





<input type="checkbox"/>	I	The Planning Department
<input checked="" type="checkbox"/>	II	The Basic Information of The Project
<input type="checkbox"/>	III	Pre-renovation Plan and Photos
<input checked="" type="checkbox"/>	IV	Layout After The Renovation
<input type="checkbox"/>	V	Plan Schedule
<input checked="" type="checkbox"/>	VI	Construction Status and Photos
<input type="checkbox"/>	VII	Engineering Supervision

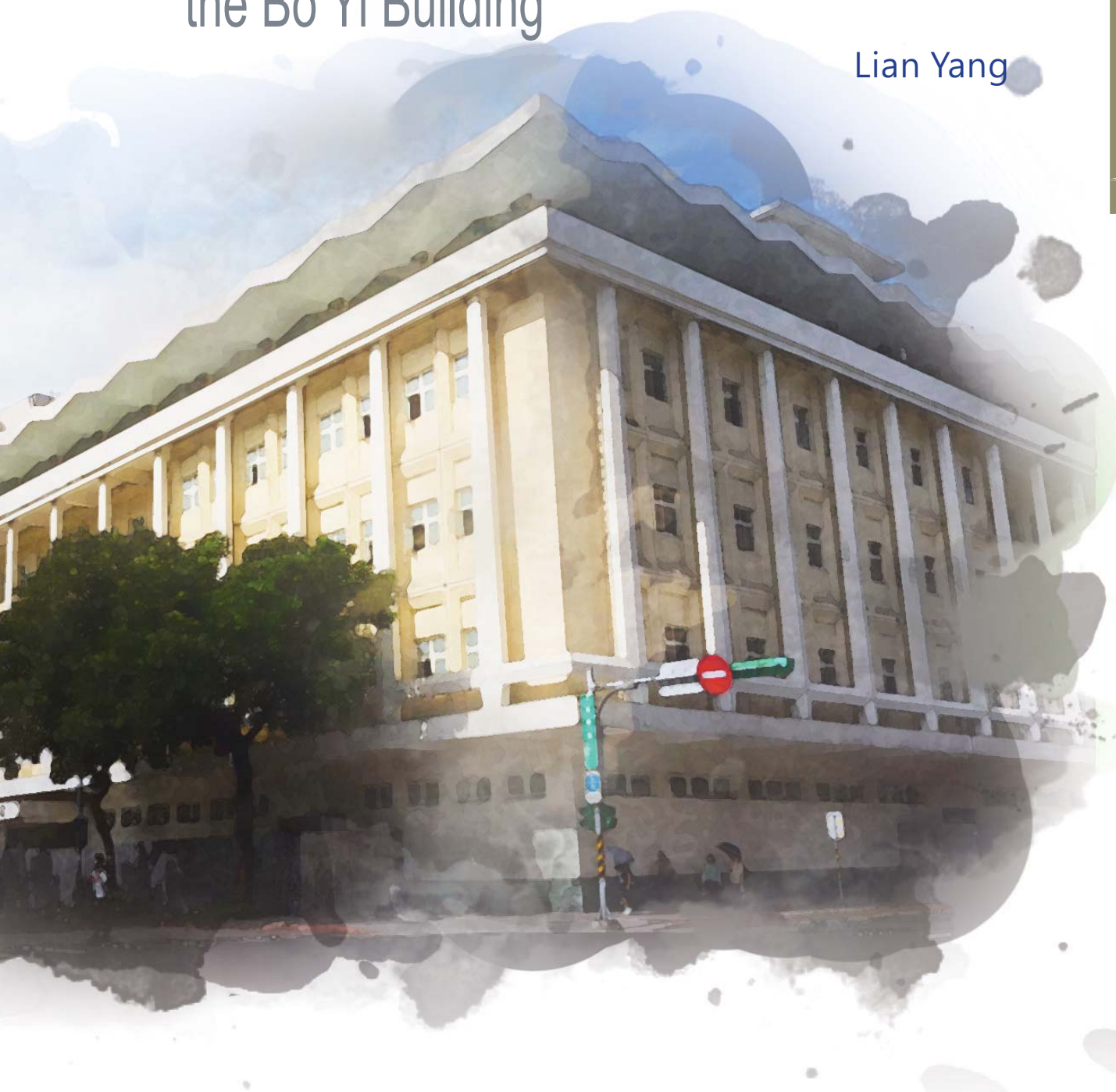
Written by Prosecutors Investigator Lian Yang.



The Renovation of the Office Building of the Bo Yi Building

Lian Yang

The Renovation of the Office Building of the Bo Yi Building



I. The Planning Department

The Ministry of Justice(MOJ)strived to obtain a budget from the Executive Yuan to resolve the current situation of the Taiwan High Prosecutors Office, the Intellectual Property Department and the Taipei District Prosecutors Office, which were not enough for use. After Ministry of National Defense moved to the Dazhi BoAi camp site, the Boyi Building (No. 164, Boai Road, Zhongzheng District, Taipei City) was used to take over the project. The Boyi Building was built in 1973. It was a building of one-story on the underground and five-story on the ground. Due to insufficient earthquake resistance and many old areas, it was necessary to re-plan five major pipeline air-conditioning and fire-fighting facilities and other projects. The case was awarded to Taiyi Construction Co., Ltd. for NTD 331.5 million in July 2018. The completion date is expected on the 15th Nov 2019. The first floor of the Bo Yi Building was used by the Presidential Office and the Taiwan High Prosecutors Office. The third to fifth floors were used by the Taiwan High Prosecutors Office and the Intellectual Property Office. The first and second floors are taken over by the Taipei District Inspection Office. The first and second floors are taken over by the Taiwan Taipei District Prosecutors Office. The Taiwan Taipei District Prosecutors Office is planning to set executive section, a consultation room, the rehabilitated criminals protection association, the crime victims protection association, the procuratorate association and other units on the first floor. The second floor is planned to have the accounting office, personnel office, probation office, probation assistant office, and a intern judicial office and so on. Upon completion, the problem of the insufficient office space will be resolved and will save the huge rent required for renting office buildings. Therefore, It will promote the convenience of contacting the public.



