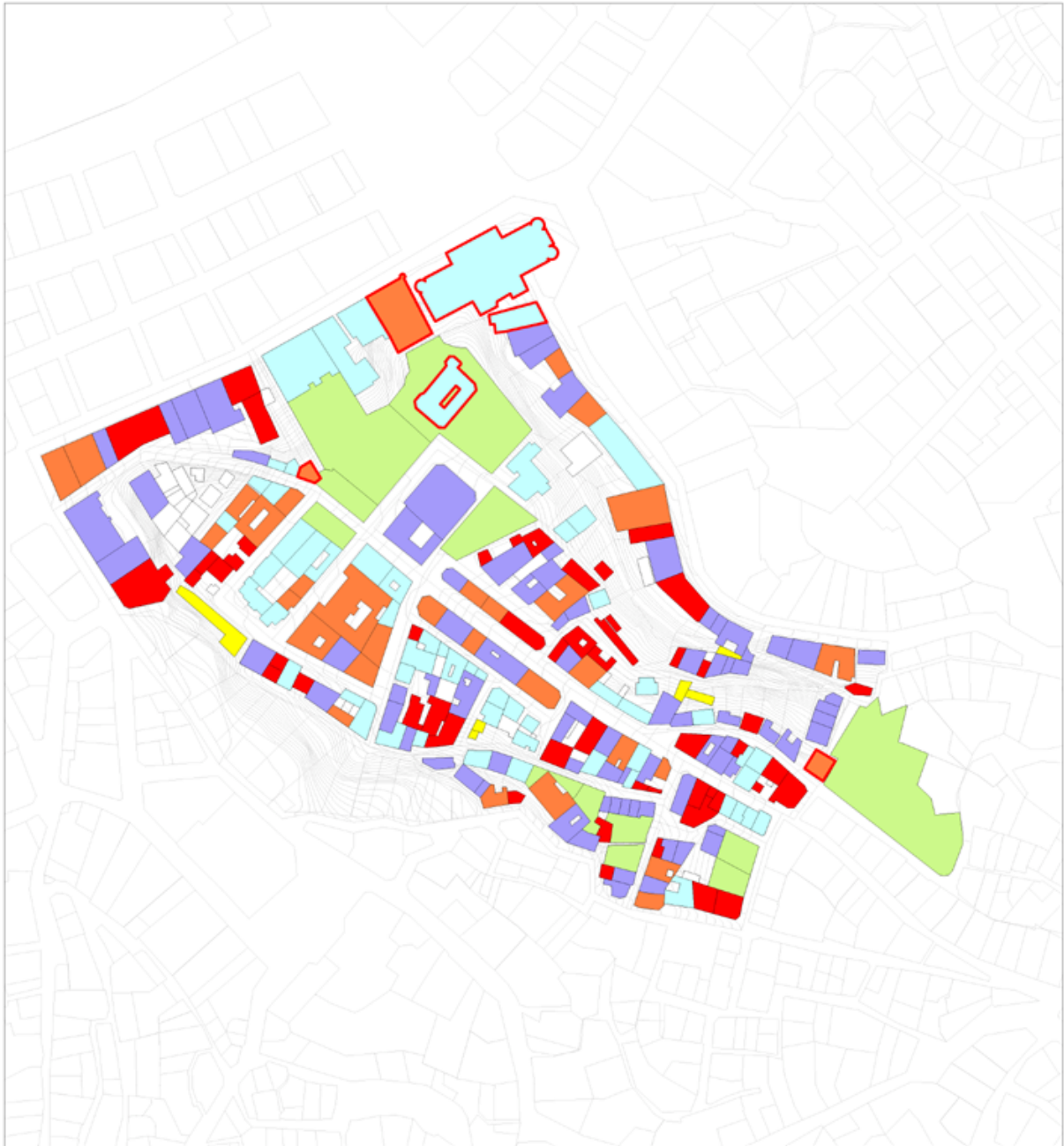
"Mar Vesto" - Manejo de riesgos en Valparaíso
 Cerro Cordillera's pilot project



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13_intervention categories

- Outstanding buildings
- Restoration
- Rehabilitation
- Re-development
- Demolition
- Ordinary maintenance
- Open spaces high level



January - February 2008

"Mar Vesto" - Manejo de riesgos en Valparaíso
 Cerro Cordillera's pilot project



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14_Urban landmark system

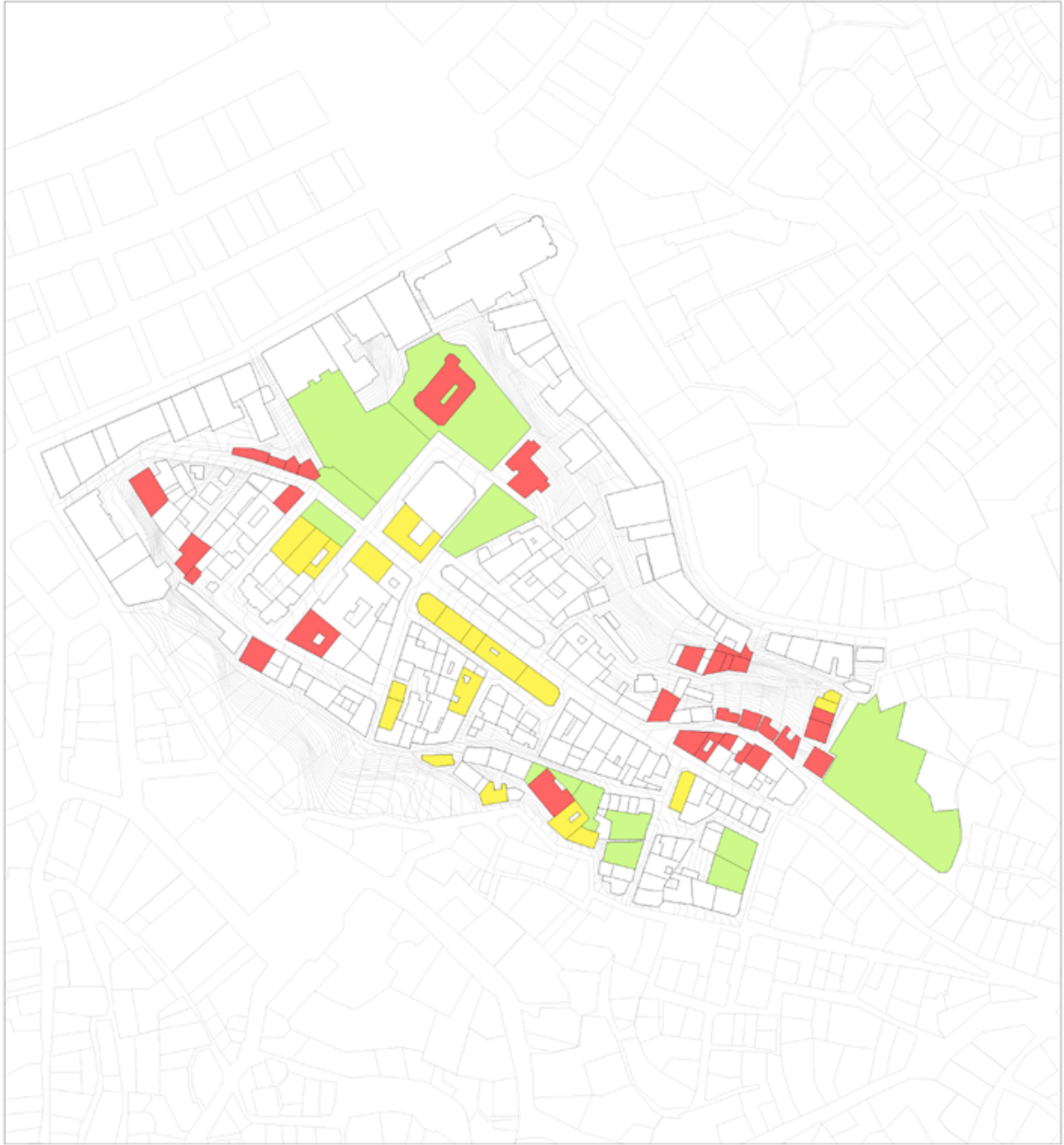
- Landmark In
- Landmark Out
- Open spaces high level



Landmark In



Landmark Out



January - February 2006

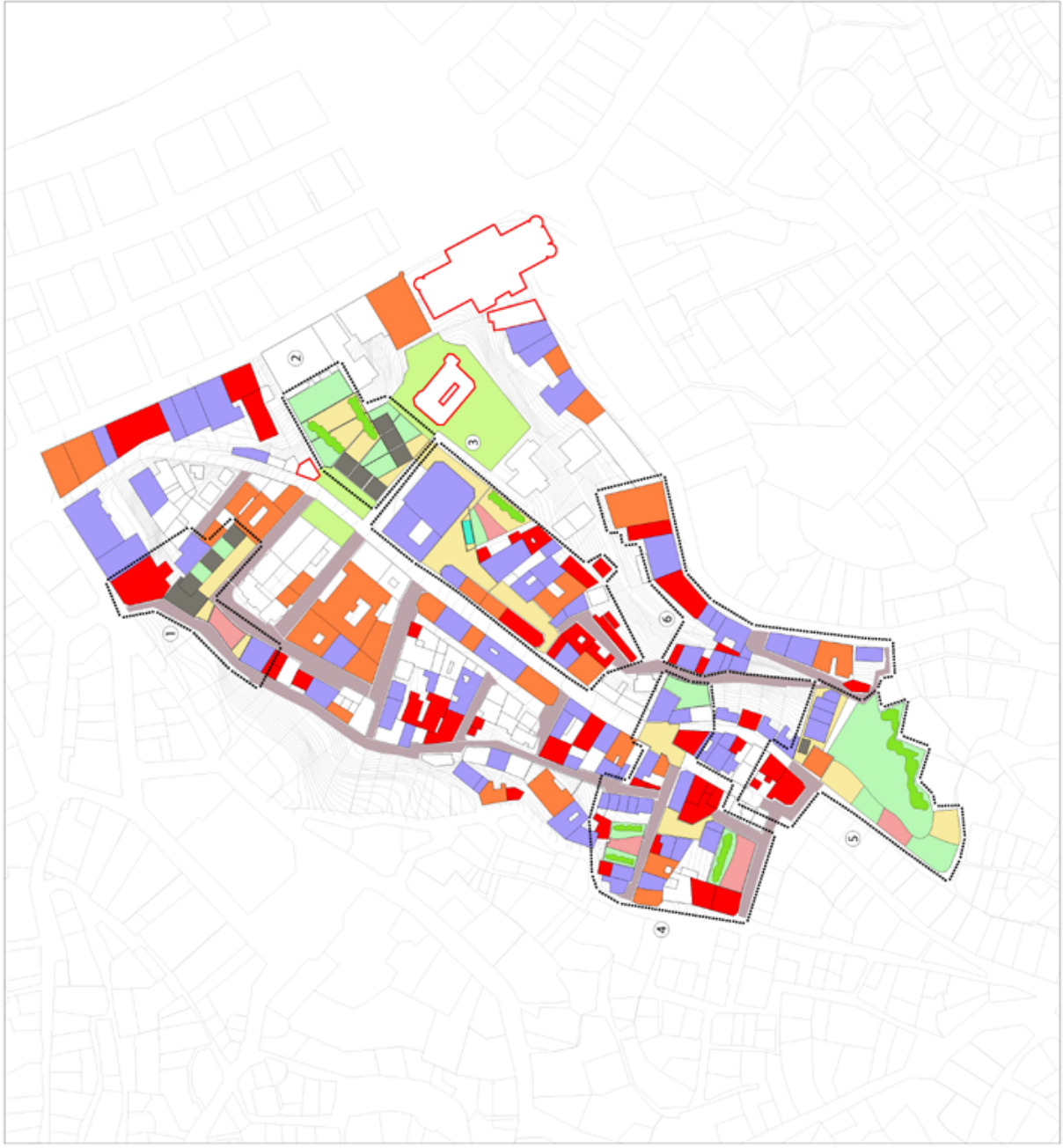
"Mar Vesto" - Manejo de riesgos en Valparaíso
 Cerro Cordillera's pilot project



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15_Urban layout

- Outstanding buildings
 - Restoration
 - Rehabilitation
 - Re-development
 - New buildings
 - Existing open space to improve
 - New open spaces
 - Urban sport's facilities, gardens, open markets, others.
 - Street's system to improve
- ① Mirador Purcell's area
Public Housing, new entrance to Cerro and open spaces
 - ② Cerro Cordillera Museo del Mar research area.
Housing, workshops, exhibitions, public spaces
 - ③ Calle Castillo's area
New public square
 - ④ Cerro Cordillera's new local public district
Services, public housing, open spaces
 - ⑤ San Agustín's cable car area.
Tourism facilities and new public park
 - ⑥ Calle Tomas Ramos's area
Services, commerce, housing



January - February 2008

"Mar Vestio" - Manejo de riesgos en Valparaíso
Cerro Cordillera's pilot project



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16_Project network

- Outstanding buildings
 - Restoration
 - Rehabilitation
 - Re-development
 - New buildings
 - Existing open space to improve
 - New open spaces
 - Urban sport's facilities, gardens, open markets, others.
 - Street's system to improve
- ① Mirador Purcell's area
Public Housing, new entrance to Cerro and open spaces
 - ② Cerro Cordillera Museo del Mar research area.
Housings, workshops, exhibitions, public spaces
 - ③ Calle Castillo's area
New public square
 - ④ Cerro Cordillera's new local public district
Services, public housing, open spaces
 - ⑤ San Agustín's cable car area
Tourism facilities and new public park
 - ⑥ Calle Tomas Ramos's area
Services, commerce, housing
- Relationships network project



January - February 2008

"Mar Vasto" - Manejo de riesgos en Valparaíso
Cerro Cordillera's pilot project



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HACE UN LUGAR

17_Mirador Purcell area

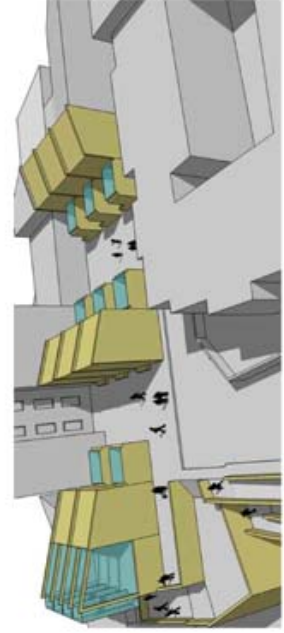
- ① New social housing area
- ② New entrance and Mirador for the Cerro Cordillera
- ③ New building for tourist facilities or public function



Aerial view of the project area



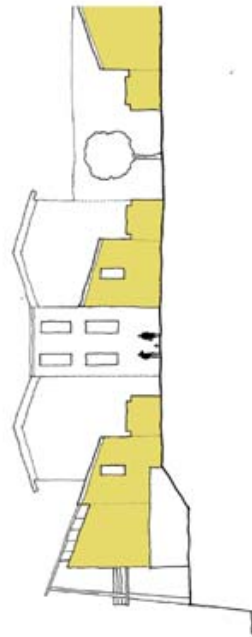
The new entrance to Cerro Cordillera through the Mirador Purcell



The public housing and the related open spaces



General layout



The public housing and the related open spaces - Elevation

January - February 2008

"Mar Vasto" - Manejo de riesgos en Valparaíso
 Centro Cordiera's pilot project



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18_Lord Cochrane Museum area

- ① New entrance for "Lord Cochrane" Museum and possible tourist facilities
- ② New public elevator
- ③ New entrance from Eleuterio Ramirez square for the new housing and research area
- ④ Housing and research area
- ⑤ New "Lord Cochrane" Museum addition



Aerial view of the project area



The new entrance for the Lord Cochrane Museum and the public elevator



The new entrance from Eleuterio Ramirez public square to the new research centre



General layout



Aerial view of the project area

January - February 2008



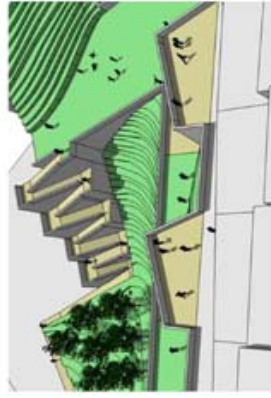
"Mar Vasto" - Manejo de riesgos en Valparaíso
 Cerro Cordillera's pilot project



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19_San Agustín elevator area

- ① Entrance from the Cerro to the new public park
- ② Entrance from calle Ramon Tomas
- ③ New mirador and public space system
- ④ New public square
- ⑤ Redevelopment area. New building for tourism facilities



General layout



Aerial view of the project area

January - February 2008

Appendix 6
Example of a building information form

Arch. Style	Local-high
Typology	Block building
Num. of floors	3
Occupancy	Lived
Function - GF	Neighbourhood's commerce
Function - US	Residence
Functional characteristic	Multifunctional

Manzana	2025
Roles	2025-8
Roles	
Roles	
Property	Private
Landmark	In

Recent transformation	
Undergoing transformation	
Overall architectural quality	Medium
General condition	Ordinary

Roof gen. condition	Ordinary
Structure gen. condition	Ordinary
Stilt house	No
Stilt house (structure)	
Stilt house (condition)	

Level of integration	Strong identity
Intervention categories	Ordinary maintenance

Level of interest	High
Vulnerability (%)	65



Appendix 7
Building information forms for the Cerro Cordillera stock

Arch. Style Local-highTypology Block buildingNum. of floors 3Occupancy LivedFunction - GF Neibrough's commerceFunction - US ResidenceFunctional characteristic MultifunctionalRecent transformationUndergoing transformationOverall architectural quality MediumGeneral condition OrdinaryLevel of integration Strong identityIntervention categories Ordinary maintenanceManzana 2025Roles 2025-8RolesRolesProperty PrivateLandmark InRoof gen. condition OrdinaryStructure gen. condition OrdinaryStilt house NoStilt house (structure)Stilt house (condition)Level of interest HighVulnerability (%) 66

<u>Arch. Style</u>	<u>Local-high</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>3</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>High</u>
<u>General condition</u>	<u>Bad</u>

<u>Level of integration</u>	<u>Strong identity</u>
<u>Intervention categories</u>	<u>Restoration</u>



<u>Manzana</u>	<u>2025</u>
<u>Roles</u>	<u>2025-7</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Bad</u>
<u>Stilt house</u>	<u>No</u>
<u>Stilt house (structure)</u>	
<u>Stilt house (condition)</u>	

<u>Level of interest</u>	<u>High</u>
<u>Vulnerability (%)</u>	



Arch. Style Local-highTypology Block buildingNum. of floors 3Occupancy LivedFunction - GF ResidenceFunction - US ResidenceFunctional characteristic ResidentialRecent transformationUndergoing transformationOverall architectural quality MediumGeneral condition OrdinaryLevel of integration Strong identityIntervention categories RestorationManzana 2025Roles 2025-6RolesRolesProperty PrivateLandmark OutRoof gen. condition OrdinaryStructure gen. condition OrdinaryStilt house NoStilt house (structure)Stilt house (condition)Level of interest MediumVulnerability (%)

Arch. Style Local-highTypology Block buildingNum. of floors 2Occupancy LivedFunction - GF ResidenceFunction - US ResidenceFunctional characteristic ResidentialRecent transformationUndergoing transformationOverall architectural quality MediumGeneral condition BadLevel of integration Strong identityIntervention categories RehabilitationManzana 2025Roles 2025-1RolesRolesProperty PrivateLandmarkRoof gen. condition BadStructure gen. condition BadStilt house NoStilt house (structure)Stilt house (condition)Level of interest HighVulnerability (%) 41

Arch. Style Local-high

Typology Block building

Num. of floors 3

Occupancy Partially lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of integration Strong identity

Intervention categories Restoration

Manzana 2025

Roles 2025-2

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest High

Vulnerability (%) 40



Arch. Style Local

Typology Block building

Num. of floors 3

Occupancy Partially lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of integration Strong identity

Intervention categories Restoration

Manzana 2025

Roles 2025-3

Roles 2025-4

Roles

Property Private

Landmark

Roof gen. condition Bad

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%)



Arch. Style Local

Typology Block building

Num. of floors 2

Occupancy Not lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Medium

General condition Good

Level of Integration Strong identity

Intervention categories Ordinary maintenance

Manzana 2025

Roles 2025-7

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of Interest Medium

Vulnerability (%)



Arch. Style Local-high

Typology Block building

Num. of floors 3

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality High

General condition Ordinary

Level of integration Strong identity

Intervention categories Ordinary maintenance

Manzana 2025

Roles 2025-9

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest High

Vulnerability (%) 55



Arch. Style Local

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of Integration Strong identity

Intervention categories Ordinary maintenance



Manzana 2011

Roles 2011-10

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style Local

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation Rehabilitation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of Integration Strong identity

Intervention categories Restoration

Manzana 2011

Roles 2011-11

Roles

Roles

Property Private

Landmark

Roof gen. condition Good

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest High

Vulnerability (%)



Arch. Style Local

Typology Block building

Num. of floors 2

Occupancy Partially lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Bad

Level of integration Strong identity

Intervention categories Rehabilitation

Manzana 2011

Roles 201-9

Roles

Roles

Property Private

Landmark

Roof gen. condition Bad

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of interest High

Vulnerability (%)



Arch. Style	Other
Typology	Block building
Num. of floors	1
Occupancy	Lived
Function - GF	Residence
Function - US	
Functional characteristic	Residential
Recent transformation	
Undergoing transformation	
Overall architectural quality	Low
General condition	Bad
Level of integration	Strong identity
Intervention categories	Re-development

Manzana	2011
Roles	2011-8
Roles	
Roles	
Property	Private
Landmark	
Roof gen. condition	Bad
Structure gen. condition	Bad
Still house	No
Still house (structure)	
Still house (condition)	
Level of interest	Low
Vulnerability (%)	



Arch. Style Other

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Low

General condition Good

Level of Integration Strong identity

Intervention categories Ordinary maintenance

Manzana 2011

Roles 2011-7

Roles

Roles

Property Private

Landmark

Roof gen. condition Good

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style	Other
Typology	Block building
Num. of floors	2
Occupancy	Lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Manzana	2011
Roles	2011-6
Roles	
Roles	
Property	Private
Landmark	

Recent transformation	Rehabilitation
Undergoing transformation	
Overall architectural quality	Low
General condition	Ordinary

Roof gen. condition	Bad
Structure gen. condition	Ordinary
Still house	No
Still house (structure)	
Still house (condition)	

Level of integration	Strong identity
Intervention categories	Re-development

Level of interest	Low
Vulnerability (%)	



<u>Arch. Style</u>	<u>Local-high</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>3</u>
<u>Occupancy</u>	<u>Partially lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>
<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>High</u>
<u>General condition</u>	<u>Bad</u>
<u>Level of integration</u>	<u>Strong identity</u>
<u>Intervention categories</u>	<u>Rehabilitation</u>

<u>Manzana</u>	<u>2011</u>
<u>Roles</u>	<u>2011-5</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	<u>Out</u>
<u>Roof gen. condition</u>	<u>Bad</u>
<u>Structure gen. condition</u>	<u>Bad</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	
<u>Level of interest</u>	<u>High</u>
<u>Vulnerability (%)</u>	<u>48</u>



Arch. Style Local

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of Integration Strong identity

Intervention categories Ordinary maintenance

Manzana 2011

Roles 2011-11

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of Interest High

Vulnerability (%) 49



Arch. Style Other

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Other

Function - US

Functional characteristic Specialist

Recent transformation New building

Undergoing transformation

Overall architectural quality Low

General condition Good

Level of Integration Contrast

Intervention categories Re-development

Manzana 2011

Roles 2011-6

Roles

Roles

Property Private

Landmark

Roof gen. condition Good

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



<u>Arch. Style</u>	<u>Rationalism</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>2024</u>
<u>Roles</u>	<u>2024-2</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	<u>Renovation</u>
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Low</u>
<u>General condition</u>	<u>Ordinary</u>

<u>Roof gen. condition</u>	<u>Good</u>
<u>Structure gen. condition</u>	<u>Good</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of integration</u>	<u>Good integration</u>
<u>Intervention categories</u>	<u>Ordinary maintenance</u>

<u>Level of interest</u>	<u>Low</u>
<u>Vulnerability (%)</u>	



Arch. Style Rationalism

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of integration Good integration

Intervention categories Restoration

Manzana 2024

Roles 2024-3

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%)



Arch. Style Rationalism

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Good

Level of integration Good integration

Intervention categories Restoration

Manzana 2024

Roles 2024-4

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%)



Arch. Style Local

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation Rehabilitation

Undergoing transformation

Overall architectural quality Medium

General condition Good

Level of integration Good integration

Intervention categories Ordinary maintenance

Manzana 2024

Roles 2024-10

Roles

Roles

Property Private

Landmark In

Roof gen. condition Good

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%)



<u>Arch. Style</u>	<u>Local-high</u>
<u>Typology</u>	<u>Row house</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>2024</u>
<u>Roles</u>	<u>2024-9</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	<u>In</u>

<u>Recent transformation</u>	<u>Renovation</u>
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Good</u>

<u>Roof gen. condition</u>	<u>Good</u>
<u>Structure gen. condition</u>	<u>Good</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of integration</u>	<u>Strong identity</u>
<u>Intervention categories</u>	<u>Ordinary maintenance</u>

<u>Level of interest</u>	<u>Medium</u>
<u>Vulnerability (%)</u>	<u>56</u>



Arch. Style Rationalism

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of integration Good integration

Intervention categories Ordinary maintenance

Manzana 2024

Roles 2024-1

Roles 2024-5

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Low

Vulnerability (%)



Arch. Style	Rationalism	Manzana	2024
Typology	Block building	Roles	2024-6
Num. of floors	2	Roles	2024-7
Occupancy	Lived	Roles	
Function - GF	Residence	Property	Private
Function - US	Residence	Landmark	
Functional characteristic	Residential	Roof gen. condition	Ordinary
Recent transformation	Renovation	Structure gen. condition	Ordinary
Undergoing transformation		Still house	No
Overall architectural quality	Medium	Still house (structure)	
General condition	Ordinary	Still house (condition)	
Level of integration	Good integration	Level of interest	Low
Intervention categories	Ordinary maintenance	Vulnerability (%)	



Arch. Style	Local
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Typology	Block building
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Num. of floors	2
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Occupancy	Lived
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Function - GF	Residence
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Function - US	Residence
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Functional characteristic	Residential
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Recent transformation	Renovation
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Undergoing transformation	
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Overall architectural quality	Medium
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General condition	Good
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Level of integration	Strong identity
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Intervention categories	Ordinary maintenance
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Manzana	2024
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Roles	2024-8
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Roles	
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Roles	
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Property	Private
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Landmark	In
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Roof gen. condition	Ordinary
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Structure gen. condition	Good
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Still house	No
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Still house (structure)	
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Still house (condition)	
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Level of interest	Medium
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Vulnerability (%)	57
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Arch. Style Local

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of Integration Contrast

Intervention categories Re-development

Manzana 2011

Roles 2011-12

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style Local

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of Integration Contrast

Intervention categories Re-development

Manzana 2011

Roles 2011-12

Roles

Roles

Property Private

Landmark Out

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style Local

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of Integration Contrast

Intervention categories Re-development

Manzana 2011

Roles 2011-12

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style Local-high

Typology Block building

Num. of floors 3

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality High

General condition Bad

Level of Integration Strong identity

Intervention categories Rehabilitation

Manzana 2011

Roles 2011-12

Roles

Roles

Property Private

Landmark Out

Roof gen. condition Ordinary

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of Interest High

Vulnerability (%)



Arch. Style Other

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of Integration Contrast

Intervention categories Re-development

Manzana 2011

Roles 2011-13

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style Other

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of Integration Contrast

Intervention categories Re-development

Manzana 2011

Roles 2011-13

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style	Local-high
Typology	Block building
Num. of floors	2
Occupancy	Lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Manzana	2011
Roles	2011-14
Roles	
Roles	
Property	Private
Landmark	

Recent transformation	Renovation
Undergoing transformation	
Overall architectural quality	High
General condition	Good

Roof gen. condition	Ordinary
Structure gen. condition	Ordinary
Still house	No
Still house (structure)	
Still house (condition)	

Level of integration	Strong identity
Intervention categories	Restoration

Level of interest	High
Vulnerability (%)	54



Arch. Style	Local-high
Typology	Block building
Num. of floors	3
Occupancy	Lived
Function - GF	Neighbourhood's commerce
Function - US	Residence
Functional characteristic	Multifunctional

Manzana	2011
Roles	2011-15
Roles	
Roles	
Property	Private
Landmark	Out

Recent transformation	Renovation
Undergoing transformation	
Overall architectural quality	Medium
General condition	Good

Roof gen. condition	Ordinary
Structure gen. condition	Ordinary
Still house	No
Still house (structure)	
Still house (condition)	

Level of Integration	Strong identity
Intervention categories	Restoration

Level of Interest	Medium
Vulnerability (%)	44



<u>Arch. Style</u>	<u>Neo-classic</u>
<u>Typology</u>	<u>Row house</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>2011</u>
<u>Roles</u>	<u>2011-28</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	<u>Rehabilitation</u>
<u>Undergoing transformation</u>	<u>Rehabilitation</u>
<u>Overall architectural quality</u>	<u>High</u>
<u>General condition</u>	<u>Good</u>

<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Good</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of Integration</u>	<u>Strong identity</u>
<u>Intervention categories</u>	<u>Ordinary maintenance</u>

<u>Level of Interest</u>	<u>High</u>
<u>Vulnerability (%)</u>	<u>28</u>



Arch. Style	Other
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Typology	Row house
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Num. of floors	2
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Occupancy	Lived
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Function - GF	Residence
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Function - US	Residence
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Functional characteristic	Residential
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Recent transformation	
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Undergoing transformation	
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Overall architectural quality	Low
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General condition	Ordinary
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Level of integration	Good integration
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Intervention categories	Ordinary maintenance
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Manzana	2011
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Roles	2011-16
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Roles	
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Roles	
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Property	Private
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Landmark	
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Roof gen. condition	Ordinary
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Structure gen. condition	Ordinary
--------------------------	----------

Still house	No
-------------	----

Still house (structure)	
-------------------------	--

Still house (condition)	
-------------------------	--

Level of interest	Low
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Vulnerability (%)	12
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Arch. Style Local

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of integration Strong identity

Intervention categories Restoration

Manzana 2011

Roles 2011-17

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%) 60



Arch. Style Local-high

Typology Row house

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation Rehabilitation

Undergoing transformation

Overall architectural quality Medium

General condition Good

Level of Integration Strong identity

Intervention categories Ordinary maintenance

Manzana 2011

Roles 2011-18

Roles

Roles

Property Private

Landmark

Roof gen. condition Good

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of Interest Medium

Vulnerability (%) 46



<u>Arch. Style</u>	<u>Local</u>
<u>Typology</u>	<u>Row house</u>
<u>Num. of floors</u>	<u>1</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>2011</u>
<u>Roles</u>	<u>2011-19</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	<u>Rehabilitation</u>
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Good</u>

<u>Roof gen. condition</u>	<u>Good</u>
<u>Structure gen. condition</u>	<u>Good</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of integration</u>	<u>Strong identity</u>
<u>Intervention categories</u>	<u>Restoration</u>

<u>Level of interest</u>	<u>Medium</u>
<u>Vulnerability (%)</u>	<u>42</u>



Arch. Style Local

Typology Block building

Num. of floors 2

Occupancy Partially lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of Integration Strong identity

Intervention categories Rehabilitation



Manzana 0089

Roles 0089-1

Roles

Roles

Property Private

Landmark Out

Roof gen. condition Ordinary

Structure gen. condition Bad

Still house Yes

Still house (structure) Iron frame

Still house (condition) Ordinary

Level of Interest High

Vulnerability (%)



Arch. Style Local

Typology Row house

Num. of floors 1

Occupancy Partially lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of Integration Strong identity

Intervention categories Ordinary maintenance

Manzana 0089

Roles 0089-11

Roles

Roles

Property Private

Landmark Out

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Medium

Vulnerability (%)



Arch. Style Local

Typology Row house

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of integration Strong identity

