

PROGRAMME IN BUILDING SURVEYING DEPARTMENT OF BUILT ENVIRONMENT STUDIES AND TECNOLOGY FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING UNIVERSITI TEKNOLOGI MARA PERAK BRANCH SERI ISKANDAR CAMPUS

CERTIFICATE OF COMPLETION AND COMPLIANCE (CCC) APPROVAL PROCESS FOR 2 UNITS OF 3 STOREY OFFICE SHOPS AT MUKIM TANAH MERAH

HADFINA MIRZA BINTI MOHD NOOR (2018222454)

BACHELOR OF BUILDING SURVEYING (HONS.)

PRACTICAL TRAINING REPORT

FEBRUARY 2021

PROGRAMME IN BUILDING SURVEYING DEPARTMENT OF BUILT ENVIRONMENT STUDIES AND TECNOLOGY FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING UNIVERSITI TEKNOLOGI MARA PERAK BRANCH SERI ISKANDAR CAMPUS

CERTIFICATE OF COMPLETION AND COMPLIANCE (CCC) APPROVAL PROCESS FOR 2 UNITS OF 3 STOREY OFFICE SHOPS AT MUKIM TANAH MERAH

FEBRUARY 2021

This practical training report is fulfilment of the practical training course.

<u>PREPARED BY</u>		
NAME	:	HADFINA MIRZA BINTI MOHD NOOR
SIGNITURE	:	
SUPERVISING LECTURER		
NAME	:	NURHIDAYAH SAMSUL RIJAL
SIGNITURE	:	
DATE	:	

ABSTRACT

Certification of buildings is one of the conditions set by the government to ensure that buildings are constructed to achieve the required standards. This intended to safeguard the interests of the parties involved, especially the buyers. To improve public service delivery while not ignoring the interests of those involved, government held a new system for new building to obtain their building certification. The new system used called Certificate Completion and Compliance (CCC) where the appointed professionals were commonly known as Principle Submitting Person (PSP), which will issue the certificate of the building. This report is to known the approval process for 2 units of 3 -storey office shops on lots 100 and lots /101 located in Tanah Merah town, Kelantan. The building is owned by 3 individuals, namely Koh Chai Hun, Ooi Chi Hen and Ooi Mek Wai and is used as an office shop.

ACKNOWLEDGEMENT

First and foremost, I want to thank Allah SWT for blessing and empowering me to complete my project paper successfully. This project may not be completed on time if He is not kind and merciful.

I would like to thank my respectable supervisor, Madam Nurhidayah Samsul Rijal for her guidance, helpful comments, continuous support and general supervision in preparing of this whole project paper. I would also like to thank Mr. Ahmad Azrin as the employer at my industrial training place who helped me in providing information and teaching me about the work I need to do.

Many thanks to both my parents, Mohd Noor bin Sulong and Nor Misbah binti Yusof who always give me the love, encouragement, prayers, reminders and life guides that I really need. Indeed, all the sacrifices that have been made are very much appreciated and I will remember them for the rest of my life.

Finally, thank you to everyone who has been directly or indirectly engaged in making recommendations and assisting with the completion of this report. This report, hopefully, will be used as a valuable information foundation for future generations to view. I'd also want to thank everyone who has been helpful, especially my students, friends, and co-workers, for their encouragement, moral support, and inspiration while I was working on my project paper. I am really grateful.

Thank you

Table of Contents

ABSTRACT ii
ACKNOWLEDGEMENTiii
LIST OF TABLEvii
Chapter 1 1
INTRODUCTION1
1.0 INTRODUCTION
1.1 COMPANY BACKGROUND
1.2 COMPANY HISTORY
1.3 OBJECTIVE
1.4 VISION AND MISSION
1.4.1 VISION
1.4.2 MISSION
1.5 BUILDING MOTTO
1.5 BUILDING LOCATION
1.5.1 Location Plan
1.5.2 Key Plan
1.6 CARTA ORGANISASI MAJLIS DAERAH TANAH MERAH5
1.7 One Stop Centre (OSC) Organization Chart6
1.8 SUMMARY
CHAPTER 2
LITERATURE RIVIEW
2.0 INTRODUCTION
2.1 DEFENITION OF CERTIFICATE OF COMPLETION AND COMPLIANCE (CCC)
2.1.1 CERTIFICATE OF COMPLETION AND COMPLIANCE (CCC) BACKGROUND
2.2 IMPLEMENTATION OF CCC PRODUCTION SYSTEM
2.2.1 PROFESSIONALS RESPONSIBLE FOR PRODUCTION CCC
2.2.2 APPROVAL OF PLANNING PERMISSION AND BUILDING PLAN
2.2.3 STAGED CERTIFICATION PROCESS
2.2.4 <i>FORMS</i> USED
2.3 CCC PRODUCTION PROCESS
2.4 DEFENITION OF OFFICESHOP16
2.5 TYPE OF SHOP
2.6 SUMMARY

CHAPTER 3
CASE STUDY
3.1 INTRODUCTION
3.2 LOCATION OF BUILDING
3.3 BUILDING ELEVATION
3.3 PROCESS OF CCC
3.4 PENALTIES IMPOSED
3.5 SUMMARY
CHAPTER 4
PROBLEM
4.1 PROBLEM
4.1.1 Schedule label error on building plan37
4.1.2 The construction of the building deviated from the original plan
4.1.3 Construction of the building did not follow the procedure
CHAPTER 5
CONCLUSION AND RECOMMENDATION
5.1 RECOMMENDATION
5.1.1 The PSP needs to correct errors on the plan
5.1.2 Site visits and investigations
5.3 CONCLUSION
List of references
List of Appendix