II. The Basic Information of The Project

A. Construction year: 1973.

B. Building form: RC Building.

C. Floor: one-story on the underground and five-story on the ground.

D. Floor area of the main building (m²): 18145 m².

E. Evaluation of earthquake resistance:

- The original construction: X direction A_p value: 0.0597g
Y direction A_p value: 0.0677g
- After reinforcement: X direction A_p value: 0.2439g
Y direction A_p value: 0.2882g

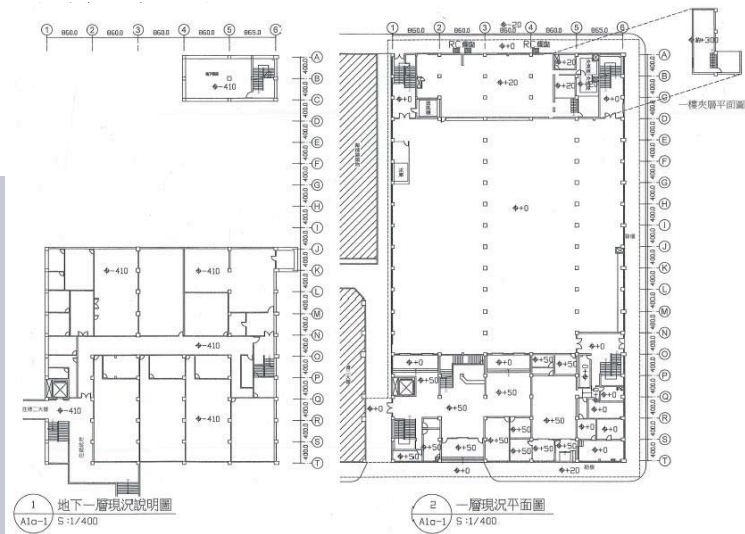
F. Earthquake reinforcement method: adding 42 shear walls.

G. Engineering schedule: commenced on August 28, 2018. expected completed on November 15, 2019.

H. Commissioned design supervision unit: Xie Jianhua Architects Office.

I. Awarded vendor : Taiyi Construction Co. ,Ltd .

III. Pre-renovation Plan and Photos



Pre-renovation plan(B1F, 1F)



2016.06.14 Pre-renovation photos(B1F)



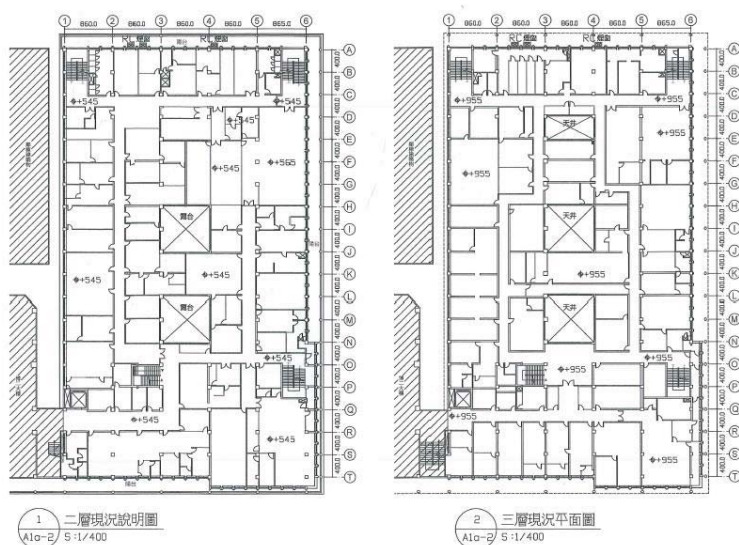
2016.06.14 Pre-renovation photos(B1F)



2016.06.14 Pre-renovation photos(1F)



2016.06.14 Pre-renovation photos(1F)



Pre-renovation plan(2F, 3F)



2016.05.16 Pre-renovation photos(2F)



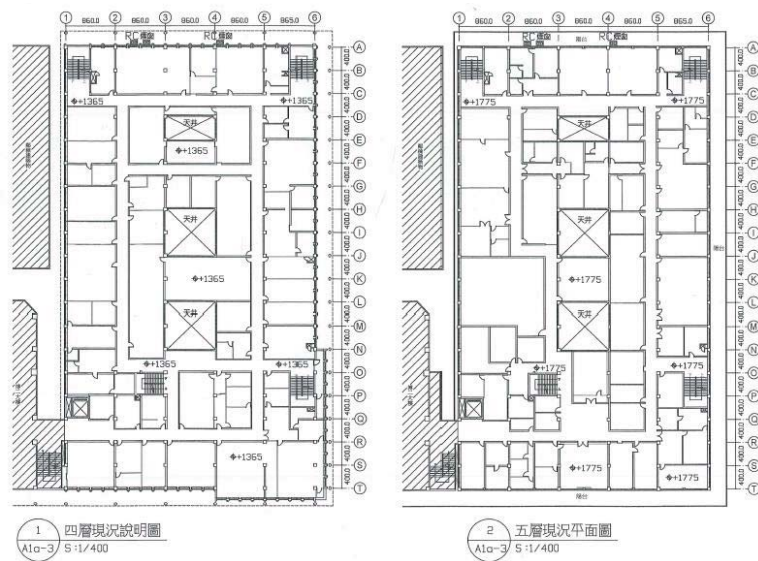
2016.05.16 Pre-renovation photos(2F)



2016.05.19 Pre-renovation photos(3F)



2016.05.18 Pre-renovation photos(3F)



Pre-renovation plan(4F, 5F)



2016.05.05 Pre-renovation photos(4F)



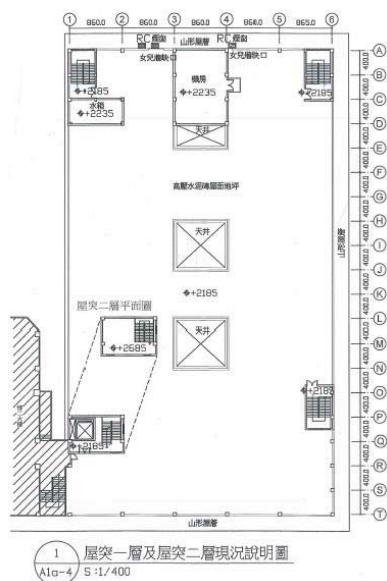
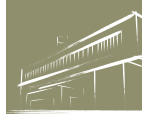
2016.06.06 Pre-renovation photos(4F)