Intervention categories Ordinary maintenance

Manzana 0089

Roles 0089-11

Roles

Roles

Property Private

Landmark Out

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house Yes

Still house (structure) Wood frame

Still house (condition) Ordinary

Level of interest Medium

Vulnerability (%)



Arch. Style Local

Typology Row house

Num. of floors 1

Occupancy Lived

Function - GF Service

Function - US

Functional characteristic Specialist

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Medium

General condition Good

Level of Integration Outstanding

Intervention categories Restoration

Manzana 0089

Roles 0089-11

Roles

Roles

Property Private

Landmark Out

Roof gen. condition Good

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of Interest High

Vulnerability (%)



Arch. Style Local

Typology Block building

Num. of floors 2

Occupancy Partially lived

Function - GF Neighbour's commerce

Function - US Residence

Functional characteristic Multifunctional

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of Integration Strong identity

Intervention categories Rehabilitation

Manzana 2011

Roles 2011-1

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest High

Vulnerability (%)



Arch. Style Local

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Neighbour's commerce

Function - US Residence

Functional characteristic Multifunctional

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of integration Strong identity

Intervention categories Rehabilitation

Manzana 2011

Roles 2011-2

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest High

Vulnerability (%)



Arch. Style	Other
Typology	Block building
Num. of floors	4
Occupancy	Lived
Function - GF	Neiborough's commerce
Function - US	Residence
Functional characteristic	Multifunctional

Recent transformation	New building
Undergoing transformation	
Overall architectural quality	Low
General condition	Ordinary

Level of integration Contrast

Intervention categories Re-development

Manzana	2011
Roles	2011-3
Roles	
Roles	
Property	Private
Landmark	

Roof gen. condition	Ordinary
Structure gen. condition	Ordinary
Still house	No
Still house (structure)	
Still house (condition)	

Level of interest Low

Vulnerability (%)



Arch. Style Local-high

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Nelborough's commerce

Function - US Residence

Functional characteristic Multifunctional

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Bad

Level of Integration Strong Identity

Intervention categories Rehabilitation

Manzana

Roles

Roles

Roles

Property Private

Landmark In

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest High

Vulnerability (%) 58



<u>Arch. Style</u>	<u>Other</u>
<u>Typology</u>	<u>Row house</u>
<u>Num. of floors</u>	<u>1</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>
<u>Recent transformation</u>	<u>Renovation</u>
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Low</u>
<u>General condition</u>	<u>Ordinary</u>
<u>Level of Integration</u>	<u>Contrast</u>
<u>Intervention categories</u>	<u>Re-development</u>

<u>Manzana</u>	
<u>Roles</u>	
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	
<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Good</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	
<u>Level of Interest</u>	<u>Low</u>
<u>Vulnerability (%)</u>	<u>13</u>



Arch. Style	Other
Typology	Row house
Num. of floors	3
Occupancy	Partially lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Manzana	
Roles	
Roles	
Roles	
Property	Private
Landmark	

Recent transformation	New building
Undergoing transformation	
Overall architectural quality	Low
General condition	Ordinary

Roof gen. condition	Good
Structure gen. condition	Ordinary
Still house	No
Still house (structure)	
Still house (condition)	

Level of integration	Contrast
Intervention categories	Re-development

Level of interest	Low
Vulnerability (%)	12



Arch. Style	Other
Typology	Row house
Num. of floors	2
Occupancy	Lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Manzana	
Roles	
Roles	
Roles	
Property	Private
Landmark	

Recent transformation	New building
Undergoing transformation	
Overall architectural quality	Low
General condition	Ordinary

Roof gen. condition	Ordinary
Structure gen. condition	Ordinary
Still house	No
Still house (structure)	
Still house (condition)	

Level of integration	Contrast
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Level of interest	Low
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Intervention categories	Re-development
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Vulnerability (%)	
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<u>Arch. Style</u>	<u>Local</u>
<u>Typology</u>	<u>Row house</u>
<u>Num. of floors</u>	<u>1</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	
<u>Functional characteristic</u>	<u>Residential</u>
<u>Recent transformation</u>	<u>Renovation</u>
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Good</u>
<u>Level of Integration</u>	<u>Good Integration</u>
<u>Intervention categories</u>	<u>Ordinary maintenance</u>

<u>Manzana</u>	
<u>Roles</u>	
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	
<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Good</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	
<u>Level of Interest</u>	<u>Medium</u>
<u>Vulnerability (%)</u>	



Arch. Style Local

Typology Row house

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of integration Good integration

Intervention categories Ordinary maintenance

Manzana

Roles

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%)



Arch. Style	
Typology	Row house
Num. of floors	1
Occupancy	Lived
Function - GF	Residence
Function - US	
Functional characteristic	Residential
Recent transformation	Renovation
Undergoing transformation	
Overall architectural quality	Medium
General condition	Ordinary
Level of Integration	Good Integration
Intervention categories	Ordinary maintenance

Manzana	
Roles	
Roles	
Roles	
Property	Private
Landmark	
Roof gen. condition	Ordinary
Structure gen. condition	Bad
Still house	No
Still house (structure)	
Still house (condition)	
Level of Interest	Medium
Vulnerability (%)	



Arch. Style Local

Typology Row house

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US _____

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation Renovation

Overall architectural quality Low

General condition Good

Level of integration Good integration

Intervention categories Ordinary maintenance

Manzana _____

Roles _____

Roles _____

Roles _____

Property Private

Landmark _____

Roof gen. condition Ordinary

Structure gen. condition Good

Still house No

Still house (structure) _____

Still house (condition) _____

Level of interest Low

Vulnerability (%) _____



Arch. Style Local

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Bad

Level of Integration Good integration

Intervention categories Rehabilitation

Manzana

Roles

Roles

Roles

Property Private

Landmark

Roof gen. condition Bad

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style Local

Typology Row house

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of Integration Good integration

Intervention categories Rehabilitation

Manzana

Roles

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%) 28



Arch. Style Local

Typology Row house

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of integration Good integration

Intervention categories Rehabilitation

Manzana

Roles

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Low

Vulnerability (%) 28



Arch. Style	Other
Typology	Row house
Num. of floors	1
Occupancy	Lived
Function - GF	Neilborough's commerce
Function - US	
Functional characteristic	Specialist

Recent transformation	
Undergoing transformation	
Overall architectural quality	Low
General condition	Bad

Level of Integration	Contrast
Intervention categories	Re-development

Manzana	
Roles	
Roles	
Roles	
Property	Private
Landmark	

Roof gen. condition	Bad
Structure gen. condition	Bad
Still house	No
Still house (structure)	
Still house (condition)	

Level of Interest	Low
Vulnerability (%)	



Arch. Style	Local-high
Typology	Block building
Num. of floors	3
Occupancy	Lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Manzana	
Roles	
Roles	
Roles	
Property	Private
Landmark	

Recent transformation	Renovation
Undergoing transformation	
Overall architectural quality	Medium
General condition	Good

Roof gen. condition	Ordinary
Structure gen. condition	Good
Still house	No
Still house (structure)	
Still house (condition)	

Level of Integration	Strong identity
Intervention categories	Restoration

Level of Interest	High
Vulnerability (%)	53



Arch. Style	Local
Typology	Row house
Num. of floors	3
Occupancy	Lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential
Recent transformation	Renovation
Undergoing transformation	
Overall architectural quality	Low
General condition	Ordinary
Level of Integration	Good integration
Intervention categories	Rehabilitation

Manzana	
Roles	
Roles	
Roles	
Property	Private
Landmark	
Roof gen. condition	Ordinary
Structure gen. condition	Ordinary
Still house	No
Still house (structure)	
Still house (condition)	
Level of Interest	Low
Vulnerability (%)	43



Arch. Style	Local-high
Typology	Block building
Num. of floors	2
Occupancy	Lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Manzana	
Roles	
Roles	
Roles	
Property	Private
Landmark	

Recent transformation	Renovation
Undergoing transformation	
Overall architectural quality	Medium
General condition	Ordinary

Roof gen. condition	Ordinary
Structure gen. condition	Ordinary
Still house	No
Still house (structure)	
Still house (condition)	

Level of integration	Strong identity
Intervention categories	Restoration

Level of interest	Medium
Vulnerability (%)	64



Arch. Style Local-high

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality High

General condition Good

Level of integration Strong identity

Intervention categories Ordinary maintenance

Manzana

Roles

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of interest High

Vulnerability (%)



<u>Arch. Style</u>	<u>Local</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	
<u>Roles</u>	
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	<u>Out</u>

<u>Recent transformation</u>	<u>Renovation</u>
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Low</u>
<u>General condition</u>	<u>Ordinary</u>

<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Ordinary</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of integration</u>	<u>Good integration</u>
<u>Intervention categories</u>	<u>Re-development</u>

<u>Level of interest</u>	<u>Low</u>
<u>Vulnerability (%)</u>	<u>44</u>



Arch. Style Local-high

Typology Row house

Num. of floors 2

Occupancy Partially lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Bad

Level of integration Strong identity

Intervention categories Rehabilitation

Manzana

Roles

Roles

Roles

Property Private

Landmark Out

Roof gen. condition Bad

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of interest High

Vulnerability (%) 70



Arch. Style	Local
Typology	Row house
Num. of floors	3
Occupancy	Lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Manzana	
Roles	
Roles	
Roles	
Property	Private
Landmark	Out

Recent transformation	Renovation
Undergoing transformation	
Overall architectural quality	Low
General condition	Ordinary

Roof gen. condition	Ordinary
Structure gen. condition	Ordinary
Still house	No
Still house (structure)	
Still house (condition)	

Level of integration	Good integration
Intervention categories	Rehabilitation

Level of interest	Low
Vulnerability (%)	



Arch. Style Other

Typology Row house

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality Low

General condition Good

Level of Integration Contrast

Intervention categories Ordinary maintenance

Manzana

Roles

Roles

Roles

Property Private

Landmark Out

Roof gen. condition Good

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style	Local
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Typology	Row house
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Num. of floors	2
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Occupancy	Lived
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Function - GF	Residence
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Function - US	Residence
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Functional characteristic	Residential
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Recent transformation	Renovation
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Undergoing transformation	
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Overall architectural quality	Low
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General condition	Good
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Level of integration	Good integration
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Intervention categories	Ordinary maintenance
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Manzana	
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Roles	
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Roles	
-------	--

Roles	
-------	--

Property	Private
----------	---------

Landmark	Cut
----------	-----

Roof gen. condition	Good
---------------------	------

Structure gen. condition	Good
--------------------------	------

Still house	No
-------------	----

Still house (structure)	
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Still house (condition)	
-------------------------	--

Level of interest	Low
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Vulnerability (%)	30
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Arch. Style Other

Typology Single standing

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of Integration Contrast

Intervention categories Re-development

Manzana

Roles

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style Local

Typology Row house

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Medium

General condition Good

Level of Integration Good integration

Intervention categories Ordinary maintenance

Manzana

Roles

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of Interest Medium

Vulnerability (%)



Arch. Style Other

Typology Single standing

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of integration Contrast

Intervention categories Rehabilitation

Manzana

Roles

Roles

Roles

Property

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Low

Vulnerability (%)



Arch. Style Other

Typology Single standing

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Manzana

Roles

Roles

Roles

Property Private

Landmark

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Bad

Roof gen. condition Bad

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of integration Good integration

Level of interest Low

Intervention categories Rehabilitation

Vulnerability (%)



Arch. StyleTypologyNum. of floors 0OccupancyFunction - GFFunction - USFunctional characteristicManzanaRolesRolesRolesPropertyLandmarkRecent transformation DemolitionUndergoing transformationOverall architectural qualityGeneral condition RuinRoof gen. conditionStructure gen. conditionStill houseStill house (structure)Still house (condition)Level of integration ContrastIntervention categories Re-developmentLevel of interestVulnerability (%)

Arch. Style	Local
Typology	Block building
Num. of floors	1
Occupancy	Lived
Function - GF	Residence
Function - US	
Functional characteristic	Residential

Manzana	
Roles	
Roles	
Roles	
Property	Private
Landmark	

Recent transformation	
Undergoing transformation	
Overall architectural quality	Low
General condition	Ordinary

Roof gen. condition	Ordinary
Structure gen. condition	Ordinary
Still house	No
Still house (structure)	
Still house (condition)	

Level of integration	Good integration
Intervention categories	Re-development

Level of interest	Low
Vulnerability (%)	



Arch. Style	Other
Typology	Block building
Num. of floors	1
Occupancy	Lived
Function - GF	Residence
Function - US	
Functional characteristic	Residential
Recent transformation	New building
Undergoing transformation	
Overall architectural quality	Low
General condition	Good
Level of integration	Contrast
Intervention categories	Re-development

Manzana	
Roles	
Roles	
Roles	
Property	Private
Landmark	
Roof gen. condition	Good
Structure gen. condition	Good
Still house	No
Still house (structure)	
Still house (condition)	
Level of interest	Low
Vulnerability (%)	



Arch. Style Other

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Other

Function - US

Functional characteristic Specialist

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of Integration Contrast

Intervention categories Re-development



Manzana

Roles

Roles

Roles

Property Private

Landmark

Roof gen. condition Good

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style

Typology

Num. of floors 0

Occupancy

Function - GF

Function - US

Functional characteristic

Recent transformation Demolition

Undergoing transformation

Overall architectural quality

General condition Ruin

Level of Integration Contrast

Intervention categories Re-development

Manzana

Roles

Roles

Roles

Property

Landmark

Roof gen. condition

Structure gen. condition

Still house

Still house (structure)

Still house (condition)

Level of Interest

Vulnerability (%)



Arch. Style

Typology

Num. of floors 0

Occupancy

Function - GF

Function - US

Functional characteristic

Recent transformation Demolition

Undergoing transformation

Overall architectural quality

General condition Ruin

Level of Integration Contrast

Intervention categories Re-development

Manzana

Roles

Roles

Roles

Property

Landmark

Roof gen. condition

Structure gen. condition

Still house

Still house (structure)

Still house (condition)

Level of Interest

Vulnerability (%)



Arch. Style	Local
Typology	Row house
Num. of floors	2
Occupancy	Lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Manzana	2089
Roles	2089-11
Roles	
Roles	
Property	Private
Landmark	

Recent transformation	Renovation
Undergoing transformation	
Overall architectural quality	Medium
General condition	Good

Roof gen. condition	Good
Structure gen. condition	Good
Still house	No
Still house (structure)	
Still house (condition)	

Level of integration	Strong identity
Intervention categories	Restoration

Level of interest	Medium
Vulnerability (%)	29



Arch. Style	Local
Typology	Row house
Num. of floors	2
Occupancy	Not lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Manzana	2089
Roles	2089-10
Roles	
Roles	
Property	Private
Landmark	

Recent transformation	
Undergoing transformation	
Overall architectural quality	Medium
General condition	Bad

Roof gen. condition	Bad
Structure gen. condition	Bad
Still house	No
Still house (structure)	
Still house (condition)	

Level of Integration	Strong identity
Intervention categories	Rehabilitation

Level of Interest	High
Vulnerability (%)	63



<u>Arch. Style</u>	<u>Local</u>
<u>Typology</u>	<u>Row house</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>2089</u>
<u>Roles</u>	<u>2089-9</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	<u>Renovation</u>
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Low</u>
<u>General condition</u>	<u>Good</u>

<u>Roof gen. condition</u>	<u>Good</u>
<u>Structure gen. condition</u>	<u>Good</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of Integration</u>	<u>Good integration</u>
<u>Intervention categories</u>	<u>Ordinary maintenance</u>

<u>Level of Interest</u>	<u>Low</u>
<u>Vulnerability (%)</u>	<u>41</u>



Arch. Style	Neo-classic
Typology	Block building
Num. of floors	2
Occupancy	Lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Manzana	2089
Roles	2089-8
Roles	
Roles	
Property	Private
Landmark	

Recent transformation	
Undergoing transformation	
Overall architectural quality	High
General condition	Ordinary

Roof gen. condition	Good
Structure gen. condition	Ordinary
Still house	No
Still house (structure)	
Still house (condition)	

Level of integration	Strong identity
Intervention categories	Restoration

Level of interest	High
Vulnerability (%)	46



Arch. Style	Other	Manzana	2089
Typology	Row house	Roles	2089-7
Num. of floors	2	Roles	
Occupancy	Lived	Roles	
Function - GF	Neiborough's commerce	Property	Private
Function - US	Residence		
Functional characteristic	Multifunctional	Landmark	
Recent transformation	Rehabilitation	Roof gen. condition	Good
Undergoing transformation		Structure gen. condition	Good
Overall architectural quality	Low	Still house	No
General condition	Good	Still house (structure)	
		Still house (condition)	
Level of Integration	Contrast	Level of Interest	Low
Intervention categories	Rehabilitation	Vulnerability (%)	13



Arch. Style Other

Typology Row house

Num. of floors 1

Occupancy Lived

Function - GF Other

Function - US

Functional characteristic Specialist

Recent transformation New building

Undergoing transformation

Overall architectural quality Low

General condition Good

Level of Integration Contrast

Intervention categories Re-development

Manzana 2089

Roles 2089-6

Roles

Roles

Property Private

Landmark

Roof gen. condition Good

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%) 11



Arch. Style OtherTypology Block buildingNum. of floors 2Occupancy LivedFunction - GF ResidenceFunction - US ResidenceFunctional characteristic ResidentialRecent transformation RenovationUndergoing transformationOverall architectural quality LowGeneral condition OrdinaryLevel of Integration Good IntegrationIntervention categories RehabilitationManzana 2089Roles 2089-5RolesRolesProperty PrivateLandmarkRoof gen. condition OrdinaryStructure gen. condition OrdinaryStill house NoStill house (structure)Still house (condition)Level of Interest LowVulnerability (%) 22

Arch. Style	Local
Typology	Block building
Num. of floors	2
Occupancy	Lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Manzana	2089
Roles	2089-4
Roles	
Roles	
Property	Private
Landmark	

Recent transformation	
Undergoing transformation	
Overall architectural quality	Medium
General condition	Bad

Roof gen. condition	Bad
Structure gen. condition	Bad
Still house	No
Still house (structure)	
Still house (condition)	

Level of Integration Good Integration

Level of Interest Medium

Intervention categories Rehabilitation

Vulnerability (%)



Arch. Style

Manzana 2089

Typology

Roles 2089-3

Num. of floors 0

Roles

Occupancy

Roles

Function - GF

Property

Function - US

Functional characteristic

Landmark

Recent transformation Demolition

Roof gen. condition

Undergoing transformation

Structure gen. condition

Overall architectural quality

Still house

General condition Ruin

Still house (structure)

Still house (condition)

Level of Integration Contrast

Level of Interest

Intervention categories Re-development

Vulnerability (%)

Arch. Style	Local
Typology	Row house
Num. of floors	2
Occupancy	Lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Manzana	2089
Roles	2089-1
Roles	
Roles	
Property	Private
Landmark	

Recent transformation	
Undergoing transformation	
Overall architectural quality	Medium
General condition	Ordinary

Roof gen. condition	Ordinary
Structure gen. condition	Ordinary
Still house	No
Still house (structure)	
Still house (condition)	

Level of Integration	Good integration
Intervention categories	Rehabilitation

Level of Interest	Medium
Vulnerability (%)	



Arch. Style Local-high

Typology Row house

Num. of floors 3

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of integration Good integration

Intervention categories Ordinary maintenance

Manzana 2089

Roles 2089-7

Roles

Roles

Property Private

Landmark

Roof gen. condition Bad

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%)



Arch. Style Local

Typology Row house

Num. of floors 3

Occupancy Partially lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Bad

Level of integration Strong identity

Intervention categories Rehabilitation

Manzana 2089

Roles 2089-8

Roles

Roles

Property Private

Landmark

Roof gen. condition Bad

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%)



Arch. Style Other

Manzana 2089

Typology Row house

Roles 2089-9

Num. of floors 3

Roles

Occupancy Lived

Roles

Function - GF Residence

Property Private

Function - US Residence

Functional characteristic Residential

Landmark

Recent transformation Renovation

Roof gen. condition Ordinary

Undergoing transformation

Structure gen. condition Ordinary

Overall architectural quality Low

Still house No

General condition Ordinary

Still house (structure)

Still house (condition)

Level of integration Good integration

Level of interest Low

Intervention categories Rehabilitation

Vulnerability (%)



<u>Arch. Style</u>	<u>Other</u>
<u>Typology</u>	<u>Row house</u>
<u>Num. of floors</u>	<u>1</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>
<u>Recent transformation</u>	<u>Renovation</u>
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Low</u>
<u>General condition</u>	<u>Ordinary</u>
<u>Level of Integration</u>	<u>Good Integration</u>
<u>Intervention categories</u>	<u>Ordinary maintenance</u>

<u>Manzana</u>	<u>2089</u>
<u>Roles</u>	<u>2089-2</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	
<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Ordinary</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	
<u>Level of Interest</u>	<u>Low</u>
<u>Vulnerability (%)</u>	



Arch. Style Local

Typology Row house

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Bad

Level of integration Contrast

Intervention categories Re-development

Manzana 2089

Roles 2089-10

Roles

Roles

Property Private

Landmark

Roof gen. condition Bad

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style OtherTypology Row houseNum. of floors 1Occupancy Not livedFunction - GF OtherFunction - USFunctional characteristicRecent transformationUndergoing transformationOverall architectural quality LowGeneral condition BadLevel of integration ContrastIntervention categories Re-developmentManzana 2089Roles 2089-10RolesRolesProperty PrivateLandmarkRoof gen. condition BadStructure gen. condition BadStill house NoStill house (structure)Still house (condition)Level of interest LowVulnerability (%)

<u>Arch. Style</u>	
<u>Typology</u>	Block building
<u>Num. of floors</u>	2
<u>Occupancy</u>	Lived
<u>Function - GF</u>	Residence
<u>Function - US</u>	Residence
<u>Functional characteristic</u>	Residential

<u>Manzana</u>	2047
<u>Roles</u>	2047-1
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	Private
<u>Landmark</u>	

<u>Recent transformation</u>	New building
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	Low
<u>General condition</u>	Good

<u>Roof gen. condition</u>	Good
<u>Structure gen. condition</u>	Good
<u>Still house</u>	No
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of Integration</u>	Contrast
<u>Intervention categories</u>	Ordinary maintenance

<u>Level of Interest</u>	Low
<u>Vulnerability (%)</u>	



Arch. Style	<u>Other</u>
Typology	<u>Row house</u>
Num. of floors	<u>1</u>
Occupancy	<u>Not lived</u>
Function - GF	<u>Handicraft</u>
Function - US	
Functional characteristic	<u>Specialist</u>

Recent transformation	
Undergoing transformation	
Overall architectural quality	<u>Low</u>
General condition	<u>Bad</u>

Level of Integration	<u>Contrast</u>
Intervention categories	<u>Demolition</u>

Manzana	<u>2047</u>
Roles	<u>2047-2</u>
Roles	
Roles	
Property	<u>Private</u>

Landmark

Roof gen. condition	<u>Bad</u>
Structure gen. condition	<u>Bad</u>
Still house	<u>No</u>
Still house (structure)	
Still house (condition)	

Level of Interest	<u>Low</u>
Vulnerability (%)	



Arch. Style OtherManzana 2047Typology Row houseRoles 2047-2Num. of floors 1RolesOccupancy Not livedRolesFunction - GF ResidenceProperty PrivateFunction - USFunctional characteristic ResidentialLandmarkRecent transformationRoof gen. condition BadUndergoing transformationStructure gen. condition BadOverall architectural quality LowStill house NoGeneral condition BadStill house (structure)Still house (condition)Level of Integration ContrastLevel of Interest LowIntervention categories DemolitionVulnerability (%)

Arch. Style Other

Typology Row house

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality

General condition Good

Level of Integration Contrast

Intervention categories Ordinary maintenance

Manzana 2047

Roles 2047-2

Roles

Roles

Property Private

Landmark

Roof gen. condition Good

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style Local

Typology Row house

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality Low

General condition Good

Level of Integration Good integration

Intervention categories Ordinary maintenance

Manzana 2047

Roles 2047-2

Roles

Roles

Property Private

Landmark

Roof gen. condition Good

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style Other

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality Low

General condition Good

Level of Integration Good integration

Intervention categories Ordinary maintenance

Manzana 2047

Roles 2047-3

Roles

Roles

Property Private

Landmark

Roof gen. condition Good

Structure gen. condition Good

Still house

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style Other

Typology Single standing

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation New building

Undergoing transformation _____

Overall architectural quality Low

General condition Ordinary

Level of Integration Contrast

Intervention categories Ordinary maintenance

Manzana 2047

Roles 2047-4

Roles _____

Roles _____

Property Private

Landmark _____

Roof gen. condition Good

Structure gen. condition Ordinary

Still house No

Still house (structure) _____

Still house (condition) _____

Level of Interest Low

Vulnerability (%) _____



Arch. Style Other

Typology Row house

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality Low

General condition Good

Level of integration Good integration

Intervention categories Ordinary maintenance

Manzana 2046

Roles 2046-17

Roles

Roles

Property Private

Landmark

Roof gen. condition Good

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of interest Low

Vulnerability (%) 22



<u>Arch. Style</u>	<u>Local</u>
<u>Typology</u>	<u>Row house</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>2046</u>
<u>Roles</u>	<u>2046-17</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	<u>New building</u>
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Good</u>

<u>Roof gen. condition</u>	<u>Good</u>
<u>Structure gen. condition</u>	<u>Good</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of Integration</u>	<u>Good integration</u>
<u>Intervention categories</u>	<u>Ordinary maintenance</u>

<u>Level of Interest</u>	<u>Medium</u>
<u>Vulnerability (%)</u>	<u>20</u>



<u>Arch. Style</u>	Local
<u>Typology</u>	Block building
<u>Num. of floors</u>	2
<u>Occupancy</u>	Lived
<u>Function - GF</u>	Residence
<u>Function - US</u>	Residence
<u>Functional characteristic</u>	Residential

<u>Manzana</u>	2046
<u>Roles</u>	2046-16
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	Private
<u>Landmark</u>	

<u>Recent transformation</u>	Renovation
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	Medium
<u>General condition</u>	Ordinary

<u>Roof gen. condition</u>	Ordinary
<u>Structure gen. condition</u>	Ordinary
<u>Still house</u>	No
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

Level of integration Good integration

Level of interest Medium

Intervention categories Ordinary maintenance

Vulnerability (%) 22



Arch. Style	Local-high
Typology	Row house
Num. of floors	2
Occupancy	Lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Manzana	2046
Roles	2046-15
Roles	
Roles	
Property	Private
Landmark	

Recent transformation	Renovation
Undergoing transformation	
Overall architectural quality	Medium
General condition	Good

Roof gen. condition	Good
Structure gen. condition	Good
Still house	No
Still house (structure)	
Still house (condition)	

Level of Integration	Good integration
Intervention categories	Ordinary maintenance

Level of Interest	Medium
Vulnerability (%)	30



<u>Arch. Style</u>	<u>Local</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>2046</u>
<u>Roles</u>	<u>2046-14</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	<u>Renovation</u>
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Good</u>

<u>Roof gen. condition</u>	<u>Good</u>
<u>Structure gen. condition</u>	<u>Good</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

Level of integration Good integration

Level of interest Medium

Intervention categories Ordinary maintenance

Vulnerability (%) 31



Arch. Style

Manzana 2046

Typology

Roles 2046-13

Num. of floors 0

Roles

Occupancy

Roles

Function - GF

Property

Function - US

Functional characteristic

Landmark

Recent transformation Demolition

Roof gen. condition

Undergoing transformation

Structure gen. condition

Overall architectural quality

Still house

General condition Ruin

Still house (structure)

Still house (condition)

Level of integration Contrast

Level of interest

Intervention categories Re-development

Vulnerability (%)



<u>Arch. Style</u>	<u>Local</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>3</u>
<u>Occupancy</u>	<u>Partially lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>2046</u>
<u>Roles</u>	<u>2046-12</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	<u>Rehabilitation</u>
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Good</u>

<u>Roof gen. condition</u>	<u>Good</u>
<u>Structure gen. condition</u>	<u>Good</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of Integration</u>	<u>Good integration</u>
<u>Intervention categories</u>	<u>Ordinary maintenance</u>

<u>Level of Interest</u>	<u>Medium</u>
<u>Vulnerability (%)</u>	<u>20</u>



Arch. Style Local

Typology Block building

Num. of floors 3

Occupancy Partially lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation Rehabilitation

Undergoing transformation

Overall architectural quality Medium

General condition Good

Level of integration Good integration

Intervention categories Ordinary maintenance

Manzana 2046

Roles 2046-9

Roles

Roles

Property Private

Landmark

Roof gen. condition Good

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%) 18



Arch. Style Other

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of integration Good integration

Intervention categories Rehabilitation

Manzana 2046

Roles 2046-10

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Low

Vulnerability (%) 43



Arch. Style	Local
Typology	Block building
Num. of floors	1
Occupancy	Partially lived
Function - GF	Residence
Function - US	
Functional characteristic	Residential

Manzana	2046
Roles	2046-9
Roles	
Roles	
Property	Private
Landmark	

Recent transformation	
Undergoing transformation	
Overall architectural quality	Low
General condition	Bad

Roof gen. condition	Bad
Structure gen. condition	Bad
Still house	No
Still house (structure)	
Still house (condition)	

Level of integration	Good integration
Intervention categories	Re-development

Level of interest	Low
Vulnerability (%)	51



<u>Arch. Style</u>	Other
<u>Typology</u>	Block building
<u>Num. of floors</u>	1
<u>Occupancy</u>	Lived
<u>Function - GF</u>	Residence
<u>Function - US</u>	
<u>Functional characteristic</u>	Residential

<u>Manzana</u>	2046
<u>Roles</u>	2046-9
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	Private
<u>Landmark</u>	

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	Low
<u>General condition</u>	Ordinary

<u>Roof gen. condition</u>	Bad
<u>Structure gen. condition</u>	Ordinary
<u>Still house</u>	No
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of integration</u>	Good integration
<u>Intervention categories</u>	Re-development

<u>Level of interest</u>	Low
<u>Vulnerability (%)</u>	36



Arch. Style Local-high

Typology Block building

Num. of floors 3

Occupancy Partially lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Bad

Level of integration Strong identity

Intervention categories Rehabilitation

Manzana 2046

Roles 2046-8

Roles

Roles

Property Private

Landmark In

Roof gen. condition Ordinary

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of interest High

Vulnerability (%) 60



<u>Arch. Style</u>	<u>Local-high</u>	<u>Manzana</u>	<u>2046</u>
<u>Typology</u>	<u>Block building</u>	<u>Roles</u>	<u>2046-7</u>
<u>Num. of floors</u>	<u>3</u>	<u>Roles</u>	
<u>Occupancy</u>	<u>Partially lived</u>	<u>Roles</u>	
<u>Function - GF</u>	<u>Residence</u>	<u>Property</u>	<u>Private</u>
<u>Function - US</u>	<u>Residence</u>		
<u>Functional characteristic</u>	<u>Residential</u>	<u>Landmark</u>	<u>In</u>
<u>Recent transformation</u>		<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Undergoing transformation</u>		<u>Structure gen. condition</u>	<u>Bad</u>
<u>Overall architectural quality</u>	<u>Medium</u>	<u>Still house</u>	<u>No</u>
<u>General condition</u>	<u>Bad</u>	<u>Still house (structure)</u>	
		<u>Still house (condition)</u>	
<u>Level of integration</u>	<u>Strong identity</u>	<u>Level of Interest</u>	<u>High</u>
<u>Intervention categories</u>	<u>Rehabilitation</u>	<u>Vulnerability (%)</u>	<u>64</u>



Arch. Style Local

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of Integration Strong identity

Intervention categories Ordinary maintenance

Manzana 2046

Roles 2046-1

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Medium

Vulnerability (%) 63



<u>Arch. Style</u>	<u>Local</u>
<u>Typology</u>	<u>Row house</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>2046</u>
<u>Roles</u>	<u>2046-2</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Low</u>
<u>General condition</u>	<u>Bad</u>

<u>Roof gen. condition</u>	<u>Bad</u>
<u>Structure gen. condition</u>	<u>Bad</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of integration</u>	<u>Good integration</u>
<u>Intervention categories</u>	<u>Rehabilitation</u>

