FSD Connects with the Construction Industry to Speed up Building Plan Processing and Acceptance Inspection of FSI

A briefing was conducted to the Construction Industry by FSD on 24 November 2017 with the attendance of AP, RFSIC and other building professionals/stakeholders as well as representatives from government departments. The presentation is now uploaded for the trade's reference. Apart from the enhancement measures taken by FSD, the main feature of the presentation includes a detailed analysis of real rejected cases for better illustration.

While the improvement measures adopted by FSD as given in the presentation may help expedite the process in part, cooperation from building professionals and the trade is no less important for ensuring the statutory procedures of processing GBPs and acceptance inspection of FSI are carried out in an efficient manner. Drawing from the experience in recent years, FSD has identified several areas in which the building professionals could contribute to speed up the process for a timely delivery of building projects, namely –

- (i) ensuring quality building plan submissions to avoid repeated rejections and re-submission due to avoidable errors and omissions in the plans;
- (ii) confirming the necessity of the adoption of performance-based approach at the early stage of the project and submitting relevant engineering reports to FSD for assessment and approval as soon as practicable. As it requires a considerable amount of time for FSD to assess, with due care and diligence, whether the fire safety standard under the performance-based approach is acceptable, bunching of voluminous fire-engineering reports towards the final stage is highly undesirable and would inevitably delay the project delivery; and
- (iii) ensuring FSI have been properly installed and tested in accordance with the requirements stipulated in the relevant Circulars and guidelines before submitting application to FSD for acceptance inspection.

FSD will, in collaboration with the trade, continue its endeavour to achieve swift processing of GBPs and efficient acceptance inspection of FSI, with a view to facilitating a shorter property development cycle.



Construction Industry

FSD connects with the Construction Industry to speed up Building Plan Processing and Acceptance Inspection of FSI

24.11.2017

Welcoming Address

Assistant Director (Licensing and Certification) Ir. LEUNG Kwun-hong

Flow of Presentation

- Processing of Building Plans
 - Deputy Chief Fire Officer (Fire Safety)
 - Mr. CHAN Kam-fai
- Acceptance Inspection of FSIs
 - Deputy Chief Fire Officer (Licensing & Certification)
 - Mr. CHENG Sui-on
- Q & A session

Deputy Chief Fire Officer (Fire Safety) Mr. CHAN Kam-fai

Full scale review in 2014

Objectives

- Reduce processing time
- Increase approval rate

Consideration

Change to established procedures

- Resources implication
- Cooperation from the trade

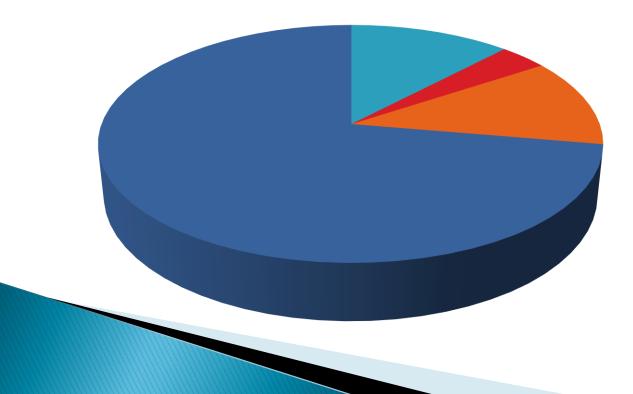
Principle

100% detailed check to all submissions



1. Prioritization of submissions

Types of Submissions



- New / Major revision
- Resubmitted
- Final amendment
- Amendment

- 1. Prioritization of submissions
 - Two milestones in building projects
 - Commencement to works
 - Occupation Permit
 - Top priority to:
 - New / Major submissions
 - Resubmitted submissions
 - Final Amendment submissions
 - Normal priority to:
 - Amendment submissions

- 2. Open policy in plan amendment
 - Increase approval rate
 - Reduce abortive work

- 3. Case Officer System
 - Stage 1(2014) Up to first approval

 Stage 2 (2016) – Follow through building projects

- 4. Notification mechanism
 - By Email FSD Case Officers notify BD Case Officer:
 - On receipt of submissions
 - Outcome of processing

- 5. 3-tier processing system
 - Quality assurance
 - Accuracy
 - Consistency

- 6. Manpower
 - Internal re-deployment
 - Additional resources of 12 officers
 - Employment of retired officers

- 7. Regular Liaison Meetings
 - FSD / AP Liaison Meeting
 - Fire Safety Standards Advisory Group meeting
 - FSD / Association of Registered Fire Service Installation Contractor meeting