2016.06.06 Pre-renovation photos(5F)



2016.06.06 Pre-renovation photos(5F)



Pre-renovation plan(RF)



2016.06.13 Roof



2016.06.13 Roof

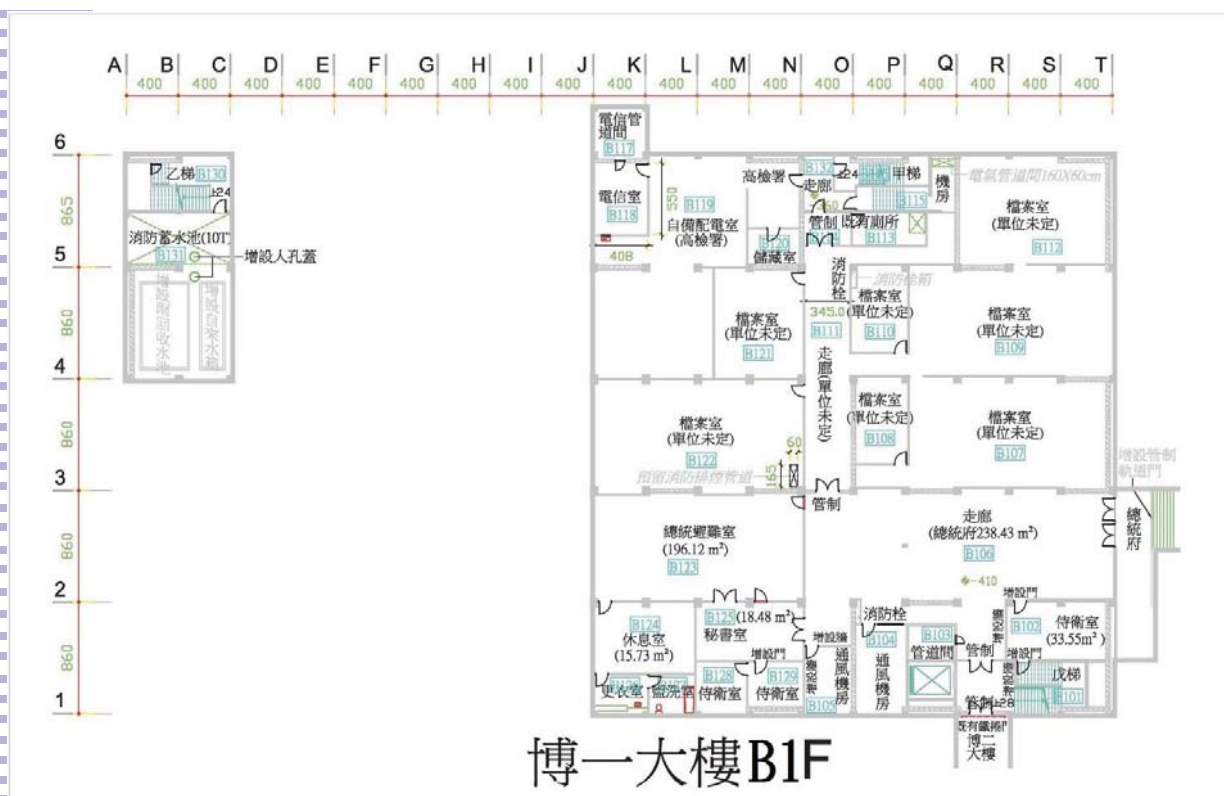
IV. Layout After The Renovation

Usage of each floor

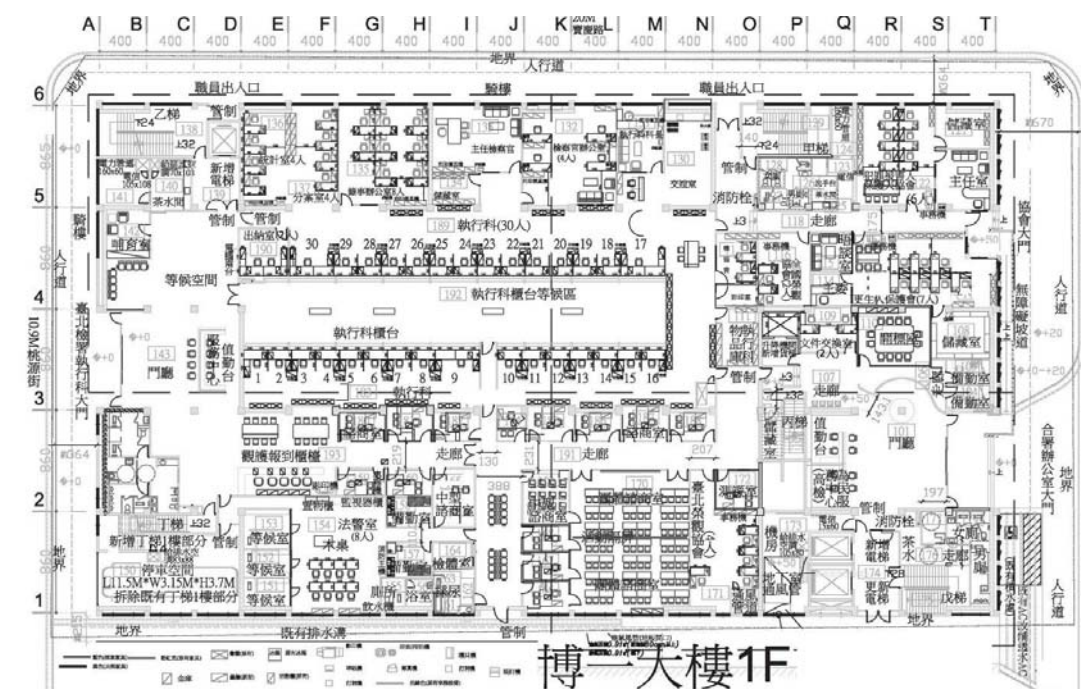
- B1/F: High and low voltage distribution, storeroom of Taiwan High Prosecutors Office, the refuge space of presidential palace.
- 1/F: Enforcement Section, Bailiff Office, Consultation Room of Taiwan Taipei Prosecutors Office, Association for Victims Support, the Prosecutors

Association, Taiwan After-care Association ,etc., the entrance hall of Taiwan High Prosecutors Office.

