



**SCDF**  
The Life Saving Force

# FSM BRIEFING 2018

ENFORCEMENT STATISTICS &  
COMMON FIRE SAFETY NON-COMPLIANCES

KANG KIM LONG

ENFORCEMENT & PROSECUTION BRANCH  
CENTRAL ENFORCEMENT DEPARTMENT



# Scope of Presentation

- Introduction
- State of Fire Safety in Singapore
- Common Fire Safety Non-Compliances



# Introduction



**SCDF**  
The Life Saving Force



# Introduction




SCDF regulates fire safety to attain a fire-safe built environment

- Formulates fire safety policies
- Implements fire safety standards
- Partnering the industry players to improve on regulatory systems
- Maintains an effective regulatory regime that works well for the country



# Introduction

To create a fire safe environment by enforcing the FSA and achieved through

-  Scheduled fire safety checks
-  Responding to public feedbacks
-  Concerted joint efforts by SCDF, building managements, owners, FSMs and CERTs





# State of Fire Safety in Singapore

## 1<sup>st</sup> Half of 2018



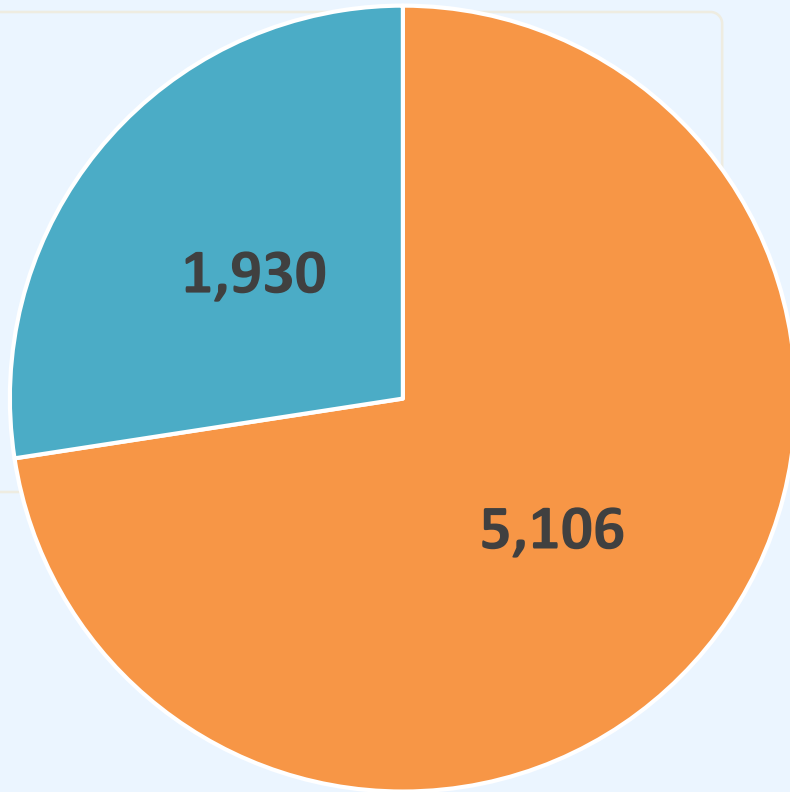
# Enforcement Checks

**7,036**

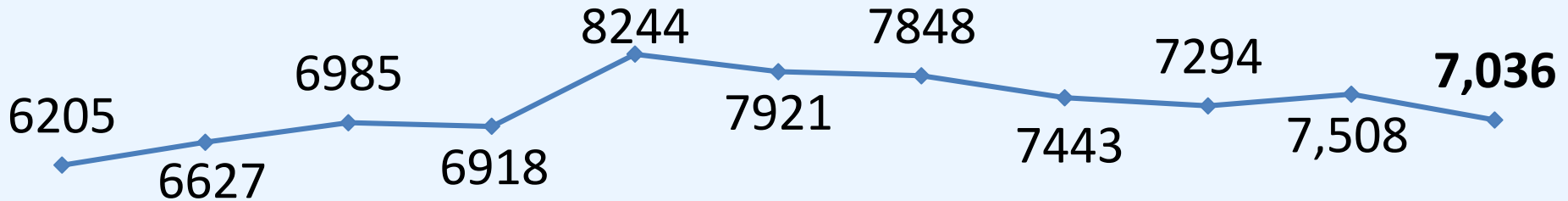
---

TOTAL  
ENFORCEMENT  
CHECKS

- Inspection by Fire Stations
- Inspection by CED Teams



# Enforcement Checks



Jan - Jun 2013 Jul - Dec 2013 Jan - Jun 2014 Jul - Dec 2014 Jan - Jun 2015 Jul - Dec 2015 Jan - Jun 2016 Jul - Dec 2016 Jan - Jun 2017 Jul - Dec 2017 Jan - Jun 2018

**Ensure the awareness of the importance of fire safety**





# Enforcement Notices

## Fire Hazard

Any matter or circumstances which materially increase the likelihood of fire or the danger to life or property that would result from the outbreak of fire

Fire Hazard Abatement Notice  
FHAN

968



# Enforcement Notices

## Fire Safety Offence

Contravention to requirements in Fire Safety Act and its regulations

Notice of Fire Safety Offence  
NFSO

1,200



# Fire Safety Enforcement Action



Fire Safety Non-Compliances

Fire Hazards

Fire Safety Offences

SCDF issues FHAN

*Fire hazard not addressed /  
recurred*

Escalate NOC / Court

SCDF issues NFSO / Court

*Violation not addressed /  
recurred*

Escalate NFSO / Court





**SCDF**  
The Life Saving Force

## STATE OF FIRE SAFETY IN OUR BUILDINGS

-  **7,036** fire safety inspections conducted in first half of 2018
-  **968** FHANs and **1,200** NFSOs issued



# Common Fire Safety Non-Compliances



# Fire Hazard

Any matter or circumstances which materially increase the likelihood of fire or the danger to life or property that would result from the outbreak of fire and includes