<u>Level of interest</u>	<u>Low</u>
<u>Vulnerability (%)</u>	<u>90</u>



<u>Arch. Style</u>	<u>Local</u>
<u>Typology</u>	<u>Row house</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>2046</u>
<u>Roles</u>	<u>2046-3</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	<u>Renovation</u>
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Ordinary</u>

<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Ordinary</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

Level of integration Good integration

Level of interest Medium

Intervention categories Ordinary maintenance

Vulnerability (%) 63



<u>Arch. Style</u>	<u>Other</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>3</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Low</u>
<u>General condition</u>	<u>Ordinary</u>

Level of integration Contrast

Intervention categories Re-development

Manzana 2046

Roles 2046-4 y 18 al 20

Roles 2046-5 y 21

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Low

Vulnerability (%) 64



<u>Arch. Style</u>	<u>Local-high</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>
<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>High</u>
<u>General condition</u>	<u>Bad</u>
<u>Level of Integration</u>	<u>Strong identity</u>
<u>Intervention categories</u>	<u>Rehabilitation</u>

<u>Manzana</u>	<u>2046</u>
<u>Roles</u>	<u>2046-6</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	<u>In</u>
<u>Roof gen. condition</u>	<u>Bad</u>
<u>Structure gen. condition</u>	<u>Bad</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	
<u>Level of Interest</u>	<u>High</u>
<u>Vulnerability (%)</u>	<u>84</u>



Arch. Style	Neo-classic
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Typology	Block building
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Num. of floors	3
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Occupancy	Lived
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Function - GF	Residence
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Function - US	Residence
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Functional characteristic	Multifunctional
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Recent transformation	
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Undergoing transformation	
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Overall architectural quality	Medium
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General condition	Ordinary
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Level of Integration	Strong identity
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Intervention categories	Restoration
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Manzana	2048
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Roles	2048-6
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Roles	
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Roles	
-------	--

Property	Private
----------	---------

Landmark	In
----------	----

Roof gen. condition	Ordinary
---------------------	----------

Structure gen. condition	Ordinary
--------------------------	----------

Still house	No
-------------	----

Still house (structure)	
-------------------------	--

Still house (condition)	
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Level of Interest	High
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Vulnerability (%)	50
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Arch. Style Rationalism

Typology Block building

Num. of floors 3

Occupancy Partially lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality High

General condition Bad

Level of integration Strong identity

Intervention categories Rehabilitation

Manzana 2048

Roles 2048-5

Roles

Roles

Property Private

Landmark In

Roof gen. condition Bad

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of interest High

Vulnerability (%) 48



Arch. Style	Neo-classic
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Typology	Block building
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Num. of floors	2
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Occupancy	Lived
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Function - GF	Residence
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Function - US	Residence
---------------	-----------

Functional characteristic	Residential
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Recent transformation	Renovation
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Undergoing transformation	
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Overall architectural quality	High
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General condition	Ordinary
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Level of Integration	Strong Identity
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Intervention categories	Restoration
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Manzana	2048
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Roles	2048-4
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Roles	
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Roles	
-------	--

Property	Private
----------	---------

Landmark	In
----------	----

Roof gen. condition	Ordinary
---------------------	----------

Structure gen. condition	Ordinary
--------------------------	----------

Still house	No
-------------	----

Still house (structure)	
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Still house (condition)	
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Level of Interest	High
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Vulnerability (%)	48
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<u>Arch. Style</u>	<u>Eclectic</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>2048</u>
<u>Roles</u>	<u>2048-3</u>
<u>Roles</u>	<u>2048-2</u>
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	<u>In</u>

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>High</u>
<u>General condition</u>	<u>Bad</u>

<u>Roof gen. condition</u>	<u>Bad</u>
<u>Structure gen. condition</u>	<u>Ordinary</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of Integration</u>	<u>Strong identity</u>
<u>Intervention categories</u>	<u>Rehabilitation</u>

<u>Level of Interest</u>	<u>High</u>
<u>Vulnerability (%)</u>	<u>22</u>



Arch. Style Local

Typology Block building

Num. of floors 3

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality High

General condition Ordinary

Level of integration Strong identity

Intervention categories Restoration

Manzana 2048

Roles 2048-1

Roles

Roles

Property Private

Landmark In

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest High

Vulnerability (%) 32



Arch. Style Local-high

Typology Single standing

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of integration Strong identity

Intervention categories Rehabilitation

Manzana 2088

Roles 2088-8

Roles

Roles

Property Private

Landmark In

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%) 65



Arch. Style Local-highTypology Block buildingNum. of floors 2Occupancy LivedFunction - GF ResidenceFunction - US ResidenceFunctional characteristic ResidentialRecent transformationUndergoing transformationOverall architectural quality HighGeneral condition BadLevel of integration Strong identityIntervention categories RehabilitationManzana 2088Roles 2088-1RolesRolesProperty PrivateLandmarkRoof gen. condition OrdinaryStructure gen. condition BadStill house NoStill house (structure)Still house (condition)Level of interest HighVulnerability (%)

Arch. Style LocalTypology Row houseNum. of floors 2Occupancy LivedFunction - GF ResidenceFunction - US ResidenceFunctional characteristic ResidentialRecent transformationUndergoing transformationOverall architectural quality HighGeneral condition BadLevel of integration Good integrationIntervention categories RehabilitationManzana 2088Roles 2088-1RolesRolesProperty PrivateLandmarkRoof gen. condition OrdinaryStructure gen. condition BadStill house NoStill house (structure)Still house (condition)Level of interest MediumVulnerability (%)

Arch. Style Local-high

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of integration Strong identity

Intervention categories Restoration

Manzana 2088

Roles 2088-2

Roles

Roles

Property Private

Landmark In

Roof gen. condition Good

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest High

Vulnerability (%)



Arch. Style Local

Typology Row house

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Bad

Level of integration Good integration

Intervention categories Re-development

Manzana 2088

Roles 2088-3

Roles

Roles

Property Private

Landmark

Roof gen. condition Bad

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of interest Low

Vulnerability (%)



Arch. Style Local-highTypology Block buildingNum. of floors 1Occupancy LivedFunction - GF ResidenceFunction - USFunctional characteristic ResidentialRecent transformation RenovationUndergoing transformationOverall architectural quality HighGeneral condition OrdinaryLevel of Integration Strong IdentityIntervention categories RestorationManzana 2088Roles 2088-3RolesRolesProperty PrivateLandmark OutRoof gen. condition OrdinaryStructure gen. condition OrdinaryStill house NoStill house (structure)Still house (condition)Level of Interest HighVulnerability (%)

Arch. Style	Local
Typology	Block building
Num. of floors	3
Occupancy	Lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Manzana	2088
Roles	2088-4
Roles	
Roles	
Property	Private
Landmark	In

Recent transformation	Renovation
Undergoing transformation	
Overall architectural quality	Medium
General condition	Bad

Roof gen. condition	Ordinary
Structure gen. condition	Bad
Still house	No
Still house (structure)	
Still house (condition)	

Level of integration	Strong identity
Intervention categories	Rehabilitation

Level of interest	Medium
Vulnerability (%)	



Arch. Style	Local
Typology	Block building
Num. of floors	1
Occupancy	Lived
Function - GF	Residence
Function - US	
Functional characteristic	Residential

Manzana	2088
Roles	2088-5
Roles	
Roles	
Property	Private
Landmark	In

Recent transformation	
Undergoing transformation	
Overall architectural quality	Medium
General condition	Bad

Roof gen. condition	Bad
Structure gen. condition	Ordinary
Still house	Yes
Still house (structure)	Wood frame
Still house (condition)	Ordinary

Level of Integration	Strong identity
Intervention categories	Rehabilitation

Level of Interest	Medium
Vulnerability (%)	



Arch. Style Local

Typology Single standing

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of integration Good integration

Intervention categories Re-development

Manzana 2088

Roles 2088-6

Roles

Roles

Property Private

Landmark

Roof gen. condition Bad

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%)



Arch. Style LocalTypology Block buildingNum. of floors 2Occupancy LivedFunction - GF ResidenceFunction - US ResidenceFunctional characteristic ResidentialRecent transformationUndergoing transformationOverall architectural quality MediumGeneral condition BadLevel of Integration Strong identityIntervention categories Re-developmentManzana 2090Roles 2090-2RolesRolesProperty PrivateLandmarkRoof gen. condition BadStructure gen. condition BadStill house NoStill house (structure)Still house (condition)Level of Interest MediumVulnerability (%)

<u>Arch. Style</u>	<u>Local-high</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>2090</u>
<u>Roles</u>	<u>209-1</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Ordinary</u>

<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Ordinary</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of Integration</u>	<u>Strong identity</u>
<u>Intervention categories</u>	<u>Rehabilitation</u>

<u>Level of Interest</u>	<u>Medium</u>
<u>Vulnerability (%)</u>	



Arch. Style Local

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of Integration Good integration

Intervention categories Rehabilitation

Manzana 2090

Roles 2090-2

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style Other

Typology Row house

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of Integration Contrast

Intervention categories Rehabilitation

Manzana 2088

Roles 2088-7

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%) 15



Arch. Style Other

Typology Row house

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of integration Contrast

Intervention categories Rehabilitation

Manzana 2088

Roles 2088-7

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of interest Low

Vulnerability (%) 15



Arch. Style Other

Typology Row house

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of integration Contrast

Intervention categories Rehabilitation

Manzana 2088

Roles 2088-7

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of interest Low

Vulnerability (%) 15



<u>Arch. Style</u>	<u>Other</u>
<u>Typology</u>	<u>Row house</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>2088</u>
<u>Roles</u>	<u>2088-13</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	<u>New bulding</u>
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Low</u>
<u>General condition</u>	<u>Ordinary</u>

<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Strucuture gen. condition</u>	<u>Bad</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of Integration</u>	<u>Contrast</u>
<u>Intervention categories</u>	<u>Rehabilitation</u>

<u>Level of Interest</u>	<u>Low</u>
<u>Vulnerability (%)</u>	<u>15</u>



Arch. Style Other

Typology Row house

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of integration Contrast

Intervention categories Rehabilitation

Manzana 2088

Roles 2088-13

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%) 15



Arch. Style Local-highTypology Block buildingNum. of floors 2Occupancy LivedFunction - GF ResidenceFunction - US ResidenceFunctional characteristic ResidentialRecent transformation RenovationUndergoing transformationOverall architectural quality MediumGeneral condition GoodLevel of integration Strong identityIntervention categories Ordinary maintenanceManzana 2088RolesRolesRolesProperty PrivateLandmarkRoof gen. condition GoodStructure gen. condition GoodStill house NoStill house (structure)Still house (condition)Level of interest MediumVulnerability (%) 48

Arch. Style	Local-high
Typology	Block building
Num. of floors	2
Occupancy	Lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Manzana	2088
Roles	2088-10
Roles	
Roles	
Property	Private
Landmark	

Recent transformation	
Undergoing transformation	
Overall architectural quality	High
General condition	Bad

Roof gen. condition	Bad
Structure gen. condition	Bad
Still house	Yes
Still house (structure)	Wood frame
Still house (condition)	Ordinary

Level of integration	Strong identity
Intervention categories	Rehabilitation

Level of interest	High
Vulnerability (%)	58



Arch. Style Local

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation Rehabilitation

Undergoing transformation

Overall architectural quality Medium

General condition Good

Level of integration Strong identity

Intervention categories Ordinary maintenance

Manzana 2088

Roles 2088-9

Roles

Roles

Property Private

Landmark

Roof gen. condition Good

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%) 39



Arch. Style Local

Typology Single standing

Num. of floors 2

Occupancy Partially lived

Function - GF Service

Function - US Residence

Functional characteristic Multifunctional

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Bad

Level of integration Outstanding

Intervention categories Restoration

Manzana 2091

Roles 2091-12

Roles

Roles

Property Private

Landmark Out

Roof gen. condition Bad

Structure gen. condition Bad

Still house

Still house (structure)

Still house (condition)

Level of interest High

Vulnerability (%) 57



Arch. Style	Local
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Typology	Single standing
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Num. of floors	2
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Occupancy	Lived
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Function - GF	Residence
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Function - US	Residence
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Functional characteristic	Residential
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Recent transformation	
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Undergoing transformation	
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Overall architectural quality	Medium
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General condition	Ordinary
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Level of integration	Good integration
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Intervention categories	Rehabilitation
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Manzana	2091
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Roles	2091-11
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Roles	
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Roles	
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Property	Private
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Landmark	Out
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Roof gen. condition	Ordinary
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Structure gen. condition	Ordinary
--------------------------	----------

Still house	
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Still house (structure)	
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Still house (condition)	
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Level of interest	Medium
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Vulnerability (%)	
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Arch. Style LocalTypology Single standingNum. of floors 1Occupancy LivedFunction - GF ResidenceFunction - USFunctional characteristic ResidentialRecent transformation RenovationUndergoing transformationOverall architectural quality MediumGeneral condition GoodLevel of integration Good integrationIntervention categories RehabilitationManzana 2091Roles 2091-10RolesRolesProperty PrivateLandmark OutRoof gen. condition GoodStructure gen. condition GoodStill house NoStill house (structure)Still house (condition)Level of interest MediumVulnerability (%)

Arch. Style

Manzana 2091

Typology

Roles 2091-9

Num. of floors 0

Roles

Occupancy

Roles

Function - GF

Property

Function - US

Functional characteristic

Landmark Out

Recent transformation Demolition

Roof gen. condition

Undergoing transformation

Structure gen. condition

Overall architectural quality

Still house

General condition Ruin

Still house (structure)

Still house (condition)

Level of integration Contrast

Level of interest

Intervention categories Re-development

Vulnerability (%)



Arch. Style Local-high

Typology Single standing

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of Integration Good integration

Intervention categories Rehabilitation

Manzana 2091

Roles 2091-8

Roles

Roles

Property Private

Landmark Out

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house Yes

Still house (structure) Wood frame

Still house (condition) Ordinary

Level of Interest Medium

Vulnerability (%) 35



Arch. Style Local

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of Integration Good integration

Intervention categories Ordinary maintenance

Manzana 2091

Roles 2091-7

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Medium

Vulnerability (%)



Arch. Style Local

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of Integration Good integration

Intervention categories Rehabilitation

Manzana 2091

Roles 2091-6

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Medium

Vulnerability (%)



Arch. Style Local-highTypology Block buildingNum. of floors 2Occupancy Not livedFunction - GF ResidenceFunction - US ResidenceFunctional characteristic ResidentialRecent transformationUndergoing transformationOverall architectural quality HighGeneral condition BadLevel of Integration Strong identityIntervention categories RehabilitationManzana 2091Roles 2091-5RolesRolesProperty PrivateLandmark OutRoof gen. condition OrdinaryStructure gen. condition BadStill house NoStill house (structure)Still house (condition)Level of Interest HighVulnerability (%) 55

Arch. Style Other

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality Medium

General condition Good

Level of Integration Good integration

Intervention categories Ordinary maintenance

Manzana 2091

Roles 2091-4

Roles

Roles

Property Private

Landmark

Roof gen. condition Good

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of Interest Medium

Vulnerability (%)



Arch. Style Local

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of integration Good integration

Intervention categories Ordinary maintenance

Manzana 2091

Roles 2091-3

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%)



<u>Arch. Style</u>	<u>Art Deco</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>2091</u>
<u>Roles</u>	<u>2091-2</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>High</u>
<u>General condition</u>	<u>Ordinary</u>

<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Ordinary</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of Integration</u>	<u>Strong identity</u>
<u>Intervention categories</u>	<u>Restoration</u>

<u>Level of Interest</u>	<u>High</u>
<u>Vulnerability (%)</u>	<u>38</u>



Arch. Style Local-high

Typology Block building

Num. of floors 3

Occupancy Lived

Function - GF Nelborough's commerce

Function - US Residence

Functional characteristic Multifunctional

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Medium

General condition Bad

Level of Integration Strong identity

Intervention categories Rehabilitation

Manzana 2091

Roles 2091-1

Roles

Roles

Property Private

Landmark

Roof gen. condition Bad

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of Interest Medium

Vulnerability (%) 58



Arch. Style Local

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Neilborough's commerce

Function - US

Functional characteristic Specialist

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of Integration Good Integration

Intervention categories Re-development

Manzana 2091

Roles 2091-1

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%) 41



Arch. Style	Local	Manzana	2091
Typology	Block building	Roles	2091-19
Num. of floors	1	Roles	
Occupancy	Partially lived	Roles	
Function - GF	Residence	Property	Private
Function - US			
Functional characteristic	Residential	Landmark	
Recent transformation		Roof gen. condition	Bad
Undergoing transformation		Structure gen. condition	Ordinary
Overall architectural quality	Low	Still house	No
General condition	Bad	Still house (structure)	
		Still house (condition)	
Level of Integration	Good Integration	Level of Interest	Low
Intervention categories	Re-development	Vulnerability (%)	



<u>Arch. Style</u>	<u>Local</u>
<u>Typology</u>	<u>Single standing</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>2091</u>
<u>Roles</u>	<u>2091-2</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Bad</u>

<u>Roof gen. condition</u>	<u>Bad</u>
<u>Structure gen. condition</u>	<u>Bad</u>
<u>Still house</u>	<u>Yes</u>
<u>Still house (structure)</u>	<u>Wood frame</u>
<u>Still house (condition)</u>	<u>Bad</u>

<u>Level of integration</u>	<u>Strong identity</u>
<u>Intervention categories</u>	<u>Re-development</u>

<u>Level of interest</u>	<u>Medium</u>
<u>Vulnerability (%)</u>	



Arch. Style	Local
Typology	Block building
Num. of floors	1
Occupancy	Lived
Function - GF	Residence
Function - US	
Functional characteristic	Residential
Recent transformation	
Undergoing transformation	
Overall architectural quality	Low
General condition	Ordinary
Level of integration	Good integration
Intervention categories	Re-development

Manzana	0090
Roles	0090-41
Roles	
Roles	
Property	Private
Landmark	
Roof gen. condition	Ordinary
Structure gen. condition	Ordinary
Still house	No
Still house (structure)	
Still house (condition)	
Level of interest	Medium
Vulnerability (%)	



Arch. Style Other

Typology Single standing

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality Medium

General condition Good

Level of integration Good integration

Intervention categories Ordinary maintenance

Manzana 2091

Roles 2091-4

Roles

Roles

Property Private

Landmark

Roof gen. condition Good

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%)



Arch. Style Other

Typology Single standing

Num. of floors 3

Occupancy

Function - GF

Function - US

Functional characteristic

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Ruin

Level of integration Contrast

Intervention categories Demolition

Manzana 2091

Roles 2091-18

Roles

Roles

Property Private

Landmark

Roof gen. condition Bad

Structure gen. condition Good

Still house

Still house (structure)

Still house (condition)

Level of interest Low

Vulnerability (%)



Arch. Style Other

Manzana 2091

Typology Block building

Roles 2091-17

Num. of floors 1

Roles

Occupancy Lived

Roles

Function - GF Residence

Property Private

Function - US

Landmark

Functional characteristic Residential

Recent transformation New building

Roof gen. condition Bad

Undergoing transformation

Structure gen. condition Bad

Overall architectural quality Low

Still house No

General condition Bad

Still house (structure)

Still house (condition)

Level of Integration Contrast

Level of Interest Low

Intervention categories Demolition

Vulnerability (%)



Arch. StyleManzana 0090TypologyRoles 0090-40Num. of floors 0RolesOccupancyRolesFunction - GFPropertyFunction - USFunctional characteristicLandmarkRecent transformation DemolitionRoof gen. conditionUndergoing transformationStructure gen. conditionOverall architectural qualityStill houseGeneral condition RuinStill house (structure)Still house (condition)Level of integration ContrastLevel of interestIntervention categories Re-developmentVulnerability (%)

Arch. Style Local

Typology Single standing

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of integration Good integration

Intervention categories Rehabilitation

Manzana 0090

Roles 0090-39

Roles

Roles

Property Private

Landmark Out

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Low

Vulnerability (%)



Arch. Style

Manzana 0090

Typology

Roles 0090-38

Num. of floors 0

Roles

Occupancy

Roles

Function - GF

Property

Function - US

Functional characteristic

Landmark

Recent transformation Demolition

Roof gen. condition

Undergoing transformation

Structure gen. condition

Overall architectural quality

Still house

General condition Ruin

Still house (structure)

Still house (condition)

Level of integration Contrast

Level of interest

Intervention categories Re-development

Vulnerability (%)

Arch. Style Local

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of Integration Good integration

Intervention categories Rehabilitation

Manzana 0090

Roles 0090-37

Roles

Roles

Property Private

Landmark Out

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



<u>Arch. Style</u>	Local
<u>Typology</u>	Row house
<u>Num. of floors</u>	1
<u>Occupancy</u>	Lived
<u>Function - GF</u>	Residence
<u>Function - US</u>	
<u>Functional characteristic</u>	Residential

<u>Manzana</u>	0090
<u>Roles</u>	0090-35
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	Private
<u>Landmark</u>	Out

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	Low
<u>General condition</u>	Ordinary

<u>Roof gen. condition</u>	Ordinary
<u>Structure gen. condition</u>	Ordinary
<u>Still house</u>	No
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

Level of Integration Good integration

Level of Interest Low

Intervention categories Rehabilitation

Vulnerability (%)



Arch. Style LocalTypology Row houseNum. of floors 1Occupancy LivedFunction - GF ResidenceFunction - USFunctional characteristic ResidentialRecent transformationUndergoing transformationOverall architectural quality LowGeneral condition BadLevel of integration Strong identityIntervention categories RehabilitationManzana 0090Roles 0090-35RolesRolesProperty PrivateLandmark OutRoof gen. condition BadStructure gen. condition BadStill houseStill house (structure)Still house (condition)Level of interest LowVulnerability (%)

<u>Arch. Style</u>	<u>Local-high</u>
<u>Typology</u>	<u>Row house</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Partially lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>2091</u>
<u>Roles</u>	<u>2091-13</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	<u>In</u>

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>High</u>
<u>General condition</u>	<u>Bad</u>

<u>Roof gen. condition</u>	<u>Bad</u>
<u>Structure gen. condition</u>	<u>Bad</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

Level of Integration Strong identity

Level of Interest High

Intervention categories Rehabilitation

Vulnerability (%)



Arch. Style	Local-high
Typology	Row house
Num. of floors	2
Occupancy	Partially lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Manzana	2091
Roles	2091-13
Roles	
Roles	
Property	Private
Landmark	In

Recent transformation	
Undergoing transformation	
Overall architectural quality	High
General condition	Bad

Roof gen. condition	Bad
Structure gen. condition	Bad
Still house	Yes
Still house (structure)	Wood frame
Still house (condition)	Bad

Level of integration	Strong identity
Intervention categories	Rehabilitation

Level of interest	High
Vulnerability (%)	



Arch. Style Local-high

Typology Row house

Num. of floors 2

Occupancy Partially lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality High

General condition Bad

Manzana 2091

Roles 2091-13

Roles

Roles

Property Private

Landmark Out

Roof gen. condition Bad

Structure gen. condition Bad

Still house Yes

Still house (structure) Wood frame

Still house (condition) Bad

Level of Integration Strong identity

Intervention categories Rehabilitation

Level of Interest High

Vulnerability (%)



Arch. Style	Local-high
Typology	Row house
Num. of floors	2
Occupancy	Partially lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Manzana	2091
Roles	2091-13
Roles	
Roles	
Property	Private
Landmark	Out

Recent transformation	
Undergoing transformation	
Overall architectural quality	High
General condition	Bad

Roof gen. condition	Bad
Structure gen. condition	Bad
Still house	Yes
Still house (structure)	Wood frame
Still house (condition)	Bad

Level of Integration	Strong identity
Intervention categories	Rehabilitation

Level of Interest	High
Vulnerability (%)	



Arch. Style Other

Typology Single standing

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of Integration Good integration

Intervention categories Re-development

Manzana 2158

Roles 2158

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style Local-high

Typology Block building

Num. of floors 3

Occupancy Partially lived

Function - GF Neiborough's commerce

Function - US Residence

Functional characteristic Multifunctional

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of Integration Strong identity

Intervention categories Restoration

Manzana 2158

Roles 2158-3

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Medium

Vulnerability (%)



Arch. Style Local-high

Typology Block building

Num. of floors 4

Occupancy Partially lived

Function - GF Nelborough's commerce

Function - US Residence

Functional characteristic Multifunctional

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Bad

Level of Integration Strong identity

Intervention categories Rehabilitation

Manzana 2158

Roles 2158-2

Roles

Roles

Property Private

Landmark

Roof gen. condition Bad

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of Interest Medium

Vulnerability (%)



Arch. Style	Local
Typology	Block building
Num. of floors	3
Occupancy	Partially lived
Function - GF	Neighborhood's commerce
Function - US	Residence
Functional characteristic	Multifunctional

Manzana	2158
Roles	2158-1
Roles	
Roles	
Property	Private
Landmark	

Recent transformation	
Undergoing transformation	
Overall architectural quality	Medium
General condition	Ordinary

Roof gen. condition	Bad
Structure gen. condition	Bad
Still house	No
Still house (structure)	
Still house (condition)	

Level of Integration Strong identity

Level of Interest Medium

Intervention categories Rehabilitation

Vulnerability (%)



<u>Arch. Style</u>	<u>Neo-classic</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>3</u>
<u>Occupancy</u>	<u>Partially lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>2158</u>
<u>Roles</u>	<u>2158-4</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Ordinary</u>

<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Ordinary</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

Level of integration Strong identity

Level of interest Medium

Intervention categories Rehabilitation

Vulnerability (%)



Arch. Style	Local-high
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Typology	Row house
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Num. of floors	5
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Occupancy	Partially lived
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Function - GF	Residence
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Function - US	Residence
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Functional characteristic	Residential
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Recent transformation	
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Undergoing transformation	
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Overall architectural quality	High
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General condition	Bad
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Level of integration	Strong identity
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Intervention categories	Rehabilitation
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Manzana	0090
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Roles	0090-35
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Roles	
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Roles	
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Property	Private
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Landmark	Out
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Roof gen. condition	Bad
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Structure gen. condition	Bad
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Still house	No
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Still house (structure)	
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Still house (condition)	
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Level of interest	Medium
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Vulnerability (%)	
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Arch. Style	Local
Typology	Block building
Num. of floors	1
Occupancy	Not lived
Function - GF	Residence
Function - US	Residence
Functional characteristic	Residential

Recent transformation	
Undergoing transformation	
Overall architectural quality	Medium
General condition	Bad

Level of Integration Good integration

Intervention categories Demolition

Manzana	0090
Roles	0090-35
Roles	
Roles	
Property	Private
Landmark	Out

Roof gen. condition	Bad
Structure gen. condition	Bad
Still house	Yes
Still house (structure)	Red concrete
Still house (condition)	Bad

Level of Interest Medium

Vulnerability (%)



<u>Arch. Style</u>	<u>Local</u>
<u>Typology</u>	<u>Single standing</u>
<u>Num. of floors</u>	<u>3</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>0090</u>
<u>Roles</u>	<u>0090-15</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	<u>Renovation</u>
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Ordinary</u>

<u>Roof gen. condition</u>	<u>Good</u>
<u>Structure gen. condition</u>	<u>Good</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of integration</u>	<u>Good integration</u>
<u>Intervention categories</u>	<u>Ordinary maintenance</u>

<u>Level of interest</u>	<u>Medium</u>
<u>Vulnerability (%)</u>	



<u>Arch. Style</u>	<u>Local</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>0090</u>
<u>Roles</u>	<u>0090-42</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Ordinary</u>

<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Ordinary</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

Level of Integration Good Integration

Level of Interest Medium

Intervention categories Rehabilitation

Vulnerability (%)



Arch. Style Local

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of integration Good integration

Intervention categories Rehabilitation

Manzana 0090

Roles 0090-43

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Low

Vulnerability (%)



<u>Arch. Style</u>	<u>Local-high</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>0090</u>
<u>Roles</u>	<u>0090-5</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Bad</u>

<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Bad</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

Level of integration Strong identity

Level of interest Medium

Intervention categories Restoration

Vulnerability (%)



Arch. Style Local-high

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of integration Good integration

Intervention categories Rehabilitation

Manzana 0090

Roles 0090-4

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%)



Arch. Style

Typology

Num. of floors 0

Occupancy

Function - GF

Function - US

Functional characteristic

Recent transformation

Undergoing transformation

Overall architectural quality

General condition

Level of integration

Intervention categories

Manzana

Roles

Roles

Roles

Property

Landmark

Roof gen. condition

Structure gen. condition

Still house

Still house (structure)

Still house (condition)

Level of interest

Vulnerability (%)

Arch. Style Local-high

Typology Row house

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality High

General condition Bad

Level of integration Strong identity

Intervention categories Rehabilitation

Manzana 0090

Roles 0090-47

Roles 0090-46

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of interest High

Vulnerability (%)



Arch. Style LocalTypology Block buildingNum. of floors 1Occupancy Not livedFunction - GF Nelborough's commerceFunction - USFunctional characteristic SpecialistRecent transformationUndergoing transformationOverall architectural quality LowGeneral condition BadLevel of integration Good integrationIntervention categories Re-developmentManzana 0090Roles 0090-45RolesRolesProperty PrivateLandmarkRoof gen. condition OrdinaryStructure gen. condition BadStill house NoStill house (structure)Still house (condition)Level of interest LowVulnerability (%)

Arch. Style Other

Manzana 0090

Typology Block building

Roles 0090-2

Num. of floors 1

Roles

Occupancy Lived

Roles

Function - GF Residence

Property Private

Function - US

Functional characteristic Residential

Landmark

Recent transformation Renovation

Roof gen. condition Ordinary

Undergoing transformation

Structure gen. condition Ordinary

Overall architectural quality Low

Still house No

General condition Ordinary

Still house (structure)

Still house (condition)

Level of integration Good integration

Level of interest Low

Intervention categories Re-development

Vulnerability (%)



Arch. Style Local-highTypology Row houseNum. of floors 2Occupancy LivedFunction - GF ResidenceFunction - US ResidenceFunctional characteristic ResidentialRecent transformationUndergoing transformationOverall architectural quality MediumGeneral condition OrdinaryLevel of Integration Good integrationIntervention categories RehabilitationManzana 0090Roles 0090-4RolesRolesProperty PrivateLandmarkRoof gen. condition OrdinaryStructure gen. condition OrdinaryStill house NoStill house (structure)Still house (condition)Level of Interest MediumVulnerability (%)

Arch. Style LocalTypology Block buildingNum. of floors 1Occupancy LivedFunction - GF ResidenceFunction - USFunctional characteristic ResidentialRecent transformationUndergoing transformationOverall architectural quality LowGeneral condition BadLevel of integration Good integrationIntervention categories Re-developmentManzana 0090Roles 0090-44RolesRolesProperty PrivateLandmarkRoof gen. condition BadStructure gen. condition OrdinaryStill house NoStill house (structure)Still house (condition)Level of interest LowVulnerability (%)

Arch. Style Local

Typology Single standing

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Bad

Level of integration Good integration

Intervention categories Re-development

Manzana 0090

Roles 0090-14

Roles

Roles

Property Private

Landmark

Roof gen. condition Bad

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of interest Low

Vulnerability (%)



Arch. Style Local

Typology Row house

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of integration Good integration

Intervention categories Rehabilitation

Manzana 0090

Roles 0090-3

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Low

Vulnerability (%)



Arch. Style LocalTypology Block buildingNum. of floors 2Occupancy LivedFunction - GF ResidenceFunction - US ResidenceFunctional characteristic ResidentialRecent transformation New buildingUndergoing transformationOverall architectural quality LowGeneral condition GoodLevel of integration Good integrationIntervention categories Ordinary maintenanceManzana 0090Roles 0090-11RolesRolesProperty PrivateLandmarkRoof gen. condition GoodStructure gen. condition GoodStill house NoStill house (structure)Still house (condition)Level of interest LowVulnerability (%)

Arch. Style Local

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US

Functional characteristic Residential

Recent transformation New building

Undergoing transformation

Overall architectural quality Low

General condition Good

Level of integration Good integration

Intervention categories Ordinary maintenance

Manzana 0090

Roles 0090-11

Roles

Roles

Property Private

Landmark

Roof gen. condition Good

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of Interest Low

Vulnerability (%)