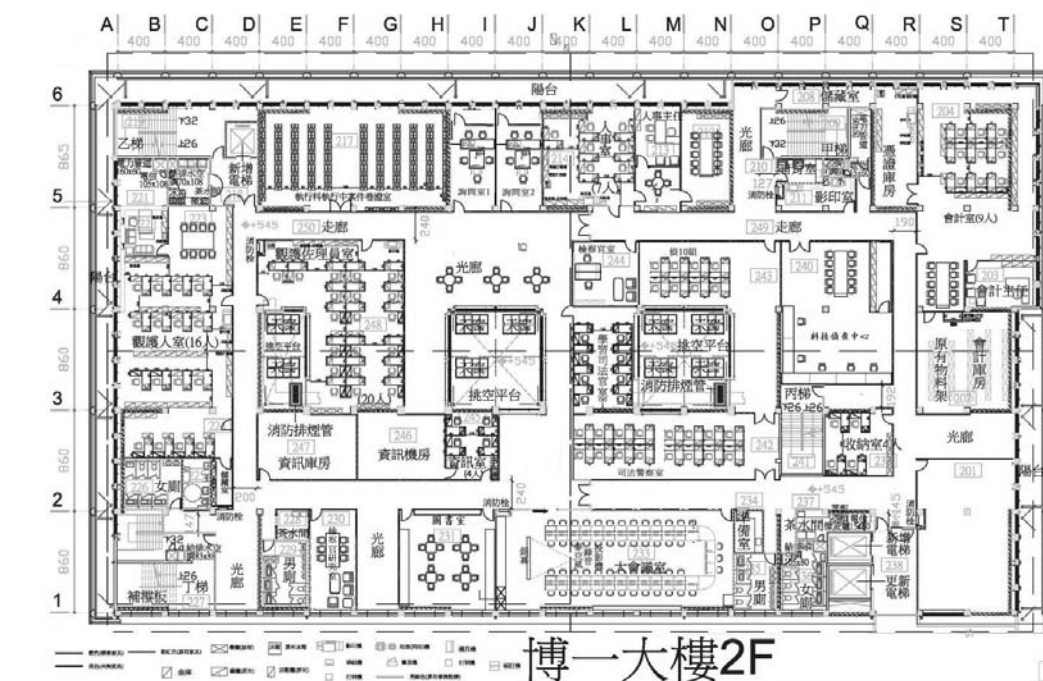
- 2/F: Taiwan Taipei Prosecutors Office, Accounting Office, Personnel Office, Probation Office, Assistant Probation Officer Room, Information Management Office, Meeting Room, Digital Technology Investigation Center ,etc.
- 3/F: Office of Taiwan High Prosecutors Office.
- 4/F: Office of Taiwan High Prosecutors Office.
- 5/F: Office of Taiwan High Prosecutors Office and Intellectual Property Branch, Taiwan High Prosecutors Office.
- 6/F: air conditioner and emergency generator facilities.



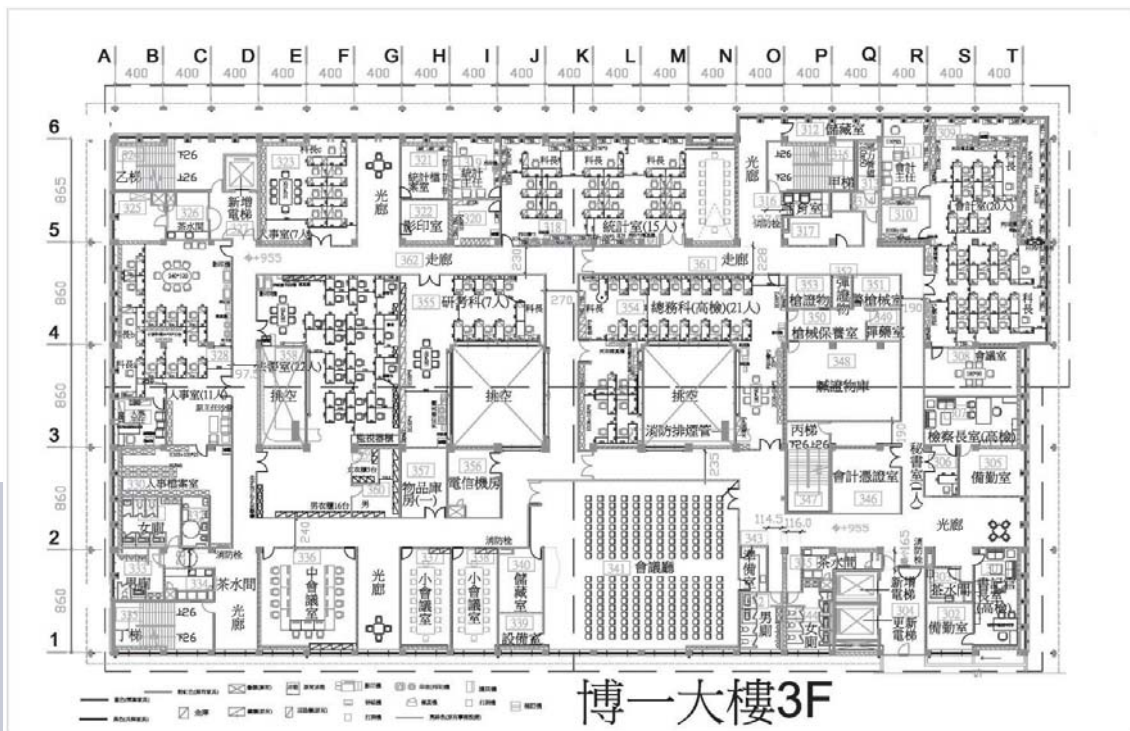
Layout after the renovation (B1F)



