The Elimination of The Downgrades on The Roll forming Process of The Production Area at Philmetal Products Inc.

A Plant Layout Study Presented to the Faculty of the College of Engineering and Technology at De La Salle University-Dasmariñas Dasmariñas, Cavite

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

1:32200

Submitted by:
Arienda, Joshua
Gicana, Karen Niña
Memije, John Francis
Patambang, Jesus
Rodriguez, Lawrence
Salgado, Joanne
Verdey, Criselda

Submitted to: Engr. Ma. Estrella Natalie Bongcayao

October 2006

TABLE OF CONTENTS

Acknowledgement	ii
Certification	iii
CHAPTER 1	
Introduction	
1.1 Background of the Study	1
1.2 Statement of the Problem	2
1.3 Objectives of the Study	3
1.4 Significance of the Study	3
1.5 Methodology	4
1.6 Scope and Limitation	4
1.7 Definition of Terms	5
CHAPTER 2	
Review Related Literature	6
CHAPTER 3	
3.1 Presentation of Gathered Data	18
CHAPTER 4	
4.1 Analysis of Data	
Problem Tree	22
Objective Tree	24
CHAPTER 5	
5.1 Presentation of Alternative Courses of Action	26
5.2 Cost and Benefit Analysis	
Cost Benefit Matrix	

CHAPTER 6 6.1 Presentation of Conclusion and Recommendation ______31 6.2 Detailed Plan of Action ______32 Gantt Chart

APPENDICES _______33
BIBLIOGRAPHY ______40

CHAPTER 6

CONCLUSION AND RECOMMENDATION

6.1 CONCLUSION

The study focused on the causes of the downgrades inside the production area of the rollforming process at Philmetal Products Inc. Downgrades are cause by different factors such as the nonexistence of storage facilities for finished products and the not following the FIFO system.

The researchers made some observations and interviews to different staffs inside the production company. Through observations and interviews they came up to a conclusion that the problems will be solved using the three alternatives presented such as the Have a FIFO System in using Raw Materials Provide a Storage Facility for Finished Product, and Arrange Materials Properly

6.2 RECOMMENDATION

In order to eliminate downgrades regarding improper storing, the three alternatives should be implemented. The company will benefit all this solutions and the company will have their productivity increase. The company will gain lot of better changes in the company.