Arch. Style Other

Manzana 0090

Typology Single standing

Roles 0090-9

Num. of floors 6

Roles

Occupancy Lived

Roles

Function - GF Residence

Property Private

Function - US Residence

Functional characteristic Residential

Landmark Out

Recent transformation New building

Roof gen. condition Good

Undergoing transformation

Structure gen. condition Good

Overall architectural quality Low

Still house No

General condition Good

Still house (structure)

Still house (condition)

Level of Integration Contrast

Level of Interest Low

Intervention categories Ordinary maintenance

Vulnerability (%)



<u>Arch. Style</u>	Local
<u>Typology</u>	Block building
<u>Num. of floors</u>	2
<u>Occupancy</u>	Lived
<u>Function - GF</u>	Residence
<u>Function - US</u>	Residence
<u>Functional characteristic</u>	Residential

<u>Manzana</u>	0090
<u>Roles</u>	0090-8
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	Private
<u>Landmark</u>	

<u>Recent transformation</u>	Renovation
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	Medium
<u>General condition</u>	Good

<u>Roof gen. condition</u>	Good
<u>Structure gen. condition</u>	Good
<u>Still house</u>	No
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of Integration</u>	Strong identity
<u>Intervention categories</u>	Rehabilitation

<u>Level of Interest</u>	Medium
<u>Vulnerability (%)</u>	



Arch. Style Neo-classic

Typology Block building

Num. of floors 3

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality High

General condition Bad

Level of integration Strong identity

Intervention categories Rehabilitation

Manzana 0090

Roles 0090-7

Roles

Roles

Property Private

Landmark In

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest High

Vulnerability (%)



Arch. Style LocalTypology Single standingNum. of floors 1Occupancy LivedFunction - GF CultureFunction - USFunctional characteristic SpecialistRecent transformationUndergoing transformationOverall architectural quality HighGeneral condition GoodLevel of integration OutstandingIntervention categories Ordinary maintenanceManzana 0090Roles 0090-6RolesRolesProperty PublicLandmark OutRoof gen. condition GoodStructure gen. condition GoodStill house NoStill house (structure)Still house (condition)Level of interest HighVulnerability (%)

Arch. Style Local

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Town commerce

Function - US Residence

Functional characteristic Multifunctional

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of integration Strong identity

Intervention categories Rehabilitation

Manzana 2049

Roles 2049-1

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%) 71



Arch. Style Local-highTypology Block buildingNum. of floors 2Occupancy LivedFunction - GF ResidenceFunction - US ResidenceFunctional characteristic ResidentialRecent transformationUndergoing transformationOverall architectural quality MediumGeneral condition OrdinaryLevel of integration Strong identityIntervention categories RestorationManzana 2049Roles 2049-2RolesRolesProperty PrivateLandmarkRoof gen. condition OrdinaryStructure gen. condition OrdinaryStill house NoStill house (structure)Still house (condition)Level of interest HighVulnerability (%) 53

Arch. Style Local

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of Integration Strong Identity

Intervention categories Restoration

Manzana 2049

Roles 2049-3

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest High

Vulnerability (%) 70



Arch. StyleManzana 2049TypologyRoles 2049-4Num. of floors 0RolesOccupancyRolesFunction - GFPropertyFunction - USFunctional characteristicLandmarkRecent transformation DemolitionRoof gen. conditionUndergoing transformation DemolitionStructure gen. conditionOverall architectural qualityStill houseGeneral condition RuinStill house (structure)Still house (condition)Level of Integration ContrastLevel of InterestIntervention categories Re-developmentVulnerability (%)

<u>Arch. Style</u>	<u>Local-high</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>3</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>0090</u>
<u>Roles</u>	<u>0090-34</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Ordinary</u>

<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Ordinary</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

Level of Integration Good integration

Level of Interest Medium

Intervention categories Rehabilitation

Vulnerability (%)



Arch. Style Local-high

Typology Row house

Num. of floors 2

Occupancy Not lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Bad

Level of integration Strong identity

Intervention categories Rehabilitation

Manzana 0090

Roles 0090-33

Roles

Roles

Property Private

Landmark

Roof gen. condition Bad

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%)



Arch. Style Local-highTypology Row houseNum. of floors 2Occupancy Not livedFunction - GF ResidenceFunction - US ResidenceFunctional characteristic ResidentialRecent transformationUndergoing transformationOverall architectural quality MediumGeneral condition BadLevel of integration Strong identityIntervention categories RehabilitationManzana 0090Roles 0090-33RolesRolesProperty PrivateLandmarkRoof gen. condition BadStructure gen. condition BadStilt house NoStilt house (structure)Stilt house (condition)Level of interest MediumVulnerability (%)

Arch. Style	Other
Typology	Block building
Num. of floors	1
Occupancy	Lived
Function - GF	Service
Function - US	
Functional characteristic	Specialist
Recent transformation	
Undergoing transformation	
Overall architectural quality	Low
General condition	Ordinary
Level of Integration	Contrast
Intervention categories	Re-development

Manzana	0090
Roles	0090-32
Roles	
Roles	
Property	Private
Landmark	
Roof gen. condition	Ordinary
Structure gen. condition	Ordinary
Still house	No
Still house (structure)	
Still house (condition)	
Level of Interest	Low
Vulnerability (%)	



Arch. Style Eclectic

Typology Block building

Num. of floors 3

Occupancy Lived

Function - GF Service

Function - US Service

Functional characteristic Specialist

Manzana 0090

Roles 0090-31

Roles

Roles

Property Private

Landmark

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of integration Strong identity

Intervention categories Rehabilitation

Level of interest Medium

Vulnerability (%)



Arch. Style	Art nouveau
Typology	Row house
Num. of floors	3
Occupancy	Lived
Function - GF	Handicraft
Function - US	Handicraft
Functional characteristic	Specialist

Manzana	0090
Roles	0090-30
Roles	
Roles	
Property	Private
Landmark	

Recent transformation	
Undergoing transformation	
Overall architectural quality	Medium
General condition	Bad

Roof gen. condition	Ordinary
Structure gen. condition	Bad
Still house	No
Still house (structure)	
Still house (condition)	

Level of integration	Strong identity
Intervention categories	Re-development

Level of interest	Medium
Vulnerability (%)	



<u>Arch. Style</u>	<u>Art nouveau</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>5</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Administration</u>
<u>Function - US</u>	<u>Administration</u>
<u>Functional characteristic</u>	<u>Specialist</u>

<u>Manzana</u>	<u>0090</u>
<u>Roles</u>	<u>0090-29</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Public</u>
<u>Landmark</u>	

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Ordinary</u>

<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Ordinary</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

Level of Integration Strong identity

Level of Interest Medium

Intervention categories Restoration

Vulnerability (%)



<u>Arch. Style</u>	<u>Post-modern</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>5</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Administration</u>
<u>Function - US</u>	<u>Administration</u>
<u>Functional characteristic</u>	<u>Specialist</u>

<u>Manzana</u>	<u>0090</u>
<u>Roles</u>	<u>0090-28</u>
<u>Roles</u>	<u>0090-27</u>
<u>Roles</u>	<u>0090-26</u>
<u>Property</u>	<u>Public</u>
<u>Landmark</u>	

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Low</u>
<u>General condition</u>	<u>Good</u>

<u>Roof gen. condition</u>	
<u>Structure gen. condition</u>	
<u>Still house</u>	
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

Level of integration Contrast

Level of Interest Low

Intervention categories Ordinary maintenance

Vulnerability (%)



Arch. Style Art DecoTypology Block buildingNum. of floors 4Occupancy LivedFunction - GF AdministrationFunction - US AdministrationFunctional characteristic SpecialistRecent transformationUndergoing transformationOverall architectural quality MediumGeneral condition OrdinaryLevel of integration Strong identityIntervention categories RestorationManzana 0090Roles 0090-25RolesRolesProperty PublicLandmarkRoof gen. condition OrdinaryStructure gen. condition OrdinaryStill house NoStill house (structure)Still house (condition)Level of interest MediumVulnerability (%)

<u>Arch. Style</u>	<u>Local</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>4</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Administration</u>
<u>Function - US</u>	<u>Administration</u>
<u>Functional characteristic</u>	<u>Specialist</u>

<u>Manzana</u>	<u>0090</u>
<u>Roles</u>	<u>0090-24</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Public</u>
<u>Landmark</u>	

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Low</u>
<u>General condition</u>	<u>Ordinary</u>

<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Ordinary</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of Integration</u>	<u>Good Integration</u>
<u>Intervention categories</u>	<u>Rehabilitation</u>

<u>Level of Interest</u>	<u>Low</u>
<u>Vulnerability (%)</u>	



<u>Arch. Style</u>	<u>Neo-classic</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Administration</u>
<u>Function - US</u>	<u>Administration</u>
<u>Functional characteristic</u>	<u>Specialist</u>

<u>Manzana</u>	<u>0090</u>
<u>Roles</u>	<u>0090-23</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Public</u>
<u>Landmark</u>	

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Ordinary</u>

<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Ordinary</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of integration</u>	<u>Good integration</u>
<u>Intervention categories</u>	<u>Restoration</u>

<u>Level of interest</u>	<u>Medium</u>
<u>Vulnerability (%)</u>	



Arch. Style Local-high

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of integration Strong identity

Intervention categories Rehabilitation

Manzana 0090

Roles 0090-22

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%)



<u>Arch. Style</u>	<u>Neo-classic</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>3</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	<u>0090</u>
<u>Roles</u>	<u>0090-22</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Ordinary</u>

<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Ordinary</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of Integration</u>	<u>Strong Identity</u>
<u>Intervention categories</u>	<u>Rehabilitation</u>

<u>Level of Interest</u>	<u>Medium</u>
<u>Vulnerability (%)</u>	



Arch. Style Eclectic

Typology Block building

Num. of floors 5

Occupancy Lived

Function - GF Administration

Function - US Administration

Functional characteristic Specialist

Recent transformation Renovation

Undergoing transformation

Overall architectural quality High

General condition Good

Level of integration Outstanding

Intervention categories Ordinary maintenance

Manzana 0090

Roles 0090-21

Roles

Roles

Property Public

Landmark

Roof gen. condition Good

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of interest High

Vulnerability (%)



Arch. Style	Eclectic
Typology	Block building
Num. of floors	5
Occupancy	Lived
Function - GF	Administration
Function - US	Administration
Functional characteristic	Specialist

Recent transformation	Renovation
Undergoing transformation	
Overall architectural quality	High
General condition	Good

Level of integration	Outstanding
Intervention categories	Ordinary maintenance

Manzana	0090
Roles	0090-20
Roles	
Roles	
Property	Public
Landmark	

Roof gen. condition	Good
Structure gen. condition	Good
Still house	No
Still house (structure)	
Still house (condition)	

Level of interest	High
Vulnerability (%)	



Arch. Style Art nouveau

Typology Block building

Num. of floors 4

Occupancy Partially lived

Function - GF Town commerce

Function - US Residence

Functional characteristic Multifunctional

Recent transformation

Undergoing transformation

Overall architectural quality High

General condition Bad

Level of Integration Outstanding

Intervention categories Restoration

Manzana 0090

Roles 0090-19

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Bad

Still house No

Still house (structure)

Still house (condition)

Level of Interest High

Vulnerability (%)



Arch. Style Eclectic

Typology Block building

Num. of floors 4

Occupancy Partially lived

Function - GF Town commerce

Function - US Residence

Functional characteristic Multifunctional

Recent transformation Renovation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of integration Strong identity

Intervention categories Ordinary maintenance

Manzana 0090

Roles 0090-18

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of interest High

Vulnerability (%)



Arch. Style Art nouveau

Typology Block building

Num. of floors 5

Occupancy Partially lived

Function - GF Town commerce

Function - US Residence

Functional characteristic Multifunctional

Recent transformation Renovation

Undergoing transformation

Overall architectural quality High

General condition Good

Level of Integration Strong identity

Intervention categories Ordinary maintenance

Manzana 0090

Roles 0090-17

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of Interest High

Vulnerability (%)



Arch. Style Neo-classic

Typology Block building

Num. of floors 3

Occupancy Partially lived

Function - GF Town commerce

Function - US Residence

Functional characteristic Multifunctional

Recent transformation Renovation

Undergoing transformation

Overall architectural quality High

General condition Good

Level of integration Strong identity

Intervention categories Ordinary maintenance

Manzana 0090

Roles 0090-16 Lote A1

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Good

Still house No

Still house (structure)

Still house (condition)

Level of interest High

Vulnerability (%)



Arch. Style Other

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Town commerce

Function - US

Functional characteristic Specialist

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of integration Contrast

Intervention categories Re-development

Manzana 0089

Roles 0089-10

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Low

Vulnerability (%)



Arch. Style Local

Typology Row house

Num. of floors 2

Occupancy Lived

Function - GF Town commerce

Function - US Residence

Functional characteristic Multifunctional

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of integration Good integration

Intervention categories Rehabilitation

Manzana 0089

Roles 0089-14 al 24

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%)



<u>Arch. Style</u>	<u>Local</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>3</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Town commerce</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Multifunctional</u>

<u>Manzana</u>	<u>0089</u>
<u>Roles</u>	<u>0089-8</u>
<u>Roles</u>	<u>0089-7</u>
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	<u>Renovation</u>
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Good</u>

<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Good</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of Integration</u>	<u>Good integration</u>
<u>Intervention categories</u>	<u>Rehabilitation</u>

<u>Level of Interest</u>	<u>Medium</u>
<u>Vulnerability (%)</u>	



<u>Arch. Style</u>	<u>Rationalism</u>
<u>Typology</u>	<u>Row house</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Not lived</u>
<u>Function - GF</u>	<u>Town commerce</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Multifunctional</u>

<u>Manzana</u>	<u>0089</u>
<u>Roles</u>	<u>0089-6</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Ordinary</u>

<u>Roof gen. condition</u>	<u>Ordinary</u>
<u>Structure gen. condition</u>	<u>Ordinary</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

<u>Level of Integration</u>	<u>Good integration</u>
<u>Intervention categories</u>	<u>Rehabilitation</u>

<u>Level of Interest</u>	<u>Medium</u>
<u>Vulnerability (%)</u>	



Arch. Style

Manzana 0089

Typology

Roles 0089-5

Num. of floors 0

Roles 0089-4

Occupancy

Roles

Function - GF

Property

Function - US

Functional characteristic

Landmark

Recent transformation Demolition

Roof gen. condition

Undergoing transformation

Structure gen. condition

Overall architectural quality

Still house

General condition Ruin

Still house (structure)

Still house (condition)

Level of integration Contrast

Level of interest

Intervention categories Re-development

Vulnerability (%)



Arch. Style LocalTypology Row houseNum. of floors 1Occupancy LivedFunction - GF Town commerceFunction - USFunctional characteristic SpecialistRecent transformationUndergoing transformationOverall architectural quality LowGeneral condition OrdinaryLevel of Integration Good integrationIntervention categories RehabilitationManzana 0089Roles 0089-4RolesRolesProperty PrivateLandmarkRoof gen. condition OrdinaryStructure gen. condition OrdinaryStill house NoStill house (structure)Still house (condition)Level of Interest LowVulnerability (%)

Arch. Style Neo-classic

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Town commerce

Function - US Residence

Functional characteristic Multifunctional

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of integration Good integration

Intervention categories Restoration

Manzana 0089

Roles 0089-3

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Medium

Vulnerability (%)



Arch. Style Local

Typology Block building

Num. of floors 2

Occupancy Lived

Function - GF Town commerce

Function - US Residence

Functional characteristic Multifunctional

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of integration Good integration

Intervention categories Restoration

Manzana 0089

Roles 0089-2

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of interest Low

Vulnerability (%)



<u>Arch. Style</u>	<u>Local</u>
<u>Typology</u>	<u>Single standing</u>
<u>Num. of floors</u>	<u>1</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Service</u>
<u>Function - US</u>	
<u>Functional characteristic</u>	<u>Specialist</u>
<u>Recent transformation</u>	<u>Renovation</u>
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Low</u>
<u>General condition</u>	<u>Good</u>
<u>Level of integration</u>	<u>Good integration</u>
<u>Intervention categories</u>	<u>Rehabilitation</u>

<u>Manzana</u>	<u>0089</u>
<u>Roles</u>	<u>0089-11</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	
<u>Roof gen. condition</u>	<u>Good</u>
<u>Structure gen. condition</u>	<u>Good</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	
<u>Level of interest</u>	<u>Low</u>
<u>Vulnerability (%)</u>	

Arch. Style Other

Typology Block building

Num. of floors 1

Occupancy Lived

Function - GF Town commerce

Function - US

Functional characteristic Specialist

Recent transformation

Undergoing transformation

Overall architectural quality Low

General condition Ordinary

Level of integration Contrast

Intervention categories Re-development

Manzana 0089

Roles 0089-10

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house

Still house (structure)

Still house (condition)

Level of interest Low

Vulnerability (%)

<u>Arch. Style</u>	<u>Local</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>

<u>Manzana</u>	
<u>Roles</u>	
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	

<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Low</u>
<u>General condition</u>	<u>Bad</u>

<u>Roof gen. condition</u>	<u>Bad</u>
<u>Structure gen. condition</u>	<u>Bad</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	

Level of integration Good integration

Level of interest Medium

Intervention categories Rehabilitation

Vulnerability (%)



Arch. Style OtherTypology Single standingNum. of floors 1Occupancy LivedFunction - GF ResidenceFunction - USFunctional characteristic ResidentialRecent transformationUndergoing transformationOverall architectural quality MediumGeneral condition GoodLevel of Integration Good integrationIntervention categoriesManzana 2011Roles 2011-23RolesRolesProperty PrivateLandmarkRoof gen. condition OrdinaryStructure gen. condition OrdinaryStill house NoStill house (structure)Still house (condition)Level of Interest MediumVulnerability (%)

Arch. Style LocalTypology Single standingNum. of floors 2Occupancy LivedFunction - GF ResidenceFunction - US ResidenceFunctional characteristic ResidentialRecent transformationUndergoing transformationOverall architectural quality MediumGeneral condition OrdinaryLevel of integration Good integrationIntervention categoriesManzana 2011Roles 2011-23RolesRolesProperty PrivateLandmarkRoof gen. condition OrdinaryStructure gen. condition OrdinaryStill house NoStill house (structure)Still house (condition)Level of interest MediumVulnerability (%)

Arch. Style LocalTypology Block buildingNum. of floors 2Occupancy LivedFunction - GF ResidenceFunction - US ResidenceFunctional characteristic ResidentialRecent transformationUndergoing transformationOverall architectural quality MediumGeneral condition OrdinaryLevel of Integration Good IntegrationIntervention categoriesManzana 2011Roles 2011-22RolesRolesProperty PrivateLandmarkRoof gen. condition OrdinaryStructure gen. condition OrdinaryStill house NoStill house (structure)Still house (condition)Level of Interest MediumVulnerability (%)

Arch. Style Local

Typology Single standing

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of Integration Good Integration

Intervention categories

Manzana 2011

Roles 2011-29

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Medium

Vulnerability (%)

Arch. Style LocalTypology Row houseNum. of floors 1Occupancy LivedFunction - GF ResidenceFunction - USFunctional characteristic ResidentialRecent transformationUndergoing transformationOverall architectural quality MediumGeneral condition OrdinaryLevel of Integration Good IntegrationIntervention categoriesManzana 2011Roles 2011-27RolesRolesProperty PrivateLandmarkRoof gen. condition OrdinaryStructure gen. condition OrdinaryStill house NoStill house (structure)Still house (condition)Level of Interest MediumVulnerability (%)

Arch. Style Local

Typology Row house

Num. of floors 1

Occupancy Lived

Function - GF Residence

Function - US Residence

Functional characteristic Residential

Recent transformation

Undergoing transformation

Overall architectural quality Medium

General condition Ordinary

Level of Integration Good integration

Intervention categories

Manzana 2011

Roles 2011-26

Roles

Roles

Property Private

Landmark

Roof gen. condition Ordinary

Structure gen. condition Ordinary

Still house No

Still house (structure)

Still house (condition)

Level of Interest Medium

Vulnerability (%)

<u>Arch. Style</u>	<u>Local-high</u>
<u>Typology</u>	<u>Block building</u>
<u>Num. of floors</u>	<u>2</u>
<u>Occupancy</u>	<u>Lived</u>
<u>Function - GF</u>	<u>Residence</u>
<u>Function - US</u>	<u>Residence</u>
<u>Functional characteristic</u>	<u>Residential</u>
<u>Recent transformation</u>	
<u>Undergoing transformation</u>	
<u>Overall architectural quality</u>	<u>Medium</u>
<u>General condition</u>	<u>Bad</u>
<u>Level of integration</u>	<u>Strong identity</u>
<u>Intervention categories</u>	<u>Rehabilitation</u>

<u>Manzana</u>	<u>2011</u>
<u>Roles</u>	<u>2011-24</u>
<u>Roles</u>	
<u>Roles</u>	
<u>Property</u>	<u>Private</u>
<u>Landmark</u>	<u>Out</u>
<u>Roof gen. condition</u>	<u>Bad</u>
<u>Structure gen. condition</u>	<u>Bad</u>
<u>Still house</u>	<u>No</u>
<u>Still house (structure)</u>	
<u>Still house (condition)</u>	
<u>Level of interest</u>	<u>High</u>
<u>Vulnerability (%)</u>	

Arch. Style

Manzana 2011

Typology

Roles 2011-24

Num. of floors 0

Roles

Occupancy

Roles

Function - GF Residence

Property

Function - US

Functional characteristic

Landmark

Recent transformation

Roof gen. condition

Undergoing transformation

Structure gen. condition

Overall architectural quality

Still house

General condition

Still house (structure)

Still house (condition)

Level of integration

Level of interest

Intervention categories Demolition

Vulnerability (%)

Appendix 8
Vulnerability index for the buildings in the Cerro Cordillera stock

BUILDING A1		CLASS	QUAL. INF.
1		C/D	M
2		D	M
3	a) 0,33 b) 0,75 c) 1 d) 3 e) 238 f) 1200 C 0,5 α 0,65	C	M
4	a) 6% b) 1,1 c) Y d) N e) N	D	M
5	a) N b) 4	D	M
6	a) a 14 l 17 0,82 b) b 0 l 17 0,00	A	M
7	a) -15% b) 0% c) 0,00	B	M
8	s 0,2 l 6 30	D	B
9	a) N b) N	B	B
10		B	M
11		C	M



$I_v = 0.65$

BUILDING A4		CLASS	QUAL. INF.
1		C/D	B
2		D	B
3	a) 0,66 b) 0,75 c) 1 d) 3 e) 104 f) 1200 C 0,5 α 0,73	B	B
4	a) 0,04 b) 0,5 c) S d) N e) N	B	M
5	a) N b) 4	D	B
6	a) a 8 0,62 l 13 b) b 0 0,00 l 1	C	B
7	a) <10% b) 0% c) 0,00	A	M
8	s 0,2 20 l 4	B	M
9	a) S b) N	D	M
10		B	M
11		B	M



$I_v = 0.41$

BUILDING A5		CLASS	QUAL. INF.
1		C/D	B
2		C	B
3	a) 0,66 b) 0,75 c) 1 d) 3 e) 104 f) 1200 C 0,5 α 0,73	B	B
4	a) 0,11 b) 1,0 c) S d) N e) N	B	M
5	a) N b) 4	D	B
6	a) a 8 0,62 l 13 b) b 0 0,00 l 1	C	B
7	a) <10% b) 0% c) 0,00	A	M
8	s 0,2 20 l 4	B	M
9	a) S b) N	D	M
10		B	M
11		C/D	M



$I_v = 0.40$

BUILDING A8		CLASS	QUAL. INF.
1		C/D	M
2		C	M
3	a) 0,33 b) 0,75 c) 0,5 d) 3 e) 220,5 f) 2000 C 0,5 α 0,52	D	M
4	a) 7% b) 1,0 c) S d) N e) N	B	M
5	a) N b) 4	D	M
6	a) a 15 0,98 l 15 b) b 0 0,00 l 15	A	M
7	a) -15% b) 0% c) 0,22	C	M
8	s 0,3 20 l 5	C	B
9	a) N b) N	B	B
10		C	M
11		C	M



$I_v = 0.55$

BUILDING B7		CLASS	QUAL. INF.
1		B	M
2		A	M
3	a) 1 b) 0,5 c) 0,5 d) 3 e) 203 f) 2000 C 0,5 α 0,63	C	B
4	a) 7% b) 6,0 c) N d) S e) N	D	B
5	a) N b) 2	D	B
6	a) a 14 1,00 l 14 b) b 0 0,00 l 14	A	M
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,4 15 l 6	A/B	E
9	a) S b) S	C/D	M
10		C	B
11		D	B



$$I_v = 0.48$$

BUILDING B8		CLASS	QUAL. INF.
1		C/D	M
2		C	M
3	a) 0,66 b) 0,75 c) 0,5 d) 2 e) 65 f) 1200 C 0,5 α 0,60	C	M
4	a) 8% b) 1,0 c) S d) N e) N	B	M
5	a) N b) 4	D	M
6	a) a 5 0,39 l 13 b) b 0 0,00 l 13	A	B
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,3 24 l 6	C	B
9	a) N b) N	B	M
10		C	M
11		C	M



$I_v = 0.49$

BUILDING C3		CLASS	QUAL. INF.
1		C/D	M
2		C	M
3	a) 0,33 b) 0,75 c) 0,5 d) 3 e) 235,6 f) 1200 C 0,5 α 0,52	D	M
4	a) 19% b) 2,0 c) S d) N e) N	D	M
5	a) N b) 4	D	M
6	a) a 7 0,29 l 24 b) b 4 0,17 l 24	D	M
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,3 28 l 7	D	B
9	a) N b) N	B	B
10		B	M
11		B	M



$I_v = 0.57$

BUILDING C4		CLASS	QUAL. INF.
1		C	M
2		D	M
3	a) 0,66 b) 1 c) 1 d) 2 e) 170 f) 1200 C 0,5 α 0,79	B	M
4	a) 27% b) 2,0 c) S d) N e) N	C	M
5	a) N b) 4	B	M
6	a) a 5,5 0,23 l 24 b) b 2 0,08 l 24	D	M
7	a) 0% b) 0% c) 0,125	B	M
8	s 0,3 20 l 5,0	C	B
9	a) N b) N	B	B
10		D	M
11		B	M



$I_v = 0.56$

BUILDING D7		CLASS	QUAL. INF.
1		C/D	M
2		D	M
3	a) 0,66 b) 1 c) 0,5 d) 2 e) 340,3 f) 1200 C 1 α 0,79	B	M
4	a) 0% b) 0,0 c) S d) N e) N	A	M
5	a) N b) 4	D	M
6	a) a 17 0,81 l 21 b) b 0 0,00 l 21	A	M
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,2 25 l 5	C	B
9	a) N b) N	B	M
10		C	M
11		C	M



$I_v = 0.54$

BUILDING D8		CLASS	QUAL. INF.
1		C	M
2		C/D	M
3	a) 0,66 b) 0,75 c) 0,5 d) 3 e) 152 f) 1200 C 0,5 α 0,60	C	M
4	a) 20% b) 2,0 c) S d) N e) N	D	M
5	a) N b) 2	C	M
6	a) a 9,5 0,59 l 16 b) b 0 0,00 l 16	C	B
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,3 12 l 3	A	M
9	a) N b) N	B	B
10		B	M
11		B	M



$I_v = 0.44$

BUILDING D9		CLASS	QUAL. INF.
1		A	M
2		A	M
3	a) 0,66 b) 1 c) 0,5 d) 3 e) 147,2 f) 2000 C 0,5 α 0,67	C	M
4	a) 14% b) 1,3 c) S d) N e) N	D	M
5	a) N b) 1	A	M
6	a) a 9,2 0,58 l 16 b) b 0 0,00 l 16	C	M
7	a) -50% b) 0% c) 0,00	D	M
8	s 0,3 16,7 l 5	B	M
9	a) N b) S	A	M
10		C	M
11		A	M



$I_v = 0.28$

BUILDING D10		CLASS	QUAL. INF.
1		A	M
2		A	M
3	a) 1 b) 0,5 c) 1 d) 2 e) 44,77 f) 2000 C 0,5 α 0,75	B	M
4	a) 27% b) 1,0 c) N d) S e) N	C	M
5	a) N b) 1	A	M
6	a) a 3,7 0,31 l 12 b) b 0 0,00 l 12	D	M
7	a) -15% b) 0% c) 0,00	B	M
8	s 0,3 16,7 l 5	B	B
9	a) N b) S	A	M
10		B	M
11		A	M



$I_v = 0.12$

BUILDING D11		CLASS	QUAL. INF.
1		D	M
2		D	M
3	a) 1 b) 0,75 c) 1 d) 2 e) 195,04 f) 1200 C 0,5 α 0,81	B	M
4	a) 3% b) 0,5 c) S d) N e) N	B	M
5	a) N b) 4	D	M
6	a) a 12 0,67 l 18 b) b 0 0,00 l 18	B	M
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,2 25 l 5	C	B
9	a) N b) N	B	B
10		C	M
11		C	M



$I_v = 0.60$

BUILDING D12		CLASS	QUAL. INF.
1		C/D	M
2		D	M
3	a) 1 b) 1 c) 0,5 d) 2 e) 112,8 f) 1200 C 0,5 α 0,75	B	M
4	a) 0% b) 0,0 c) S d) N e) N	A	M
5	a) N b) 4	D	M
6	a) a 9,4 0,78 l 12 b) b 0 0,00 l 12	B	M
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,3 16 l 4	B	B
9	a) N b) N	B	B
10		C	M
11		B	M



$I_v = 0.46$

BUILDING D13		CLASS	QUAL. INF.
1		C	M
2		D	M
3	a) 1 b) 0,5 c) 0,5 d) 1 e) 72,8 f) 1200 C 0,5 α 0,63	C	M
4	a) 0% b) 0,0 c) S d) N e) N	A	M
5	a) N b) 2	C	M
6	a) a 7 0,67 l 10 b) b 0 0,00 l 10	B	M
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,2 15 l 3	A	M
9	a) N b) N	B	M
10		B	M
11		C	M



$I_v = 0.42$

BUILDING E1		CLASS	QUAL. INF.
1		C	M
2		C	M
3	a) 0,66 b) 0,75 c) 0,5 d) 3 e) 140 f) 1200 C 0,5 α 0,60	C	M
4	a) 10% b) 2,5 c) S d) N e) N	D	B
5	a) N b) 4	D	B
6	a) a 7 0,35 l 20 b) b 0 0,00 l 20	D	M
7	a) -10% b) 0% c) 0,33	B	M
8	s 0,2 15 l 11	D	B
9	a) N b) N	B	B
10		C	M
11		B	M



$I_v = 0.58$

BUILDING E2		CLASS	QUAL. INF.
1		C	M
2		A	M
3	a) 1 b) 1 c) 0,5 d) 1 e) 105 f) 2000 C 0,5 α 0,75	B	M
4	a) 14% b) 1,0 c) S d) N e) N	B	M
5	a) N b) 1	A	M
6	a) a 7 0,47 l 15 b) b 0 0,00 l 15	A	M
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,3 28 l 7	D	B
9	a) N b) S	A	M
10		A	M
11		A	M



$I_v = 0.13$

BUILDING E3		CLASS	QUAL. INF.
1		C	M
2		A	M
3	a) 0,66 b) 1 c) 0,5 d) 3 e) 26 f) 2000 C 0,5 α 0,67	C	M
4	a) 13% b) 0,5 c) S d) N e) N	B	M
5	a) N b) 1	A	M
6	a) a 4 0,62 l 6,5 b) b 0 0,00 l 6,5	B	M
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,3 16 l 4	B	M
9	a) N b) S	A	M
10		A	M
11		A	M



$I_v = 0.12$

BUILDING E10		CLASS	QUAL. INF.
1		D	M
2		B	M
3	a) 0,33 b) 0,75 c) 1 d) 2 e) 36 f) 2000 C 0,5 α 0,65	C	M
4	a) 15% b) 0,9 c) S d) N e) N	B	M
5	a) N b) 4	D	M
6	a) a 6 1,00 l 6 b) b 0 0,00 l 6	A	M
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,2 15 l 3	A	M
9	a) N b) N	B	M
10		A	M
11		A	M