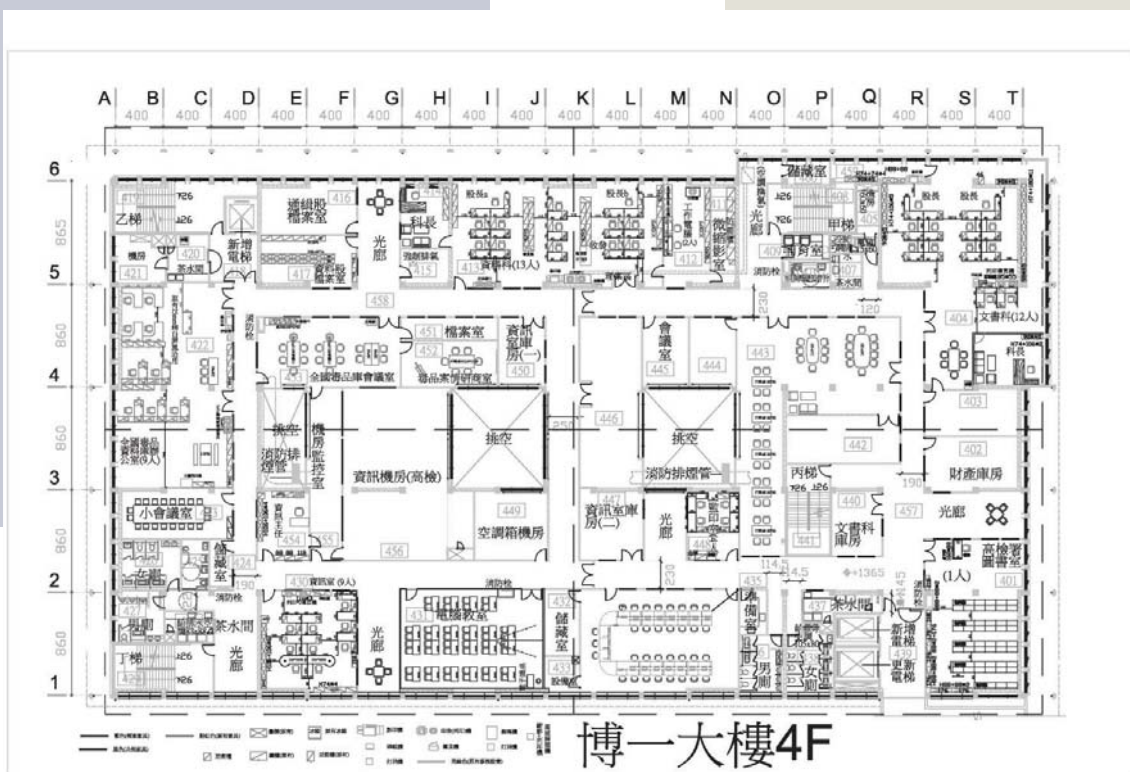
Layout after the renovation (1F)



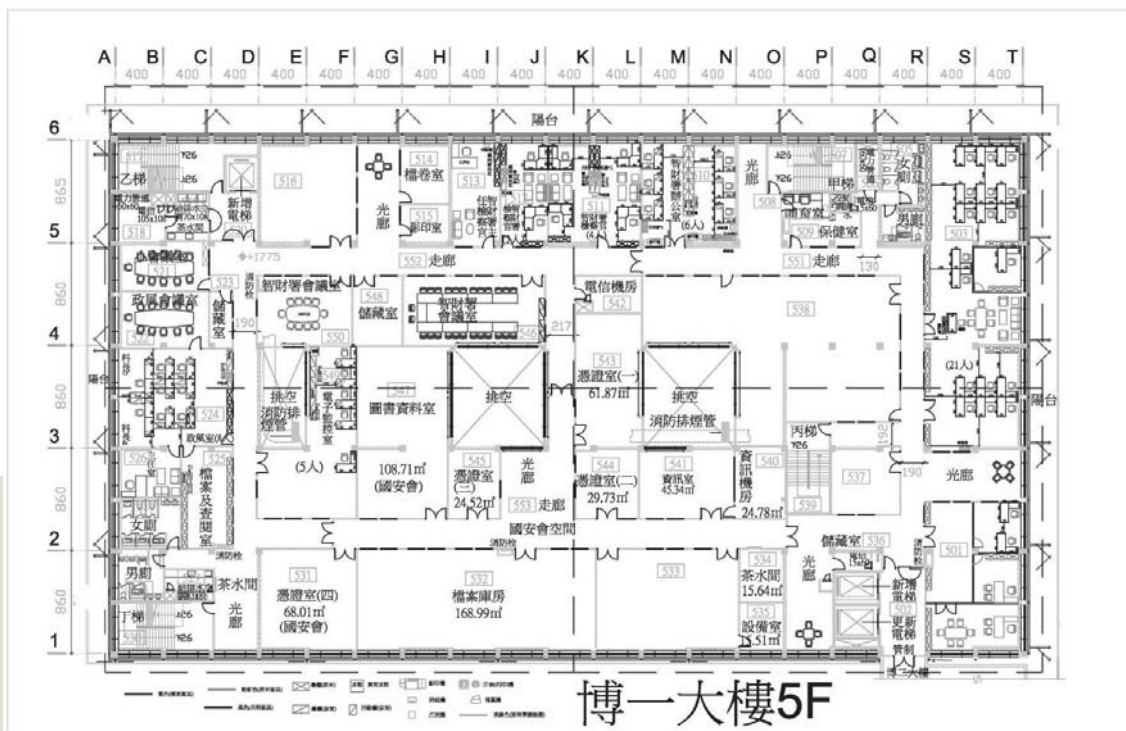
Layout after the renovation (2F)