LIST OF FIGURES

Figures 3.1 Location Plan		
Figures 3.2 Site Plan		
Figures 3.3 Key Plan		
Figures 3.4 Ground Floor Plan	Figures 3.5 Second Floor Plan	
Figures 3.6 Flat Roof Plan	Figures 3.7 Top of Flat Roof Plan	
Figures 3.8 Section x-x and Section y-y		
Figures 3.9 Section Z-Z		
Figures 3.10 Front Elevation		
Figures 3.11 Rear Elevation		
Figures 3.12 Right Elevation		
Figures 3.13 Left Elevation		
Figures 3.14 Shown file registration recei	pt	
Figures 3.15 Shown OSC registration fees		
Figures 3.15 Shown land grant		
Figures 3.16 Shown ISF letter		
Figures 3.17 Shown OSC meeting		
Figures 3.18 Shown B forms		
Figures 3.19 Shown a steel tape		
Figures 3.20 Shown a invar tape		
Figures 3.21 Shown a camera		
Figures 3.22 Shown G1 forms		
Figures 3.23 Shown F forms		

LIST OF TABLE

Table 2.1 types of forms used according to construction components and parties	. 13
Table 2.2 Forms Used In CCC Production Systems	. 14
Table 3.1 Amendment of penalties under act A1286	. 36

Chapter 1

INTRODUCTION

1.0 INTRODUCTION

Industrial training is an important component of the degree program that has been offered by Universiti Teknologi Mara (UITM). Practical training courses have been made compulsory for all students to increase knowledge. Technological skills that are able to adapt to the work environment that will be faced after graduation.

Industrial training is compulsory for all final year students of the Building Surveying course. Industrial training courses will give students the opportunity to experience real life situations in the workplace. In addition, industrial training can add new knowledge that students will not be able to while in the classroom. Knowledge in the workplace is one of the knowledge that students must feel before they become a real employee.

In addition, with the availability of industrial training, students will become more mature, knowledgeable and will test themselves in solving all problems throughout the period of industrial training. This is because, every problem faced by the students will be handled by themselves and it can open the minds of the students to increase their creativity and efforts to strengthen their own credibility.

Next, students can also relate the lessons in the learning classroom to real practical situations. Therefore, students must master the lessons in the classroom to increase their confidence of understanding and skills before undergoing industrial training. With this, students are able to give their best commitment in completing everything throughout the period of industrial training.

Next, students will be exposed to team work, where students will work with staff members to complete their work. Therefore, effective communication will play an important role and facilitate students to interact and collaborate in completing the assigned work. This practice needs to be embedded by students in order to produce quality work.

Safety factors are a major concern during industrial training, whether students are on construction sites or in offices. Therefore, students must always be alert and more sensitive to the environment to prevent accidents. In conclusion, the involvement of students in industrial

training has opened up opportunities for students to increase their knowledge and experience. The opportunities provided by the education industry like this should be used as much as possible by students to gain experience and knowledge throughout the period of industrial training.

1.1 COMPANY BACKGROUND

Tanah Merah District Council is located 3 KM north of the banks of the Kelantan River, with an area covering approximately 2, 993.10 hectares. MDTM Administrative Office is located at:

Address: Majlis Daerah Tanah Merah, 17500 Tanah Merah, Kelantan. Tel: 09-9556026 / 9556023 Fax: 09-9556826



1.1.2 Building Logo

1.2 COMPANY HISTORY

Tanah Merah District Council was established on 1 January 1979 under the Local Government Act (Act 171) with a gazetted area of 136.60 km. square.

This establishment was made by reorganizing several areas to be placed under one administration, namely a combination of the three existing Local Authorities as well as several other economic growth centres in the colony.

Based on the area of the Council gazetted on 1 September 2005, it brings the administrative area of the Council to 867.67 square km with a total population of 103,487 people. The council's population consists of the composition of the main races, namely Malays 95%, Chinese 3% and Indians 1%.

1.3 OBJECTIVE

- 1. Improve the corporate image.
- 2. Increase creativity and innovation activities in line with the demands of stakeholders.
- 3. Encourage activities towards creating a green environment.
- 4. Expand implementation in government agencies to create a conducive environment.
- 5. Ensure that the audit element meets the needs of various government agencies.

1.4 VISION AND MISSION

1.4.1 VISION

Creating a conducive ecosystem in the workplace.

1.4.2 MISSION

Strengthen a safe, clean, disciplined, neat, comfortable and orderly work culture system by implementing conducive ecosystem practices among Tanah Merah District Council staff.

1.5 BUILDING MOTTO

A conducive environment makes citizens more productive

1.5 BUILDING LOCATION



1.6 CARTA ORGANISASI MAJILIS DAERAH TANAH MERAH



ISA MOHD NAIM B MOHD

GHA7ALL MOHD AMRI B. AZMI RAZAK

WAN AMIRUL AHMAD BIN WAN AHMADUI KASER

1.7 One Stop Centre (OSC) Organization Chart



1.8 SUMMARY

With the availability of industrial training, students can undergo industrial training in places that have been chosen by those related to their course. Therefore, the objective of industrial training is to make an impact on students in performing the assigned task as well as possible and to see how far a student learns the assigned task.

CHAPTER 2

LITERATURE RIVIEW

2.0 INTRODUCTION

The title that has been chosen is certificate of completion and compliance (CCC) approval process for 2 office shop units in Tanah Merah. Based on the chosen title, the certificate of completion and compliance (CCC) is because it is the main task that needs to be done by the third to do industrial training at the Tanah Merah District Council.

2.1 DEFENITION OF CERTIFICATE OF COMPLETION AND COMPLIANCE (CCC)

CCC stands for the certificate of completion and compliance and is a new term introduced by the Street, Drainage and Building (Amendment) Act 2007 (Amendment Act), which came into force on April 12, 2007. The CCC is meant to replace the certificate of fitness for occupation (CFO).

Under the former system, the CFO was issued by the local authority (LA) under the Uniform By–Laws of the Street, Drainage and Building Act 1974 (Act 133).

The former system was overly cumbersome, time–consuming and subject to abuse. It was not unusual for inordinate delays to occur due to many factors including: noncompliance by the developer for the submission of Form E and its enclosures to the LA, additional conditions imposed by the LA at the time of application of CFO, the involvement of many technical agencies and the lack of technical officers to process the CFO.

Purchasers of properties encounter numerous problems whenever vacant possession is delivered to them by developers and the purchasers could not occupy or renovate their properties because the CFO was not issued. (R. Zakaria, 2014)

2.1.1 CERTIFICATE OF COMPLETION AND COMPLIANCE (CCC) BACKGROUND

In 2007, the CCC was introduced to replace the CFO, to speed up the process for buyers who want to move into their home immediately.