$I_v = 0.28$

BUILDING E11		CLASS	QUAL. INF.
1		D	M
2		B	M
3	a) 0,33 b) 0,75 c) 1 d) 2 e) 36 f) 2000 C 0,5 α 0,65	C	M
4	a) 15% b) 0,9 c) S d) N e) N	B	M
5	a) N b) 4	D	M
6	a) a 6 1,00 l 6 b) b 0 0,00 l 6	A	M
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,2 15 l 3	A	M
9	a) N b) N	B	M
10		A	M
11		A	M



$I_v = 0.28$

BUILDING E13		CLASS	QUAL. INF.
1		C	M
2		C	M
3	a) 1 b) 0,25 c) 0,5 d) 3 e) 121 f) 1200 C 0,5 α 0,56	C	M
4	a) 0% b) 0,0 c) S d) N e) N	A	M
5	a) N b) 4	D	M
6	a) a 11 1,00 l 11 b) b 0 0,00 l 11	A	M
7	a) 0% b) 6% c) 0,00	B	M
8	s 0,2 30 l 6	D	M
9	a) N b) N	B	M
10		C	M
11		D	M



$I_v = 0.53$

BUILDING E14		CLASS	QUAL. INF.
1		C	M
2		C	M
3	a) 1 b) 0,25 c) 0,5 d) 3 e) 104 f) 1200 C 0,5 α 0,56	C	M
4	a) 17% b) 1,0 c) S d) N e) N	B	M
5	a) S b) 4	D	M
6	a) a 8 0,62 l 13 b) b 0 0,00 l 13	B	M
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,2 15 l 3	A	M
9	a) N b) N	B	M
10		C	M
11		C	M



$I_v = 0.43$

BUILDING E15		CLASS	QUAL. INF.
1		C	M
2		C	M
3	a) 1 b) 0,5 c) 0,5 d) 3 e) 72 f) 1200 C 0,5 α 0,63	C	M
4	a) 29% b) 3,5 c) S d) N e) N	D	M
5	a) S b) 4	D	M
6	a) a 6 0,50 l 12 b) b 0 0,00 l 12	C	M
7	a) -25% b) 4% c) 0,5	D	M
8	s 0,2 30 l 6	D	M
9	a) N b) N	B	M
10		C	M
11		C	M



$I_v = 0.64$

BUILDING E19		CLASS	QUAL. INF.
1		C	M
2		C	M
3	a) 0,66 b) 0,75 c) 0,5 d) 3 e) 39 f) 1200 C 0,5 α 0,60	C	M
4	a) 8% b) 0,5 c) S d) N e) N	B	M
5	a) S b) 2	C	M
6	a) a 6 0,92 l 6,5 b) b 0 0,00 l 6,5	A	M
7	a) +5% b) 26% c) 0,3	D	M
8	s 0,2 15 l 3	A	M
9	a) N b) N	B	M
10		C	M
11		C	M



$I_v = 0.44$

BUILDING E20		CLASS	QUAL. INF.
1		D	M
2		C	M
3	a) 0,66 b) 0,25 c) 0,5 d) 3 e) 68 f) 1200 C 0,5 α 0,48	D	M
4	a) 6% b) 0,5 c) S d) N e) N	B	M
5	a) S b) 4	D	M
6	a) a 8 0,94 l 8,5 b) b 0 0,00 l 8,5	A	M
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,2 20 l 4	C	M
9	a) S b) N	D	M
10		D	M
11		D	M



$I_v = 0.70$

BUILDING E23		CLASS	QUAL. INF.
1		C	M
2		C	M
3	a) 1 b) 0,75 c) 0,5 d) 3 e) 121,5 f) 1200 C 0,5 α 0,69	C	M
4	a) 0% b) 0,0 c) S d) N e) N	A	M
5	a) N b) 2	C	M
6	a) a 9 0,67 l 14 b) b 0 0,00 l 14	B	M
7	a) -10% b) 0% c) 0,00	B	M
8	s 0,2 20 l 4	C	M
9	a) N b) N	B	M
10		B	M
11		B	M



$I_v = 0.30$

BUILDING F1		CLASS	QUAL. INF.
1		B	B
2		D	M
3	a) 0,66 b) 0,5 c) 1 d) 2 e) 55 f) 1200 C 0,5 α 0,67	C	B
4	a) 0,10 b) 0,5 c) S d) N e) N	B	M
5	a) N b) 2	C	B
6	a) a 5 0,46 l 11 b) b 0 0,00 l 1	D	E
7	a) <10% b) 0% c) 0,00	A	M
8	s 0,2 20,5 l 4,1	B/C	M
9	a) N b) S	A	B
10		A	E
11		A/B	M



$I_v = 0.29$

BUILDING F2		CLASS	QUAL. INF.
1		D	E
2		D	E
3	a) 0,66 b) 0,5 c) 1 d) 2 e) 59 f) 1200 C 0,5 α 0,67	C	B
4	a) 0,13 b) 0,5 c) S d) N e) N	B	M
5	a) N b) 4	D	B
6	a) a 4 0,25 l 16 b) b 4 0,25 l 16	D	E
7	a) <10% b) 0% c) 0,00	B/C	M
8	s 0,2 30 l 6	C/D	E
9	a) N b) S	D	B
10		D	E
11		D	E



$I_v = 0.63$

BUILDING F3		CLASS	QUAL. INF.
1		C	M
2		D	M
3	a) 1 b) 1 c) 1 d) 2 e) 79 f) 1200 C 0,5 α 0,88	C	B
4	a) 0,10 b) 0,5 c) S d) N e) N	C	M
5	a) N b) 2	C	M
6	a) a 7,5 0,71 l 11 b) b 0 0,00 l 1	A/B	B
7	a) <10% b) 0% c) 0,00	A	M
8	s 0,2 35 l 7	C	M
9	a) N b) N	C	B
10		C	M
11		B	M



$I_v = 0.41$

BUILDING F4		CLASS	QUAL. INF.
1		D	E
2		D	E
3	a) 0,33 b) 1 c) 1 d) 2 e) 265 f) 1200 C 1 α 0,83	C	B
4	a) 0,10 b) 0,5 c) S d) N e) N	B	M
5	a) N b) 4	C/D	B
6	a) a 11 0,66 l 16 b) b 0 0,00 l 1	B	E
7	a) <10% b) 0% c) 0,00	B/C	M
8	s 0,2 20 l 4	B	E
9	a) N b) N	C	M
10		C	E
11		C	E



$I_v = 0.46$

BUILDING F5		CLASS	QUAL. INF.
1		B	E
2		A	B
3	a) 0,66 b) 1 c) 1 d) 2 e) 176 f) 1200 C 0,5 α 0,79	C	B
4	a) 0,10 b) 0,5 c) S d) N e) N	A	M
5	a) N b) 1	A	B
6	a) a 8,8 0,44 l 20 b) b 0 0,00 l 1	C/D	E
7	a) <10% b) 0% c) 0,00	A	M
8	s 0,3 17,6 l 4,4	B	B
9	a) S b) S	D	M
10		C/B	B
11		B	B



$I_v = 0.13$

BUILDING F6		CLASS	QUAL. INF.
1		B	E
2		A	B
3	a) 0,66 b) 1 c) 1 d) 2 e) 176 f) 2000 C 0,5 α 0,79	C	B
4	a) 0,10 b) 0,5 c) S d) N e) N	A	M
5	a) N b) 1	A	B
6	a) a 8,8 0,44 l 20 b) b 0 0,00 l 1	C/D	E
7	a) <10% b) 0% c) 0,00	A	M
8	s 0,3 34,4 l 8,6	C	B
9	a) N b) S	B	E
10		A	E
11		A/B	E



$I_v = 0.11$

BUILDING F7		CLASS	QUAL. INF.
1		B	B
2		A	B
3	a) 0,66 b) 0,75 c) 0,5 d) 2 e) 135 f) 2000 C 0,5 α 0,60	C	M
4	a) 0,07 b) 1,0 c) S d) N e) N	C	M
5	a) N b) 2	C	B
6	a) a 9 0,60 l 15 b) b 0 0,00 l 1	B	M
7	a) <10% b) 0% c) 0,00	A	M
8	s 0,2 35 l 7	D	M
9	a) N b) S	B	B
10		C	M
11		B	M



$I_v = 0.22$

BUILDING F23		CLASS	QUAL. INF.
1		A	M
2		B	M
3	a) 0,66 b) 1 c) 1 d) 2 e) 37 f) 1200 C 0,5 α 0,79	C	M
4	a) 0,00 b) 0,0 c) S d) N e) N	C	M
5	a) N b) 2	C	B
6	a) a 5 0,69 l 7,3 b) b 0 0,00 l 1	B	M
7	a) <10% b) 0% c) 0,00	B	M
8	s 0,2 36,5 l 7,3	D	M
9	a) N b) S	B	B
10		C	M
11		A	M



$I_v = 0.22$

BUILDING F24		CLASS	QUAL. INF.
1		A	M
2		B	M
3	a) 0,66 b) 1 c) 1 d) 2 e) 37 f) 1200 C 0,5 α 0,79	C	M
4	a) 0,00 b) 0,0 c) S d) N e) N	B	M
5	a) N b) 2	C	B
6	a) a 5 0,69 l 7,3 b) b 0 0,00 l 1	B	B
7	a) <20% b) 0% c) 0,00	C	M
8	s 0,2 36,5 l 7,3	D	M
9	a) N b) S	B	M
10		C	M
11		A	M



$I_v = 0.20$

BUILDING F25		CLASS	QUAL. INF.
1		A	M
2		B	M
3	a) 0,66 b) 1 c) 0,5 d) 2 e) 78 f) 1200 C 0,5 α 0,67	C	M
4	a) 0,06 b) 0,7 c) S d) N e) N	C	M
5	a) N b) 2	C	B
6	a) a 5 0,69 l 7,3 b) b 0 0,00 l 1	B	B
7	a) <20% b) 0% c) 0,00	B	M
8	s 0,2 30 l 6	D	M
9	a) N b) S	B	M
10		C	M
11		A	M



$I_v = 0.22$

BUILDING F26		CLASS	QUAL. INF.
1		C	M
2		C	M
3	a) 0,33 b) 1 c) 0,5 d) 2 e) 30 f) 1200 C 0,5 α 0,58	C	M
4	a) 5% b) 0,3 c) S d) N e) N	B	M
5	a) N b) 2	C	M
6	a) a 5 0,83 l 6 b) b 0 0,00 l 6	A	B
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,3 20 l 6	C	M
9	a) N b) N	B	B
10		B	M
11		B	M



$I_v = 0.30$

BUILDING F27		CLASS	QUAL. INF.
1		C	M
2		C	M
3	a) 0,66 b) 0,75 c) 1 d) 2 e) 88 f) 1200 C 0,5 α 0,73	B	M
4	a) 9% b) 1,0 c) N d) S e) N	C	M
5	a) N b) 2	C	M
6	a) a 8 0,73 l 11 b) b 0 0,00 l 11	B	B
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,3 20 l 6	C	M
9	a) N b) S	A	B
10		B	M
11		B	M



$I_v = 0.31$

BUILDING F28		CLASS	QUAL. INF.
1		A	B
2		D	E
3	a) 1 b) 0,75 c) 1 d) 4 e) 150 f) 1200 C 0,5 α 0,81	B	E
4	a) 0,04 b) 0,5 c) S d) N e) N	B	M
5	a) N b) 4	A	B
6	a) a 8 0,615 l 13 b) b 0 0,00 l 1	B/C	B
7	a) <10% b) 0% c) 0,00	C	M
8	s 0,2 25 l 5	B	M
9	a) S b) N	A	M
10		A	E
11		A	E



$I_v = 0.20$

BUILDING F29		CLASS	QUAL. INF.
1		A	B
2		D	E
3	a) 1 b) 0,75 c) 1 d) 4 e) 77 f) 1200 C 0,5 α 0,81	B	E
4	a) 0,05 b) 0,5 c) S d) N e) N	A	M
5	a) N b) 1	A	B
6	a) a 8,5 1 l 8,5 b) b 0 0,00 l 1	A	B
7	a) <10% b) 0% c) 0,00	C	M
8	s 0,2 40 l 8	B	M
9	a) N b) S	A	M
10		A/B	E
11		A	E



$I_v = 0.18$

BUILDING F30		CLASS	QUAL. INF.
1		C/D	B
2		C	B
3	a) 0,66 b) 1 c) 1 d) 2 e) 77 f) 1200 C 0,5 α 0,79	B	B
4	a) 0,00 b) 0,0 c) S d) N e) N	A	M
5	a) N b) 4	C/D	B
6	a) a - N.A. l - b) b - N.A. l -	D	A
7	a) <10% b) 0% c) 0,00	D	A
8	s 0,2 40 l 8	C/D	M
9	a) N b) S	C/D	M
10		C/D	B
11		C	B



$I_v = 0.51$

BUILDING F31		CLASS	QUAL. INF.
1		D	E
2		D	E
3	a) 1 b) 1 c) 1 d) 2 e) 150 f) 1200 C 0,5 α 0,88	D	B
4	a) 0,00 b) 0,0 c) S d) N e) N	A	M
5	a) N b) 4	D	E
6	a) a - N.A. l - b) b - N.A. l -	D	B
7	a) <10% b) 0% c) 0,00	A	E
8	s 0,2 40 l 8	B/C	M
9	a) N b) N	C/D	M
10		A	E
11		C/D	E



$I_v = 0.51$

BUILDING F32		CLASS	QUAL. INF.
1		D	B
2		C	B
3	a) 1 b) 1 c) 1 d) 2 e) 150 f) 1200 C 0,5 α 0,88	B	B
4	a) 0,00 b) 0,0 c) S d) N e) N	A	M
5	a) N b) 4	C/D	B
6	a) a - N.A. l - b) b - N.A. l -	D	B
7	a) <10% b) 0% c) 0,00	A	B
8	s 0,2 40 l 8	B/C	M
9	a) N b) N	C/D	M
10		A/B	B
11		B/C	B



$I_v = 0.38$

BUILDING F33		CLASS	QUAL. INF.
1		D	M
2		C	M
3	a) 0,33 b) 0,5 c) 1 d) 3 e) 76,5 f) 1500 C 0,5 α 0,58	C	M
4	a) 11% b) 1,1 c) S d) N e) N	D	B
5	a) N b) 4	D	M
6	a) a 7,5 0,74 l 10 b) b 0 0,00 l 10	B	M
7	a) -10% b) 0% c) 0,00	A/B	M
8	s 0,2 45 l 9	D	M
9	a) N b) N	B	M
10		B	M
11		C	M



$I_v = 0.60$

BUILDING F34		CLASS	QUAL. INF.
1		D	M
2		C	M
3	a) 0,33 b) 1 c) 0,5 d) 3 e) 140 f) 1500 C 0,5 α 0,58	C	M
4	a) 9% b) 1,5 c) S d) N e) N	D	M
5	a) N b) 4	D	M
6	a) a 8 0,46 l 18 b) b 0 0,00 l 18	C	M
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,2 40 l 8	D	M
9	a) N b) N	B	M
10		B/C	M
11		C	M



$I_v = 0.64$

BUILDING F35		CLASS	QUAL. INF.
1		C	M
2		D	M
3	a) 0,66 b) 0,75 c) 0,5 d) 2 e) 123,8 f) 1200 C 0,5 α 0,60	C	M
4	a) 33% b) 1,0 c) S d) N e) N	C	B
5	a) N b) 4	D	M
6	a) a 6,7 0,48 l 14 b) b 6 0,43 l 14	D	B
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,2 25 l 5	C	B
9	a) S b) N	D	B
10		B	M
11		C	M



$I_v = 0.63$

BUILDING F36		CLASS	QUAL. INF.
1		D	M
2		D	M
3	a) 1 b) 1 c) 0,5 d) 2 e) 73,2 f) 1200 C 0,5 α 0,75	B	M
4	a) 33% b) 4,0 c) S d) N e) N	D	B
5	a) N b) 4	D	M
6	a) a 6,1 0,51 l 12 b) b 0 0,00 l 12	C	B
7	a) -10% b) 0% c) 0,00	B	M
8	s 0,2 30,5 l 6,1	D	B
9	a) S b) N	D	B
10		D	M
11		D	M



$I_v = 0.90$

BUILDING F37		CLASS	QUAL. INF.
1		C	M
2		D	M
3	a) 0,33 b) 1 c) 0,5 d) 2 e) 49,6 f) 1200 C 0,5 α 0,58	C	M
4	a) 50% b) 4,0 c) S d) N e) N	D	B
5	a) N b) 4	C	M
6	a) a 6,2 0,78 l 8 b) b 0 0,00 l 8	A	B
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,2 30 l 6	D	B
9	a) N b) N	B	B
10		D	M
11		B	M



$I_v = 0.63$

BUILDING F38		CLASS	QUAL. INF.
1		C	B
2		C	B
3	a) 0,33 b) 0,75 c) 0,5 d) 4 e) 164 f) 2000 C 0,5 α 0,52	D	B
4	a) 33% b) 5,0 c) S d) N e) N	D	M
5	a) N b) 3/4	D	M
6	a) a 8 0,50 l 16 b) b 8,5 0,53 l 16	D	B
7	a) 0% b) 0% c) 0,00	A	B
8	s 0,3 16,7 l 5	B	B
9	a) N b) N	B	B
10		D	M
11		B/C	M



$I_v = 0.64$

BUILDING F39		CLASS	QUAL. INF.
1		D	M
2		D	M
3	a) 0,33 b) 1 c) 0,5 d) 2 e) 216 f) 1200 C 0,5 α 0,58	C	M
4	a) 7% b) 1,5 c) S d) N e) N	D	M
5	a) N b) 4	D	M
6	a) a 3 0,14 l 22 b) b 8 0,36 l 22	D	B
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,2 22,5 l 4,5	B	M
9	a) S b) N	D	B
10		C	M
11		D	M



$I_v = 0.84$

BUILDING F40		CLASS	QUAL. INF.
1		C/D	B
2		C	B
3	a) 0,33 b) 0,5 c) 1 d) 3 e) 165 f) 2000 C 0,5 α 0,58	C	B
4	a) 0,11 b) 1,0 c) S d) N e) N	B	M
5	a) N b) 4	D	B
6	a) a 9 0,5 l 18 b) b 0 0,00 l 1	C	B
7	a) <10% b) 0% c) 0,00	A	M
8	s 0,2 22,5 l 4,5	C	M
9	a) N b) N	B	M
10		D	M
11		C/D	M



$I_v = 0.50$

BUILDING F41		CLASS	QUAL. INF.
1		C/D	B
2		C	B
3	a) 0,66 b) 1 c) 1 d) 3 e) 189 f) 1200 C 0,5 α 0,79	B	B
4	a) 0,11 b) 1,0 c) S d) N e) N	B	M
5	a) N b) 4	D	B
6	a) a 9 0,429 l 21 b) b 0 0,00 l 1	C	B
7	a) <10% b) 0% c) 0,00	A	M
8	s 0,2 22,5 l 4,5	C	M
9	a) N b) N	B	M
10		D	M
11		C/D	M



$I_v = 0.48$

BUILDING F42		CLASS	QUAL. INF.
1		C/D	B
2		D	B
3	a) 0,66 b) 1 c) 1 d) 2 e) 108 f) 1200 C 0,5 α 0,79	B	B
4	a) 0,11 b) 1,0 c) S d) N e) N	B	M
5	a) N b) 4	D	B
6	a) a 8,5 0,944 l 9 b) b 0 0,00 l 1	A	B
7	a) <10% b) 0% c) 0,00	A	M
8	s 0,2 25 l 5	B	M
9	a) N b) N	B	M
10		C	M
11		C/D	M



$I_V = 0.48$

BUILDING F43		CLASS	QUAL. INF.
1		C	B
2		A	B
3	a) 0,66 b) 1 c) 1 d) 2 e) 126 f) 1200 C 0,5 α 0,79	B	B
4	a) 0,11 b) 1,0 c) S d) N e) N	B	M
5	a) N b) 4	D	B
6	a) a 9 0,643 l 14 b) b 0 0,00 l 1	B	B
7	a) <10% b) 0% c) 0,00	A	M
8	s 0,2 32,5 l 6,5	C	M
9	a) N b) N	B	M
10		C/D	M
11		A/B	M



$I_v = 0.22$

BUILDING F44		CLASS	QUAL. INF.
1		C	M
2		A	M
3	a) 1 b) 0,5 c) 0,5 d) 3 e) 154 f) 2000 C 0,5 α 0,63	C	M
4	a) 14% b) 2,0 c) S d) N e) N	D	M
5	a) N b) 4	D	M
6	a) a 11 0,79 l 14 b) b 0 0,00 l 14	B	M
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,5 22,22 l 10	C	M
9	a) N b) N	B	B
10		B	M
11		B	M



$I_v = 0.32$

BUILDING G1		CLASS	QUAL. INF.
1		D	E
2		C	E
3	a) 1 b) 0,5 c) 0,5 d) 2 e) 75 f) 1200 C 0,5 α 0,63	D	B
4	a) 0,00 b) 0,0 c) S d) N e) N	D	M
5	a) N b) 4	D	E
6	a) a 5 B l 17 b) b - N.A. l -	D	B
7	a) <10% b) 0% c) 0,00	A	E
8	s 0,2 40 l 8	D	M
9	a) N b) N	C/D	M
10		D	E
11		D	E



$I_v = 0.65$

BUILDING G7		CLASS	QUAL. INF.
1		C	E
2		C	E
3	a) 1 b) 1 c) 1 d) 2 e) 75 f) 1200 C 0,5 α 0,88	A	B
4	a) 0,10 b) 1,0 c) S d) N e) N	D	M
5	a) N b) 2	C	E
6	a) a 6 0,4 l 15 b) b - N.A. l -	C	B
7	a) <10% b) 0% c) 0,00	A	E
8	s 0,2 40 l 8	D	M
9	a) N b) N	C/D	M
10		D	E
11		A	E



$I_v = 0.39$

BUILDING G8		CLASS	QUAL. INF.
1		D	M
2		D	E
3	a) 0,66 b) 1 c) 1 d) 2 e) 108 f) 1200 C 0,5 α 0,79	B	B
4	a) 0,07 b) 0,0 c) S d) N e) N	D	M
5	a) N b) 4	D	E
6	a) a 9 0,75 l 12 b) b N.A. l -	B	B
7	a) <10% b) 0% c) 0,00	A	E
8	s 0,2 30 l 6	C/D	M
9	a) N b) N	D	M
10		B/C	E
11		D	E



$I_v = 0.58$

BUILDING G9		CLASS	QUAL. INF.
1		C/D	B
2		D	B
3	a) 1 b) 1 c) 1 d) 2 e) 60 f) 1200 C 0,5 α 0,88	A	B
4	a) 0,16 b) 0,0 c) S d) N e) N	B	M
5	a) N b) 2	C	E
6	a) a 9,5 l 11 0,864 b) b - N.A. l -	B	B
7	a) <10% b) 0% c) 0,00	A	E
8	s 0,2 l 6 30	C	E
9	a) S b) N	D	M
10		C	B
11		C	B



$I_v = 0.48$

BUILDING G11-15		CLASS	QUAL. INF.
1		B	E
2		A	E
3	a) 1 b) 0,5 c) 0,5 d) 2 e) 193 f) 2000 C 0,5 α 0,63	C	B
4	a) 0,10 b) 0,5 c) S d) N e) N	A	M
5	a) S b) 1	A	E
6	a) a 7,7 0,308 l 25 b) b 0 0,00 l 1	C/D	E
7	a) <10% b) 0% c) 0,00	A	E
8	s 0,3 16 l 4	C	B
9	a) N b) S	B	E
10		C	E
11		C/B	E



$I_v = 0.15$

BUILDING H1		CLASS	QUAL. INF.
1		D	E
2		D	E
3	a) 1 b) 0,25 c) 1 d) 2 e) 85 f) 1200 C 0,5 α 0,69	C	B
4	a) 1,50 b) 0,5 c) S d) N e) N	D	M
5	a) N b) 4	D	E
6	a) a 7,7 0,308 l 25 b) b 0 0,00 l 1	C/D	E
7	a) <10% b) 0% c) 0,00	C/D	E
8	s 0,2 30 l 6	D	B
9	a) N b) N	C/D	E
10		C	E
11		C/B	E



$I_v = 0.57$

BUILDING H5		CLASS	QUAL. INF.
1		B/C	E
2		C	E
3	a) 1 b) 0,25 c) 1 d) 2 e) 46 f) 1200 C 0,5 α 0,69	C	B
4	a) 0,33 b) 0,5 c) S d) N e) N	D	M
5	a) N b) 2	C/D	M
6	a) a 6 0,506 l 12 b) b 0 0,00 l 1	C/D	E
7	a) <10% b) 50% c) 0,00	C/D	E
8	s 0,2 20 l 4	B	B
9	a) N b) N	C/D	E
10		B	M
11		B	M



$I_v = 0.35$

BUILDING H8		CLASS	QUAL. INF.
1		C/D	B
2		D	B
3	a) 1 b) 1 c) 0,5 d) 2 e) 160 f) 1200 C 0,5 α 0,75	C	B
4	a) 0,11 b) 0,5 c) S d) N e) N	D	M
5	a) N b) 2	D	B
6	a) a 11 0,777 l 14 b) b 0 0,00 l 1	A/B	E
7	a) <10% b) 0% c) 0,00	A	E
8	s 0,2 20 l 4	B	B
9	a) N b) N	C/D	E
10		B	M
11		C/D	M



$I_v = 0.55$

BUILDING H11		CLASS	QUAL. INF.
1		C	B
2		D	B
3	a) 1 b) 1 c) 0,5 d) 2 e) 160 f) 1200 C 0,5 α 0,75	C	B
4	a) 0,11 b) 0,5 c) S d) N e) N	C	M
5	a) N b) 2	C	B
6	a) a 11 0,777 l 14 b) b 0 0,00 l 1	A/B	E
7	a) <10% b) 0% c) 0,00	A	E
8	s 0,2 20 l 4	B	B
9	a) N b) N	C	B
10		B	M
11		B	M



$I_v = 0.38$

BUILDING H12		CLASS	QUAL. INF.
1		C/D	M
2		D	E
3	a) 1 b) 1 c) 1 d) 3 e) 96 f) 1200 C 0,5 α 0,88	C	B
4	a) 0,11 b) 0,5 c) S d) N e) N	C	E
5	a) N b) 4	D	B
6	a) a 8 0,67 l 12 b) b 0 0,00 l 1	B	E
7	a) <10% b) 0% c) 0,00	A	E
8	s 0,2 20 l 4	B	B
9	a) N b) N	D	B
10		D	B
11		C/D	M



$I_v = 0.58$

BUILDING H13		CLASS	QUAL. INF.
1		C/D	E
2		D	E
3	a) 1 b) 1 c) 1 d) 3 e) 72 f) 1200 C 0,5 α 0,88	C	E
4	a) 0,08 b) 0,5 c) S d) N e) N	C	E
5	a) N b) 2	C	B
6	a) a 6 0,5 l 12 b) b 0 0,00 l 1	C	E
7	a) <10% b) 0% c) 0,00	A	E
8	s 0,2 30 l 6	C/D	B
9	a) N b) N	D	B
10		B	E
11		B	E



$I_v = 0.41$

BUILDING H53		CLASS	QUAL. INF.
1		C/D	M
2		D	M
3	a) 1 b) 0,5 c) 0,5 d) 2 e) 117 f) 1200 C 0,5 α 0,63	C	M
4	a) 11% b) 1,4 c) S d) N e) N	D	M
5	a) N b) 4	D	M
6	a) a 9 0,69 l 13 b) b 0 0,00 l 13	B	M
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,2 35 l 7	D	M
9	a) N b) N	B	B
10		B	M
11		D	M



$$I_v = 0.71$$

BUILDING H54		CLASS	QUAL. INF.
1		C/D	M
2		B/C	M
3	a) 0,66 b) 1 c) 0,5 d) 2 e) 160 f) 2000 C 0,5 α 0,67	C	M
4	a) 24% b) 2,4 c) S d) N e) N	D	M
5	a) N b) 4	D	M
6	a) a 10 0,63 l 16 b) b 0 0,00 l 16	B	M
7	a) -20% b) 0% c) 0,00	B	M
8	s 0,3 26,7 l 8	D	M
9	a) N b) N	B	B
10		B	M
11		C/D	M



$I_v = 0.53$

BUILDING H55		CLASS	QUAL. INF.
1		C/D	M
2		D	M
3	a) 0,66 b) 0,5 c) 0,5 d) 2 e) 100 f) 1200 C 0,5 α 0,54	D	M
4	a) 15% b) 1,5 c) S d) N e) N	D	M
5	a) N b) 4	D	M
6	a) a 10 1,00 l 10 b) b 0 0,00 l 10	A	M
7	a) 0% b) 0% c) 0,00	A	M
8	s 0,2 35 l 7	D	M
9	a) N b) N	B	B
10		B	M
11		C/D	M



$I_v = 0.70$

Appendix 9

**A study on Cerro Cordillera by Claudia Andrea Zuñiga Jara
OGP, Municipality of Valparaiso
(in Spanish)**

El proyecto emergente: el reconocimiento del "alter" cultural y las áreas de oportunidad urbana

Cuestiones problemáticas de la ciudad (Caso Valparaíso, Región de Valparaíso, Chile)

Nuestras áreas de investigación en la Oficina De Gestión Patrimonial en Italia, vienen reconociendo en el territorio seleccionado las siguientes cuestiones:

desarrollo caótico, extensión ilimitada que descuida calidad y beneficios, fronteras internas.

Áreas de oportunidad – mesetas en Valparaíso: vacíos y periferias

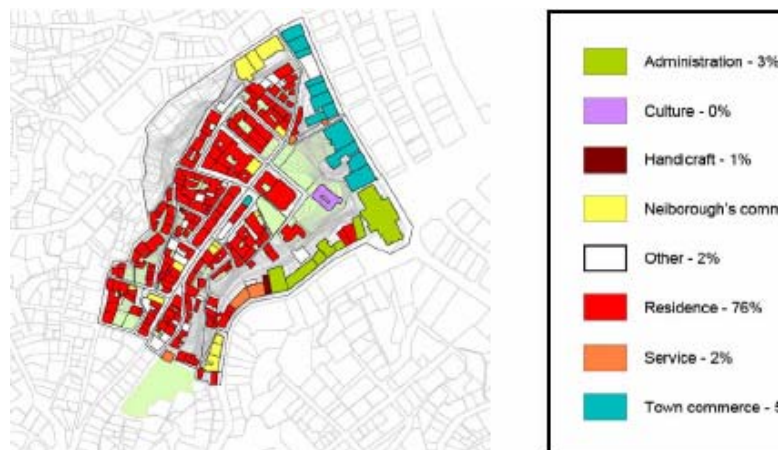
Los Vacíos Urbanos (Áreas de Oportunidad Proyectual por usos abandonados detectados y su posible rol para una Nueva Ciudad), imponen profundizar el "estancamiento" y la "involución", en un marco de valores para nuevas estrategias sustentables. Cambios repentinos derivados de paradigmas de la globalización económica-cultural, reflejados en el espacio físico, no son controlados ni encauzados.

Introvertidas presiones, aspiraciones y formas de vida de los "actores" y la exacerbación de límites físicos y no físicos auto-protectores de los grupos sociales en contraste, fagocitan sectores urbanos frutos de la "reproducción" acrítica, desde lo más "pobrememente cualitativo" de otros sectores cercanos. La transformación ética de la problemática, precisa nuevos marcos de valores, completando o mejorando gestiones e intenciones previamente concebidas u olvidadas, repensando la cuestión como "comunidad y gobierno", "comunidad y participación", reivindicando situaciones de asiento, revirtiendo modos de vida "apartados" y "apartantes". La cuestión de los "márgenes o fronteras" (periferias internas y externas) vista como tejidos socioculturales, económicos y físicos "orgánicos -integrativos" ó como "orgánicosbiológicos", puede permitir ensayar en conceptualización, hipótesis de "regeneración, refundación y conectividad" como algo más que "imagen", concibiendo formas de vida, costumbres, pluralidad y diversidad de la ciudad, en usos y vivencias espaciotemporales.