Processing of Building Plans 8. Technical seminars





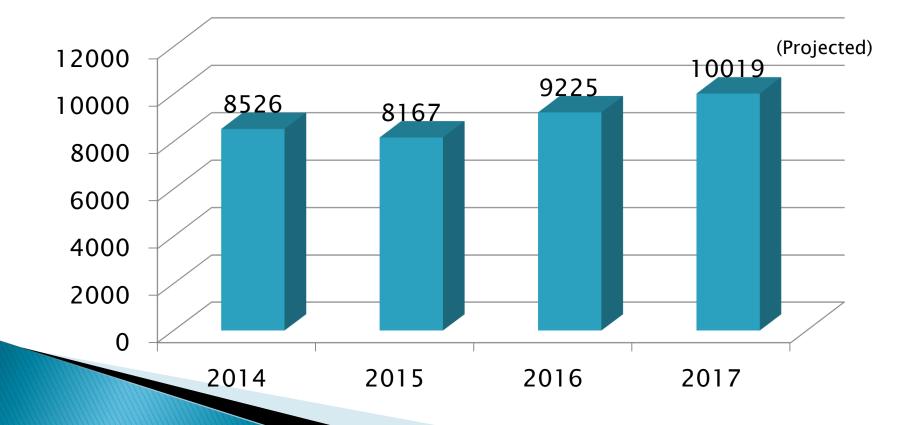
on 28 Nov 2017



in Jan 2018

Increasing Trend of GBP Submission

No. of GBP Submission Processed



1. Prioritization of submission

Priority	Туре	2016	2017	Oct 2017
	New/Major revision			100%
Тор	Resubmitted			100%
	Final	100%	100%	100%
-	Amended			

2. Open policy in plan amendment

97% submissions were approved

Way Forward

Review is not one-off

- Monitor prospective workload;
- Evaluate manpower position

Submission Timeliness and Quality

Fire Engineering Report

- Adoption of Performance-based approach at time close to final stage
- Cause abortive work and late completion of projects

Amendment Plans

Bundle amendments

Quality

Samples of Recent GBP Submissions for Sharing

Example for Plan Amendment (Example 1)

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15

Amendments to FS notes with multi-irregularities (15 nos.)

during plan amendment

Example 2

Original Version (FS notes with multiirregularities spotted by plan processing officer)

		FIRE HYDRANT & HOSE REEL SYSTEM) CL. 2/2017?		
100	1)	FIRE HYDRANT & HOSE REEL SYSTEM CL 27007	STANDARD 476: PART 7 OR ITS INTERNATIONAL EQUIVALENT, OR BE	
YAN	A) SEI	1 NO. EACH OF 2 CUM, F.S. WATER TANK TO BE PROVIDED TO TWE THE FIRE HYDRANT / HOSE REEL SYSTEM FOR EACH OF THE	BROUGHT UP TO THAT STANDARD DY USE OF AN APPROVED FIRE RETARDANT PRODUCT:	
	2	2m3 ES Tarles	9) DANGEROUS GOODS	
	(B) (C)	NO FIRE HYDRANT WILL BE PROVIDED.	ANY INTENDED STORAGE OR USE OF DANGEROUS GOODS AS DEFINED IN CHAPTER 295 OF THE LAWS OF HONG KONG SHLOULD BE	
		HOSE REEL TO BE PROVIDED FOR THE ENTIRE DEVELOPMENT SHOWN ON FLAN TO COVER 30M TO EVERY POINT.	NOTIFIED TO DIRECTOR OF #SD.	
	2)	MANUAL FIRE ALARM	10) VISUAL FIRE ALARM SYSTEM	
t	BAF	ANUALLY OPERATED FIRE ALARM SYSTEM WILL BE PROVIDED FOR	VISUAL FIRE SYSTEM WILL NOT BE PROVIDED AS THE BUILDING IS SOLELY FOR PRIVATE USE.	
	ACT	20RDANCE WITH BS 5839-12002 + AS:2008 FSD CL 1/2009, ONE TVATING POINT AND ONE AUDIO WARNING DEVICE TO BE LOCATED	11) SPRINKLER SYSTEM (ENHANCEMENT PROVISION)	
	FAC	EACH HOSE REEL POINT. THIS ACTIVATING POINT SHALL INCLUDE ILITIES FOR FIRE PUMP START AND AUDIOVISUAL WARNING ICE INITIATION WITHIN THE PREMISES.	A) AUTOMATIC SPRINKLER SYSTEM WILL BE PROVIDED TO COVER ALL PARTS AT B/F EXCEPT E & M PLANT ROOMS, PIPE DUCTS, ELECTRICAL DUCTS AND LIFT LOBBY.	
4.	3)	PORTABLE EXTINGUISHERS	B) THE SPRINKLER SYSTEM IS CLASSIFIED AS ORDINARY HAZARD	-
1	POR	TABLE EXTINGUISHERS WILL BE PROVIDED.	GROUP IL GARRY BHV	
	4)	EMERGENCY LIGHTING AND EXIT SIGN	C) THE AUTOMATIC SPRINKLER SYSTEM WILL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH LPC RULES INCORPORATING BS EN INSTALLED IN ACCORDANCE WITH LPC RULES INTO ACCORDANCE IN ACCORDANCE WITH PARATING BS EN INSTALLED IN ACCORDANCE WITH PARATING BS EN IN ACCORDANCE W	
2	EMERGENCY LIGHTING WILL BE PROVIDED TO ALL THE B/F AREA IN ACCORDANCE WITH 855266 PART 1:2011 & BS1838 :(1999) 30(2) D) 1 NO. EACH OF 70 CU M SPRINKLER TANK TO BE PROVIDED FOR			
5	EXIT ACC	SIGNS WILL BE PROVIDED TO ALL EXIT ROUTES FROM B/F IN ORDANCE WITH FSD CIRCULR LETTER NO. 5/2008.	EACH OF THE HOUSE ON BIF AS INDICATED ON PLANS. THE WATER SUPPLY IS SINGLE END FEED.	-
	5)	FIRE DETECTION SYSTEM	E) A DIRECT LINK CONNECTION TO BE PROVIDED TO THE FIRE SERVICES COMMUNICATION CENTRE	
4	A) ROO	FIRE DETECTION SYSTEM SHALL BE PROVIDED TO ALL PLANT	F) A SPRINKLER ANNUNICATOR PANEL TO BE PROVIDED AS INDICATED ON PLAN.	
	B) TO B 3/20	FIRE DETECTION SYSTEM SHALL BE INSTALLED IN ACCORDANCE ISSR/0-1-2002 + A2-2008 AND FSD CIRCULAR LETTER NO. 1/2000 AND 10.	G) SPRINKLER HEADS COVERING THE BIT SHALL OF FAST REPONSE PR	T
	DI	A FIRE DETECTION ANNUNCIATOR PANEL SHALL BE PROVIDED	10 SPRINKLER INI FT, SPRINKLER CONTROL VALVE, SPRINKLER	
		INDICATED ON PLAN.	PUMP TO BE PROVIDED AS INDICATED ON PLAN,	
	E) CON LINK	FIRE DETECTION SYSTEM AND FIRE ALARM SYSTEM SHALL BE NECTED TO FIRE SERVICES COMMUNICATION CENTRE BY DIRECT		
Ş.,	6)	VENTILATION /AIR CONDITIONING CONTROL SYSTEM		
	BUIL	IN A VENTILATION/AIR CONDITIONING CONTROL SYSTEM TO A DING IS PROVIDED, IT SHALL STOP MECHANICALLY INDUCED AIR EMENT WITHIN A DESIGNATED FIRE COMPARTMENT.		
	ŋ	EMERGENCY GENERATOR		
	SECO	RGENVY GENERATOR WILLINGT BE PROVIDED. HOWEVER, INDARY SUPPLY FOR ESSENTIAL SERVICES AND EMERGENCY THIG WILL BE GIVEN UPSTREAM OF THE MAIN ELECTRICAL CH OF EACH HOUSE.		
	8)	FLAME SPREAD		
	OF S	JININGS FOR ACOUSTIC AND THERMAL INSULATION PURPOSES IN INGS AND CONCEALED LOCATIONS SHALL BE CLASS 1 OR 2 RATE URFACE SPREAD OF FLAME AS PER BRITISH STANDARD 476: 7 OR ITS INTERNATIONAL EQUIVALENT. OR BE BROUGHT UP TO		