**Obstruction to means of escape**



**Obstruction to fire safety measures**



**Non-maintenance of fire safety measures**



**Missing / removal of fire safety measures**



**Overcrowding**



**Storage / Placement of combustible material along staircase/escape route**



# Common Fire Hazard

- Obstruction to means of escape



# Common Fire Hazard

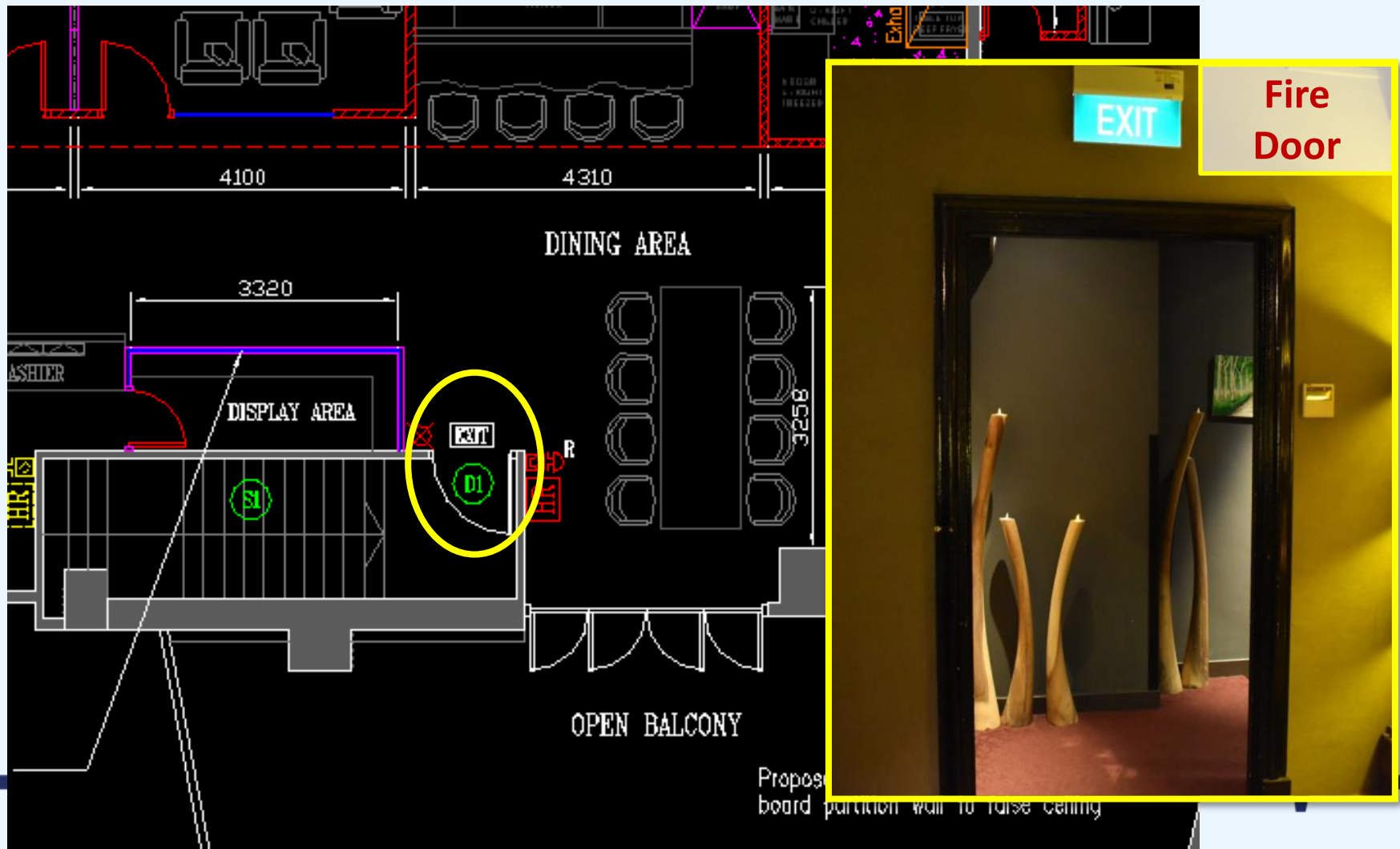
- Obstruction to fire safety measures





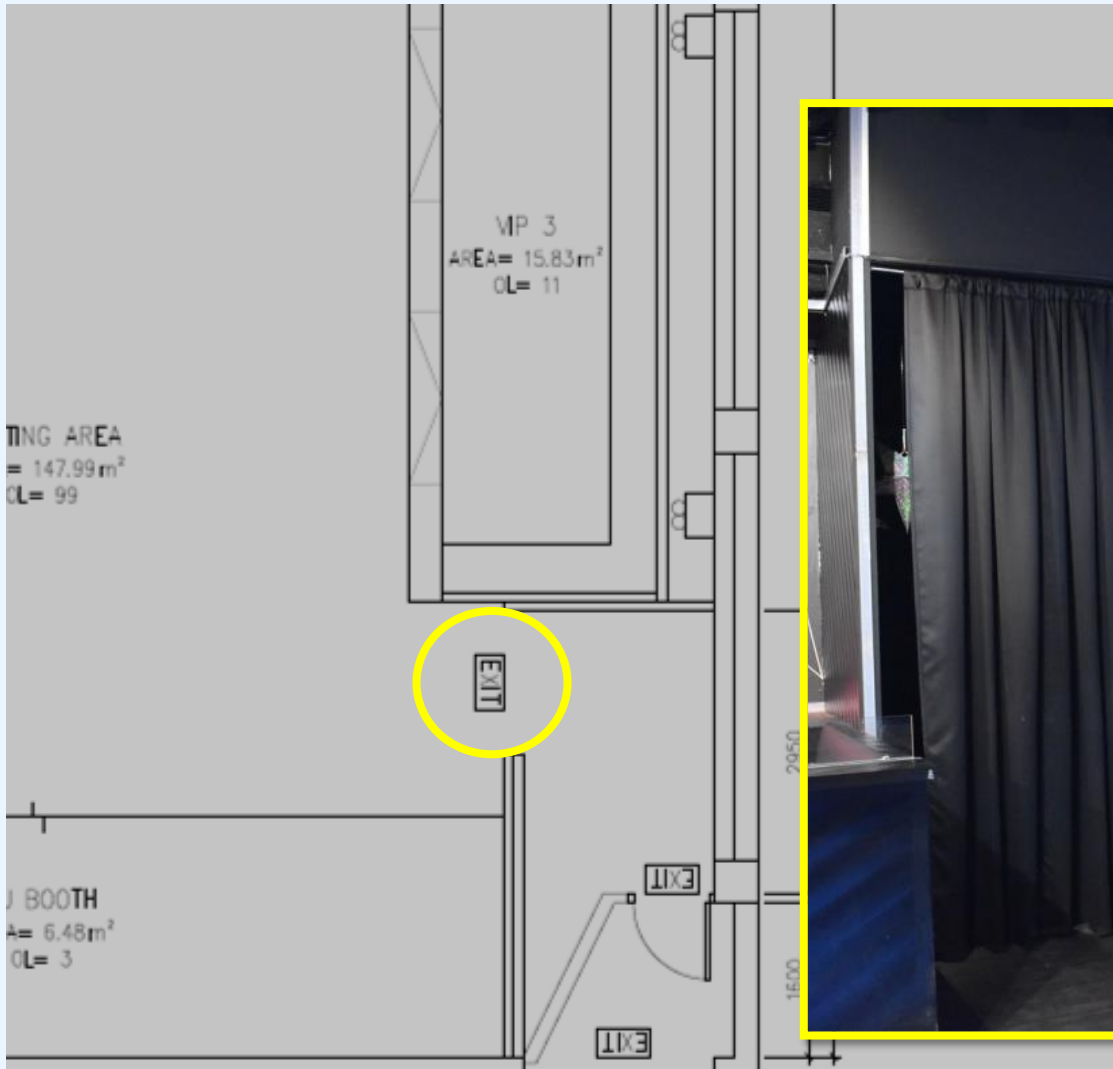
# Common Fire Hazard

- Missing / removal of fire safety measures



# Common Fire Hazard

- Missing / removal of fire safety measures



# Common Fire Hazard

- Overcrowding



# Common Fire Hazard

- Storage / Placement of combustible material

**Under Staircase Ramp**



**Electrical Room**



**Hosereel Compartment**



# Common Fire Hazard

- Non-maintenance of fire safety measures



Exit sign not lit with/without the “test” button depressed



Exit sign should be lit when the “test” button is depressed



# Common Fire Hazard

- Non-maintenance of fire safety measures



Emergency light is not in efficient working order when the bottom is not lit when the “test” button is depressed