The government has agreed to introduce a CCC certification system issued by Professionals in lieu of the Certificate of Fitness for Occupation (CFO) previously issued by the local authority. The introduction of this new certification system was made after taking into account its advantages and benefits based on a comprehensive study conducted by the Ministry of Housing and Local Government (KPKT) together with parties directly involved or having an interest in the construction industry.

The CCC production system by professionals is an effort towards a self-regulation and self-certification approach, that is, consistent with the Government's intentions as contained in step 70 (d) of the New Strategy to Stimulate National Economic Growth. It aims to further enhance the efficiency of the project development service delivery system through efforts to reduce bureaucracy. The introduction of the CCC will contribute to reducing the cost of doing business in the country as well as making it easier for investors to deal with the Government.

The CCC system is not a new concept. It is an extension of an already used system of detached houses built singly to other building categories. The UKBS amendment in 1999 has allowed detached houses such as bungalows to be exempted from applying for a CFO and for Professional Architects or Registered Planners to issue a CCC as a Submitting Person (OMP). The system has been implemented without any problems since its introduction and now its application is extended to other categories of buildings.

From the point of view of accountability for the safety and comfort of the building, the acquisition of the task of issuing these certificates by professionals is more of a formality. This is because under the CFO production system, professionals are indeed required to provide verification on security issues and eligibility to occupy the building. In addition, the assignment of the responsibility to issue building certificates by professionals is also considered an appropriate step. This is because they are the ones who best understand the development of a project because they are directly involved in the entire development phase; that is, from the works stage preparations start it up to the construction and completion stages of the project.

An improvement feature to the CCC system is that a notice of vacant possession (VP) can be issued together with the CCC which is now under the control of professionals. This factor will contribute to problem solving that often occurs under the CFO production system where the home buyer obtains the house keys but cannot occupy them because the CFO has not been issued yet. (Y P Cheong, 2007)

To strengthen and ensure the effectiveness of system implementation CCC certification, several related bills were also amended. Apart from the Roads, Drains and Buildings Act (Act 133) and the Uniform Building By-Laws 1984, the laws in question are:

- a) Housing Development Act 1966 (Control and Licensing) (Act 118)
- b) Strata Titles Act 1985 (Act 318)
- c) Registration of Engineers Act 1967 (Act 138)
- d) Architects Act 1967 (Act 117)

2.2 IMPLEMENTATION OF CCC PRODUCTION SYSTEM

According to A. I. Che-Ani, the implementation of the CCC involved several changes as well as introductions new elements in the building certification system.

2.2.1 PROFESSIONALS RESPONSIBLE FOR PRODUCTION CCC

Under this new certification system, the CCC will be issued by the Architect Professional or Professional Engineer registered with the Board of Architects of Malaysia (LAM) or the Board of Engineers of Malaysia (LJM) as a PSP. For buildings that require high architectural input, the Professional Architect will act as the PSP while the Professional Engineer will act as the PSP for engineering projects. For bungalows that do not exceeding a height of 2 storeys and an area not exceeding 300 square meters, the Building Planner will function as a PSP as well as issue a CCC. This is as permitted in the Architects Act.

CCC can only be issued after all parties are satisfied that the construction has been monitored and completed in accordance with the provisions of the law and the conditions in the Building Plan Approval as set by the local authority. (A. I. Che-Ani, 2014)

2.2.2 APPROVAL OF PLANNING PERMISSION AND BUILDING PLAN

- Under the CCC production system, two main processes in the CFO system, namely Planning Permission and Building Plan are maintained. Both processes still need to be submitted and approved by the local authority first.
- 2. One of the main responsibilities of the PSP is to submit the Building Plan. While other plans, other than building plans, are submitted by the SP, that is, either a Professional Architect or a Professional Engineer. With the implementation of the CCC system, PSP is also responsible for ensuring that the preparation and submission of these other drawings is in order.

2.2.3 STAGED CERTIFICATION PROCESS

In the CFO production system, the roles and responsibilities of parties other than the OMP are not explicitly and explicitly controlled. To streamline the implementation of the CCC system, an important element introduced is the stage certification approach. This approach, which is based on the principle of matrix of responsibility, requires the contractor or trade contractor and the professionals responsible for a construction component to certify the completion and compliance of the component; for example, for internal plumbing works, a licensed plumber and a Professional Architect or Professional Engineer (depending on which party prepares and submits the internal plumbing drawings) must both verify the completion and compliance of the internal plumbing installation work. The implementation of this new system is aimed at further improving the safety and comfort of the building as well as facilitating action taken against those responsible in the event of any failure. (Wong Joseph, 2012)

Under the CCC production system, 21 construction components have been identified in a phased certification process. For this purpose, 21 Staged Certification Forms (i.e., Forms G 1 to G 21) were introduced under the Second Schedule of UKBS 1984 (Amendment) 2007. Table 2.1 shows the types of forms used according to construction components and parties responsible for the staged certification process.

In line with the implementation of this staged certification process, the PSP must inform the level of building construction to the local authority.

TYPE	COMPONENTS	CONTRACTOR	CONTRACTO	PROFESSIONAL
OF			R TRED	
FORM				
G1	Earthworks			(SP)
G2	Signage		$\sqrt{(\text{Licensed Land})}$	(PSP)
			Surveyor)	
G3	Site			(SP)
G4	Structure			(SP)
G5	Internal Water		$\sqrt{(\text{Plumber})}$	(SP)
	Piping		Licensed)	
G6	Sanitary Plumbing		$\sqrt{(\text{Plumber})}$	(SP)
	Inner		Licensed)	
G7	Internal Electrical		$\sqrt{(Competent)}$	(SP)
			people	
			or proficient)	
G8	Opposing	\checkmark		(PSP)
	Fire (Passive)			
G9	Opposing Fire		\checkmark	(PSP)
	(Active)			
G10	Ventilation		\checkmark	(SP)
	Mechanical			
G11	Installation		\checkmark	(SP)
	Elevator/Escalator			
G12	Building	\checkmark		(PSP)
G13	Water supply		\checkmark	(SP)
	system			
	Exterior			
G14	Reticulation		\checkmark	(SP)
	Sewerage			
G15	Treatment Plant		\checkmark	(SP)
	Sewerage			
G16	Supply System		$\sqrt{(Competent)}$	(SP)
			people	