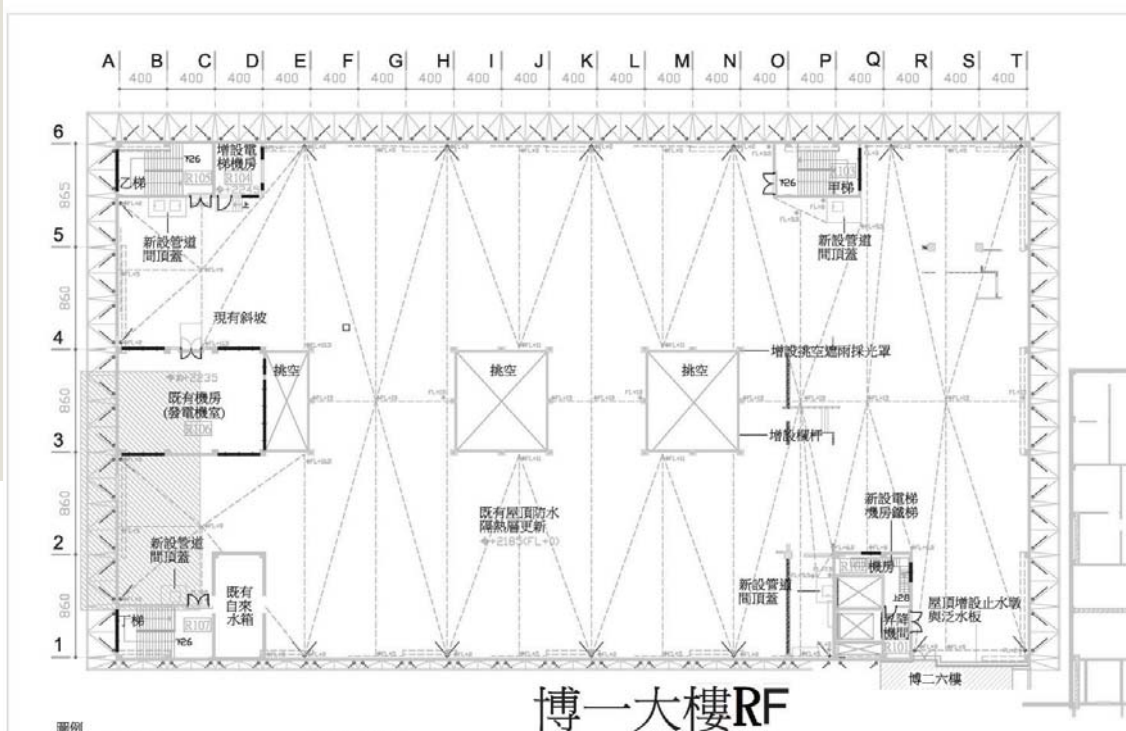
Layout after the renovation (3F)



Layout after the renovation (4F)



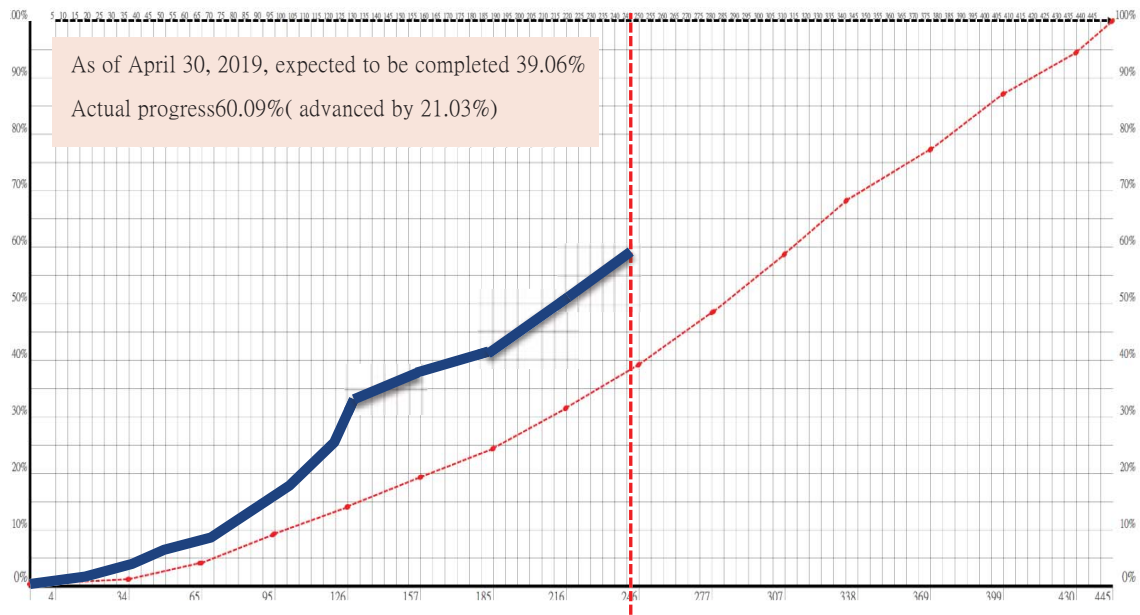
Layout after the renovation (5F)



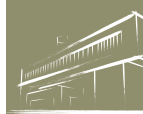
Layout after the renovation (RF)

V. Plan Schedule

The project started on August 28, 2018. The original plan is scheduled to be completed on November 15, 2019. As of April 30, 2019, the progress was advanced by 21.03%, which is expected to be completed in advance in August or September of 2019.



Time Item	107					108										
	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11
Scheduled progress for the month	0.12%	1.12%	2.95%	3.93%	5.48%	5.93%	4.55%	7.33%	7.57%	9.35%	9.77%	9.47%	9.43%	9.52%	8.25%	5.16%
Actual progress of the month	0.59%	2.15%	4.72%	8.71%	15.56%	3.68%	3.01%	9.21%	7.57%							
Cumulative schedule progress	0.12%	1.32%	4.27%	8.20%	13.68%	19.61%	24.16%	31.49%	39.06%	48.41%	58.17%	67.64%	77.06%	86.58%	94.84%	100%
Cumulative actual progress	0.59%	2.74%	7.46%	18.60%	34.16%	37.84%	40.85%	50.06%	60.09%							
Advance (backward) progress	0.47%	1.42%	3.19%	10.4%	20.48%	18.23%	16.69%	18.57%	21.03%							
Amount executed this month																



VI. Construction Status and Photos

Renovation Project of Bo Yi Building

- Falsework
 - Temporary water, electricity, information equipment and rental fees
 - Elevator inside scaffold (contains protective measures) fees
 - Floor protection panel
 - Indoor movable scaffold
 - Temporary support when floor slab is removed, etc.