Macrohipótesis:

Planteamos, a modo de consignas: desarrollo progresivo, hábitat evolutivo, recentralización, regeneración, participación, pluralidad / diversidad, proyección urbana y arquitectónica.



La aproximación programática, la fase de proyecto y la fase de gestión:

Contempla cuestiones de tensión que gravitan sobre los actores, su tiempo y su espacio físico, abriendo de a poco "barreras", desde el proponer nuevo "cuadro de valores" (ideas, actividades, ofertas y atracciones que modifiquen la situación) interviniendo sobre el vacío, la regeneración del lleno y la indagación de estéticas refundadas que tengan en cuenta elementos de identidad "periféricos" internos o externos.

Proyectos urbanos y arquitectónicos estratégicos, con fuerte base sociocultural y productiva

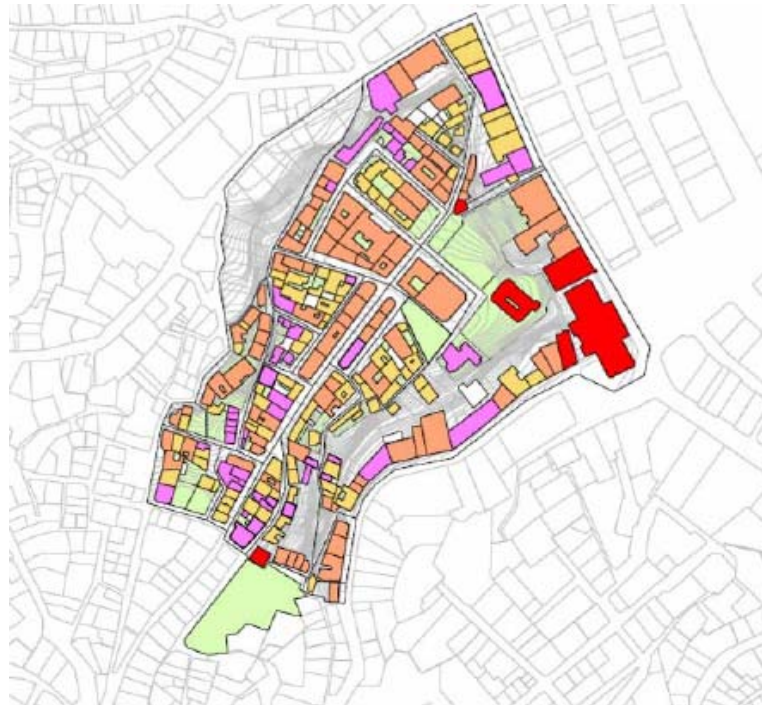
Las intervenciones para verificación de hipótesis son: reinserción habitacional, sedes institucionales comunitarias, unidades productivas familiares y grupales; turismo urbano. También seleccionamos en el Sector Del Cerro Cordillera la morfología y consolidación de estas, área de verificación de las Hipótesis:

- 1- Áreas peri centrales (Zona Cerro Cordillera que toma todas las normativas incidentes en la ciudad de Valparaíso y que además tiene Monumentos Históricos sujetos a propuesta).
- 2- Áreas periurbanas (tomos ramos, Cajilla, Aduanilla.) que a su vez constituyen el desgrane de los cerros, por lo tanto nuestro tema a través de la conectividad, será generar la consolidación del grano.



Teorías desde la realidad

Valparaíso, Cerro Cordillera se consolida desde una continuidad dada por la calle Castillo que genera una recualificación urbana con el paso del tiempo de conectividad entre los que sucede sobre la avenida Alemania y el plan, además de ser una calle de servicios, continuamente mutable desde procesos complejos y situaciones físicas cambiantes descompone en lugares la esencia del Cerro Castillo , desde otros modos de uso y consumo del espacio, heterogeneidad de atractivos, cambio en la habitación, tanto en el centro como en la periferia externa, abandonos, Intereses y calidades son estereotipados y diluidos, y Proyecto actual de la Oficina de Gestión Patrimonial pretende generar un Circuito de Interés , de Turismo Cultural, con una mirada nueva sobre situaciones particularizadas, que redefinan los conceptos de "calidad" y de "participación".



Estrategias graduales y estrategias "saltos"

Nuevas lecturas sobre Vacíos y Periferias como áreas "de oportunidad", arrojan nuevos objetivos de Trabajo, acerca la generación de Estrategias Graduales y de Estrategias "de impacto" o "de salto". Desde el Proyecto General, se arman sobre Hipótesis de Regeneración, Participación e Impactos Desencadenantes, con re- conceptualización de "modos de uso" espacial, que propicien vivencias no estereotipadas; y reflejen en imágenes construidas participativamente, que promuevan la práctica social.



Conectividades y márgenes urbanos:

desde los vacíos, las "periferias internas" (áreas peri-centrales) La Ciudad "extendida" determina dramáticamente la dicotomía entre centro y periferia. El "sueño" contemporáneo de integración de suburbios servidos y equipados eficientemente, con centros históricos "a la europea", tiene aquí

como paradoja la "pesadilla" de periferias caóticas, de centros anónimos degradados. G. Améndola en su libro "La Ciudad Contemporánea" expresa el sentimiento del habitante de la ciudad de hoy. Nuevos centros, vacíos degradados, contenedores reciclables, y tramas irregulares en el barrio, presentan condiciones de disponibilidad para asentamientos, usos y actividades renovados. Las nuevas centralizaciones con condición periférica multipolar, tienden a configurar organismos y espacios inéditos. Lo conflictivo, conjunción de diversos factores geográficos-circulatorios, propicia, si leído desde otra óptica, oportunidades para nuevos proyectos. Heterogeneidades y disyunciones del tejido, motivadas por barreras físicas, también son ocasión de estudio, puesto que se hipotetiza la posibilidad de estructuraciones tipológico - arquitectónicas de renovada organización.



El sistema conectivo de bordes, periferias y cruces

Las "periferias internas" del Cerro Codillera, como Áreas de Oportunidad, muestran una manifestación singular en su manifestación físico- espacial en la trama. Es una gran oportunidad para renovación urbana local y dinamización a partir de la Conectividad. La lectura sensible y objetiva a la vez, detecta heterogeneidad en sus situaciones de borde, cruces y su esencia "periférica" de una situación local.

Objetivos Generales y Particulares.

El trabajo propone los siguientes Objetivos:

- relevar situaciones tipológico-espaciales del tipo variación e innovación;



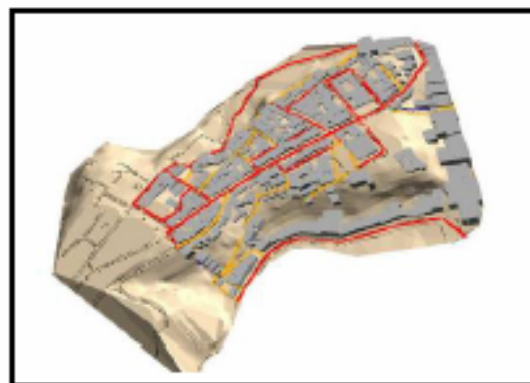
- reconocer las estructuras físico-espaciales del sistema conectivo del transporte público;



- caracterizar las situaciones de intersecciones y tramos irregulares;



- identificar las irregularidades topográficas como modelos a estudiar y poder generar una metodología a seguir SIG.



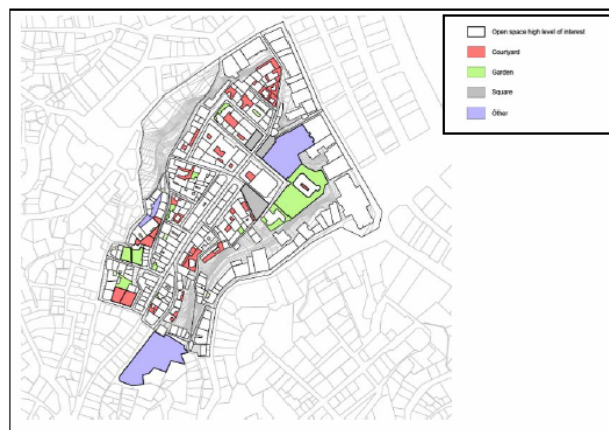
Microhipótesis de Trabajo

Estudios planimétricos, sistemas de información geográfico (SIG) y de recorridos perceptuales, muestran condiciones del tejido en los bordes y funcionalidad mutada en situaciones de cruces con vías importantes de la traza. Es interesante el análisis de la relación cambios topográficos - surcos peatonales, con alto grado de abandono de la ciudad y el sector. Las "puertas" de paso de una situación a otra, tienen hoy un vacío de contenido y representan el estadio más bajo en la gradiente de significados del Barrio. Los nodos, usados como basurales o abandonados, son la cara oculta de la Ciudad. En los tramos, puede incidirse en mejorar las tramas (relación espacios privados /comunitarios /públicos), teniendo en cuenta lo cubierto, patios, y medianeras.

La etapa de Ensayos y de Experimentación Proyectual, a través de Estrategias, puede arrojar sugerencias para inversores y otros actores que construyen la Ciudad. Estudios de comportamiento de la sociedad del Área indicarán sus aspiraciones respecto la espacialidad donde trazar su vida cotidiana.

Hipótesis específicas en el Desarrollo de un plan estratégico del Cerro Cordillera: Conceptualización y acciones posibles en la trama irregular del Cerro Cordillera

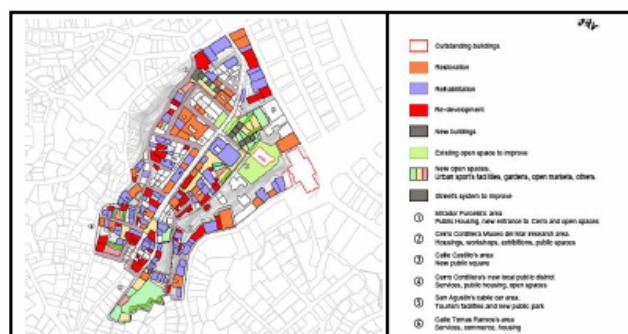
Inductiva y deductivamente, se van cerrando ciertas conclusiones y se comprenden fenómenos - macro a partir de situaciones particulares o específicas. Conceptualizando "términos" y "conceptos", la idea de "Proyecto Emergente", implica Proyecto que se Anticipa o "se propone" a partir de cierta realidad. Con ello queremos recomponer la esencia barrial. Queremos verificar si la idea de "identidad" como ser "único y diferenciable", "reconocible por un proceso empático-atractivo" es dinámica ó permanente. Relevar fenómenos de "congelamiento", de "acumulación y concentración", de "disolución" ó "disipación" e "imprecisión" de la esencia, admitiría diversos tipos de ensayos programático - proyectuales.



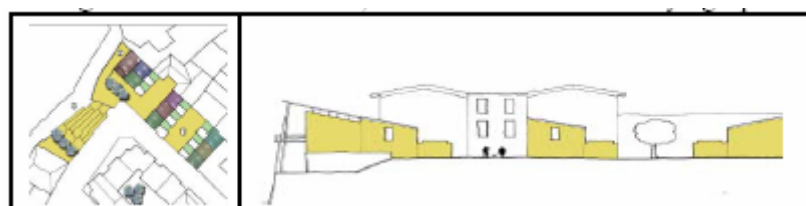
Programa estratégico arquitectónico- urbanístico

En los bordes programamos:

- códigos de acuerdo al entorno;



- códigos de "extrañamiento"; viviendas unifamiliares y agrupadas;



- en el entorno histórico, implica: recuperaciones patrimoniales/refuncionalizaciones; recuperaciones de tramos y optimización de calles (arquitectura menor, sin retiro verde y potencializando mobiliario Urbano.)



- proponer instituciones relacionadas a cultura, la formación y desarrollo comunitario, al intercambio de flujos, a servicios para el trabajo, a la recreación;
- comercio que sea diario y periódico, pequeño y mediano y especial aquellos enfocados a un turismo cultural, que integrara al cerro el la trama de la totalidad de la Comuna de Valparaíso.

Temas - Problemas a ser trabajados

Servicios recreativos - culturales; formativos; para la información y el trabajo. El trabajo sobre periferias internas presupone acciones contrarias a "lo espontáneo y natural", subrayando mediante acciones urbano - arquitectónicas el límite y convirtiéndolo en "conector de energías locales", con acento en las Problematicas a profundizar para verificar las hipótesis. Ellos son:

Recursos válidos para la intervención; Validez de las acciones "por acompañamiento" y de las acciones "por impacto"; Tipos y grados de conectividad norte - sur - este - oeste; Disponibilidad del Vacío como "Espacio construible"; Gradaciones y variaciones de "lo público" y de "lo privado"; Posibilidades de control de la transformación y la mutabilidad; Incidencia de la movilidad y el transporte; Usos y actividades de motorización de la identidad social y comunitaria; Nuevos espacios de la vivienda.

- Periferias urbanas: dentro de una localidad, como lo no conectado, lo aislado.

La identificación de las Periferias Externas con lecturas especiales que detecten Bordes con cambios bruscos respecto de las variables de la realidad física, socio-cultural y económica, propician regeneración refundando las mismas esencias, pero con menos "distancias" temporales, espaciales y de apropiación para la gente, revalorizando lugares suburbanos permitiendo su diálogo con la Ciudad. Los modos de vida de las comunidades como factores a interactuar con el proyecto, promueven el mejoramiento de las prestaciones de calidad ambiental a partir de los actores, sus posibilidades tecnológicas - económicas, y ensayos de sistemas de participación consensuados. Los gastos infraestructurales que debe pagar toda la población por la mala conectividad del centro - periferia no siempre son extensión de buena calidad de vida.

Del Marco Teórico a los Objetivos Generales y Particulares del Trabajo La Periferia "desborde" es de "Acumulación" (perímetro del Sector), y la "Externa Urbano ", del "borde" sectorial. Reconceptualizándola, enunciarnos Objetivos:

Identificar y seleccionar variables de proyecto para "áreas de desborde o bordes urbanos"; determinar la "naturaleza" de intervenciones de refundación y regeneración; establecer los Límites del Proyecto como movilizador de situaciones ambientales; armar Cuadros de Intenciones para el

Proyecto de consolidación; hipotetizar ocupaciones y usos en desbordes del cerro; ensayar sobre situaciones ambientales degradadas y carentes de proyecto.

Hipótesis de trabajo en los DESBORDES del Cerro Cordillera

Enunciamos: Regeneración tipológica y urbana construyendo elementos identitarios físicos; Cambio de uso, significado y rol urbano en fronteras interno-externas; Procesos de movilidad cultural, laboral y ambiental en "BORDE"; Ciudadanía con construcción colectiva de la dimensión física del modo de vida.

Conclusiones de Lectura Urbana como verificación de la realidad

El proyecto es "Emergente", creando todo, por falta de instituciones comunitarias para proyectos comunes socio-culturales y laborales (escepticismo reinante). Las herramientas de Proyecto son diferentes al surgir de situaciones de hecho con indagación en sistemas lingüísticos derivados de procesos pluralistas y participativos (la síntesis Proyectual tener un sentido ético de construcción colectiva del Proyecto).

Problemas - Temas a resolver en el Proyecto Urbano

Ponemos acento sobre los Problemas - Temas: Mirada Turística Cultural, ya que Valparaíso define una estrategia de Capital Cultural, sin embargo sabemos que cada cerro tendrá su particularidad por la importancia histórica y morfológica de cada uno de los cerros.

Diagnóstico y estrategia

Lo estanco e involutivo, el sentido de "DESBORDE" extendido; presiones, formas de vida y aspiraciones de los "actores" son más notorios que en el plan. El tejido absorbido por la ciudad pobre, socio-culturalmente apenas más arriba, de traza especulativa ahoga, limita y auto-protege. Vías, "escaleras de fuertes pendientes", caminos de tierra, pasos peatonales a medio hacer o a medio arreglar impuestos son barreras-divisiones protectoras del grupo asentado y a la vez, de grupos colindantes.

Los ascensores existentes sin duda son una herramienta para consolidar la trama y evitar la condición de desborde, es por esto que la Oficina de Gestión Patrimonial ha gestionado en conjunto con el PRDUV la prioridad de recuperar los ascensores de Valparaíso, a esto se suma también la Gestión que se ha hecho por recuperar el Monumento Histórico Centro Cultural Lord Cochrane, dentro de la recualificación de su uso, a través de Cafetería Panorámica y un Salón Multiuso, además de la Restauración del Inmueble, es así como de apoco se ha pensado en proyectos estratégicos que darán conectividad y la re-cualificarán la trama urbana.

Objetivos e Hipótesis específicos y Nuevo Cuadro de Valores propuesto para el Proyecto

Nos proponemos: Releer el fenómeno como tejido orgánico Urbano; "Regenerar" espacios espontáneos, sociales e individuales, " oferta" para los vacíos; Apertura paulatina de las barreras. El Cuadro contiene: Gestión de Participación; "Concientización"; Reivindicación; Participación; Pluralidad: Reinterpretación de los espacios sociales e individuales; Educación; Capacitación; Producción y Trabajo:

Accesibilidad: Manejo de Recursos geográfico-territoriales: Habitabilidad/Territorialidad: Identidad / Forma física reconocible: Innovación tecnológica / Innovación social.

Etapas de abordaje de las Problemáticas

Las mismas son tres: -Etapa Programática: Técnicas de análisis y participación - Estudio de aspectos normativos-legales y de planificación en acto. -Etapa de Proyecto:

Ideación desde lo Estratégico, con verificación de hipótesis en lo específico. -Etapa de Gestión: Modos de implementación de la estrategia y los proyectos, con aspectos ligados a la comunidad, la ciudad, el control y las evaluaciones posteriores.

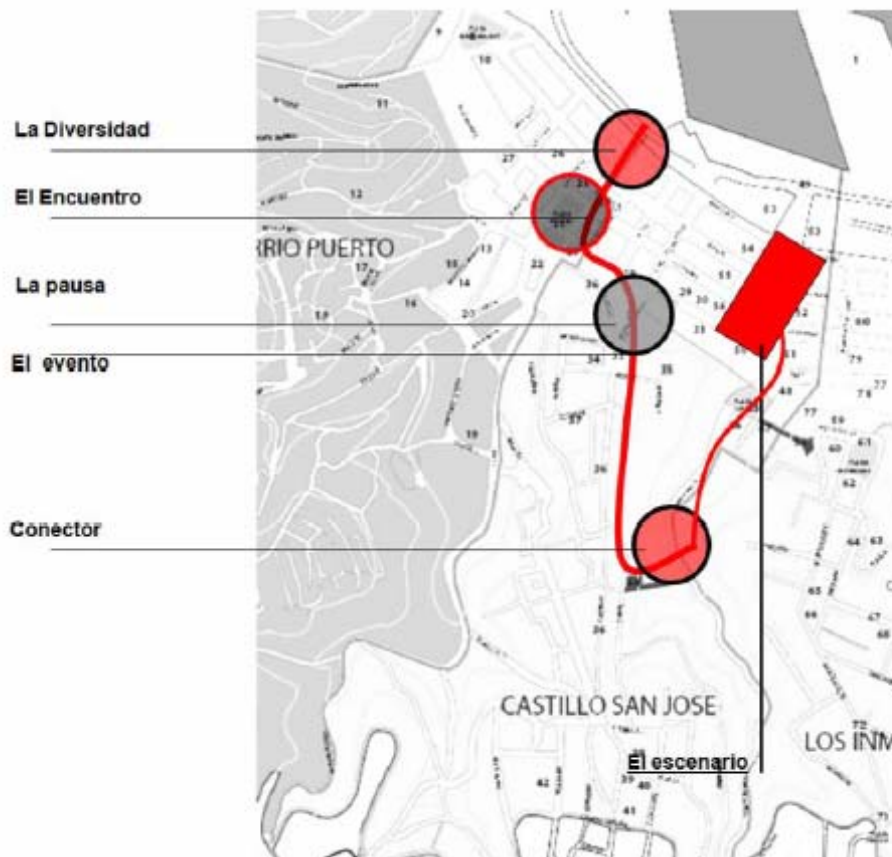
Ideario del proyecto:

-Caída gradual de las "barreras" ó límites físicos (intercambio y dignidad- "ofrecer para atraer". - Nuevos límites con productividad, formación - capacitación, esparcimiento y acercamiento social y comunitario. -Apertura de las situaciones de "fronteras" disponiendo servicios y áreas productivas en los bordes para el encuentro de los sujetos sociales contrapuestos y el intercambio de capacidades (mesa de trabajo, oficios, artesanado, huertas, pequeños comercios).-Localización de Equipamientos de las áreas de participación, Capacitación y recreación .

Reafirmación de la identidad

La potencialidad de la organización y la cohesión social; y los tres grandes vacíos en el área: la plaza y vivienda abandonada o en evidente mal estado y ascensores que no funcionan, estos pueden compensar las "barreras". Transformar la "el nodo de articulación vial, plaza Eleuterio Ramírez"" en un Centro Programático y temático, alargue de la horizontalidad que se desprende del Museo Lord Cochrane, permitiría contener en su cercado un Centro de intercambio cultural, como "digestor urbano". El ascensor San Agustín rodeado de asentamiento habitacional como un nuevo núcleo dentro de la trama que sea sin duda un elemento que revitalice el sector, conectando lo recreativo, al comportamiento y al hábito. La presencia de plazas-puertas, plazascanchas, plazas-servicios, pautarían los recorridos.

Actividades de Esparcimiento y Contención Juvenil, a reiniciarse en el Polideportivo, se completan en otros lugares del Barrio con líneas de espacios recreativos al aire libre, continuando la Plaza-Cancha existente, y frente al ascensor San Agustín un espacio liberado, proyectado , donde se puedan inscribir plano tierra de comercio y segundos pisos comerciales, todo esto para generar un nuevo polo de atención , en el cual se conforme el circuito turístico cultural que tiene como idea la Oficina de Gestión Patrimonial.



Plan de gestión Turístico-Cultural de Cerro Cordillera , Oficina de Gestión Patrimonial

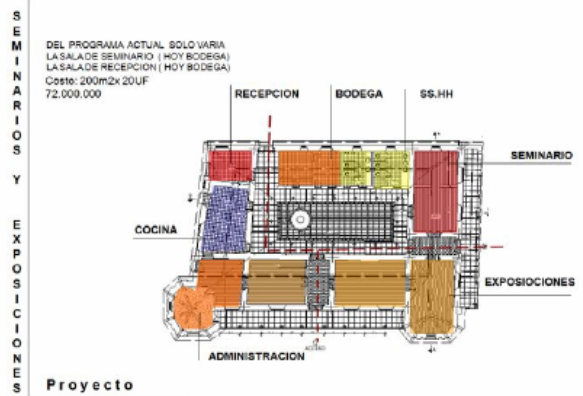
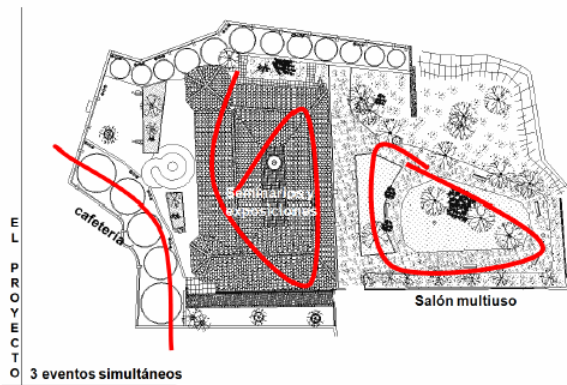
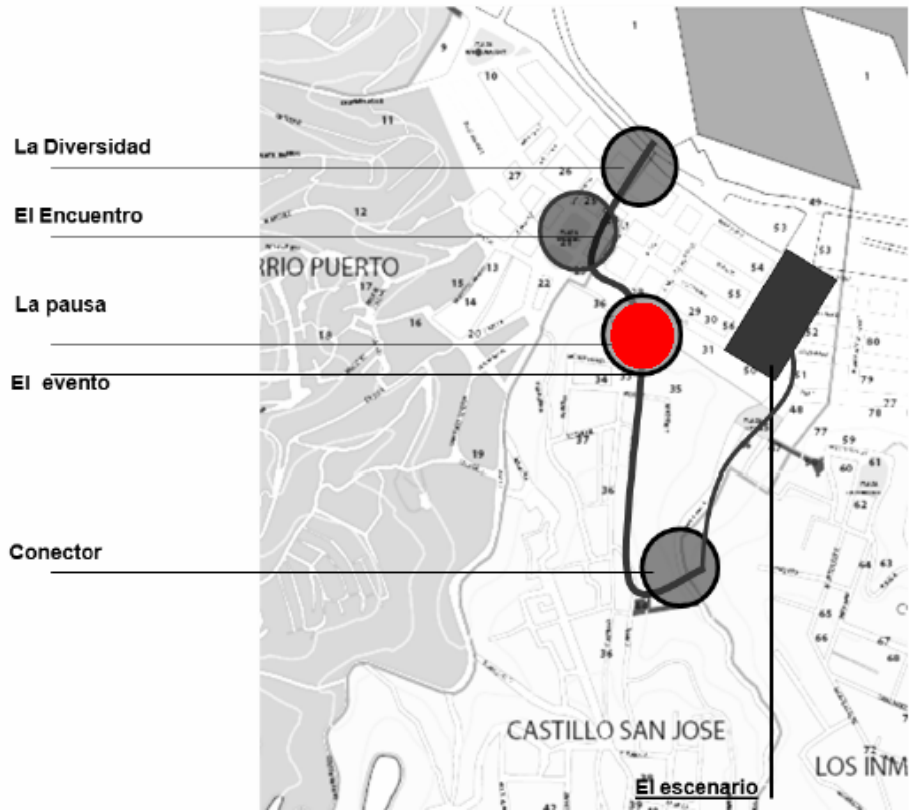
El Programa Arquitectónico y Urbano comprende:

Para Viviendas: saneamiento; construcción de un "nuevo paisaje" (escalas abiertas y escasa altura); viviendas bi-familiares o poligeneracionales (innovación tipológica).

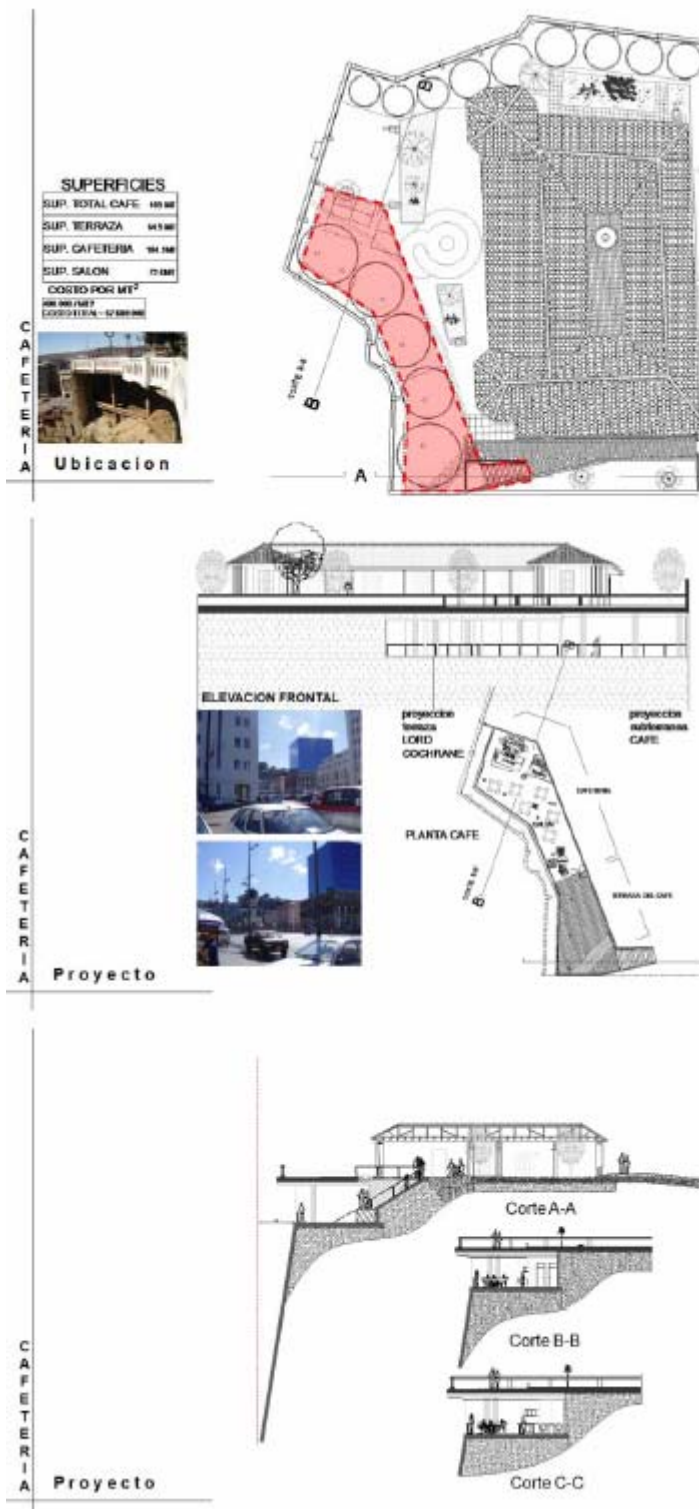
Para Instituciones: espacios comunitarios y recreativos para la expresión local, unidades productivas familiares; instituciones sociales- productivas /educacionales.

Para el Comercio: carácter especial -expresión artística Estos Sub-proyectos son la continuación de experiencias de proyectos que consolidaran la zona.