ALL LININGS FOR ACOUSTIC, THERMAL INSULATION AND DECORATIVE PURPOSES WITHIN PROTECTED MEANS OF ESCAPE SHALL BE OF CLASS 1 OR 2 RATE OF SURFACE SPREAD OF FLIMME AS PER BRITISH

THAT STANDARD BY USE OF AN APPROVED FIRE RETARDANT

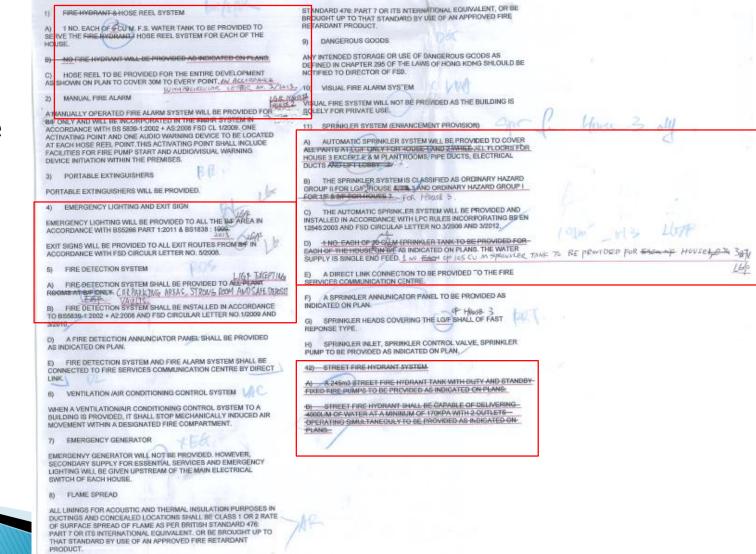
PRODUCT.

FIRE SERVICES NOTES

Example 2

FIRE SERVICES NOTES

Amended Version – AP's representative was allowed to make amendments by pasting a cover sheet at FSD's office.

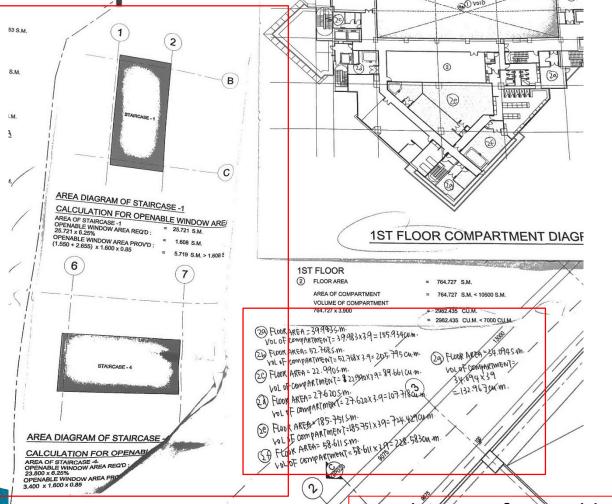


ALL LININGS FOR ACOUSTIC, THERMAL INSULATION AND DECORATIVE PURPOSES WITHIN PROTECTED MEANS OF ESCAPE SHALL BE OF

Recent Observations

- Common irregularities encountered
 - Omission of mandatory EVA requirements
 - Omission of window / compartment calculations
 - Fire Service Notes not tally with the building use
 - Omission of major FSIs
 - Omission of previous amendments