	External	or proficient)	
	Electricity		
G17	Roads and Drains		(SP)
G18	Streetlight	$\sqrt{(Competent)}$	(SP)
		people	
		or proficient)	
G19	Main External		(SP)
	Drain		
G20	Telecommunicatio		(SP)
	ns		
G21	Land View		(Architect/Architect
			Landscape)

Table 2.1 types of forms used according to construction components and parties

2.2.4 FORMS USED

NO	TYPE OF FORM	STATUS & USE OF THE FORM	
1	Form A - `Certificate of	The existing Form A is retained for	
	Building/Structure Plans	submission/approval of plans and contains SP	
		& PSP certificates	
2	Form B - 'Notice of	Form B is retained for use as is.	
	Commencement/Resumption		
	of Building Work'		
3	Form C - 'Notice of Completion	Repealed. Entered as Form G 2.	
	of Marking'		
4	Form D - 'Site Completion	Repealed. Entered as Form G 3.	
	Notice'		
5	Forms G 1 to G 21 - 'Staged	Introduced in a phased certification process for	
	Certificate'	21 construction components.	
6	Form E - 'Application for	Repealed.	
	Issuance of Certificate of		
	Eligibility For Occupation '		
7	Form F - `Certificate of	Replacing Form E and issued by PSP together	
	Completion and Compliance '	with a certificate that he has supervised the	
		construction and completion of the building.	

8	Form F1 -	`Certific	cate of	Entered after Form F and issued by PSP for any
	Completion	and	Partial	part of the building that has been partially
	Compliance '			completed.

Table 2.2 Forms Used In CCC Production Systems

2.3 CCC PRODUCTION PROCESS

Under the provisions of by-law 25 UKBS 1984 (Amendment) 2007, PSP may issue a CCC using Form F subject to the following matters:

- a) When all the technical conditions imposed by the local authority have been complied with
- b) when Forms G1 to G21 concern the certificate staged as specified in the Second Schedule has been certified and accepted by him
- c) When all services need to include access roads, land view, car park, ditch, installation of sanitary equipment, water and electricity, fire hydrants, sewerage and garbage disposal requirements and fire lift if required, have been provided.
- d) When he certifies in Form F that he has supervised the construction and completion of the building and that to the best of his knowledge and belief the building has been constructed and completed in accordance with these by-laws and the approved plan.

The PSP is also required within 14 days from the issuance of the CCC or certificate of completion and partial compliance to submit a copy of the certificate as well as the Staged Certificate Forms to the PBT and LAM or LJM, as applicable. Flow Chart `A' shows the CCC issuance process from the plan submission stage until this certificate is issued. (R. Zakaria, 2014)



2.4 DEFENITION OF OFFICESHOP

Recording to Hitesh Bhasin, retailing is the sale of goods or merchandise from a fixed place or by post, in small groups or piles for the use of buyers. It is a permanent place can be a convenience store, boutique, or stall, with the permanent place can be located on the side of the road of a residential area, on a shopping street that does not have much or does not have a nearby residential house or shopping area. Shopping streets sometimes only specialize in pedestrian customers. That type of road sometimes provides a full roof or a partial roof to protect its customers from rainfall. Online retailing, a type of electronic commerce used for business transactions to consumers, and mail order is a form of storeless retailing. Retailers are the end of the supply chain, with services provided sometimes including ancillary services such as delivery.

2.5 TYPE OF SHOP

1) Speciality Store

A speciality store is one which focuses on one or two specific categories. They have a very narrow product line. However, the advantage of a speciality store is that we will find many things in that store related to that speciality which we might not find on the open market.

2) Department store

Department stores are generally located within malls and they may not have their own independent stores. Department stores have a lot of products under their roof. They will sell clothing, men's and women's accessories, children's toys, home furnishings and many different things.

They generally have separate sections for separate categories. However, the number of categories are not exhaustive. These stores might not deal in as many categories as Supermarkets or hypermarkets.

3) Super Markets

They are known to be vast marketplaces with a wide variety of categories available. Most of these categories deal in the residential market segment by dealing in a lot of food varieties, necessary and useful products, groceries, bakery products, laundry and others. Many customers in the supermarket are looking to refill their home inventory and the best place to do that is the supermarket because the customer can fill up with a lot of stuff in very less time. Product assortment is a speciality of supermarkets because the products need to be displayed in such a manner that the customer gets attracted to them and they sell faster.

Normally, Supermarkets are also preferred because they have a lot of variants of the same product. Customer can find a lot of different varieties of soaps and shampoos at your local supermarket which won't find in local convenience store. As consumers grow, supermarkets are becoming smarter and smarter and bringing various price incentives to shop with them.

4) Convenience stores

These are small stores which do not have too many categories or too much depth in their product line. They will have 2-3 types of each product and the volume too will be lesser. Nonetheless, they are almost anywhere and in any country that we go too. Typically, most convenience stores provide low-level items which are not even mid-range. The advantage of a convenience store is, well, its convenience. It is nearby.

5) Drug stores

Drug stores are the ones which sell medicines and are specialized in it. They can be a form of specialized store itself but let's face it. Drug stores are now wider and longer than any specialized store because of the population and the number of medicines we need in day to day life.

6) Discount Stores

Discount stores sell all products at a good discount which attracts the customers. They do this by buying the products in huge volumes from the company. On the front end, they also establish a huge number of supermarkets and hypermarkets so that they can liquidate these products to the customers by passing on the margins.

7) Super Stores or Hyper Markets

Superstores are retail stores which are huge in size and have many different categories under their belt. These retail stores are not found in malls. Rather they are malls by themselves.

2.6 SUMMARY

The CCC production system by professionals is an endeavour reform of the building safety and comfort certification process. It is a necessary step to further improve the service delivery system of the construction industry which will attract more foreign investment to the country. The introduction of CCC will not only provide benefits and advantages to the parties directly involved in it building development projects but also building buyers and owners. The smooth implementation of the CCC production system is expected to alleviate the anxiety that is now often faced by buyers and owners by shortening the waiting time to enter the building.

