CREATING AFFORDABLE HOUSING USING SHIPPING CONTAINERS

The Southside of Chicago is undergoing a real estate renaissance. Neighborhoods all around IIT are being redeveloped. New housing is being built and older housing is being renovated to accommodate the influx of people moving in these neighborhoods. Unfortunately, it is increasingly difficult for young people and families to afford housing in these areas due to the rising cost of housing. As a result, people are forced to relocate, leaving a cultural and economic void in the neighborhoods they once called home. In addition, these areas are becoming known for their high concentrations of low-income housing, which can lead to negative perceptions and stigmas.

Our Solution

The goal of IPRO Chicago is to design affordable housing for Chicago using shipping containers. We propose to utilize the structure inherent in the containers while mimicking the layout and appearance of “traditional” Chicago buildings.

CONCLUSION

The goal of IPRO Chicago is to design affordable housing for Chicago using shipping containers. Our solution involves creating typical floor plans for each unit, designing the kitchen, bedrooms, and living rooms to mimic the appearance of traditional Chicago buildings. We also propose to use energy-efficient design and planning, LEED certification to ensure energy-efficiency, and utilizing renewable energy sources to provide electricity for the buildings.

REFERENCES

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- Team A (Chicago)
- Team B (Juarez)

The team worked closely with the IPRO Juarez group to ensure a cohesive and unified approach to the project.

METHODOLOGY

To design affordable housing for Chicago using shipping containers, we focused on the following areas:

1. Design: Typical floor plans for each unit, designing the kitchen, bedrooms, and living rooms to mimic the appearance of traditional Chicago buildings.
2. Energy: Utilize energy-efficient design and planning, LEED certification to ensure energy-efficiency, and utilizing renewable energy sources to provide electricity for the buildings.
3. Resources: Leverage the structure inherent in the containers while mimicking the layout and appearance of “traditional” Chicago buildings.
4. Sustainability: Utilize the environmental benefits of shipping containers, such as their durability and longevity, to create sustainable and affordable housing.

The team worked closely with the IPRO Juarez group to ensure a cohesive and unified approach to the project.