Omission of window / compartment calculations



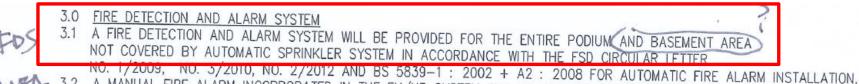
Supplement of openable windows and compartment calculation during plan amendment

A 24-storey domestic building with clubhouse on top of a 3-level podium used as shops, restaurants and bank

Minimum Fire Service Installations and Equipment (April 2012 Version) (the Code):-

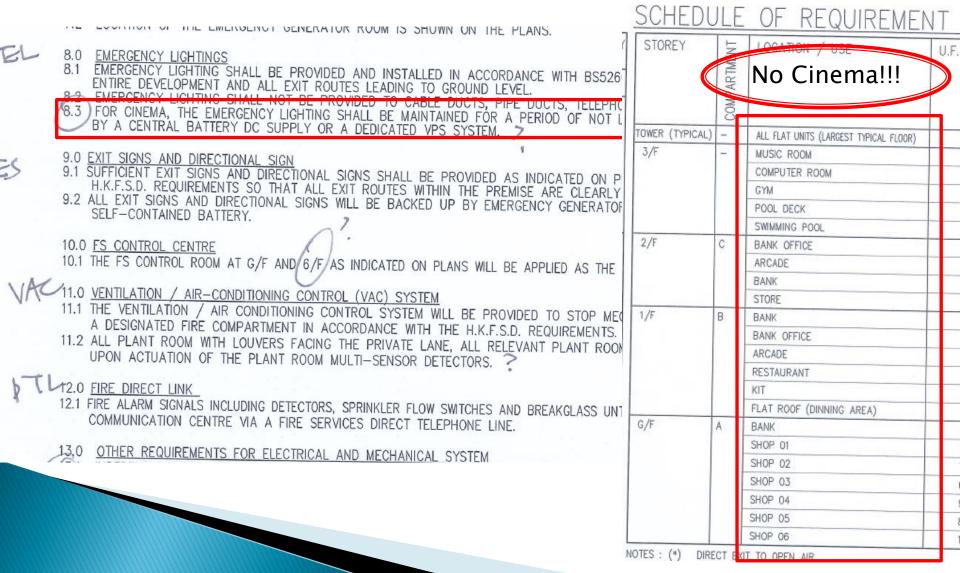
(i)	Fire service installations or equipment shall be provided in accordance with	
	paragraphs 4 14, 4 23 and 4 31 of the Code:	

- (ii) A proper set of FS Notes that tally with the layout plans shall be provided;
- (iii) All duplicated contents in FS Notes shall be erased;
- (iv) The stated occupancy for the design of sprinkler hazard group does not tally with the information provided on plans;
- (v) The set of FS inlet and sprinkler inlet shall be relocated to a prominent position on the exterior of the building.