CHAPTER 3

CASE STUDY

3.1 INTRODUCTION

The role of the local authority is as the party that conducts the check and balance as the CCC is issued by the PSP through self certification and self-regulation. Local authorities can use their powers under Section 70 (23) (a) and (b), Drainage and Building Act 1974 (Act 133) to conduct inspections during construction to ensure that the buildings constructed are in compliance with the approved building plan. If there is none -compliance, the local authority can withhold the issuance of certificate of completion and compliance (CCC).

Based on the selected objective, namely the CCC production approval process for 2 units of 3 -storey office shops on lots 100 and lots /101 located in Tanah Merah town, Kelantan. The building is owned by 3 individuals, namely Koh Chai Hun, Ooi Chi Hen and Ooi Mek Wai and is used as an office shop. This building was completed in 2015 which is located in the center of Tanah Merah, Kelantan. The building started applying for CCC on 16 February 2020 and needs to follow several processes before it is approved. This CCC certificate is issued by professionals consisting of Professional Architects registered with the Board of Architects of Malaysia, Professional Engineers registered with the Board of Engineers Malaysia or Building Planners registered with the Board of Architects of Malaysia.

3.2 LOCATION OF BUILDING

This building category is a type of shop/office house that is used as a building for business. With its area 40"105" and located in the city center at Tanah Merah, Kelantan. There are also many business premises buildings and facing the road around of this building







3.3 BUILDING ELEVATION

Figure 3.4 Ground Floor Plan

Figure 3.5 Second Floor Plan



Figure 3.6 Flat Roof Plan

Figure 3.7 Top of Flat Roof Plan



Figure 3.8 Section x-x and Section y-y



Figure 3.9 Section Z-Z



Figure 3.10 Front Elevation



Figure 3.11 Rear Elevation







Figure 3.13 Left Elevation

3.3 PROCESS OF CCC

Certificate of Completion and Compliance (CCC) process starts with the PSP or known as the Principal Submitting Person, the building plan application must be submitted through OSC Online. PSP must fill out all of the forms provided. The OSC will then instruct the PSP to submit the application to the OSC counter if it is complete and meets the requirements. After that, there are some fees charged at the OSC counter to receive the building plan. First and foremost, there is file registration. This file is important for storing all of the important documents involved with a house development project before to and after the CCC. The registration fee for the file is RM50.00, this fee does not include ISF and plan fees. Next, Improvement Service Fund (ISF) has been provided in section 132, ditch roads and buildings act 1974 (act 113) for local authorities. Section 8 allows the local government to claim costs for new roads, road widening, and road paving. Meanwhile, local authorities can claim costs for road beautification and ditching under section 51 and the last section is section 132 shall be established in each local authority and shall be paid into it all moneys for carrying out this act.

	rtas Minit No. MDTM/OSC/ 19 / 15 / 19 Helai No.
	Dariped Leff Clin live, Obi Clin Liven berneitsen Alfred
	Bayaran Dantar Fall : KN 56.00
	Bayaran Proses Pelan :
	Bayarua-KM-Bangunan t. PA1692-00
	Bayaran Sumbangan :
	Tandatangan Penerima :
-2)-	Kepada Jabatan Teknikat Bar Ha Jt. Dr. 15 bertarikan 23 / 1/2
	Keputusan Mesyuarat Jawatankuasa OSC Bil
(3)	Drop JER
4	
I	DRP BERMENA NZ & KZ SON BHD.
	- pelans putch
6	DAD FRANKLING DE HE SAN OHD. - PLAND HERA DOD DERUNDANA HE & HE SAN OHD. - PLAND HERA - PLAND HE
(Mar and Date un Drink AND Q MIZ CON LHP.
(7 (n) Dop DERUNDATA HIZ & KZ SOF OCD) -RE DECLARE REZUNDATA HIZ O MIZ COMLEGE. CONDENT! DDDOD DATA NARCHI DATA NARCHING OK - LULUD
(A)	Dep meriod
G	Same
Ð	Kepperperpensition
Ð	and manter By
(3)	DRP DEPUNDEN NZ
10	DAD DEPENDENT SULTAND DAD DOIS CON SULTAND DAD LEC HULKAR THEAD
(5	and new ballion learn

Figure 3.14 Shown file registration receipt

MAJLIS DAERAH TANAH MERAH 1700 Tanah Merah, Keleran Dan Near- Tet : 000 Anath Merah, Keleran Dan Near- Tet : 000 Anath Merah, Keleran Dan Near-	~	
BIL BAYARAN PERKHIDMATAN / AM	~	
WARNA : 20/10/2015 WARNA : KOH CHAR HUN	~	
NO. KIP I ALAMAT	<u>^</u>	
MDTM/OSC/PB//5//94	~	
KENYATAAN BAYARAN :	MDTH 11356/15	29-10-2015
71399 DAFTAR FAIL 72409 BAYARAN PROSES PELAN & KM PELAN BANGUNAN 77403 BAYARAN SUMBANDAN 73221 BAYARAN PAPAN PLET	RM 77405,73221 RM TUHAI RM 4,07500 RM 5.00	RH4,100-
72409 BAYARAN SKD JUMLAH	RM 4/900 1006/15	29-10-2015
COP AKUAN TERMA BAWARAN -	TUNNI	R914, 100-
14-8382121 - Kol a	they there	
.,	-mek wa	

Figure 3.15 Shown OSC registration fees



Figure 3.15 Shown land grant



Figure 3.16 Shown ISF letter

The OSC must distribute to the technical departments and agencies involved before giving them the go-ahead to begin construction. It takes at least 14 days for the departments and technical agencies involved to comment. Besides that, within seven days, site visits were conducted to assess the site's readiness for construction. During this time, PSP, architects, and contractors are prohibited from performing construction work. After that, meetings of the OSC committee are held to ensure that all construction proposals and processes are carried out properly and in accordance with the law. As a result, determine whether the application is approved or whether amendments to the plan are required based on the terms and decisions of the meeting. After obtaining approval, the PSP must make payment for form C1 (KM certificate), waste maintenance costs, cleaning deposit, site visit charges, and fines (if any).