Emergency light is in efficient working order when it is lit when the “test” button is depressed



# Common Fire Hazard

- Non-maintenance of fire safety measures



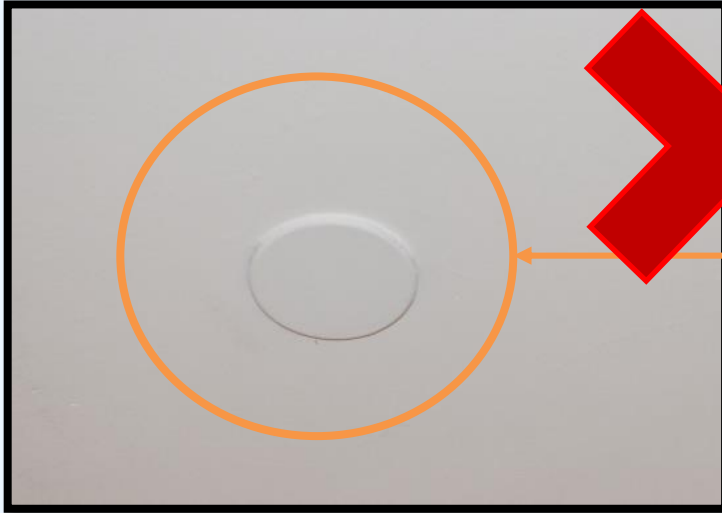
Hosereel nozzle missing

Hosereel is tested regularly with adequate throwing distance

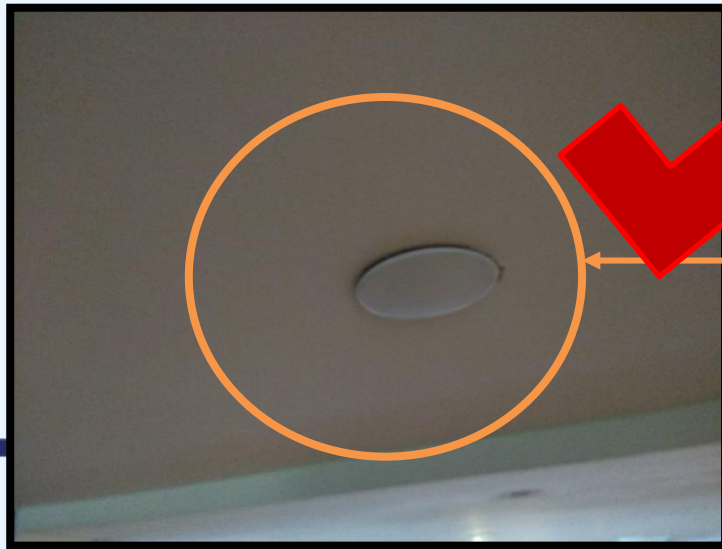


# Common Fire Hazard

- Non-maintenance of fire safety measures



Concealment of sprinkler is painted over



Concealment is properly enclosed with no seal





# Common Fire Hazard

- Non-maintenance of fire safety measures



Exit door wedge  
open



Exit door closed  
properly



# Common Fire Hazard

- Non-maintenance of fire safety measures



Door closer is spoilt



Door closer is in working condition

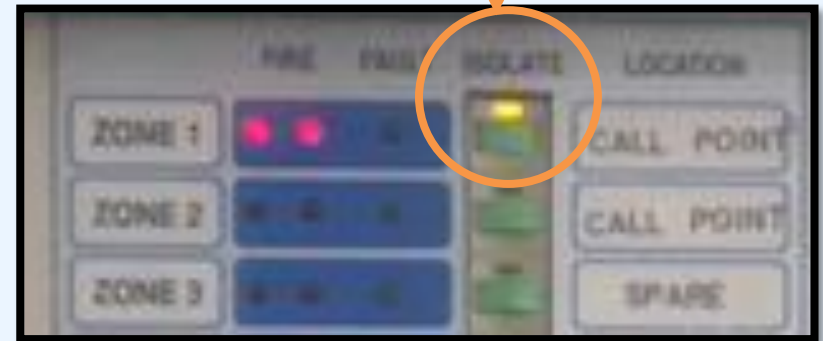


# Common Fire Hazard

- Non-maintenance of fire safety measures



Isolation / Fault showing at fire alarm panel should be investigated promptly and be rectified



# Common Fire Hazard

- Non-maintenance of fire safety measures



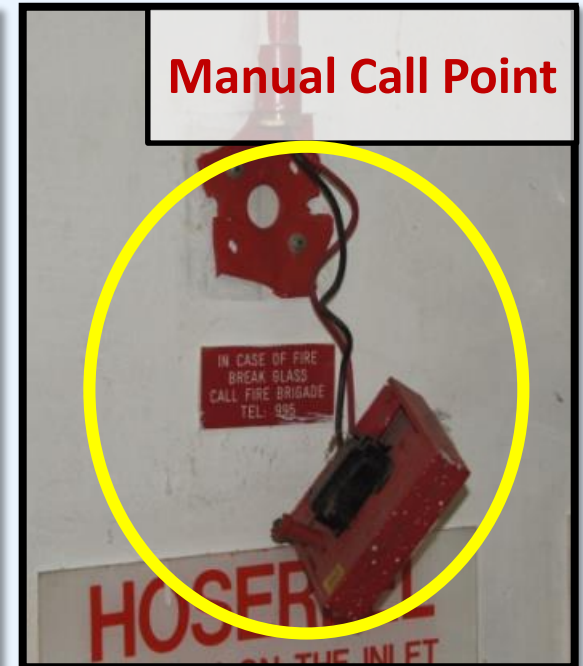
Fire Alarm System is to be "ON" and operationally ready at all times



# Common Fire Hazard

- Non-maintenance of fire safety measures

- Smoke detector / heat detector / manual call point found dislodged
- Smoke detector / heat detector / manual call point must be properly and regularly maintained

