

**De La Salle University - Dasmarinas
Dasmarinas, Cavite
College of Technology**

**Raw Materials and Finished Products are being
Placed in Non-Designated Areas due to
Insufficient Storage Area**



Leader Cable Philippines Corporation

**A project presented to the
Department of Technology
Dasmarinas, Cavite**

**In Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science in Industrial Technology**

Submitted by:

**Lariosa, Brian L.
Navales, Andrean S.**

Submitted to:

**Engr. Marluna L. Urubio
Dean, College of Technology**

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Chapter I Introduction



Background of the Study

Leader Cable Philippines Corporation is a company that engages in manufacturing and marketing of Aluminum Rods, Power Cables and Telecommunication Cables and Building Wires. The company is a subsidiary of Leader Universal Hong Kong Company Ltd. under Leader Universal Holding Berhad Group of Companies. It is the first and only aluminum rod manufacturer in the Philippines. It was established to further strengthen the manufacturing of premium and quality wires here in the country.

The researchers focused the study in the Warehouse Section and Storage Area, where all raw materials and finished goods are kept. At first, the cables that are packed in reels, coils and rolls manufactured according to their specifications are arranged systematically with their colors, sizes and components. But due to the increasing demand and orders the company increased in production and expands their horizons into a variety and different kinds of cable products. Another factor in maintaining stocks is that they are engage to do Floating Order Point, which is an order point that is responsive to change in demand and quantity in lead-time. To meet the customer's demand on time, the company assures that they have enough stocks and finished goods, though make-to-stock product. But because the Warehouse Section does not have enough space for the raw materials and finished goods, they tend to use the Production Area of Power Cable and Telecommunications Cable and even the outer premises of the company to maximize the space. The spaces in the Production Lines decreased forklifts way in transporting materials to their designated areas.

The warehouse supervisor inspects the stored raw materials and finished goods and acts as the warehouseman at the same time. That arrangement and treatment of the company for their raw materials and finished goods can affect product's quality, damages and deterioration.

Problem Statement

Raw materials and finished goods are being placed on non-designated areas that exposed the items to possible damages and deterioration.

Objectives

General Objective

- To provide a proper storage area that will comply with the continuous and increasing production of the company.

Specific Objectives

- To arrange the raw materials and finished products accordingly and systematically so it can be identified easily.
- To easily monitor the product damages and ensure the quality of the raw materials and finished products
- To maximize the space of the production area as for its proper use

Significance of the Study

Leader Cable Philippines Corporation needs to expand or provide an additional space for their raw materials and finished goods. This study would be beneficial for the company, for the workers and for the researchers.

For the company, this will serve as basis for expanding the Warehouse Section or Storage Area to comply with the increasing production of the company. This could be an aid to secure and minimize the possibility of the items to be damaged. It could also help to easily monitor the number of finished products and the available raw materials of the company.

For the workers in the Quality Control Section and Warehouse Section, they can easily recognize and monitor the available materials and finished products. This will simplify Warehouseman's job in searching and sorting the stocks. This is a step to easily attain their vision, to supply the local demand for world-class quality cable products in line with the Quality Management System meeting the requirements of ISO-9002 standards.

For the researchers' advantage, they would experience the actual working condition inside an Industrial firm, gaining more knowledge and ideas that could help in their future jobs.

Scope and Limitation

The study was concentrated on the Warehouse Section of Leader Cable Philippines Corporation. Data and Analysis was focused within the area of storing raw materials and finished quality cable wires, this includes Aluminum Rod and Aluminum Alloy Rod, PVC insulated electric copper wire and cables, Thermoplastic fixture wires and non-metallic sheathed wires, telecommunication cable, jacketed interior wire, telephone drop wire, jumper wire and intercom cables. Observation is limited on the designated areas and non-designated areas where raw materials and finished goods are located, particularly in the Storage Area.

The authors also considered the arrangement of the products in their designated places. The space it occupies and the space available in the Warehouse Section and within the premises of the company.

Design and Methodology

The researchers come up with this study by familiarizing themselves with the different processes that involves in the production of power cables and telecom cables. Data such as Business Process, Organizational Chart and Work Procedure were given to the researchers upon request to serve as reference and basis of the study. They also conducted interviews with some personnel in QC, PPC, and Warehouse Section and concern workers regarding the actual operations and procedure inside the company.

In accordance to the study, the researchers make use of books and Internet that served as their guide and additional information about the existing problem of the company. That also helped in supporting and establishing the problem and for finding its appropriate and helpful solution.

Definition of Terms

Warehouse Section- this is where the raw materials and finished goods are placed and stored before it was used and before it was delivered. The finished goods are packed in reels, coils and rolls

Reels - this is where finished wires are rolled; this is commonly used in telecom wires with an average diameter of 7.6 mm and above, and with long cutting lengths.

Coils and Rolls - this is packed finished goods with small diameter and in short lengths.

Warehouseman - this is the worker in-charged in verifying the required materials against stock availability. They are also the one who performs the periodic checking of the condition of the finished goods in storage the storage area.

Business Process - this is a flowchart and overview of the business process in the company. It indicates the procedure from the inquiry of the cable products up to delivery.

Floating Order Point - An order point, which is responsive to change in demand and/or quantity to changes in lead-time.

Make to Stock Product - A product that is shipped from finished goods, "off the shelf", and therefore is finished prior to customer order arriving.