- Structural reinforcement project
 - RC shear wall construction
 - Building foundation reinforcement construction
 - RC wall construction
 - Partial floors newly built C-shaped steel beam construction

- Demolition and discard project
 - Demolition and discard of partial B1F and 1 to 5 floor
 - Demolition and discard all equipment of existing
 - Demolition and discard of elevator passages
 - Demolition and discard of existing ceiling
 - Demolition and discard of existing floor decoration
 - Demolition and discard of existing lift
 - Demolition and discard of the relevant structure and the construction mixture of the scheduled demolition scope shown on blueprint ,etc.

Completed!

Renovation Project of Bo Yi Building

- Waterproof project(>85%)
 - 2/F, 5/F balcony (canopy) waterproof construction (>60%)
 - Roof folding eaves waterproof construction(>85%)
 - Roof waterproof insulation construction is OK
 - Roof tanks and overhang lids waterproof construction o (>80%)
 - Basement RC water tank and roof tank waterproof construction(>80%)
 - Bath and toilet waterproof construction
- Interior decoration project
 - Floor renovation construction (>20%)
 - Ceiling renovation construction (>10%)
 - Wall decoration construction (>50%)
 - Hall decoration and decoration construction, etc.
 - Light steel frame calcium silicate board and reinforced fiber cement board grouting wall light compartment construction(>82%)
- Door and window project(accessible)
 - Always open fire doors
 - Always close fire doors
 - Engine room fire door
 - Fire and smoke prevention maintenance door between pipes(installing)
 - Atrium fireproof roller shutter(installing)
 - Enforcement Section entrance window style door
 - Indoor living room honeycomb melamine plywood door (waiting for selecting color)
 - Indoor living room corridor ventilation horizontal axis window and 1/F outdoor entrance flood control gate



Renovation Project of Bo Yi Building

- Elevator engineering
 - Renovation of existing elevators (B1F~5F)
 - A new set of elevator for personnel
 - A new set of elevator for personnel and cargo
 - Building structure of new elevators (B1F~5F)

- Indicating system engineering
 - Signboards of space allocation
 - Floor indicators for elevators
 - Indicator boards in the hall
 - Indicator boards in the staircase
 - Indicator boards in the parking area

- Others
 - Partitions of toilets
 - Partitions boards between men's urinals
 - Stainless steel ladders
 - Stainless steel armrests (>40%)
 - Fire proof filler



2019.05.23 Photos during construction (B1F)



2019.05.23 Photos during construction (B1F)



2019.05.23 Photos during construction (1F)



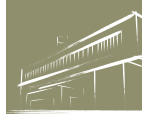
2019.05.23 Photos during construction (1F)



2019.05.23 Photos during construction (1F)



2019.05.23 Photos during construction (1F)



2019.05.23 Photos during construction (2F)



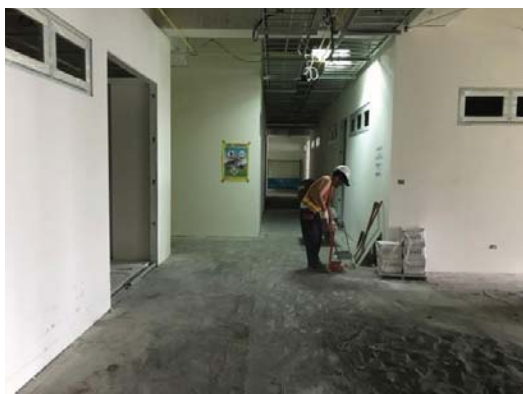
2019.05.23 Photos during construction (2F)



2019.05.23 Photos during construction (3F)



2019.05.23 Photos during construction (3F)



2019.05.23 Photos during construction (4F)



2019.05.23 Photos during construction (4F)



2019.05.23 Photos during construction (5F)



2019.05.23 Photos during construction (5F)



2019.05.23 Photos during construction (RF)



2019.05.23 Photos during construction (RF)

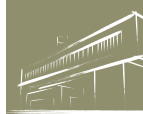
VII. Engineering Supervision

The Chief Prosecutor assigned Prosecutor Investigator Lian-Yang to take charge of the engineering affairs of the renovation project, and also invited the staffs who would move into the building in the future to visit the scene on May 8, 2019, so that they could know the future working environment in advance. Also, the Chief Prosecutor had went around and inspected the scene for several times during the renovastion period , and had given some points for improvement, especially those relating to safety issues, barrier-free environment, and the design principal of simplicity and brightness. These orders were listed below.



Date	Orders by the Chief Prosecutor
January 2 nd , 2019	The wall that separated the meeting room (R233) and the preparation room (R232) should be removed so that the two rooms could be merged into a large meeting room. The pipeline space of water and electricity, for the bars in the two meeting rooms (R231 & R233), should be reserved. Air supply and power sources for R243, R240 and R242 should be reserved.
January 4 th , 2019	The Chief Prosecutor decided the styles of tables and chairs of R170 and R233
February 11 th , 2019	The Chief Prosecutor decided the styles of system cabinets of R231 and R233.
February 20 th , 2019	The Chief Prosecutor decided the styles of floor tiles of the Execution Office.
March 11 th , 2019	The Chief Prosecutor decided the styles of furniture of the corridor in 2F.
March 18 th , 2019	The Chief Prosecutor decided the styles of public chairs of the Execution Office.
April 15 th , 2019	The height of the counters of the enforcement section on the first floor was reduced from 125CM to 116CM for more intimate; the pillars in the parking space of the prison car should be moved because it's hinder parking and moving route.
April 30 th , 2019	The sofa and office chair style are selected, and the office chair legs are made of durable aluminum alloy.
May 6 th , 2019	The enforcement section counter should adopt an open counter design; The staff of Office 5 will be settled on the second floor of the Bo Yi Building. And 2 Investigation Room will be set up at the current Prosecutor Research Office (216) and the Chief Prosecutor Research Office (215). The prosecutor investigator office 10 and the office space of investigators will be located in rooms 243, 240 and 242.
May 8 th , 2019	All the resident departments visited the Bo Yi Building. The Chief Bailiff suggested that the windows of the bailiff office and the urine collection room on the first floor should be provided with iron grating to prevent people from escaping and swapping urine.

