

Project Report: My Wirehouse (Class 5 Cost Estimate)

Project Summary

PROJECT TYPE:

Warehouses

LOCATION:

Texas City, TX

ESTIMATED COST:

\$150,000 - \$300,000

TECHNICAL LEVEL:

non-technical

Project Overview

The My Wirehouse project involves the construction of a small warehouse facility in Texas City, TX, with a focus on storing perishable goods. The planned size is less than 5,000 square feet, making it suitable for small-scale operations primarily aimed at storing general and raw materials. The warehouse will feature a metal roofing system and a concrete slab floor, providing durability and efficiency. Standard insulation will be installed to maintain basic temperature control, though no specialized climate control systems are required. The facility will include dock-level doors for efficient loading and unloading of goods.

Cost Estimate Classification

Estimate Class: Class 5 (Conceptual)

Accuracy Range: -50% to +100%

Expected Cost Range: \$150,000 - \$300,000

Cost Breakdown

COMPONENT	LOW ESTIMATE	BASE ESTIMATE	HIGH ESTIMATE
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Design and Engineering	\$7,500	\$15,000	\$30,000
Materials	\$45,000	\$90,000	\$180,000
Labor	\$30,000	\$60,000	\$120,000
Equipment	\$15,000	\$30,000	\$60,000
Contingency	\$7,500	\$15,000	\$30,000
Total	\$105,000	\$210,000	\$420,000

Timeline Estimates

PHASE	DURATION
Planning and Design	2-3 months
Permitting	1-2 months
Construction	4-6 months
Testing and Commissioning	1 month
Total Duration	8-12 months

Key Considerations

- Consider potential expansion space for future growth.
- Ensure compliance with local zoning and building codes.
- Evaluate options for eco-friendly and sustainable materials.

Plan for adequate security measures for storage of goods.

Assess logistics and proximity to transportation hubs.

Next Steps

- 1 Conduct a feasibility study to refine project scope and objectives.
- 2 Engage with a design and engineering firm for initial sketches.
- 3 Begin the permitting process with local authorities.
- 4 Develop a detailed project plan and timeline.
- 5 Secure preliminary financing based on cost estimates.

Disclaimer

According to the Association for the Advancement of Cost Engineering International (AACEI), a Class 5 estimate is a conceptual estimate with an accuracy range of -50% to +100%. This estimate is intended for early-stage project planning and feasibility analysis and should not be used for final budgeting or financial commitments. Costs are subject to significant variation based on design changes, market conditions, and project-specific factors.