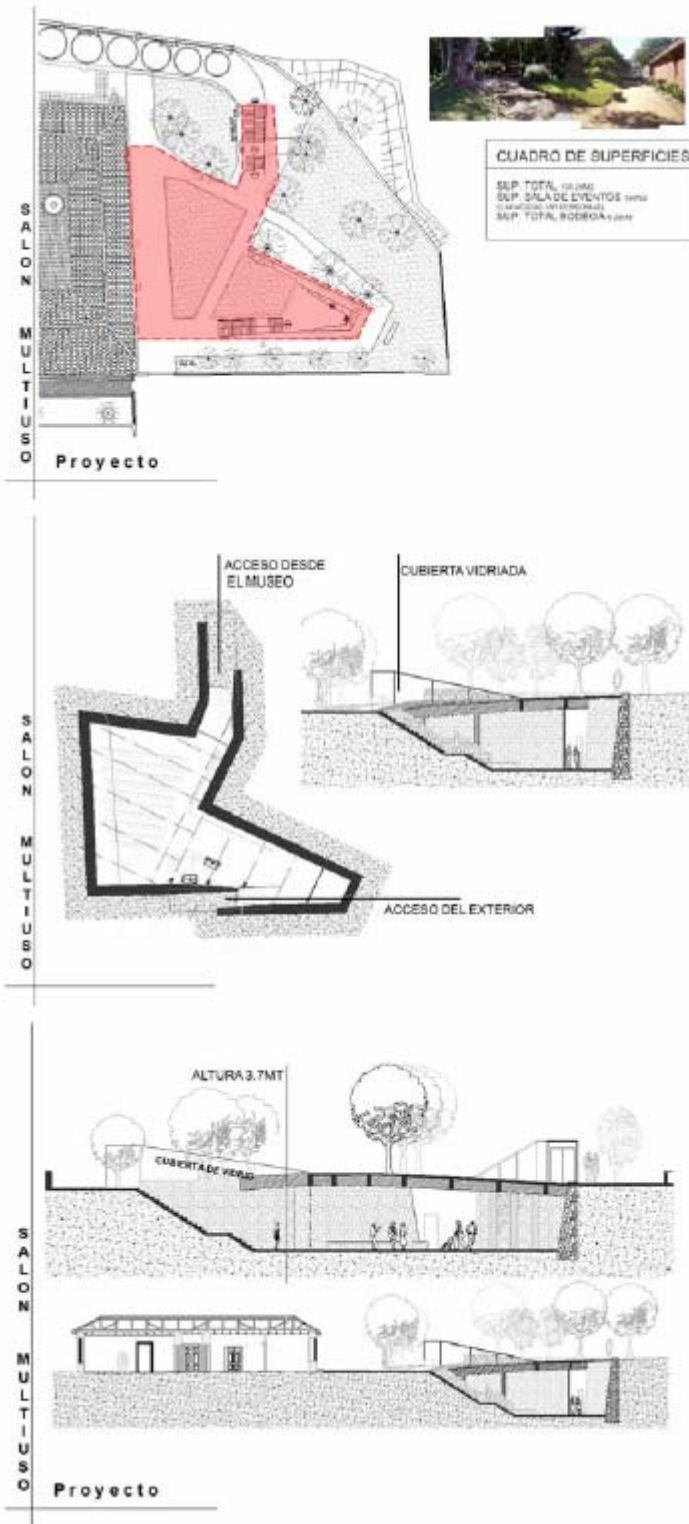
1. Proyecto Centro Cultural Museo Lord Cochrane



1.1 restauracion de la Casa Museo (Monumento nacional, categoría Monumento histórico)

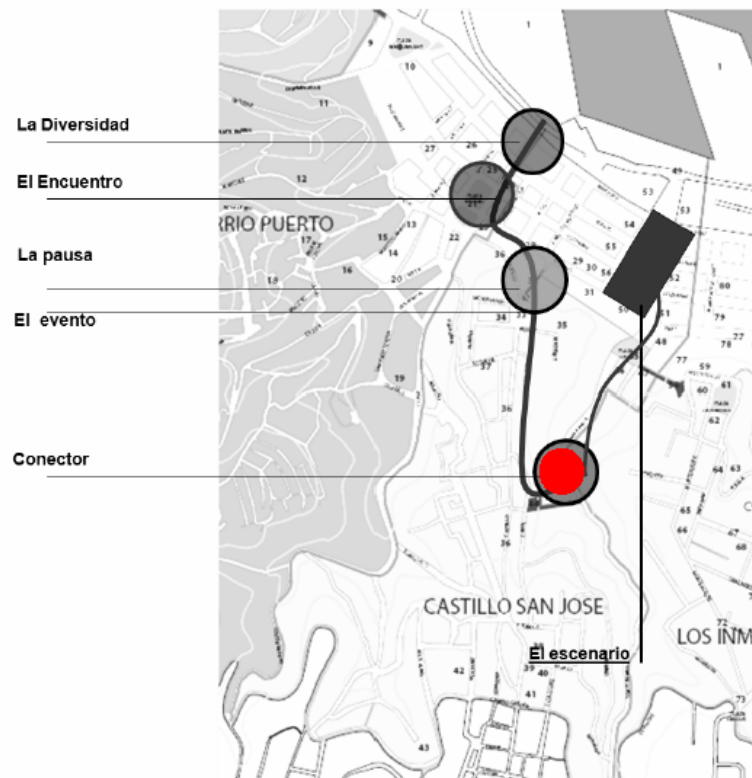


1.2 Proyecto de Cafetería Panorámica, como punto de pausa dentro del recorrido, con un programa de soporte.

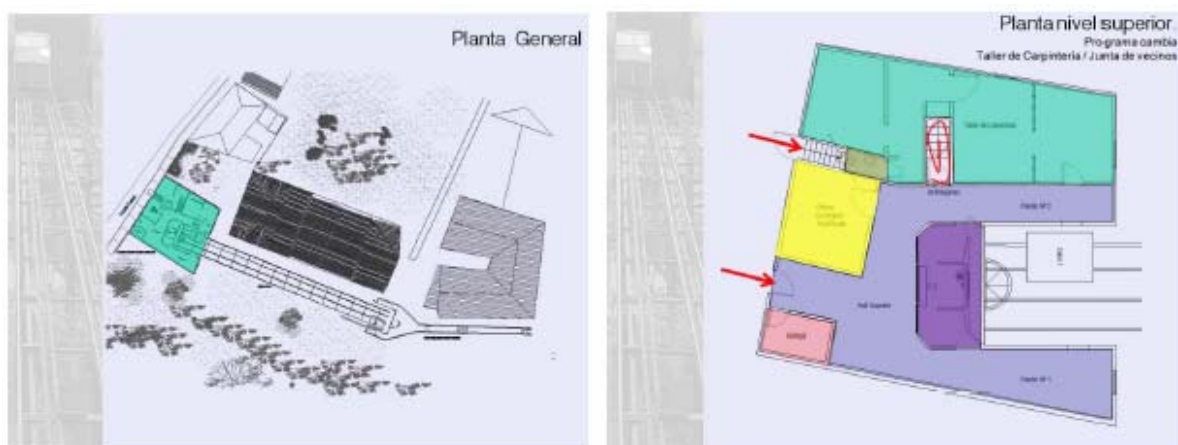


1.3-Proyecto de Salón Multiuso, para diversas actividades de carácter Artístico Cultural.

2. Rehabilitación Integral Ascensor San Agustín

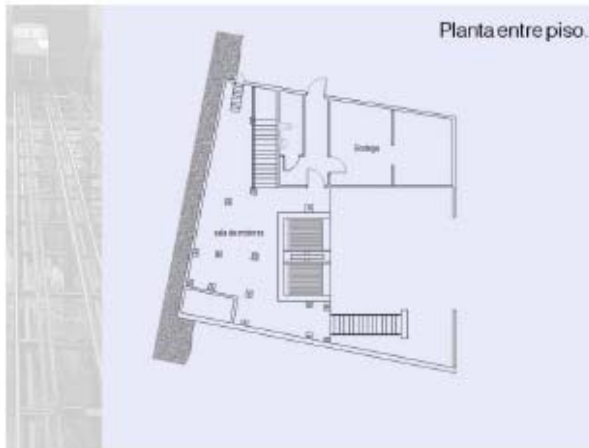


Desde el año 2005 para la gestión actual de la Municipalidad de Valparaíso es imprescindible la recuperación de todos los ascensores Monumentos Históricos de Valparaíso, para ello se implementó una mesa técnica de Ascensores, en las que ya se ha empezado a ejecutar la etapa eléctrica mecánica, aprobada por el Consejo de Monumentos Nacionales y proyectada por la Oficina de gestión Patrimonial. Se pretende el año 2009 terminar los proyectos de arquitectura, también aprobados por el Consejo de Monumentos Nacionales.



2.1 Cambio programático Planta Tierra.

La necesidad de asociar un bien Municipal a las personas que habitan el lugar es imprescindible para la sustentabilidad de esta. La Municipalidad de Valparaíso carece de espacios para la cultura y expresiones artísticas, es por eso que estos espacios se concesionaran a talleres de arte, manualidades o musicales, para la conservación de este y para su autorregulación.

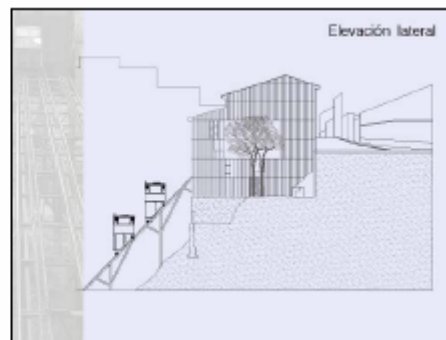
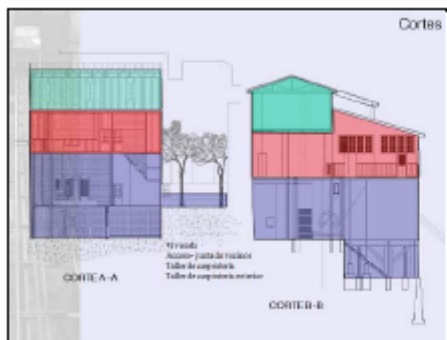


2.2 Cambio programático Planta -1.

La red de Ascensores de Valparaíso son un Museo In Situ en sí mismos, por lo que es necesario mostrarlos a la ciudadanía como un espacio cultural, ya que es así como se entiende que Valparaíso fue un polo de Investigación e Innovación, ya que esta red es uno de los elementos de transporte más valorado por turistas, académicos y comunidad.



2.3 Cambio programático Planta -2.



El ascensor San Agustín tiene como característica particular que es un ascensor que muestra en su real magnitud toda su altura, con 4 plantas que se muestran a la ciudad. Por lo tanto creemos, como Oficina de Gestión Patrimonial que debiese tener un programa que se descuelgue de este hacia el espacio público adueñándose de todo el plano inclinado. Es una manera también de generar esta centro que es de interés público, logrando el reconocimiento de este, desde todas sus dimensiones.

metodologia “MAR-VASTO” Y OGP, Ilustre Municipalidad de Valparaiso

Costruzione di un inventario urbano

1. Fattore ambientale (Natural risk factors) – Identificazione dei differenti rischi ambientali (frane, rischio idrogeologico, incendi, discariche abusive, ecc.) legati alla conformazione naturale del sito e loro messa in sicurezza.
2. Patrimonio architettonico ed urbanistico locale (Alteration of the built fabric, urban environment open spaces and visual integrity) – Identificazione dei differenti tipi di patrimonio costruito che formano la struttura portante del tessuto urbano e le loro alterazioni in funzione di una visione integrata di ambiente costruito come valore (edifici, tessuti urbani, spazi aperti, strade)
3. Il sistema dei monumenti (Deterioration of monuments) – Identificazione del sistema dei monumenti (singoli edifici, complessi, spazi aperti, altro) e loro alterazioni. Per esempio il sistema delle chiese formato di diverse tipologie, costruite con materiali e sistemi differenti, ecc.
4. Il sistema degli accessi e della mobilità (Traffic, access and circulation) – Identificazione dei differenti tipi di accesso e circolazione interna al sistema urbano (mobilità locale “lenta” e mobilità esterna “veloce”)

Il sistema delle regole

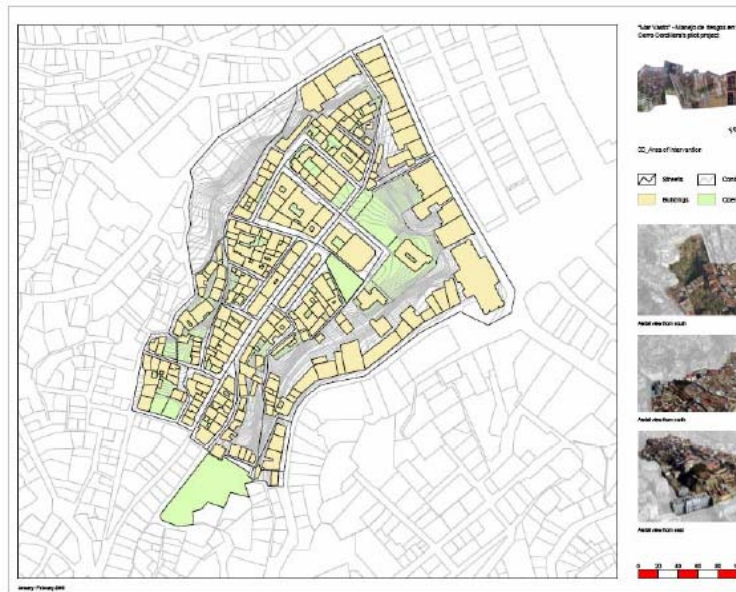
5. Regole di intervento (Planning, governance and management processes) - Costruzione in accordo con il Piano Regolatore Generale della città e con la normativa esistente di una serie di regole per la salvaguardia del patrimonio architettonico ed urbanistico locale (punto 2).
Identificazione di una serie di programmi per la valorizzazione dei differenti tipi di patrimonio costruito (punto 1, 2 e 3). Identificazione di una serie di progetti urbani a supporto delle azioni individuate dai programmi. In questa fase vi deve essere una stretta collaborazione tra la pianificazione locale, le strategie dei programmi e i progetti.

Azioni di supporto

6. Azioni di supporto alla conservazione e miglioramento del tessuto urbano residenziale e commerciale (Action to support the conservation of the residential and commercial buildings – Identificazione di una serie di azioni dedicate al recupero e al consolidamento del tessuto urbano e sociale che formano l’immagine architettonica ed urbanistica per la città di Valparaiso. Realizzazione di una serie di manuali per la riabilitazione degli edifici (punto 2). Valorizzazione delle tecniche costruttive locali finalizzate al recupero degli edifici (punto 2).
7. Azioni di supporto alla conservazione del sistema (sistemi) dei monumenti.
8. Iniziative culturali di supporto (Initiatives to support cultural activities) – Identificazione di una serie di programmi culturali, a differenti livelli, per la divulgazione e la diffusione dei concetti riferiti al valore del patrimonio architettonico ed urbanistico; mostre locali o a livello di quartiere, convegni, ricerche universitarie, pubblicazioni, ecc.
9. Politiche di integrazione sostenibile della risorsa turismo (Tourism management) – Quali tipi di turismo? Il turismo internazionale, quello locale, il turismo dei tour operato, ecc.
10. Meccanismi di finanziamento per i programmi

CONSTRUCCIÓN DE UN INVENTARIO URBANO

Catastro de un sector acotado del Cerro Cordillera, como metodología de inventario urbano en Valparaíso.

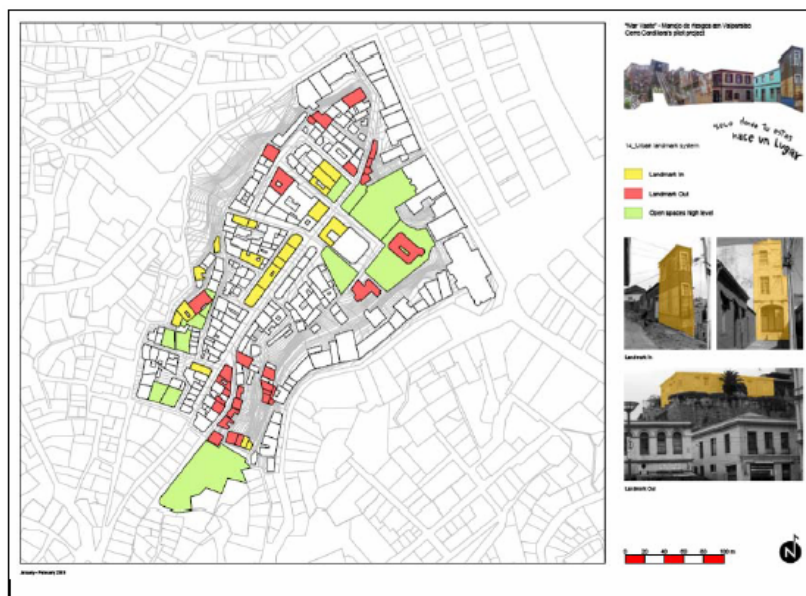


1. El factor climático (los factores de riesgo naturales) - identificación de los diversos riesgos climáticos (los derrumbamientos, riesgo del hidrogeológico, los fuegos, los botes de la basura ilícitos, etc) las herencias a la conformación natural de situado y ponen en emergencia.

- a) Riesgos
- b) Conformación natural

2. Patrimonio arquitectónico y urbano local (alteración del tejido construido, medio ambiente urbano y los espacios abiertos integridad visual) - Identificación de los diferentes tipos de patrimonio arquitectónico que forman la columna vertebral del tejido urbano y sus cambios están relacionados con una visión integrada del entorno construido como valor (edificios, tejido urbano, los espacios abiertos, carreteras).

- a) patrimonio Arquitectonico





Edificios relevantes que den una cualificación especial al lugar.

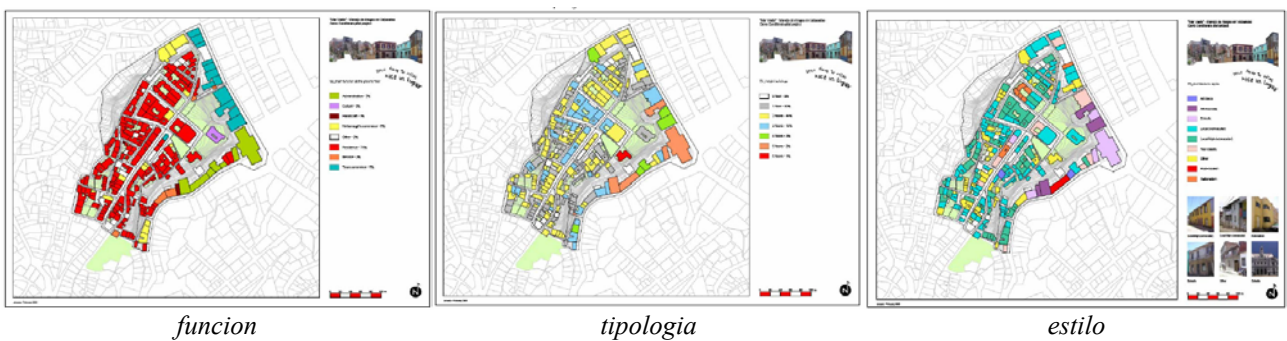
-Construcción de un espacio Horizontal.

-Construcción del reconocimiento de lo lejano

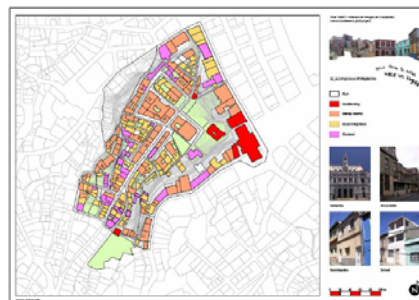
Esta cualificación es importante desde el punto de vista urbanístico para la aplicación del valor en el espacio urbano, como estrategia a seguir en el espacio público que genera la envolvente.

b) Patrimonio Urbano Local

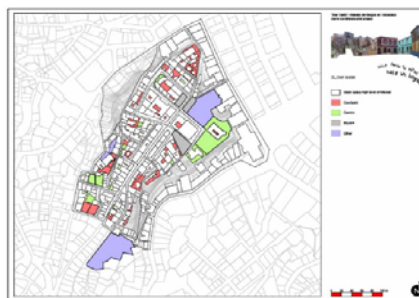
b1) edificios



b2) tejido urbano



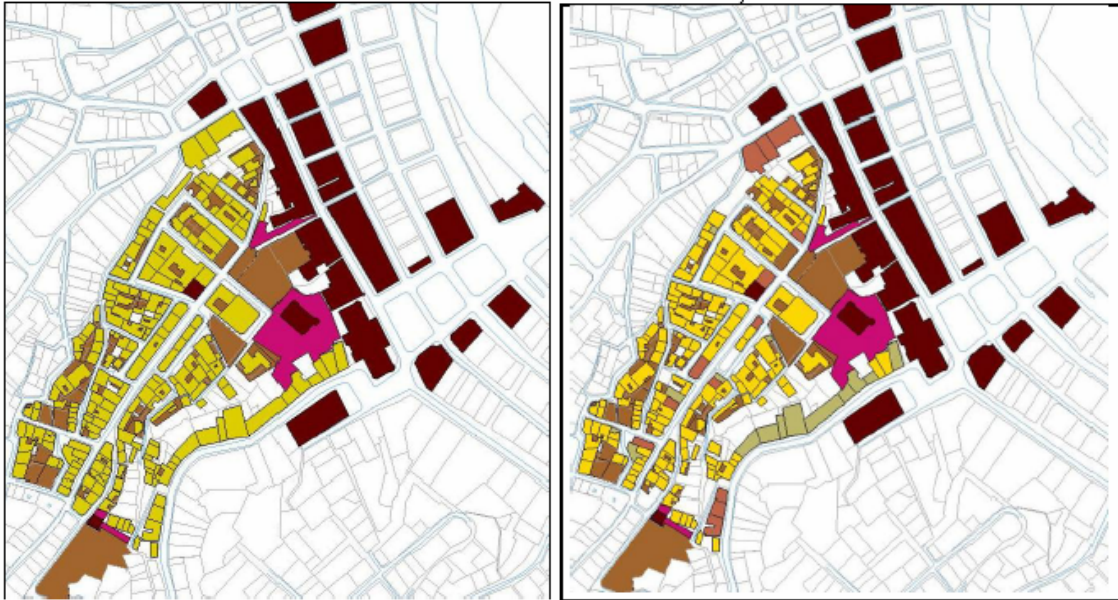
b3) espacios abiertos



No dentro de una concepción de espacio público sino como zonas o áreas de oportunidad, para la extensión de un proyecto de consolidación.

3. El sistema de monumentos (El deterioro de los monumentos) - Sistema de Identificación de monumentos (edificios, complejos, los espacios abiertos, etc) y sus alteraciones. Por ejemplo, el sistema de las iglesias formato de diversos tipos, construidas con diferentes materiales y sistemas, etc.

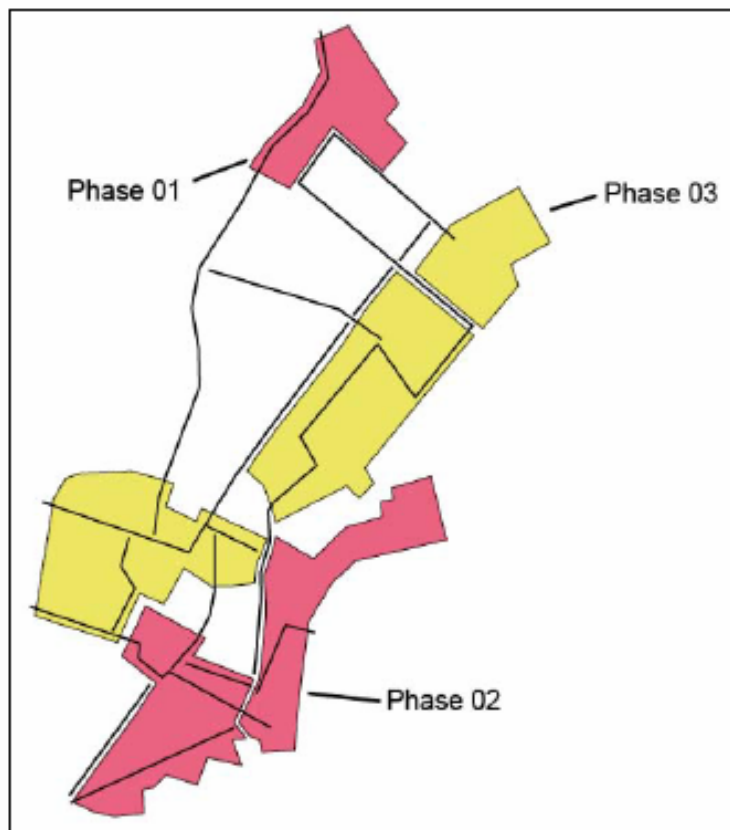
a) Monumentos



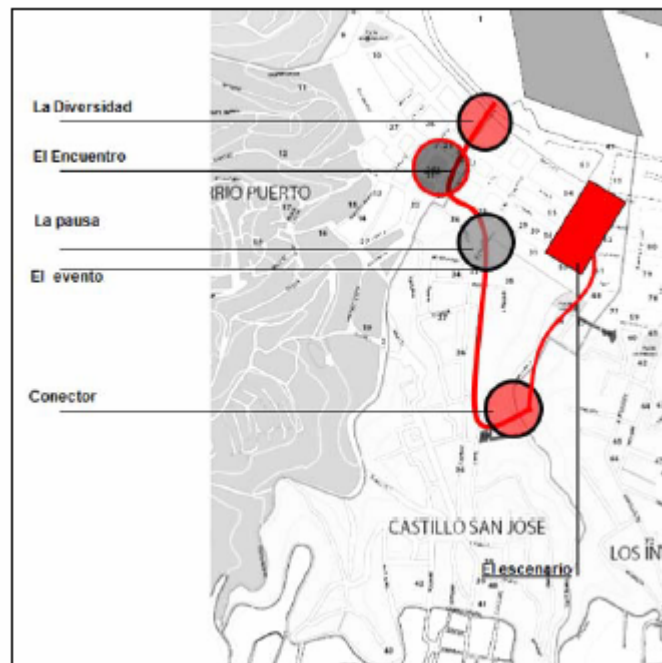
identificacion

tejido de relaciones en donde estan insertos

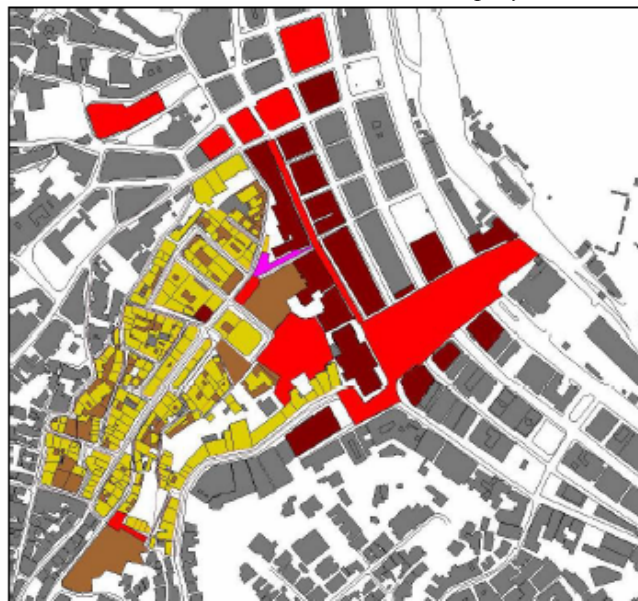
b) Zonas de Proyeccion de Estrategia Proyecto “MAR VASTO”



c) Plan estratégico OGP



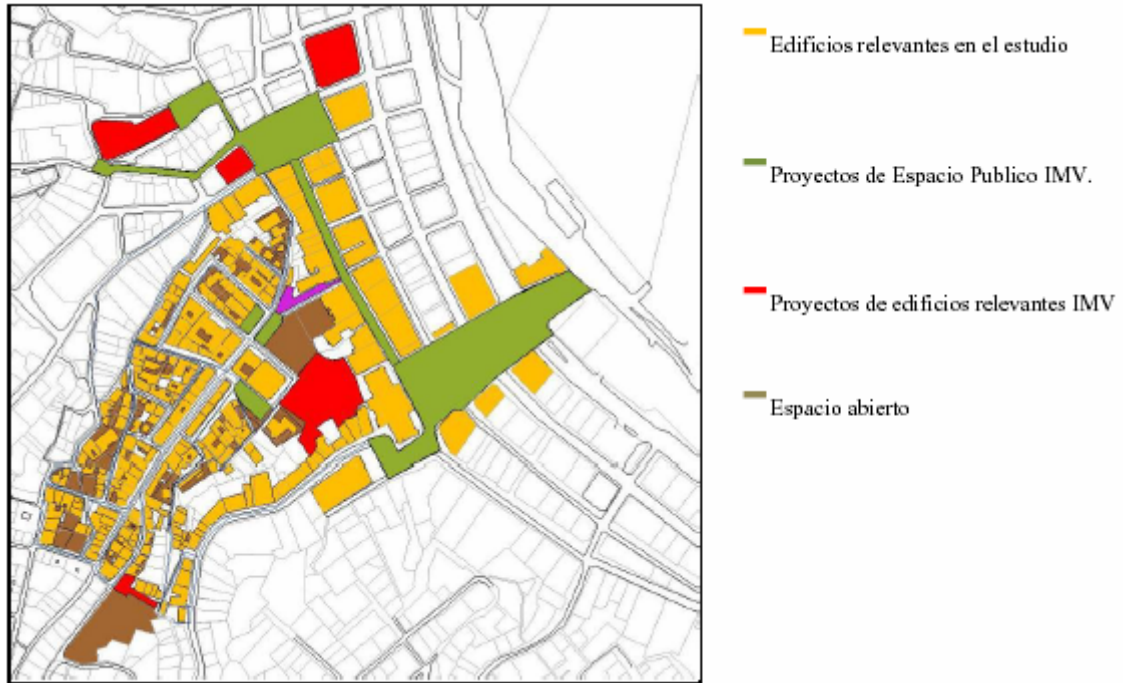
Presentación de proyecto estratégico del Cerro Cordillera.



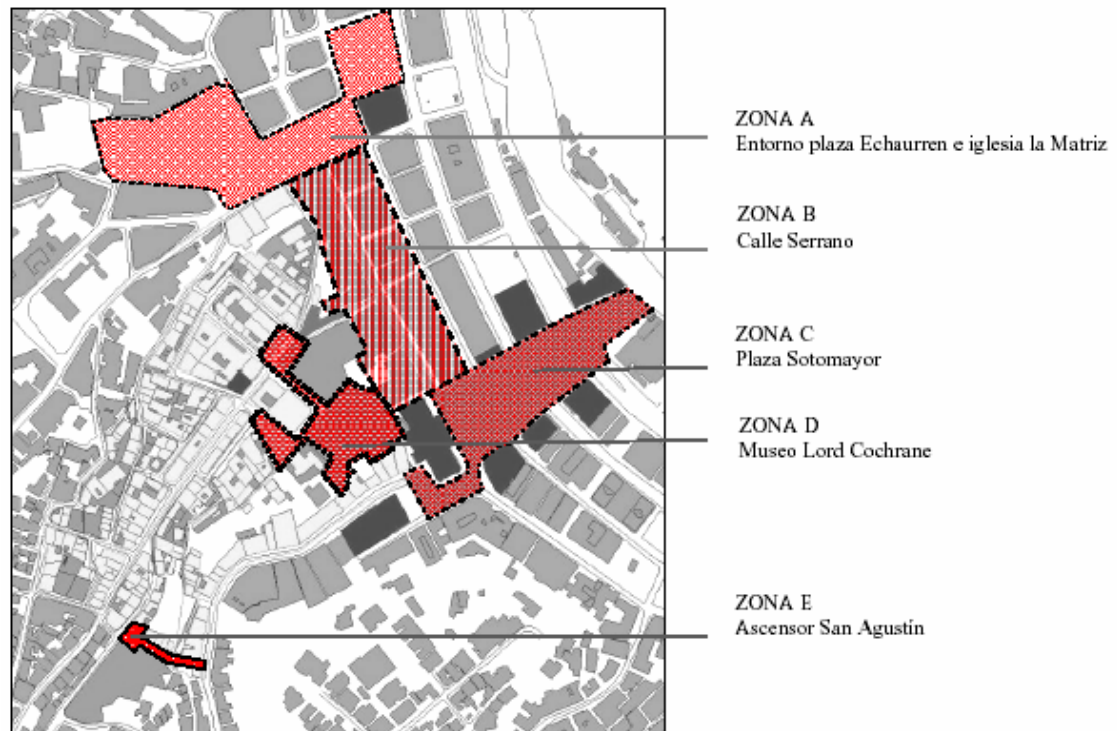
- Edificios Catastrados
- Edificios Relevantes
- Proyectos estratégicos OGP Interés público

- 1 Mercado Puerto**
Proyecto de remodelación
- 2 Iglesia La Matriz**
Proyecto de Restauración
- 3 Plaza Echaurren**
Proyecto de pavimentación y heroseamiento
- 4 Edificio "Liberty"**
Adquisición
- 5 Calle Serrano**
Pavimentación y gestión de Inversión Inmobiliaria
- 6 Plaza Sotomayor**
Concurso Público Internacional de remodelación
- 7 Museo Lord Cochrane**
Proyecto de Restauración y Rehabilitación
- 8 Centro Vecinal**
Proyecto de remodelación
- 9 Plaza Eleuterio Ramírez**
Proyecto de Remodelación
- 10 Ascensor San Agustín**
Proyecto de Habilitación, Restauración y arquitectura

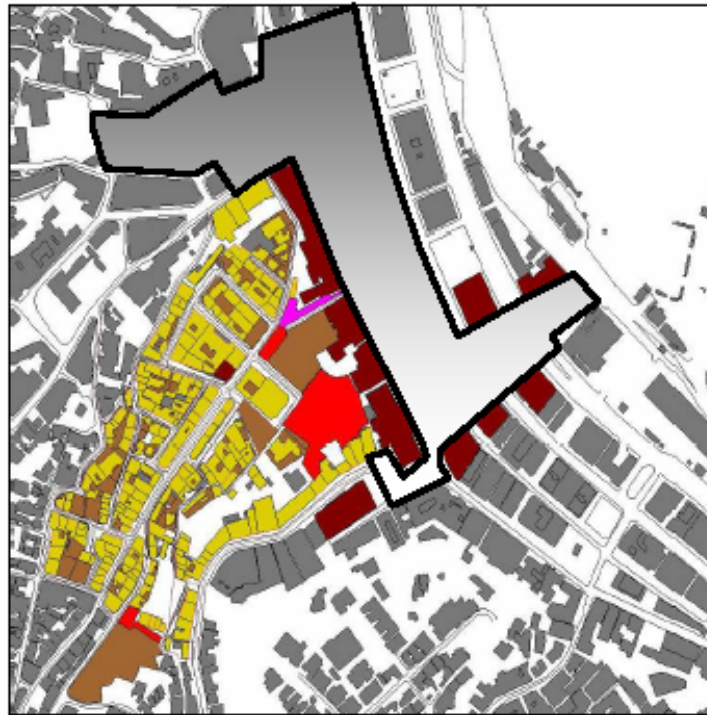
Proyectos de edificios relevantes



Presentacion de proyectos como ZONAS estrategicas



Analisis de estrategia en la Zona



La concentración de proyectos en el plan de la ciudad, sin duda fortalece la conectividad en la horizontalidad histórica del plan de la ciudad, sin embargo carece de apoyos dentro de la conectividad vertical, que es la que enlaza Plan-Cerro.