3.2 A MANUAL FIRE ALARM INCORPORATED IN THE FH/HR SYSTEM WILL BE PROVIDED FOR PODIUM.



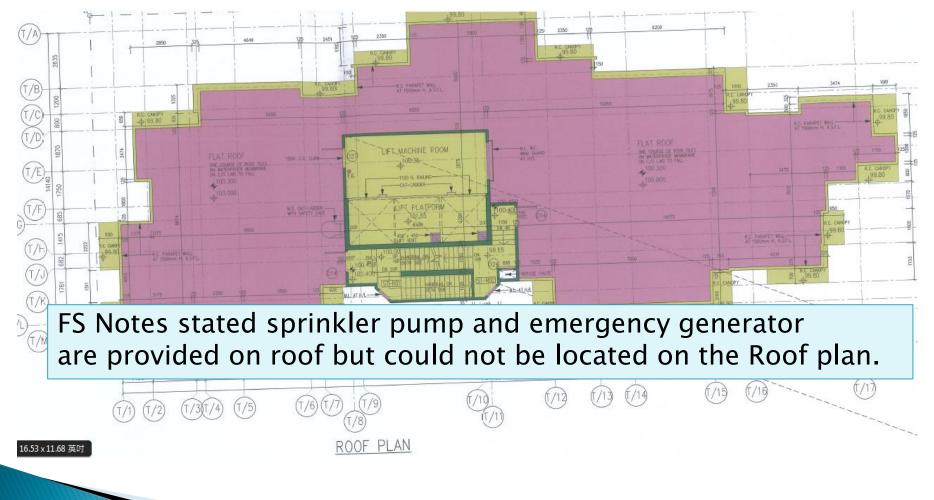


10.0 <u>FS_CONTROL_CENTRE</u>
10.1 THE FS CONTROL ROOM AT G/F AND 6/F AS INDICATED ON PLANS WILL BE APPLIED AS THE FS CONTROL CENTRE.
11.0 <u>VENTILATION / AIR-CONDITIONING CONTROL (VAC) SYSTEM</u>
11.1 THE VENTILATION / AIR-CONDITIONING CONTROL SYSTEM WILL BE PROVIDED TO STOP MECHANICALLY INDUCED AIR MOVEMENT WITHIN A DESIGNATED FIRE COMPARTMENT IN ACCORDANCE WITH THE H.K.F.S.D. REQUIREMENTS.
11.2 ALL PLANT ROOM WITH LOUVERS FACING THE PRIVATE LANE, ALL RELEVANT PLANT ROOM VENTILATION SYSTEM SHALL BE SHUT DOWN UPON ACTUATION OF THE PLANT ROOM MULTI-SENSOR DETECTORS.
12.0 <u>FIRE DIRECT LINK</u>
12.1 FIRE ALARM SIGNALS INCLUDING DETECTORS, SPRINKLER FLOW SWITCHES AND BREAKGLASS UNTIL WILL BE LINKED TO THE FIRE SERVICES COMMUNICATION CENTRE VIA A FIRE SERVICES DIRECT TELEPHONE LINE.
13.0 <u>OTHER REQUIREMENTS FOR ELECTRICAL AND MECHANICAL SYSTEM</u>
13.1 INDEPENDENTLY POWERED GENERATORS OF SUFFICIENT ELECTRIAL CAPACITY TO MEET THE ESSENTIAL SERVICES FOR TOWER AND PODIUM WILL BE PROVIDED AT 6/F.
13.2 ELECTRICAL CIRCUITS WILL BE PROVIDED BY MINIATURE CIRCUIT BREAKERS OR HRC CARTRIDGE FUSES.

AND BS EN 1838: 2013 THROUGHOUT THE ENTIRE PODIUM AND ALL EXIT ROUTES LEADING TO GROUND LEVEL

Fire Control Centre was located on G/F only, instead of on 6/F.

AUTOMATIC SPRINKLER SYSTEM 2.0 THE AUTOMATIC SPRINKLER SYSTEM WILL BE PROVIDED IN ACCORDANCE TO FSD CIRCULAR LETTER NO. 3/2006, 3/2012 AND LPC RULES INCORPORATING BS EN 12845: 2003. ND 2.2 THE HAZARD CLASSIFICATION IS ORDINARY HAZARD GROUP I. 2.3 INDEPENDENT AUTOMATIC SPRINKLER SYSTEM WILL BE PROVIDED TO SERVE TOWER'S OPEN KITCHEN TOGETHER WITH 3/F CLUB HOUSE. 2.4 THE 3/F CLUB HOUSE & TOWER SPRINKLER SYSTEM SHALL EQUIPPED WITH A 54,000L SPRINKLER WATER TANK ON 6/F. SPRINKLER PUMP ROOM AS SHOWN ON PLAN 2.5 THE TOWER SPRINKLER SYSTEM SHALL EQUIPPED WITH A 54,000L SPRINKLER WATER TANK ON 6/F. SPRINKLER PUMP SETS (DUTY & STANDBY)SHALL BE PROVIDED ON R/F. SPRINKLER PUMP ROOM AS SHOWN ON PLAN. SPRINKLER CONTROL VALVES AND INLETS WILL BE PROVIDED AT GYF AT POSITIONS AS INDICATED ON PLANS A SPRINKLER ANNUNCIATOR PANEL TO BE PROVIDED AT FIRE CONTROL 2.72.8 THE ALARM OF AUTOMATIC SPRINKLER SYSTEM WILL BE CONNEC (F.S.C.C.) USING THE SAME DIRECT LINE PROVIDED FOR THE Refuge areas stated on 2.9 THE SPRINKLER SYSTEM WILL BE PROVIDED TO COVER THE FS notes but no Refuge IN THE OTHER THE DE OF AN AFFROVED FIRE 4.6 STANDARD FSD REQUIREMENT FOR TRANSFORMER ROOM, Floor on plan!!! WILL BE COMPLIED WITH. LIFT MARKED "A" ON PLANS WILL BE ARRANGED AS FIREMAN'S LIFT. SELF-CONTAINED EMERGENCY LIGHTING WITH 2-HOUR BATTERY BACK-UP INSTALLED IN ACCORDANCE WITH BS5266 PART I: 2011 AND BS EN 1838: 2013 SHALL BE PROVIDED TO ALL STARCASE, PASSAGES AND PUBLIC AREAS INCLUDING LIFT LOBRIES ON ALL FLOORS AND REFUGE AREAS IN THE RESIDENTIAL TOWER & CLUB HOUSE. ANY INTENDED STORAGE OR USE OF DANGEROUS GOODS AS DEFINED IN CHAPTER 295 OF THE LAWS OF HONG KONG SHOULD BE NOTIFIED TO THE DIRECTOR OF FIRE SERVICES 4.10 A SECONDARY ELECTRICAL SUPPLY FROM EMERGENCY GENERATOR AT R/F AT LOCATION AS INDICATED ON PLANS WILL BE PROVIDED TO MAINTAIN ALL ESSENTIAL SERVICES OF PODIUM AND THE RESIDENTIAL TOWER (I.E. LIGHTING FOR ALL ESCAPE PASSAGE AND STAIRCASES, ILLUMINATION OF ALL EXIT SIGNS, OPERATION OF FIRE PROTECTION SYSTEMS, LIFT HOMING FOR ALL NON-FIREMAN'S LIFTS AND FIREMAN'S LIFTS)IN THE EVENT OF MAINS POWER FAILURE.