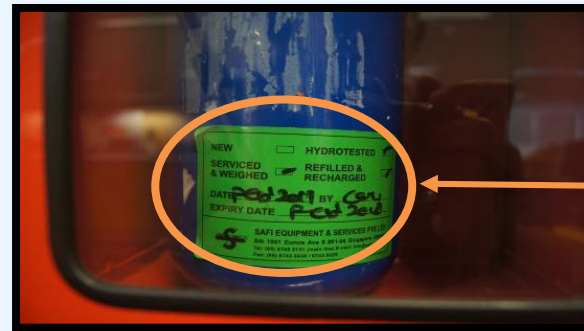


# Common Fire Hazard

- Non-maintenance of fire safety measures



Key to the fire extinguisher should be readily available

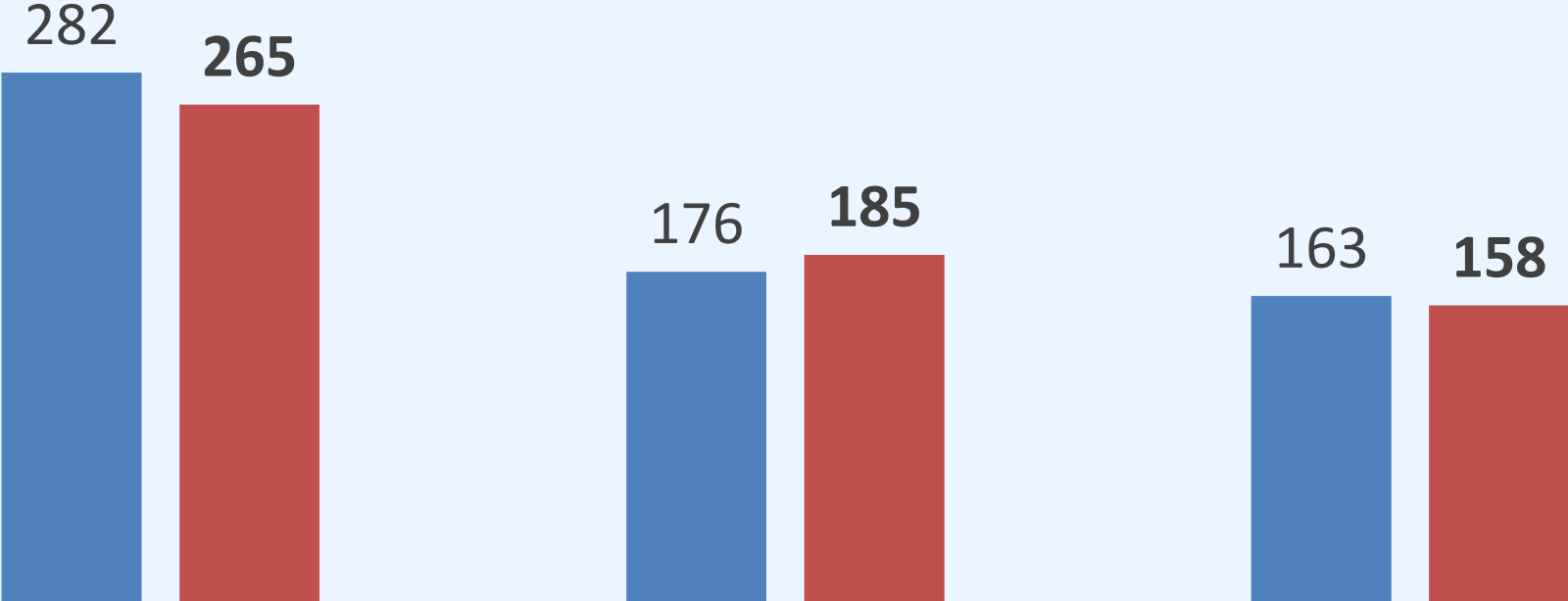


Fire extinguishers are to be maintained annually.



# Top Three Types of FHAN Issued

■ 1h 2017 ■ 1H 2018



Exit signs/emergency signs not being illuminated

Obstruction to exit/fire engine accessway

Non-maintenance of fire safety measures



# Fire Safety Offence

## Contravention to requirements in Fire Safety Act and its regulations



**Change the use of premises**



**Carrying out fire safety works without approval of plans**



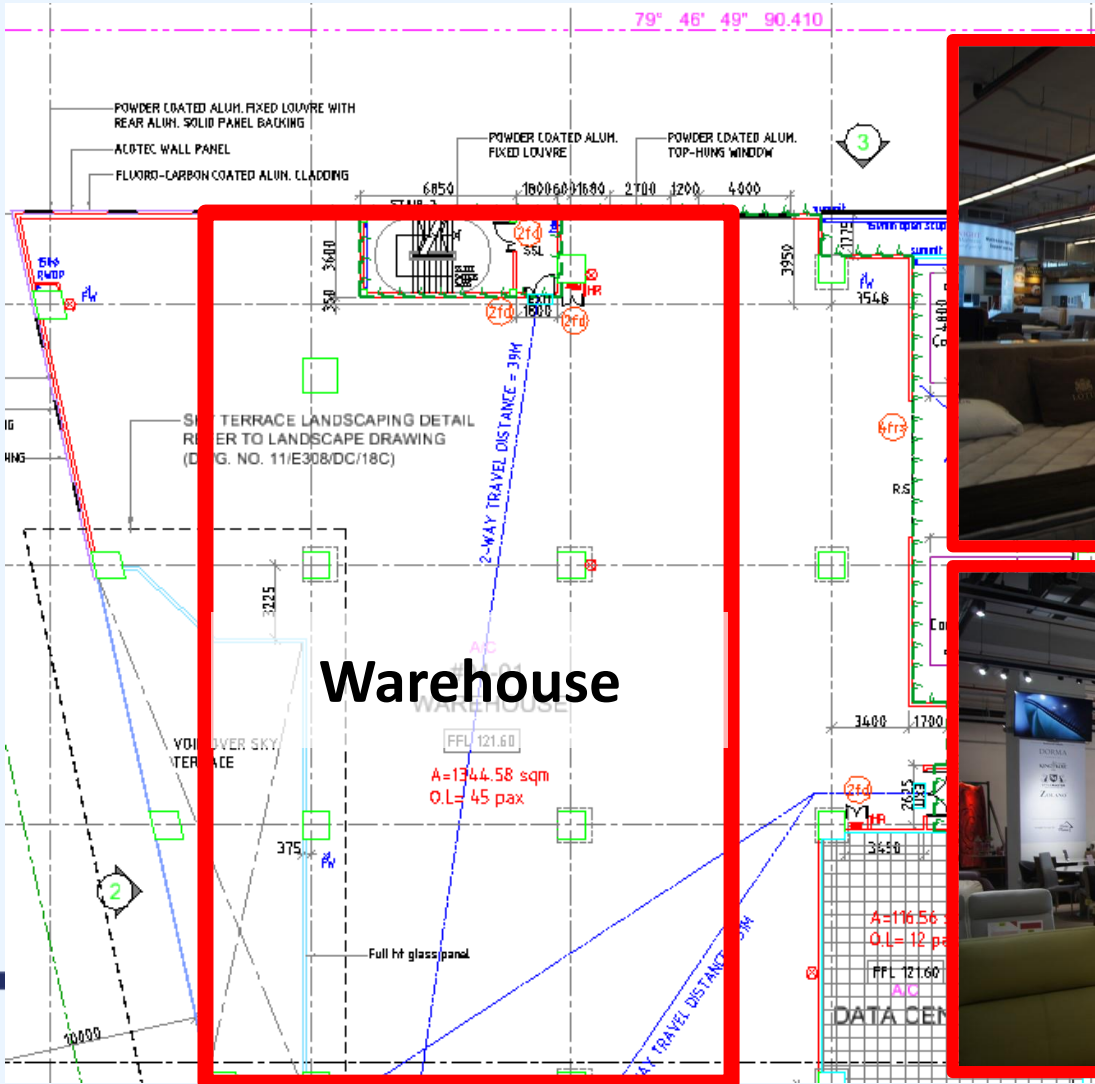
**Storage of Petroleum and Flammable Material (P&FM) without a valid storage license**