May 9th,2019	<p>The enforcement section counter on the first floor should adopt an open counter and remove partition and glass barrier. Both the desktops and front of the counters adopt with flat design to make the visual unobstructed. The lifting screen equipment of the conference room on the second floor is not installed temporarily because of the less budget. The relevant reserved openings will still be implemented however. The room 240 will be planned to set up the "Technology Investigation Center" in the future, and the storage room 230 will be changed to the "Prosecutor's Research Office" and included in the storage room 210. The windows of the bailiff office and the urine collection room should be provided with iron grating to maintain safety.</p>
May 13rd,2019	<p>The view should be unobstructed, and the wall of the walkway from the counter to the consultation room on the first floor is changed to a low compartment. In addition, in order to make criminal not enter the activity area of the probation officers, the Inquiry rooms should be located in the the space 165 and connected to the bailiff office. For the safety of probation officers in consultation, the front door of the 13 consultation rooms on the first floor should be changed to transparent glass doors.</p>
May 17th,2019	<p>The desktops of the counters of the enforcement section, the probation office and the halls on the first floor were changed to granite and the wooden skirting boards below were cancelled. And the ceiling grille and toilet guides on the first floor were selected according to the color selection of the procurement building.</p>
May 22nd,2019	<p>The both sides of the gate of Taoyuan Street should be greening with small flower beds. The area from main entrance to the tarmac road is built into a gentle slope for convenience of disabilities and not allowed driving on the sidewalk. The signboard of office 2 is set above the gate horizontally with a horizontal English sign on the inside.</p>



<p>June 11th, 2019</p>	<p>The glass door of the consultation room on first floor is opened inwards (considering that the corridor cart may collide and the air conditioner is not open in winter, the door needs to be opened for ventilation), and the wooden door is opened outwards (escape from danger in times of crisis).</p> <p>The Criminal Protection Association Office, The Honorary Probation Association Office, and the copying room on the first floor is designed to open the window along the side of the corridor, the direction is right and left, and the screen window is used to prevent mosquitoes (the air conditioner is not open in winter, and the window needs to be ventilated). The windows should be the same size and neatly arranged.</p> <p>Considering of ventilation, bright, spacious, The toilets need to open windows on the first and second floor. The barrier-free toilets (NO.145) need to integrate with the universal toilets (NO.148) on the first floor to increase the space for comfortable. The Prosecutor Association (NO.112) moved to the location of the copying room (NO.117). The copying room was divided into two compartments, one for the Prosecutor Association and one for the copying room, both of which required air conditioning.</p> <p>Due to the demand for handling the case, the investigation room(NO.1, 2), the prosecutor office, the prosecutor investigator office, the Science and Technology Investigation Center on the first floor, except the Prosecutor office and the prosecutor investigator office independently control the air-conditioning, all need to control the air conditioner to save electricity.</p>
<p>June 17th, 2019</p>	<p>Due to improve ventilation and moving lines, the disabled toilets on the first floor of Area C(NO.145) are changed to general toilets(NO.148), and the toilets of men and women (NO.147, 144) are enlarged. Futuremore, the space of NO.146 is cancelled, and the sinks are moved to the toilets of men and women. The toilet doors of NO.148 are redirected to the side of Boai Road.</p> <p>The artificial stone at the executive office counter is changed the material to granite. Then remove the separate wall (LINE M) of executive office counter to the granite counter. It will be U-shaped counter overall to make no visual barrier and ventilation. Besides, we'll remove the wall of artificial stone at the executive office counter to paint. The saving funds will be used to pay the construction of the toilets at C area and the windows, partition wall of related departments. If the funds are not enough, the Prosecutors Association will temporarily stay in the third basement, then renovation when there is funding.</p>



2019.01.02 Chief Prosecutor made a visit



2019.04.15 Chief Prosecutor made a visit



2019.04.26 the prosecutor investigator participates in weekly work meeting



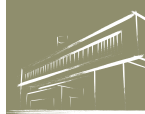
2019.05.06 Chief Prosecutor made a visit



2019.05.08 The colleagues visited Bo Yi Building



2019.05.08 The colleagues visited Bo Yi Building



2019.05.22 Chief Prosecutor made a visit



2019.06.11 Chief Prosecutor made a visit

For the construction quality of Bo Yi Building, asking the contractor, Taiyi Construction Co., Ltd, and commissioned design supervision unit, CHIEH CHIEN-HUA Architecture Firm, to inspect materials with the specifications and to ensure quality control, and to complete the project as scheduled.



2018.12.20 The examine of fire protection indicator light



2018.12.20 The examine of fire protection host computer



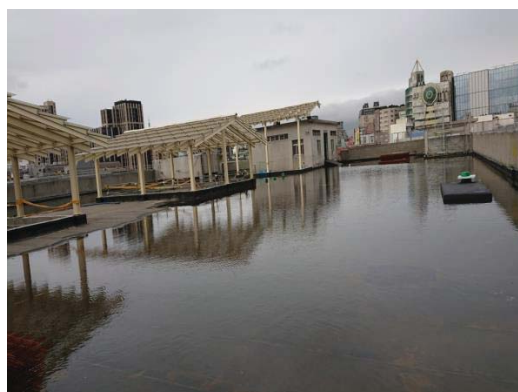
2019.01.07 The reinforcement examine of shear walls



2019.01.11 The strength test of calcium silicate boards



2019.01.13 The Chloride test of concrete



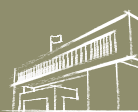
2019.02.15 The waterproof test of roofs



2019.03.21 The examine of polished quartz bricks in arrival



2019.03.25 The examine of high and low piezoelectric switchboard in the factory



2019.03.27 The hot insulation and rebar nets check of roofs



2019.04.19 The compressive strength test of concrete



2019.04.30 The examine of pipelines



2019.05.15 The examine of doors and windows

VIII. After the Renovation



2018.09.11 1/F Lobby (Reception area)



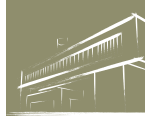
2018.09.11 1/F Enforcement Section



2018.09.11 2/F Conference Room



2018.09.11 2/F Science and Technology Investigation Center



2018.09.11 1/F Reception area of Probation Office



2018.09.11 2/F Probation Office



2018.09.11 1/F Group Counseling Room



2018.09.11 1/F Counseling Room