Omission of previous amendments indicated in the reply letter

in and clearly noted on your plans before the required certificate to be issued: -

- Amendment in last submission should be incorporated;
- (ii) Fire detection system should be provided to E&M plant rooms;
- (iii) Sprinkler system should be provided with water tank of 124 cu. metre; and
- (iv) Pressurization of staircase should be provided unless the aggregate area of openable windows of the rooms/units of the building exceed 6.25% of the floor area of those rooms/units, calculated on a floor by floor basis.

I should be grateful if you would re-submit two sets of plans incorporating the above requirements through the Centralized Processing System to this Department for formal approval. Meanwhile, one set of the plans is retained for record. The other set is ready for your collection at the <u>New Projects Division</u>, Fire Services Headquarters Building, <u>10th floor</u>, No. 1, Hong Chong

Amendments made in previous submission were not incorporated in the re-submission, plan rejected.

building plan(s). Your attention is invited to paragraph 4 of Appendix B of PNAP ADM-2 (Rev. 5/2011) in that if you do not collect the building plan(s) within 3 months from the date of this letter, the uncollected plan(s) will be deemed to be no longer required by you and will be disposed of without further notification.

Re-submission required

The building plans in respect of the above project have been examined and Fire Services Certificate (F.S. 161) under Section 16(1)(b) of the Buildings Ordinance cannot be issued due to non-compliance with the following requirements in accordance with the current Code of Practice for Minimum Fire Service Installations and Equipment (April 2012 Version) (the Code):-

- Fire service installations or equipment shall be provided in accordance with paragraphs 4.15 and 4.26 of the Code;
- (ii) The designed Hazard Group of the sprinkler system shall be stated clearly in FS Notes;
- The sprinkler tank size shall be previded in accordance with the LPC Rules incorporating BS EN 12845:2003 and the FSD Circular Letter 3/2006 for the designed Hazard Group;
- (iv) The sprinkler inlets and sprinkler valve shall be indicated on plans;
- (v) The FS tank shall be indicated on plans;
- Intermediate booster pumps shall be provided for building where the height between the topmost hydrant and the lowest FS inlet is in excess of 60m;

A series of uncorrectable irregularities, plan rejected.

(ix) The set of l

The set of FS inlet near Hung To Road shall be relocated to a prominent position on the exterior of the building;

Please also be reminded that EVA provision shall comply with the Code of Practice for Fire Safety in Buildings 2011 and APP-136 – Building (Planning) Regulation 41D Emergency Vehicular Access.

And and T. Champer in some 107-11.

Acceptance Inspection of FSIs

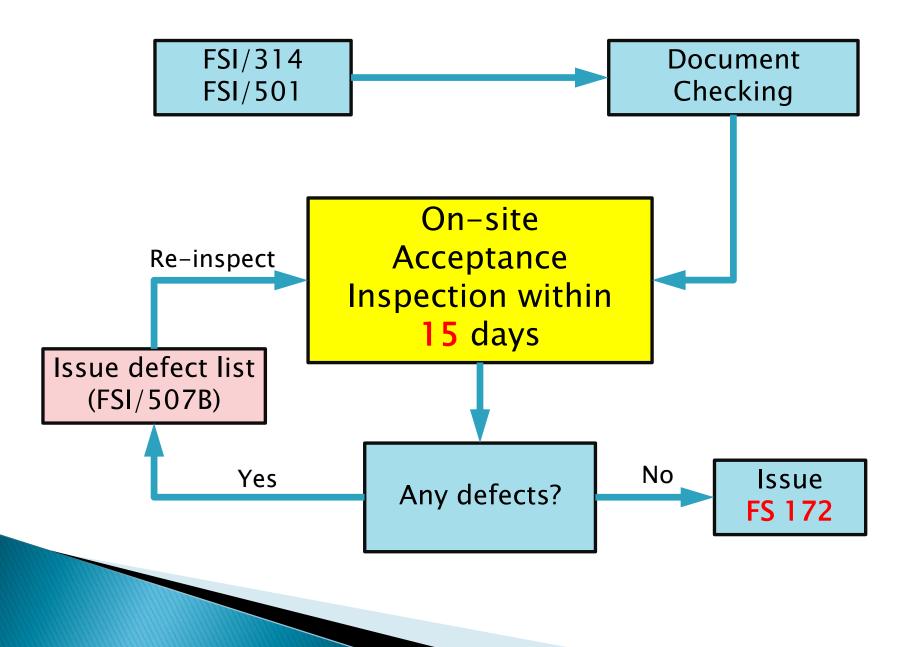
Deputy Chief Fire Officer (Licensing & Certification) Mr. CHENG Sui-on

Procedures for Acceptance Inspection of FSIs

Experience Sharing

- Documentary Submission
- FSI Acceptance Inspection
- Way forward

Workflow for FSI Acceptance Inspection



FSD Circular Letter No. 1/2015

- **Form FSI/501** : Application Form
- Form FSI/314 with two sets of as-fitted FSI layout plans*
- Testing and Commissioning (T&C) Checklists
- FSIs Equipment List & relevant supporting documents