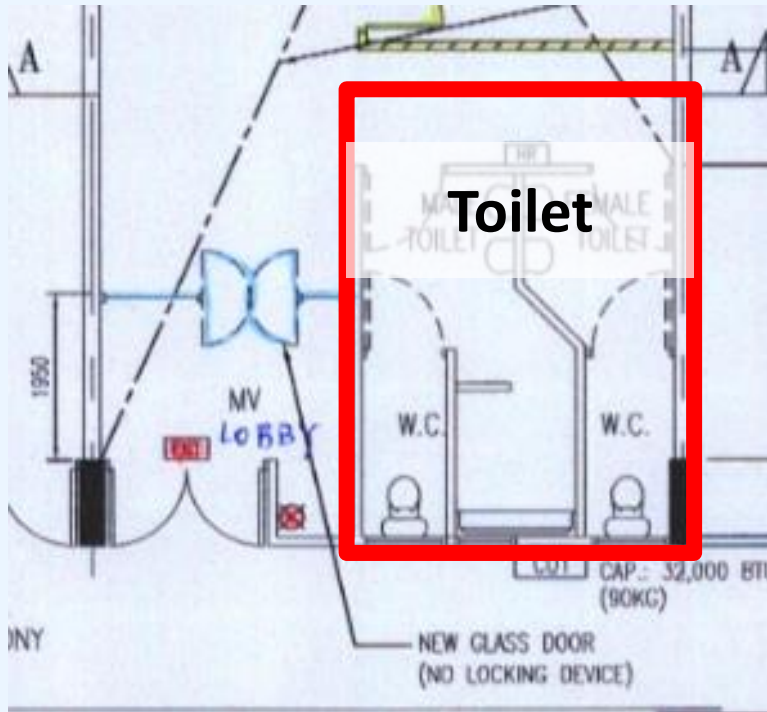
# Common Fire Safety Offence

- Change the use of premises



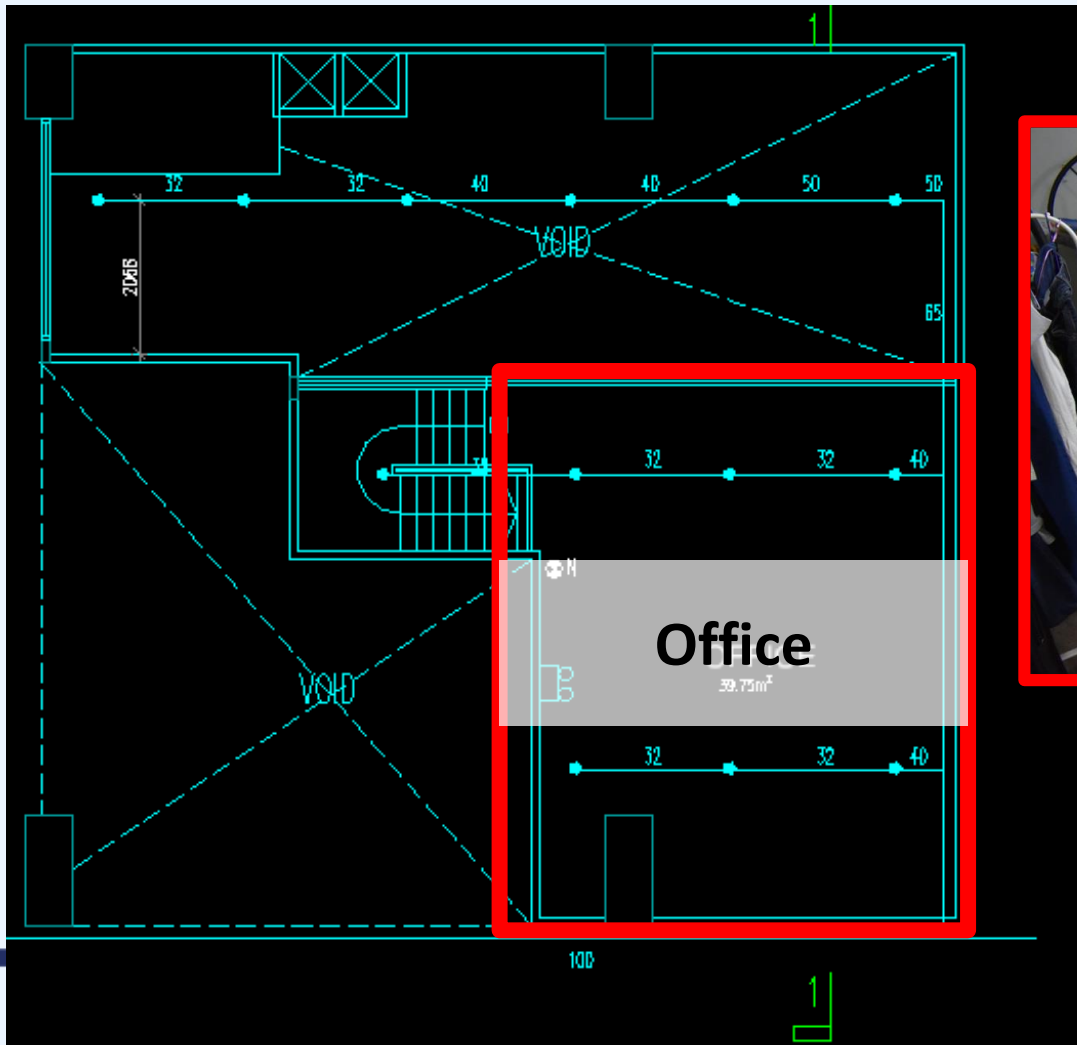
# Common Fire Safety Offence

- Change the use of premises



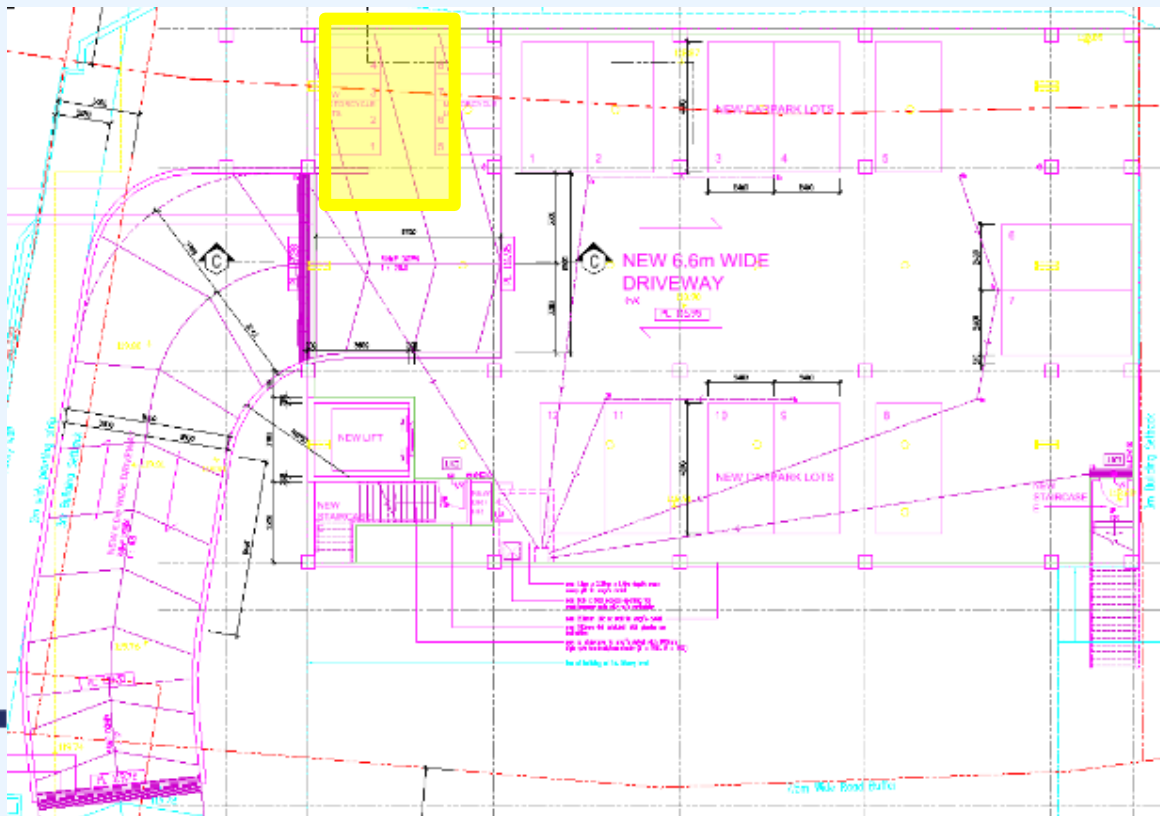
# Common Fire Safety Offence

- Change the use of premises to dormitory



# Common Fire Safety Offence

- Fire on 10 March 2018 at a 4 storey furniture showroom building
- Company dealing sales of furniture
- Auto Fire Alarm System/Heat Detectors /Manual Call Point/Hose reel /Fire-Extinguisher/Sprinkler

