1.

- PROGRAM REQUIREMENTS AND PRECAUTIONS

Programmatic Solutions: Town School

This project is part of the political consensus of the municipality of Santa Maria and the Cendra Foundation to improve the educational and social conditions of the communities, displaced by violence, and relate to the outside perimeter of the city, recognizing the existing levels of poverty and analphabetic.

The challenge to the architect is to attend to a context that has to develop projects that can generate social inclusion and the provision of new forms of use, ownership and pride in the communities, inside a sustainable public.

Open Architecture: The idea behind the design is to develop an open model, where the architects are charge of the design and development of the buildings in some predetermined areas, but in the others, the community is encouraged to participate in the design process.

Cognitive autonomy

The need for the intervention of the community and the participatory design process of the buildings will be essential in the process of generating social inclusion.

Multi-use architecture

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2.

- THE PRESCHOOL AS A MECHANISM OF SOCIAL INCLUSION

A New Architecture for Education: The Sustainable School

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3.

- JURISPRUDENCE OF THE URBAN INTEGRATION OF THE PROPOSAL

Jurisdictional Considerations: The Sustainable School

The building is conceived as a flexible structure, a landmark building, representing a symbol of the neighborhood, as a point of reference in the city. The building is composed of two parts: the school and the community center.

The school is a two-story building, with a green roof and a central courtyard, which can be used as a classroom or as an activity space for the community.

The community center is a single-story building, with a large open space for various activities, such as workshops, meetings, and social events.

The building can be easily adapted to meet the needs of the community, allowing for flexibility in the use of space.

4.

- JUSTIFICATION FOR THE ADOPTION OF ORGANIZATIONAL SOLUTIONS

Justifying the Adoption of Organizational Solutions

The System

Architectural decisions are made based on an understanding of the system and the interconnections between its components.

Adaptive Nucleus and System

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Sustainable Architecture: Principles and Applications

The project aims at sustainability on several ways to improve the urban context of the population, providing solutions for the future and present generations, trying to create social and ecological changes that will cover a development model for the surrounding population.

The project implements agriculture and productivity as a thematic complement to the development of educational activities. It is intended as an expressive idea, to give the community and the inhabitants the opportunity to be productive, for their own benefit. The agricultural project is a productive instrument based on the following principles:

- **Social Cohesion**: Ownership of the territory – Decrease in violence – Food security
- **Hydrological Component**: It optimizes the use of water by using rainwater harvesting, recycling rainwater and water for use in bathrooms, and Irrigation
- **Irrigation components**: Allows to place vertical materials from the evaporation and the construction phase of the production at the site.

These proposals were to reduce the times of the construction time and make the use of materials with natural processes as weather protection, capturing water, attracting and retaining.