* Smoke Control Systems required prior approval

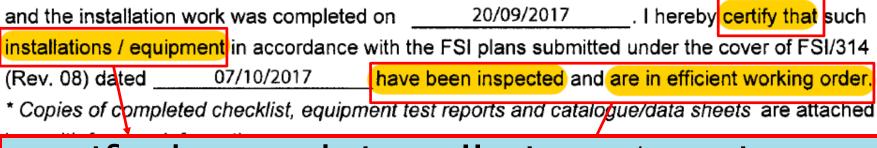
Form FSI/501 – Part A sign by RFSIC

Part A :

The above installations / equipment have been installed at (address of premises)

Peace Commercial Building, No. 28 Happy Lane, Lamma Island

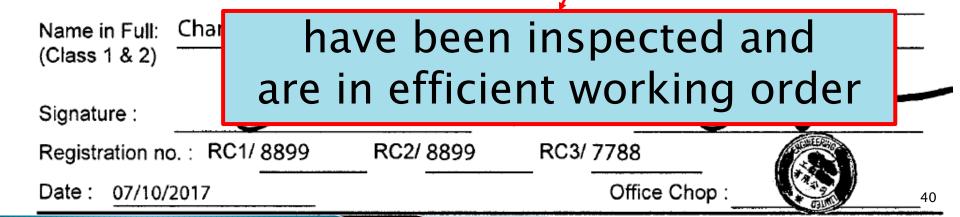
have been installed



Sampl

certify that such installations / equipment

Office address : 18/F, ABC Building, No. 38 Hong Chong Road, Tsim Sha Tsui, Kowloon



Form FSI/501 – Part B sign by AP



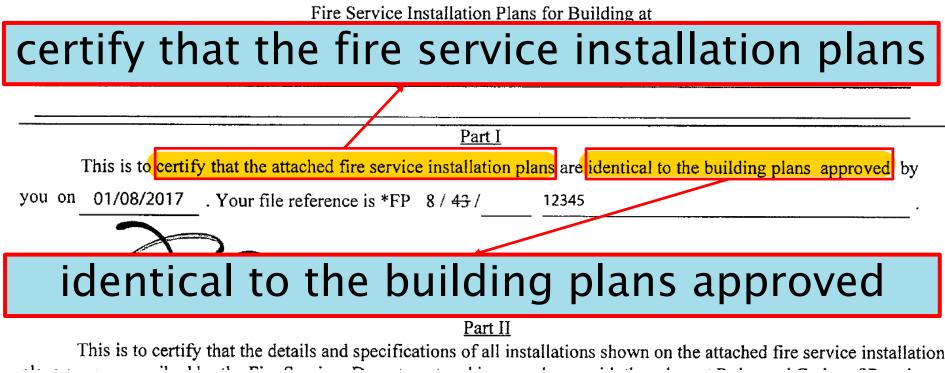
Form FSI/314 - Part I sign by AP

FSI/314



Appendix A

To: Director of Fire Services



Form FSI/314 - Part II sign by RFSIC
This is to certify that the details and specifications of all installations shown on the attached fire service installation plans are as prescribed by the Fire Services Department and in accordance with the relevant Rules and Codes of Practice as listed below :-
Rules of Fire Offices' Committee for : Automatic Sprinkler Installations (29th Edition)
certify that the details
and specifications of all installations
 Codes of National Fire Protection Association for : Carbon Dioxide Extinguishing Systems (Standard 12) Clean Agent Fire Extinguishing Systems (Standard 2001) Water Spray Fixed Systems for Fire Protection (Standard 15)
are as prescribed by FSD Relevant Rules and Codes of Practice
Others Visual Fire Alarm System, Street Fire Hydrant System
Signed Date 07/10/2017
Full Name of FSI Contractor/Consultant ABC Engineering Company Limited
Correspondence Address 18/F, ABC Building, No. 38 Hong Chong Road, Tsim Sha Tsui, Kowloon

Application for Acceptance Inspection

Years	FSI/501	No.	%
2016	received	560	_
	rejected	184	33
	withdrawn	62	11
	received	508	_
2017*	rejected	137	27
	withdrawn	68	13

* From Jan to Oct

Reasons for Application Rejection

ltems	2016		2017	
	No.	%	No.	%
Incomplete / Mistakenly-filled Form	85	46	64	47
Outstanding/Incomplete T&C Checklist	73	40	54	39
Outstanding/Incomplete Equipment List or Supporting Documents	26	14	19	14
Total:	184	-	137	-

Incomplete Input of Form FSI/501

- FSIs System not listed out /specified
- No approved GBP date
- Missing AP/RFSIC Name
- AP signature date earlier than FSI completion date
- Date of GBP not tally with approved one
 - Not an original signature

Outstanding/Incomplete T&C Checklists

- Actuation Devices and Operation of Fire Shutter
- CO₂/Clean Agent Extinguishing System
- Emergency Generator Installation
- Fire Detection and Fire Alarm System
- Fire Hydrant and Hose Reel System
- Staircase Pressurization System
 - Street Fire Hydrant System

Outstanding/Incomplete Equipment List or Supporting Documents

- Without signature on the list
- Missing information of systems or equipment
- Non-FSI load to emergency generator
- Approval of fuel tank room
- Insufficient FSI plans

Factors making Acceptance Inspection/ Functional Test IMPOSSIBLE

- Electricity power supply for FSIs unavailable
- Water for water-based FSIs unavailable*
- Incomplete installation of FSIs
- Numerous defects of FSIs