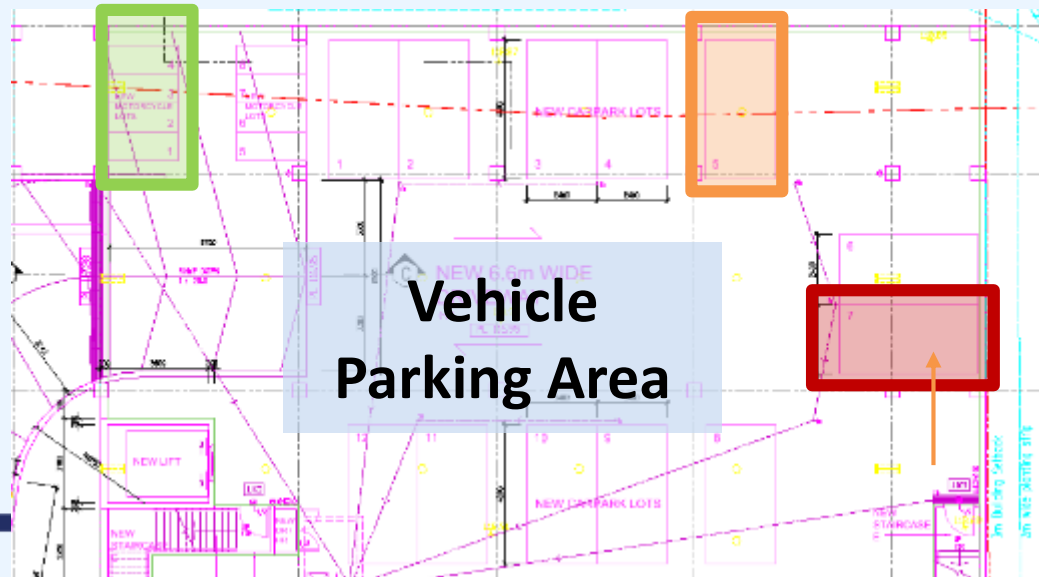




**Storage Area**



**Storage Area**



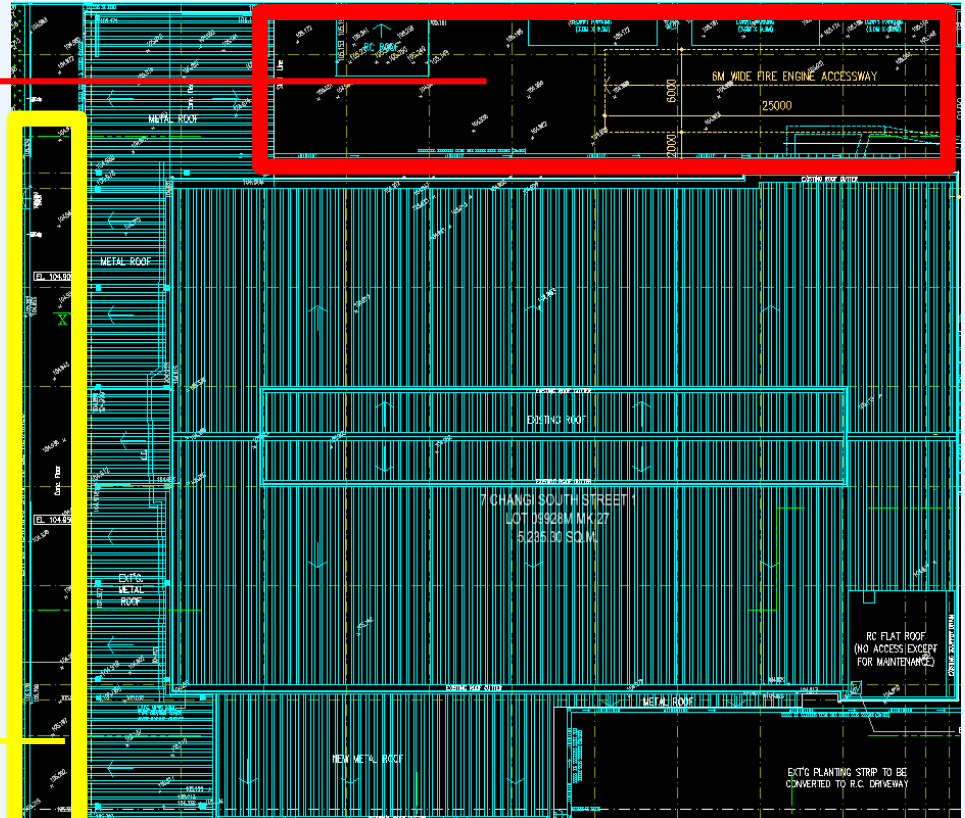
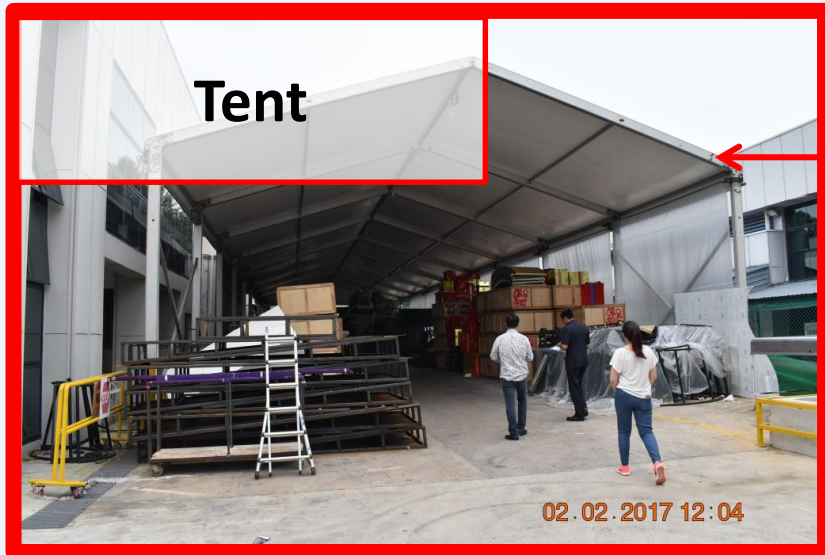
