



**DEPARTMENT OF BUILDING SURVEYING
FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING
UNIVERSITI TEKNOLOGI MARA
CAWANGAN PERAK
KAMPUS SERI ISKANDAR**

TYPES OF BUILDING SERVICES AT MALL

**SORAYA BAIZUREEN BINTI MUSTAFA
2015862956
DIPLOMA IN BUILDING SURVEYING**

**PRACTICAL TRAINING REPORT
MARCH – JULY 2018**

DECLARATION:

I hereby admit that this report is the result of my own efforts, except for the certain parts that are attached from sources that specified in reference chapter.

Prepared By:

(SORAYA BAIZUREEN BINTI MUSTAFA)

Date:

Approved By:

.....
(SR. DR. ALIAJMENTI ABDULLAH SALEH)

Date:

ACKNOWLEDGEMENT

The internship opportunity I had with Damansara Assets Sdn. Bhd. was a great chance for learning and professional development. Therefore, I consider myself as a very lucky individual as I was provided with an opportunity to be a part of it. I am also grateful for having a chance to meet so many wonderful people and professionals who led me through this internship period.

Bearing in mind previous I am using this opportunity to express my gratitude and special thanks to my supervisor Sr. Dr. Alia Binti Abdullah Saleh who in spite of being extraordinarily busy with her duties, took time out to hear, guide and keep me on the correct path and allowing me to carry out my project at their esteemed organization and extending during the training.

I express my deepest thanks to Pn. Aidura Binti Ibrahim as Head of Pre Opening Team for taking part in useful decision and giving necessary advice and guidance and arranged all facilities to make life easier. I choose this moment to acknowledge her contribution gratefully.

It is my radiant sentiment to place on record my best regards, deepest sense of gratitude to Pn. Siti Halinah as leasing fitout, Pn. Rahidah as executive finance, Pn. Sally Nor Haniem as leasing executive, Pn. Zarina as admin and En. Afiq as fit out coordinator in Department Pre Opening Team for their careful and precious guidance which were extremely valuable for my study both theoretically and practically.

Furthermore, I also thanked to my parents for giving cooperation in contribute their money and time in this report to make sure it is completely done.

I perceive as this opportunity as a big milestone in my career development. I will strive to use gained skills and knowledge in the best possible way and I will continue to work on their improvement, in order to attain desired career objectives.

TABLE OF CONTENTS

NO.	TITLE	PAGES
	Acknowledgement	I
	Table of contents	II
	List of Figure	III-VII
	List of Table	VIII
1.	CHAPTER 1: INTRODUCTION 1.1 Company Background 1.2 Building Background 1.3 Vision and Mission 1.4 Quality Objective and Quality Policy 1.5 Scope of Work 1.6 Organization Chart 1.7 Scope and Responsibilities 1.8 Building View 1.9 Location Plan 1.10 Facilities and Services 1.11 Summary	1-33
2.	CHAPTER 2: THEORETICAL STUDY 2.1 Introduction 2.2 Definition of Building Services 2.3 Types of Building Services 2.4 Importance of Building Services 2.5 Summary	34-54
3.	CHAPTER 3: CASE STUDY 3.1 Introduction 3.2 Building Background 3.3 Types of Building Services 3.4 Summary	55-79
4.	CHAPTER 4: PROBLEM AND RECOMMENDATION 4.1 Introduction 4.2 Problem and recommendation 4.3 Summary	80-82
5.	CHAPTER 5: CONCLUSION 5.1 Conclusion	83
6.	References	84
7.	Appendix	85-104

LIST OF FIGURE

NO	ITEMS	PAGES
99	Figure 3.3.5.1.13 Booster pump	70
100	Figure 3.3.5.1.14 Mall hose reel tank	70
101	Figure 3.3.5.1.15 Hose reel pump	70
102	Figure 3.3.5.1.16 Hose reel	70
103	Figure 3.3.5.2.1 Emergency exit sign	71
104	Figure 3.3.5.2.2 Emergency staircase	71
105	Figure 3.3.6.1 An auxiliary police	72
106	Figure 3.3.6.2 A security at parking area	72
107	Figure 3.3.6.2 Small dome CCTV camera	73
108	Figure 3.3.6.2 Big dome CCTV camera	73
109	Figure 3.3.7.1 Cylinder bank LPG	75
110	Figure 3.3.7.2 Gas pipe	75
111	Figure 3.3.7.3 Meter gas at tenants	75
112	Figure 3.3.7.4 Distribution pipe	75
113	Figure 3.3.7.5 Kitchen	75
114	Figure 3.3.8.1 Generator Set	76
115	Figure 3.3.8.2 Battery charger	76
116	Figure 3.3.9.1 Tenants	78
117	Figure 3.3.9.2 Grease pipe	78
118	Figure 3.3.9.3 Manhole	78
119	Figure 3.3.9.4 Main grease trap	78
120	Figure 3.3.9.5 Sewerage treatment plant	78