* Functional test continues if temporary water supply available

Factors making Acceptance Inspection/ Functional Test IMPOSSIBLE

Incomplete building works

- e.g. missing of fire doors for staircase pressurization system
- Temporary structures
 - e.g. blockage of sprinkler heads by working platform





xIncomplete pipework of sprinkler system



x Incomplete pipework of sprinkler system



x Blockage of sprinkler head



x Incomplete installation of concealed type sprinkler head



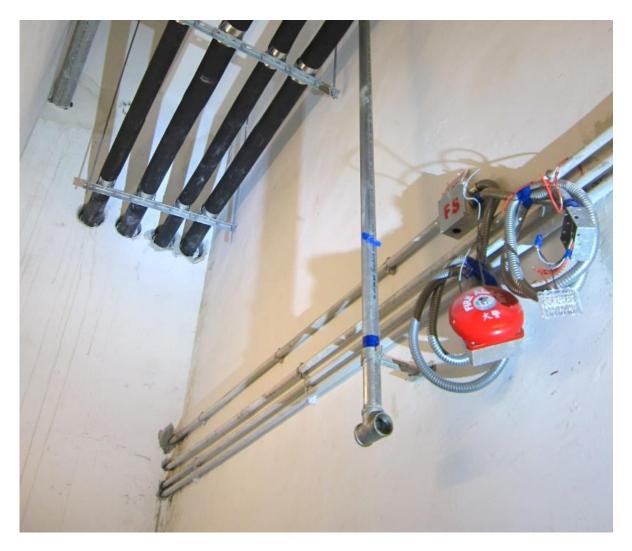
x Unavailable secondary power supply for FSIs and incomplete installation of supply power meter



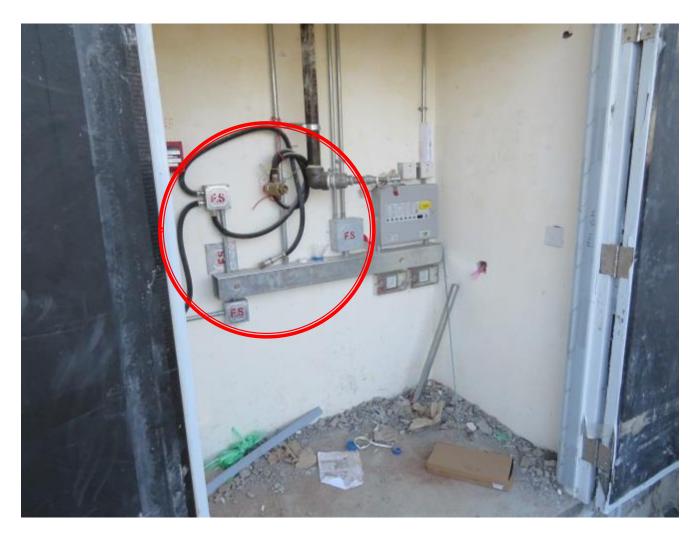
× Unavailable secondary power supply for FSIs and ______incomplete installation of emergency generator



x Incomplete installation of smoke detectors



x Incomplete installation of audio/visual alarms system



x Incomplete Installation of FSIs



x Improper installation of FSIs



x Improper installation of emergency lighting

FSI Acceptance Inspection

Discrepancies noted :

> Issue Inspection report

> List all the defective/ outstanding items for rectifications/ clarifications

Re-inspection First-come, first-served ASAP

SI/507B-1 (7/2007)	
	Fire Service Department / Fire Protection Command
	File No. 19/XXXXX
	/ Re-inspection Report on Fire Service Installation / VAC Control System / Extraction System / Pressurization of Staircase System Inspection and Testing
Part 1	
1. Building Address :	x0000000000000000000000000000000000000
2. Inspection Result : (Defects noted by Inspecting Officer) :-
21 DTL x mot	ronated
2.2 (in mullion	letter of trilling name is not submitted.
23 Continuition 1	lather of Albert & fielding Decemption to not admitted.
2.5 Amudment	& FSI socionent litt is required.
25 Amenderent	at TSI chief is Manind.
······	
*.	
	· · · · · · · · · · · · · · · · · · ·
Remark : AP/AP repre to be continued (sentative is confirmed that no lining material (F.S. notes 7.1 & 7.2) is installed in this project. Total
to be continued ((
3. A letter / memo conf	firming the above defects will / will not be sent
	Signature :
	Inspecting Officer : XXX XXX XXX
	Date: XX 1/2/XXXX
Part II	
P <u>art II</u> 4. I confirm that the de	fects as stated above have been brought to my attention
4. I confirm that the de	fects as stated above have been brought to my attention
 I confirm that the de Authorized person (or representative) 	
 I confirm that the de Authorized person 	fects as stated above have been brought to my attention

Way forward

Streamline the process of acceptance inspection

- Pre-inspection meeting with AP & RFSIC
 - On need basis
 - Documents checking
 - Formulation of inspection schedule

Way forward

- Prepare Inspection checklist for consistency of FSI acceptance
- FS Certificate
 - Amendments of building plans
 - Further document submissions



» Regular seminars for the trade, e.g. HKIA, FSIC & HKIE

> FAQ & Video in FSD website

> Letter to FSIC on FSD Circular Letter No.1/2015

Facilitation by AP / RFSIC

Observe FSD Circular Letter 1/2015

Ensure Site Readiness and Safety

Adopt Prescriptive Design Approach

 Provide Early Submission for Fire Engineering Design

Thank You