**Vehicle  
Parking Area**



**Storage Area**

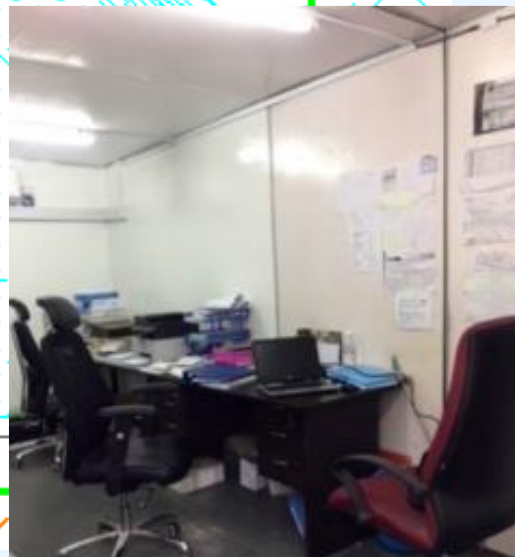
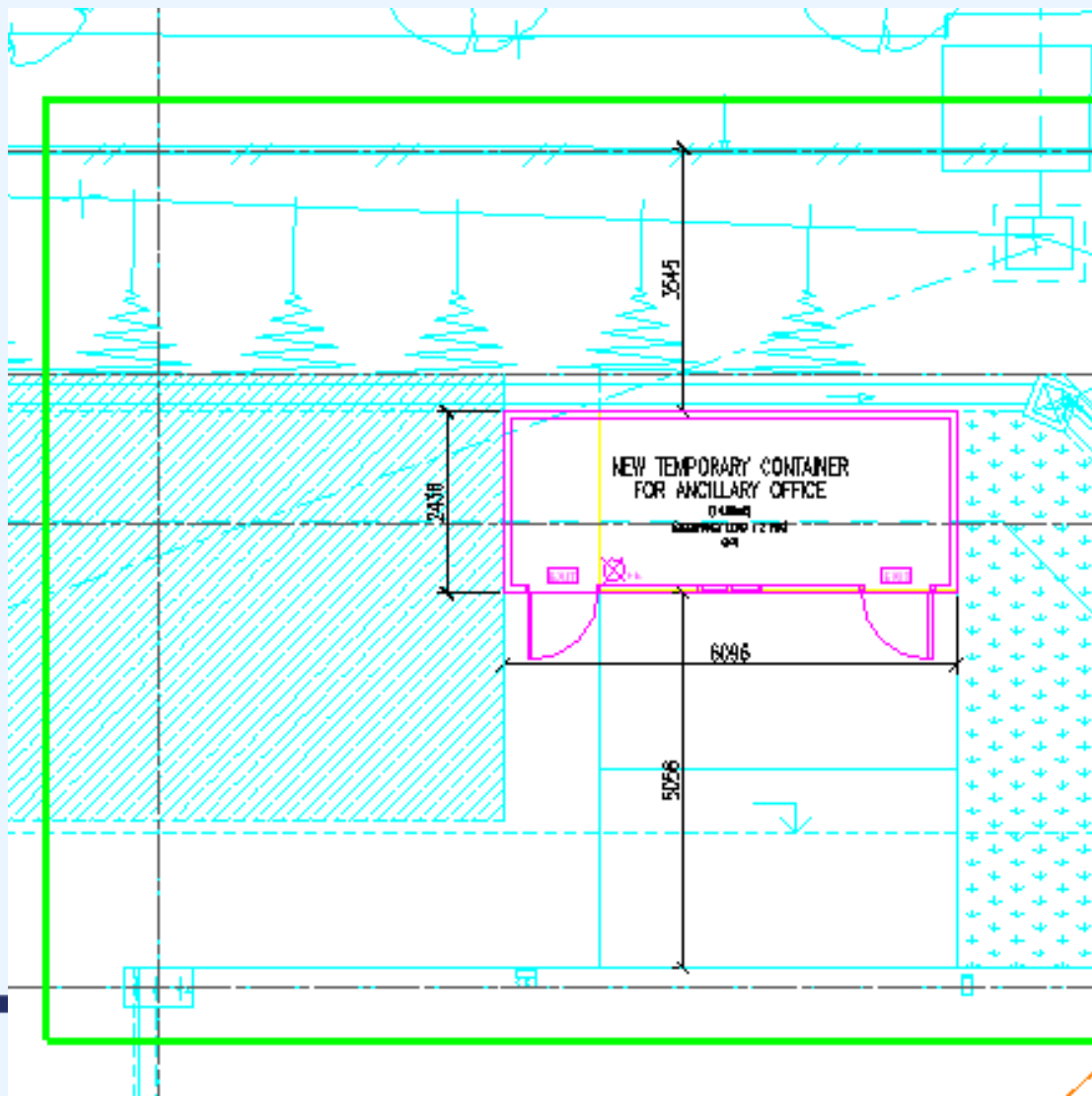
# Common Fire Safety Offence