Figure 3.17 Shown OSC meeting

Subsequently, the PSP must submit Form B to the OSC, and construction can begin after 4 days from the date of submission of Form B. The next phase of construction is regulated by the PSP, however local authorities are allowed to visit the site at any stage. First stage is forms G1-G3 must be submitted to the OSC by the applicant or PSP, and the form must be certified by the departments and agencies involved. The PSP must keep the certified Form G. Additionally, the second and third stage the PSP must then submit Form G4-G21 to the OSC for the next step in the process. For Forms G4-G21, the PSP must submit once with a letter of support from the departments and agencies involved to support the construction carried out in accordance with the law. Within 7 working days, a building inspection and site cleanliness inspected, as well as construction waste, to ensure that there is no pollution in the surrounding area.

UND	ANG-UNDANG KECIL BANGUNAN SERAGAM 1984
	BORANG B
NOTIS MEMU	ILAKAN/PENYAMBUNGAN SEMULA KERJA BANGUNAN
	(Undang-Undang Kecil 22(1) dan (2))
Kepada Pihak Be	rkuasa Tempatan,
Majilis Daerah Ta	anah Merah, Kelantan Darul Naim
Saya memberi diterima saya b	notis bahawa selepas tamat tempoh 4 hari dari tarikh notis ini ercadang untuk menulakan/menyambung semula kerja bangunan
iaitu : CADAN	NGAN MEMBINA DAN MENYLAPKAN 2 UNIT KEDAI PEJABAT 3 TINGKAT
atas * Lot/Int-I	ot
	TABU
Jalan	
	bagi OOI CHU LIEN
menurut Pela	n yang Diluluskan No. MDTM /OSC / PB / 15 / 144
Bertarikh	
	Shi
	Orang Yang Mengemukakan
	Ar. Atmad Subsimi Bin Hashin ARKITEK
Nama :	AR. AHMAD SUHAIMI HASHIM No. Pendultaran LAW: A/A.74
	ARCHI-INVENT ARCHITECT, PT 808, TINGKAT 2, SEKSYEN 27, JALAN SRI CEMERLANG 18300 KOTA BHARU, KELANTAN.
Alamat	
	laftaran : A/A 74
	iaftaran :

Figure 3.18 Shown B forms

Next, the local authority will then conduct a full inspection of the building to ensure that it is being built in accordance with the approved plan and that the owner has not made any changes. This inspection includes key plans such as the front, left, right, and rear elevations, and the sanitary layout. Besides that, inspections such as setback measurements and room area were also carried out. According to the Uniforms Building by Laws of 1984 (UBBL 1984), the setback from the left, right, and rear must be a minimum of 10 feet from the boundary, and the setback from the front must be a minimum of 20 feet from the boundary. If the construction goes as planned and the site and surroundings are cleared, a letter of support for the CCC will be send. However, if not, the PSP will have to submit a plan amendment passed for the fined extent, in accordance with the setback compliance and the decision of the meeting.

Furthermore, there are several tools used during the inspection, namely steel tape, invar tape, and camera. For steel tape, it is used for a short distance of 5 meters, while invar tape is used for a long distance of 5 meters and above. Invar tape is suitable for measuring the length of the setback to the boundary. The last is the camera, it is used to snap the corners of the building namely front, left, right, and rear elevations and also changes made not according to the approved plan.



Figure 3.19 Shown a steel tape



Figure 3.20 Shown a invar tape



Figure 3.21 Shown a camera

In the end, a certified copy of the CCC form G form is submitted to the professional board associated with the PSP. Thereafter, a valid CCC certificate is submitted to the developer or owner and a copy of the CCC, and a valid G form is submitted to the local Authority, development department. The PSP also needs to sign the F form as a sign of passing the CCC, the serial number F form can also be obtained from the Professional Board associated with the PSP.

			BORANG G1	
			UNGKAT : KERJA-KERJA	TANAH
		[Undang	-undang kecil 25 atau 27]	
	Tajuk Pro	ijek:		
•1.	bagi kerji itu adalah	skerja-kerja tarah dan baha menurut Pelan Kerja Tarah	wa sepanjang pengetahuan d	sanakan pembinaan dan penyiapaa an kepercayaan kami kerja-kerj daa
	1	Nama (Perseorangan)	#No. Pendaftaran	Tandatangan
	a) Ko	ntraktor		
			(Lembaga Pembangunan Industri Pembinaan)	(Tarikh:)
	(b) Or	ang yang		
	m	ngemukakan	(Lembaga Jurutera Malaysi)a	(Tarikh:)
ATAU				
*2.	Saya mer	nperakui bahawa borang ini	adalah tidak berkaitan.	
			(Orang atawa jar	1g mengemukakan)
		nalan., jiku tiada badan pen ang tidak berkenaan	daflaran yang berkaitan	

Figure 3.22 Shown G1 forms



Figure 3.23 Shown F forms

3.4 PENALTIES IMPOSED

With the implementation of the CCC certification system, amendments were also made to Act 133 in relation to the penalties that can be imposed for offenses that violate the provisions of the law. In general, these amendments involve an increase in all previous fines as well as the introduction of a term of imprisonment not exceeding 10 years. Table 3.1 shows the amendments to the penalties imposed according to the type of offense under the CCC withdrawal system.