Sin embargo es necesario destacar que existe este nodo articulador de Plan - Cerro.

- Plaza Sotomayor
- Plaza Echaurren

Solo falta el nodo conector:

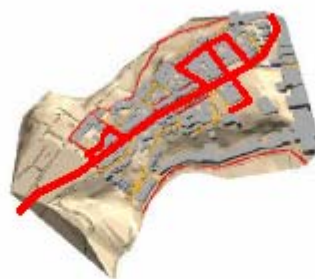
- Calle Tomas Ramos
- Calle Cajilla.

Luego un centro nucleado en la parte alta del cerro Cordillera. Falta la Horizontalidad del Cerro. Se hará pruebas morfológicas de accesibilidad, para la comprobación del lugar de pausa.

Esquemas de representacion de vialidad



- Debido al estudio morfológico, se puede verificar una sola calle conectora estructural desde plan a cerro.



- Las calles con posibilidad de acceso vehicular solo se pueden desprender de la principal.



- Los senderos peatonales, sin duda construyen la relación vertical, sin embargo son calles estrechas y sin ninguna mantención.

Esquemas de vialidad



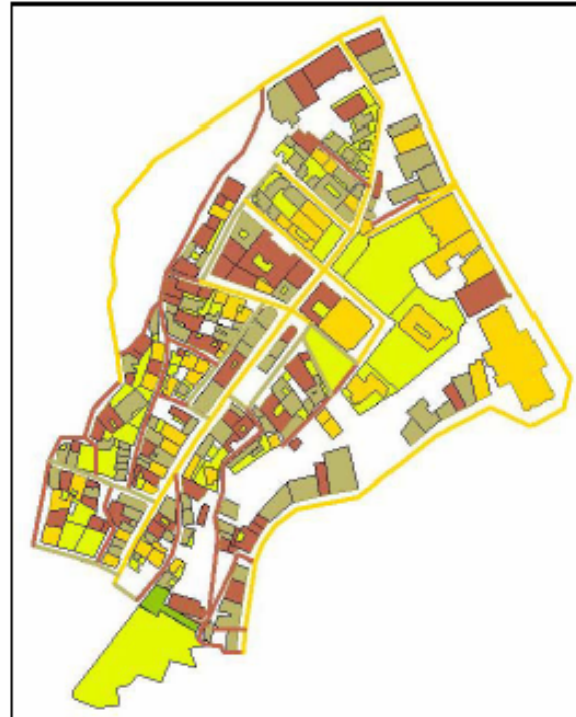
Relación de vialidad respecto a la arquitectura de lugar.

- Referentes internos del cerro
- Referentes externos del cerro

A través de una sola vía de acceso y estructurante entre plan y cerro, es importante entenderlo desde distintos puntos de vista, como por ejemplo, los referentes internos del cerro, de una arquitectura propia del lugar que se encuentra en esta vía.

Es una arquitectura que también define un lugar consolidado como 3 pasos.

- Morfología, relación de lugar consolidado.
- Vialidad, identificación del lugar a consolidar.
- Edificios, construcción de la consolidación
- Espacio Público, dimensión de la consolidación.
- Programa, relación de consolidación.



Calles.

- Calle en buen estado
- Calle en mal estado.
- Calle sin mantenimiento.

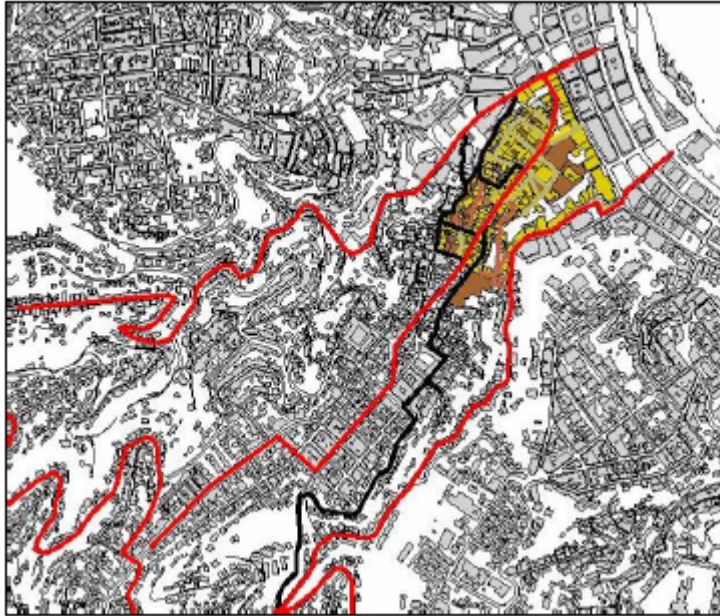
Construcción.

- En mal estado
- Buen estado
- estado normal de conservación

La relación entre estados de conservación en vías y en edificios sin duda actúa de forma simbiótica, es por eso que la inversión en la recuperación de calles sin duda llevara a la rehabilitación de todo un territorio.

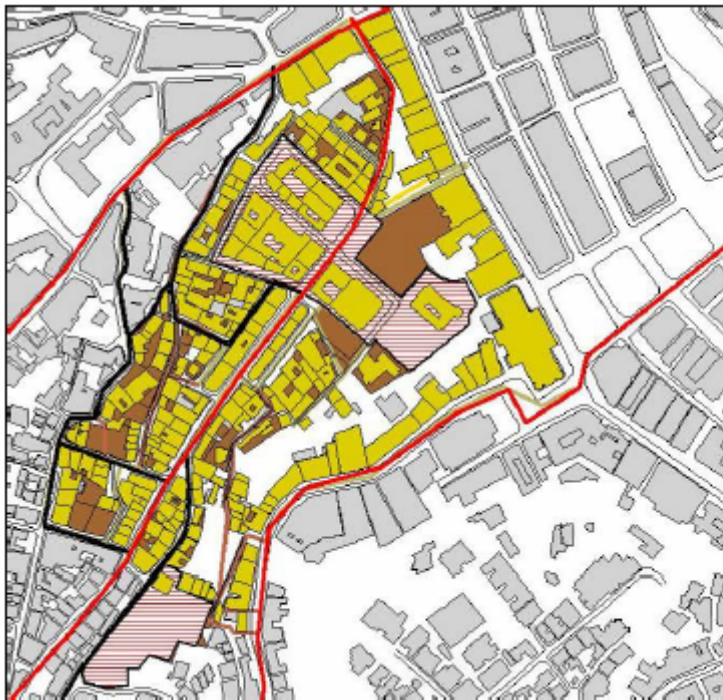
Es necesario el reconocimiento de una morfología de cerro, en este caso se reconoce una morfología pronunciada con una pequeña meseta de asentamiento, en el que se disponen hoy el espacio publico relevante de cerro.

Reconocimiento de una tipología



- calle estructural de borde y de cerro.
- calle estructural local (de conexión plan cerro)

Esquema de areas de consolidacion de meseta y espacio publico abierto



Esquema de consolidacion de meseta.

- Proyectos de truismo-cultural
- Residencia
- Espacio publico

Hipotesis:

la consolidacion de la meseta, como propuesta de desarrollo del Cerro Cordillera. A traves de un inventario urbano en donde se justificará una estrategia.

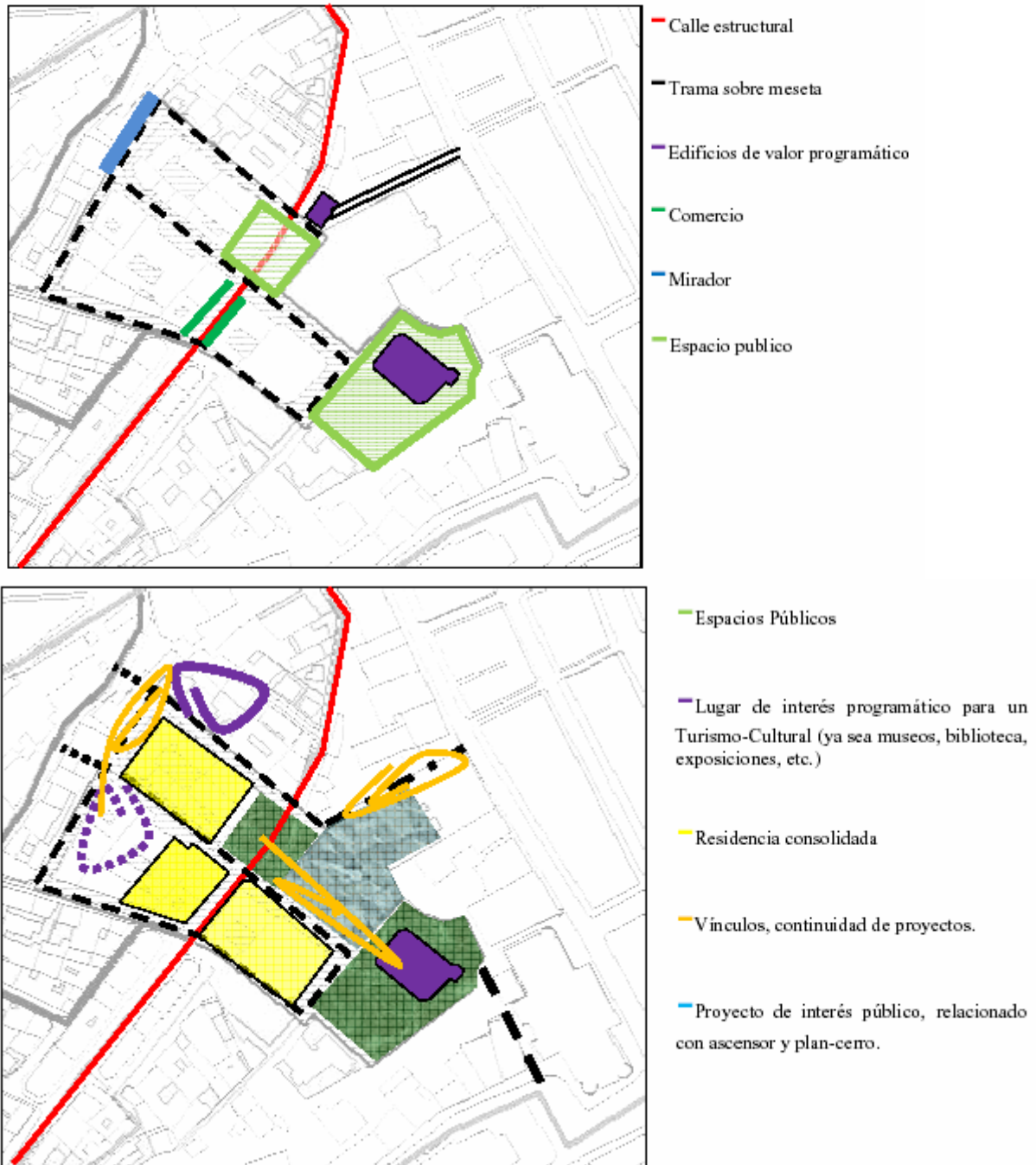
-justificacion de edificios de interes publico relacionado con el comercio local, dentro de una estrategia local.

A traves del inventario urbano, se debera presentar una estrategia de tipos de intervencion en donde se defina:

- a) Restauero;
- b) Rehabilitacion;
- c) Desarrollo de un Proyecto;
- d) Obra Nueva.

desarrollo de la hipótesis

Cuadro esquemático de los valores actuales del sector



Dentro de esta disposición es necesario el análisis de conectividad enfocado a polos de atracción, para generar la horizontalidad en el cerro, en el punto valorado como núcleo.

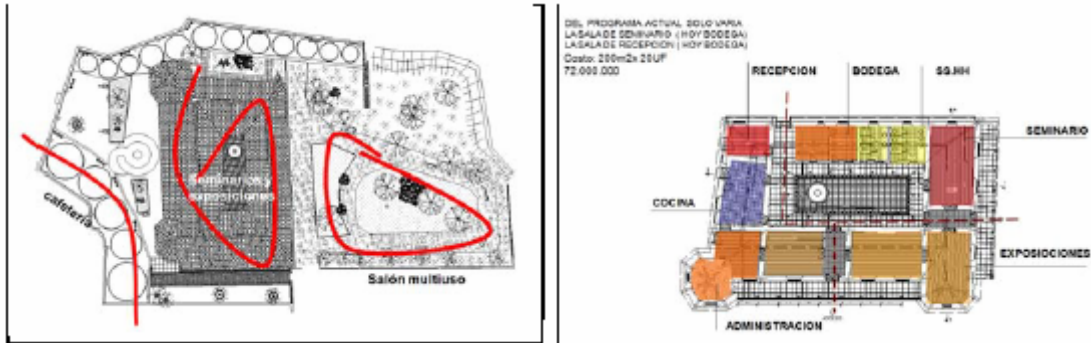
Desarrollo de la Hipotesis.

Identificación y propuesta de proyectos.

Edificios de interes Publico.

1. Centro Cultural Casa Museo Lord Cochrane.

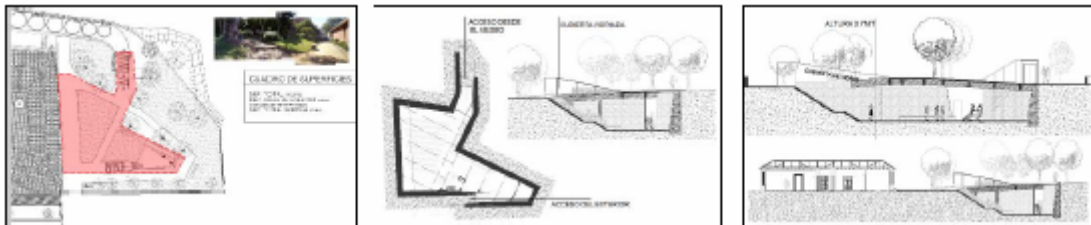
etapas de proyecto Centro Cultural Museo Lord Cochrane



1.1 restauracion de la Casa Museo (Monumento nacional, categoría Monumento histórica)



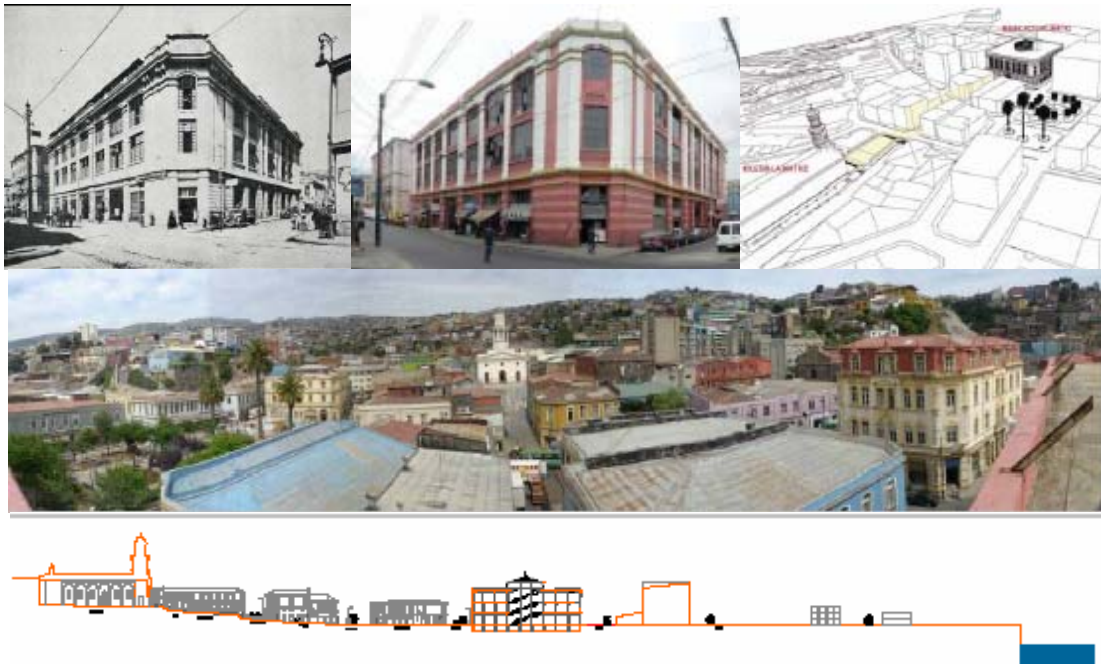
1.2 proyecto de Cafetería Panorámica, como punto de pausa dentro del recorrido, con un programa de soporte



1.3 proyecto de Salón Multiuso, para diversas actividades de carácter Artístico Cultural.

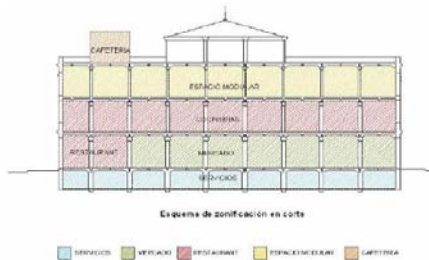
ZONA A

1. Mercado Puerto. Inmueble Publico de alto interes social.

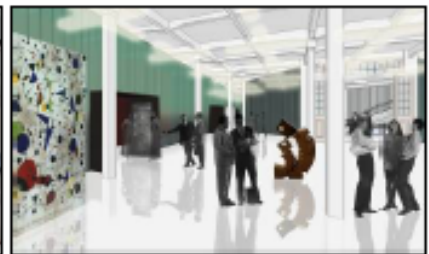


Consideraciones desde lo patrimonial

Relacion de alturas Urbanas y Vistas entre mercado e Iglesia La Matriz a traves de calle Santo Domingo. El teatro Pacifico, remate de este eje, obstaculiza la relacion entre el Mercado y el Puerto.



*Situacion actual de la estructura del edificio - Esquema de planta y vista actual del tercer piso
Segun diagnostico estructural (informe SEREX julio 2006 y proyecto de estructura Leiva y Asociados) la estructura de este piso debera ser parcialmente reconstruida cñiendose a sus caracteristicas originales*



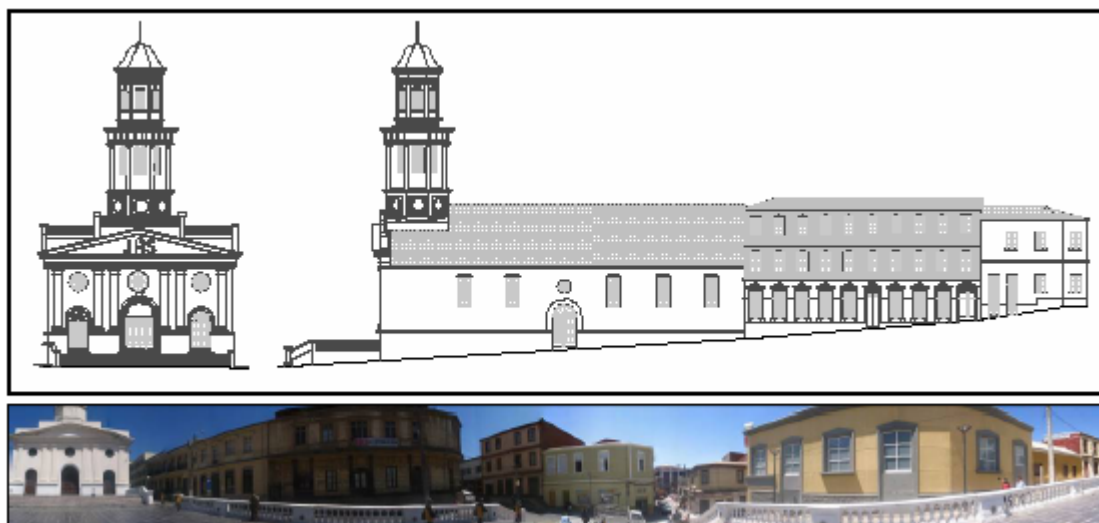
Imagenes objetivo del edificio.

Este proyecto se encuentra en las etapas finales de revision por parte del Consejo de Monumentos Nacionales, para luego hacer el llamado de especialidades y ejecucion.

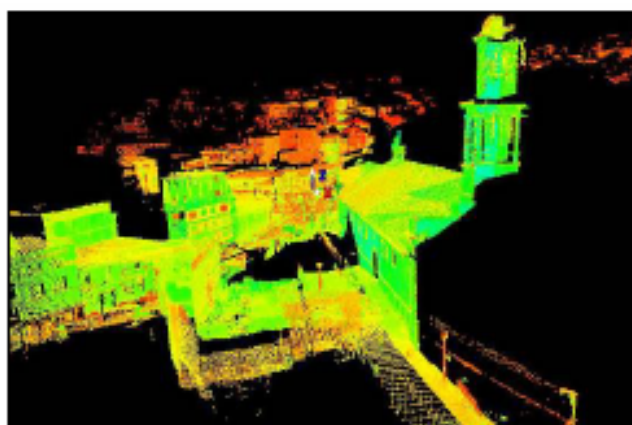
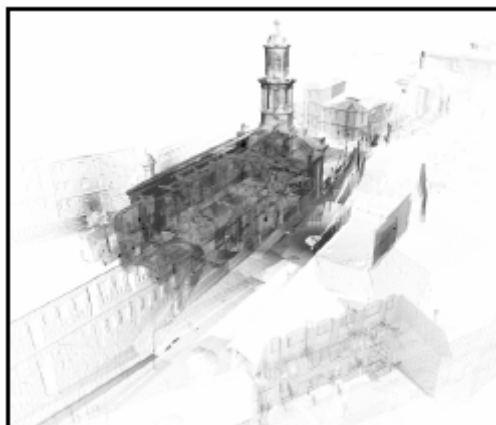
ZONA A

2. Iglesia La Matriz. Inmueble Privado de alto interes publico.

Programa de recuperacion y Desarrollo Urbano de Valparaiso.
Proyecto de restauracion integral de iglesia la Matriz.



Proyecto “MAR VASTO”
Estado de vulnerabilidad Iglesia “La Matriz”



ZONA A

3. Plaza Echaurren.

Espacio Publico de alta conotacion historica.

DISEÑO

El proyecto debe ser de líneas discretas apuntando a la puesta en valor del entorno construido. Se podrá incorporar, además, iluminación de las fachadas, siempre que ésta esté localizada en el espacio público. El proyecto debe considerar un número reducido de tipos de pavimentos para simplificar su diseño. Se deben mantener el máximo posible de los elementos existentes que se encuentren en buen estado.

En la Plaza Bustamante se eliminarán las jardineras existentes, y se incorporará en el diseño de piso el trazado original de la manzana.

PAISAJISMO

La sector no considera especies vegetales, salvo el árbol existente en la Plazuela Severín y pinos en Plaza Bustamante (a sugerir el cambio de especies).

MOBILARIO

El proyecto debe reconocer los elementos existentes del espacio que se encuentren en buen estado, como escaños, luminarias, basureros, etc., y combinarlos con la incorporación de mobiliario contemporáneo. El mobiliario debe generar mayores posibilidades de permanencia, inexistentes en la actualidad.

Basureros: Tipo Ovalo

Escaños: Tipo Plaza Intendencia

Cabinas telefónicas (sólo Plaza Bustamante)

ILUMINACION

La iluminación debe entregar seguridad y transparencia como sistema de control social, y debe aportar al diseño del espacio durante la noche. Se utilizarán dos sistemas de iluminación; uno para peatones (de baja altura) y otro para los vehículos (de mayor altura). Las fachadas que se consideren de valor podrán iluminarse suavemente desde la vía pública. Se pueden considerar focos a nivel de suelo en el lugar.

Luminarias:

Peatonales: Tipo Schreder – Alura

Vehiculares: Tipo Schreder – Sephia

Piso: Tipo Alura – Terra

PAVIMENTO

Se debe proponer un pavimento distinto para zonas peatonales y vehiculares, manteniendo el desnivel existente (excepto pasaje Matriz entre Bustamante y Cochrane), favoreciendo el desplazamiento de personas de movilidad reducida (discapacitados y tercera edad), y eliminando las barreras arquitectónicas. El color entre acera y calzada debe variar para ayudar a la diferenciación de usos.

Aceras: Palmetas Budnik Antideslizante Tipo Sevilla Amarilla (a proponer otra alternativa)

Calzadas: Adoquines grises (recuperar los existentes)

VIALIDAD

Se mantiene la situación existente, y se peatonaliza el pasaje matriz entre Bustamante y Cochrane.

ZONA A

4. Edificio Liberty.

Edificio Privado de alta importancia Urbana , adquirido por la Ilustre Municipalidad de Valparaiso.



La idea de adquirir inmuebles patrimoniales por parte de la Ilustre Municipalidad de Valparaiso, es el resguardo y protección de su valor histórico, siendo estos relevantes para la rehabilitación del Barrio Puerto, además de ser un frente importante que constituye la Plaza Echaurren.

Una inversión de 1.500 millones de pesos -financiados con el préstamo de 27.000 millones de pesos hecho por el Banco Interamericano de Desarrollo (BID)- realizó el municipio de Valparaíso para adquirir tres edificios patrimoniales del puerto.

Las construcciones adquiridas son el Subercaseux, uno de los más deteriorados por la explosión del 3 de febrero en calle Serrano; el Luis Cousiño, que es monumento nacional, y el inmueble en que funciona el Liberty, uno de los bares más tradicionales del puerto.

Paulina Kaplán, directora de la Oficina de Gestión Patrimonial (OGP), señaló que los tres inmuebles serán destinados a proyectos de carácter público y privado con el objetivo de potenciar la vocación turística y comercial del puerto.

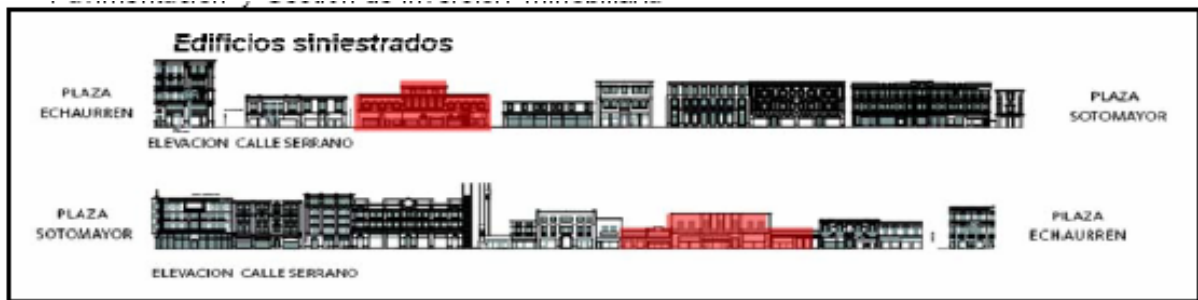
Para rehabilitar los inmuebles se invertirán entre 3.000 y 5.000 millones de pesos, todos provenientes del dinero que destinó el BID a la ciudad luego que fuera declarada Patrimonio de la Humanidad.

Las edificaciones, entre las que se encuentra una de las más afectadas por la explosión de febrero pasado en calle Serrano, serán destinadas a proyectos turístico-comerciales.

ZONA B

5. Calle Serrano.

Pavimentación y Gestión de Inversión Inmobiliaria



METODOLOGIA DE DIAGNOSTICO.

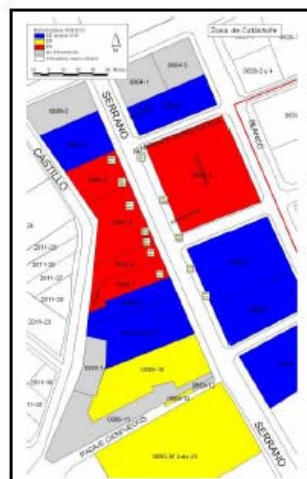
1.- Introducción.

2.- Definición de polígonos de acción.

1- Elaboración de guía de actuación en el patrimonio edificado dañado por catastro de de explosión.

Evaluación de daños del patrimonio edificado. Procedimientos y definición de categorías de daños:

- LD** levemente dañado (color verde). Sin daño estructural solo daños a decoraciones- vidrios.
- DP** Daño parcial en interiores - exteriores (color amarillo). No son daños estructurales, daños a tabiques interiores, instalaciones, pisos, descuadre y quiebre de piezas de puertas – ventanas, desprendimientos, fisuraciones.
- DPE** Daño parcial en interiores - exteriores (color amarillo).
- DPI** Daño parcial en interiores - exteriores (color amarillo).
- SD** Severamente dañado (Daños en los interiores y exteriores: color naranja). Son daños estructurales, grietas , fractura, quiebre de piezas estructurales.
- SDE** Severamente dañado (Daños en los exteriores - color naranja).
- SDI** Severamente dañado (Daños en los interiores - color naranja).
- ER** Estado ruinoso - colapso estructural (color rojo). Son daños en donde no existe vestigio alguno del edificio, o solo es muy parcial como cimientos.
- ERI** estado ruinoso interior
- ERX** estado ruinoso exterior
- DE** daño estructural. Son daños en donde existe colapso estructural de los elementos como cimientos, muros, techumbre, cubierta, entrepisos.
- DEE** daño estructural exterior.
- DEI** daño estructural interior.



Situación anterior al 3 de febrero del 2007

Situación de catástrofe, por explosión de gas el día 3 de febrero del 2007



El sistema de acceso y la movilidad (tráfico, el acceso y la circulación)

- Identificación de los diferentes tipos de acceso y circulación dentro del sistema urbano (movilidad local "lento" y la movilidad "rápido")

a) vialidad

- Tipologías de conectividad

- Estado de conservación de la conectividad.

- Estrategia de sistema de conectividad pública.

Reglas de intervención (planificación, gestión pública y los procesos de gestión)

- La construcción de conformidad con el Plan General Gobernador de la ciudad y con la legislación vigente un conjunto de normas para la preservación del patrimonio arquitectónico y urbano local (apartado 2). La identificación de una serie de programas para el mejoramiento de los distintos tipos de patrimonio construido (párrafos 1, 2 y 3). La identificación de una serie de proyectos urbanos para apoyar las acciones identificadas por los programas. En esta fase debe haber una colaboración entre la planificación local, las estrategias de los programas y proyectos.

a) conformación final de la estrategia

ACCIONES DE APOYO

Medidas de apoyo a la conservación y la mejora de las zonas urbanas residenciales y comerciales

(Acción de apoyo a la conservación de los edificios residenciales y comerciales)

- La identificación de una serie de acciones dedicadas a la recuperación y la consolidación de la urbana y tejido social que forma la imagen arquitectónica y la planificación de la ciudad de Valparaíso.

ejecución de una serie de manuales para la rehabilitación de edificios (apartado 2).

Uso de técnicas de construcción local, encaminados a la recuperación de los edificios (apartado 2).

a) Proyecto de intervención de zonas urbanas.

b) Identificación de acciones destinadas a la recuperación y consolidación urbana

c) Conformación de un manual de técnicas de construcción local.

Medidas de apoyo a la conservación del sistema (sistemas) de los monumentos.

a) medidas de apoyo a la conservación de monumentos dentro del sistema urbano.

Apoyo a Iniciativas Culturales (Iniciativas para apoyar las actividades culturales)

- La identificación de una serie de programas culturales en los diferentes niveles para la divulgación y difusión de conceptos relacionados con el valor arquitectónico y de patrimonio urbano; exposiciones locales o de distrito, convenciones, universitarios de investigación, publicaciones, etc.

b) apoyo a iniciativas culturales.

Las políticas de integración de un turismo sostenible de recursos (Dirección de Empresas Turísticas)

- ¿Qué tipo de turismo? El turismo internacional, local, el turismo gira de trabajo, etc.

a) Enfoque directo, ¿qué tipo de turismo queremos para Valparaíso?

Regímenes de financiación para los programas.