	Penalty Amendment	Type of offense convicted
1.	Increase the fine not exceeding one	Making alterations to buildings other than
	thousand ringgit to not more than twenty	those provided for in the Act or in the by-
	-five thousand ringgit (Subsection 70	laws without obtaining prior written
	(11))	permission from the local authority.
2.	Increase the fine not more than one	Using a building or part of a building for a
	thousand ringgit to not more than twenty-	purpose other than the purpose for which it
	five thousand ringgit and the additional	was originally constructed without obtaining
	fine not more than one hundred ringgit to	prior written permission from the local
	not more than five hundred ringgit for	authority.
	each day the offense is continued.	
	(Subsection 70 (12))	
3.	Increase the fine not more than ten	For errors:
	thousand ringgit to not more than fifty	a) commence or restart the erection of a
	thousand ringgit or imprisonment for a	building in contravention of
	term not exceeding three years or both.	subsection (9)
	An additional fine of two hundred and	b) Commencing the erection of a sub-
	fifty ringgit was increased to one	section (9A)
	thousand ringgit for each day the offense	c) Deviate from any plan or
	was continued after conviction.	determination approved by the Local
	(Subsection 70 (13)).	Authority without obtaining prior
		written permission.
		d) Erecting a building in contravention
		of this Act or any by-law.

		e)	Failure to comply with the written
			instructions of the local authority or
			the conditions imposed by the local
			authority on any modification or
			waiver of any requirement of any by-
			laws.
4.	Fine not exceeding two hundred and fifty	a)	Not a PSP but issuing a certificate of
	thousand ringgit or imprisonment for a		completion and compliance
	term not exceeding ten years or both.	b)	Issuing a CCC without an associated
	(Subsection 70 (27)).		G form
		c)	Issuing CCCs in violation of local
		,	authority instructions withholding
			such withdrawals pending correction
			of any non-compliance
		d)	Making false or fraudulent
			declarations, certificates,
			applications or representations of any
			prescribed form
		e)	amend or falsify the prescribed form
		,	knowing that the declaration,
			certificate, application or
			representation has been falsified,
			amended or forged
		f)	Occupy or allow to be occupied any
		•)	building or any part thereof without a
			CCC certificate.
5.	The fine under the general penalty of not	Under	General Penalties where no penalty is
5.	more than two thousand ringgit is		sly provided for a person guilty of an
	increased to not more than ten thousand	offense	
		UTICIIS	
	ringgit and the additional fine of not more		
	than one hundred ringgit is increased to		
	not more than five hundred ringgit for		

 Table 3.1 Amendment of penalties under act A1286

3.5 SUMMARY

The advantages of the CCC system will only result if they exist high commitment and close cooperation between the Local Authority and the professionals involved. Local authorities need to function as an effective check and balance mechanism in order to protect the interests of buyers and building owners while professionals need to act true to their profession. In the final analysis, the effectiveness in performing the roles and responsibilities of both parties promises a `win-win situation '(win-win situation) that extends to all parties. The strict adherence of professionals as PSP to the provisions of the law as well as the plans and conditions set in the process of issuing CCC will reduce not only the burden borne by the local authority but also the buyer. While the action of the local authority to detect non - compliance, especially at the building erection stage will reduce the cost of correction as well as the consequences of allegations or disciplinary action that had to be borne by professionals.

CHAPTER 4

PROBLEM

4.1 PROBLEM

4.1.1 Schedule label error on building plan

There are several issues faced by homeowners in obtaining a CCC. The issue is small, but it can affect a home's ability to obtain a Certificate of Completion and Compliance (CCC). For starters, the submitted plan has some label errors. For example, in the floor plan window label states W2 but in sections A-A they state W3. This can slow down a bit the CCC process where the PSP needs to correct the label to avoid confusion. If it is not repaired, it may be detrimental to obtain a CCC as it is considered an offense during the inspection, and the owner or PSP can be fined for failing to build according to the approved plan.

4.1.2 The construction of the building deviated from the original plan

Further, the construction of the completed building is not the same as the approved plan. It's similar to the first point, but it's not the same. For this one, the building underwent changes such as the position of the windows which were supposed to face north but changed facing east. Before proceeding to the next step, each change will be penalized. The latter is an error in the measurement of room space that is different from the approved plan as a result, the room is narrower than the plan. This is a minor offense, but it can affect the size of the building, so the contractor needs to take care that the house is built according to the plan and area set out in the book Uniforms Building by Law (UBBL 1984).

4.1.3 Construction of the building did not follow the procedure

There is a problem in the selected case study that is the construction of the building does not follow the procedure. The construction of this 3 -storey office shop has received complaints from a trader named Lee Ngian Thiam. The construction of this building has resulted in his shop and several nearby shops experiencing problems when it rains. This is because, the construction of this office shop did not follow the procedure and has resulted in losses for Mr. Lee Ngian Thiam. As a result of this construction, nearby business premises will experience

flash floods inside and outside their respective stores during the rainy season. There are about five business premises that are experiencing problems due to this construction. The complainant also requested the Tanah Merah district council to monitor and advise the contractor and the owner of the premises to carry out the construction work in accordance with the prescribed procedures. In addition, pictures in the appendix are also included

CHAPTER 5

CONCLUSION AND RECOMMENDATION

5.1 RECOMMENDATION

5.1.1 The PSP needs to correct errors on the plan

There is only one solution to all of these issues. The PSP should go to the OSC office and correct the plan based on the current state of the house being built. The PSP can correct minor errors such as labels with handwriting, but major errors, such as changes in window placement, need the PSP to submit a new plan. The OSC requires four copies of a new plan to be submitted in order to take various precautions in case something goes wrong. In addition, to obtain a CCC, the PSP or owner must pay the fine imposed as a result of the offence. This fine warns the PSP to construct a building according to plan to avoid future problems in the event of a fire or otherwise.

5.1.2 Site visits and investigations

After the Tanah Merah District Council received a complaint, a visit and investigation at the site was held on 26 September 2018 and the Tanah Merah district council found that the construction of 2 units of 3 -storey houses/ office shops had affected the neighboring building. Accordingly, a notice was issued as per subsection 87 (1), Roads, Drains and Buildings Act 1973 to the building owners namely Ooi Chu Lien, Koh Chai Hun and Ooi Mek Wei. The owner of the building was instructed to stop the disturbance immediately as recommended below:

- a. Correcting rainwater flow and repairing water mains so that it does not cause harm to neighboring premises/lots, does not stagnate and flows properly.
- b. Remove construction waste, building materials and rubbish to the proper place and the construction site must be in a clean and safe condition.
- c. Repairing a party wall that has been damaged as a result of the construction.
- d. Eliminate mosquito breeding grounds and spray fogging in and around the premises.
- e. The building must also comply with the instructions from the Tanah Merah District Council from time to time.

5.3 CONCLUSION

Certificate Completion and Compliance (CCC) is a critical aspect of any construction project because it will make everything easier now and in the future. The CCC process is lengthy, but it is worthwhile because it ensures that a building is constructed in accordance with the law. There are far too many steps to obtain CCC, for instance spending money on certain processes. There are some important things in the CCC process such as a full inspection has been carried out successfully in the project this time. The process of the house to get the CCC is successful and in accordance with all the laws that have been set.

The CCC process has been thoroughly described in this report. It is a very detailed process in building a house, from the beginning to the end. Although there were some errors initially from the PSP, it was still able to correct them in the near future and did not cause any delays in the process.

There are several tools used during the inspection, namely steel tape, invar tape, and camera. It is operated by assigned staff to ensure that each measurement is accurate and according to plan. The measurement method used is very simple and straightforward, anyone can do it as long as they understand the plan. The camera is used to take photos from four different perspectives: front, right, left, and back elevations. If something does not go as planned, a picture will be taken to prove that the house has changed.

In addition, the CCC inspection process has some risks and dangers as it focuses on the building environment, where a newly completed building must have nails and screws around it. Therefore, wearing safety shoes while doing this process is important to avoid accidents. Furthermore, weather conditions can also be dangerous because the soil around the building may be soft, dense, and muddy, it can happen slipping if not careful.

As conclusion, A building's Certificate of Completion and Compliance (CCC) is important because it can provide so many benefits in the future, including making it easier to claim insurance in the event of an accident. CCC can also reassure the owner or buyer that the building is built in accordance with the law and includes fire and other safety features.

List of references

- Guest Writer. 2020. Certificate of Completion and Compliance (CCC) in Malaysia: What you need to know https://www.iproperty.com.my/guides/certificate-of-completion-andcompliance-ccc-malaysia/
- Lehman, Jeffrey; Phelps, Shirelle (2005). West's Encyclopedia of American Law, Vol. 1 (2 ed.). Detroit: Thomson/Gale. p. 308.
- Inc., Advanced Solutions International. <u>"Glossary1"</u>. Archived from <u>the original</u> on 2017-07-22. Retrieved 8 March 2017
- 4. Malaysia. 2007a. Akta Jalan, Parit Dan Bangunan 1974. (Akta 133)
- Joseph, A. D. (2008). The Architect's Handbook Of Professional Practice. Ed. ke-14. New Jersey: John Wiley & Sons Inc
- 6. Malaysia. 2007b. Undang-undang Kecil Bangunan Seragam 1984. (P.W.5178/85).

List of Appendix

_		00 TANAH MERAH, KELANTAN,	Veletan : Di-Assolaza 09-Assolaza Fax : Okresetze
		Ruj, Tuun Ruj, Komi Tarikh	1 2 MDTN/08C/PD/15/544 3 Johnnetlievel 14388 16 Pebruari 2017M (19)
e majika;			\bigcirc
ABrs. Pe	etuan Awen, Pejahat erdana Menteri,	Negeri Terenggara / Kela m Danggol,	ntan,
abatan P Ingkat 2, 10100 Ka	, Wiema Moidam, Jola alio Terengganu, nu Darul Iman.	0.00	

Saya dengan segala harmatnya diasah merujuk kepada pertora dastas dan kurat tuan JBPA.600-1/01/2017/PCB.225742 [3] yang bartarikh pada 26 Jawaari 2017 adalah berkaltan.

 Adalah disuakhamkan bahawa, pihak kami telah memerima aduan ini daripada pengjada (Les Ngian Thiam) pada 01 Januari 2017. Setelah itu, pihak kaini mengadakan aata lawatan dan sianatan di tapak bina bagi penjek di atau pada 19 Jeruari 2017 (Pulcul 12.20 Petang) bertuabang dengan aduan tersebut.

 Henil daripada inwotan dan minastan terasbat, pihuk kami mendapati lerje-kerja pembinaan projek di atas telah menimbulkan KACAUGANGGU terhadap presis/fat berjeran sebagaisaana yang dinyatakan dalam Sekupen 81, Alete Kesajaan Tempatan 1976.

 Bakadaungan dengan itu, notu Bata Arahan telah dikehuntean pada 22 Januari 2017. Bersama surat ini dikembarkan bersama sulinin Sata Arahan tersahut setuk perhatian dan tindakan pinak taan selarjatnya.

Saldan, terima kasih.

LEE NGIAN THIAM Pusat Digital Utama Jaya No. 419, Jalan dato Nik Mustapha 17600 Tapah Merah Kelantan,



14

Kepada,

 Yang Dipertua Majilis Daerah Tanah Merah 17500 Tanah Merah Kelantan.

Tuan,

PEMBINAAN BANGUNAN TIDAK MENGIKUT PROSEDUR

Adalah dengan segala hormatnya, perkara di atas adalah dirujuk.

 Sukacita dimaklumkan bahawa satu pembinaan bangunan kedai/pejabat sedang dalam pembinaan iaitu berhadapan pembinaan Humaira. Pembinaan bangunan ini telah mengakibatkan kedai saya dan kedai berhampiran menggalami permasalahan apabila hujan. Pembinaan yang tidak mengikut prosedur telah mengakibatkan kerugian bagi kami.

3. Berhubung perkara tersebut, premis pemiagaan berhampiran akan menggalami banjir kilat di dalam dan luar kedai masing-masing apabila musim hujan sepertimana gambar yang di lampirkan. Terdapat lebih kurang ima (5) premis pemiagaan mengalami masalah dengan pembinaan bangunan ini. Disertakan laporan bergambar bagi rujukan pihak tuan. Sebarang kesulitan sila hubungi saya di talian 016-922 7225 (Lee Ngian Thiam).

4. Oleh yang demikian, saya pohon jasa baik pihak tuan agar dapat membuat pemantauan serta nasihat kepada kontraktor serta pemilik premis tersebut supaya menjalankan kerja-kerja pembinaan mengikut prosedur yang telah ditetapkan. Segala perhatian dan kerjasama daripada pihak tuan saya dahutui dengan ucapan jutaan terima kasih.

Sekian, terima kasih.

PPPBCA Server &