- Fire Safety Works without approval of plans



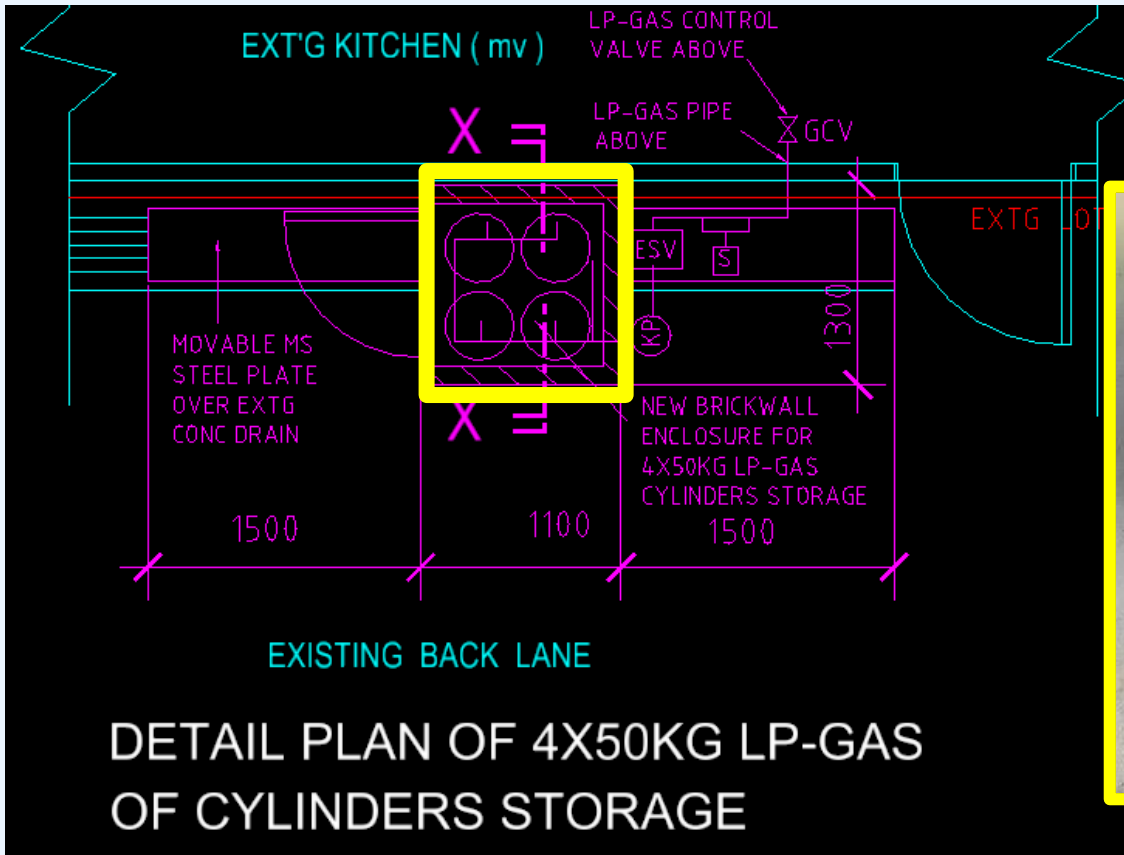
# Common Fire Safety Offence

- Fire Safety Works without approval of plans



# Common Fire Safety Offence


- Fire Safety Works without approval of plans





# Common Fire Safety Offence

- Fire Safety Works without approval of plans



REPUBLIC OF SINGAPORE  
SINGAPORE CIVIL DEFENCE FORCE

FIRE SAFETY ACT  
(CHAPTER 109A)

SECTION 29 (3) (a)

FIRE SAFETY CERTIFICATE

NEW FUNNELS (S) PTE LTD  
176 GUL CIRCLE

SINGAPORE 629627



Attr: SAMUEL SEE

**DESCRIPTION OF PROJECT:**  
PROPOSED AMENDMENT TO THE OUTDOOR  
TEMPORARY CONTAINER STORAGES AT N  
PTE LTD

**APPROVED PLAN NUMBER(S):**  
DBP1A09059/1702 DBP1A09059/17

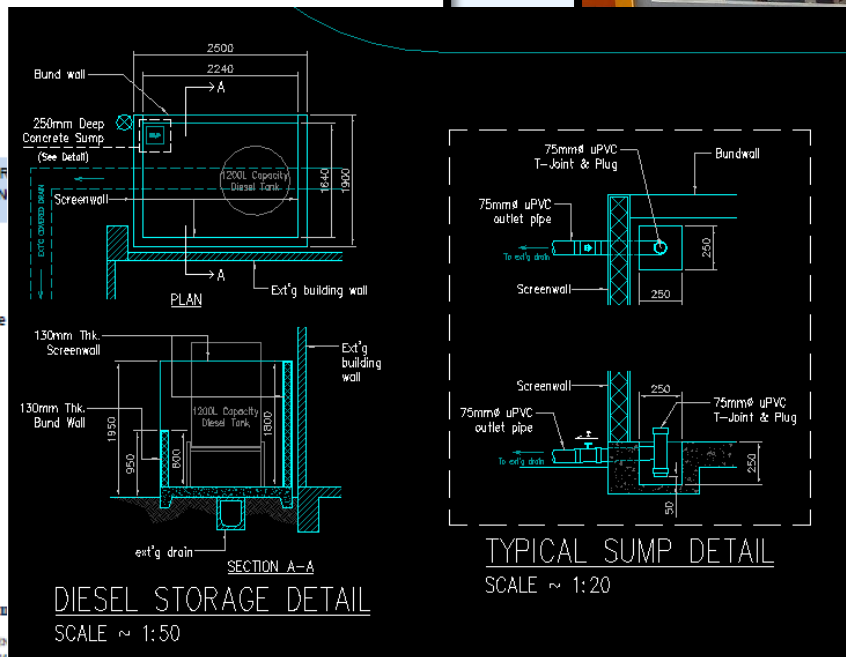
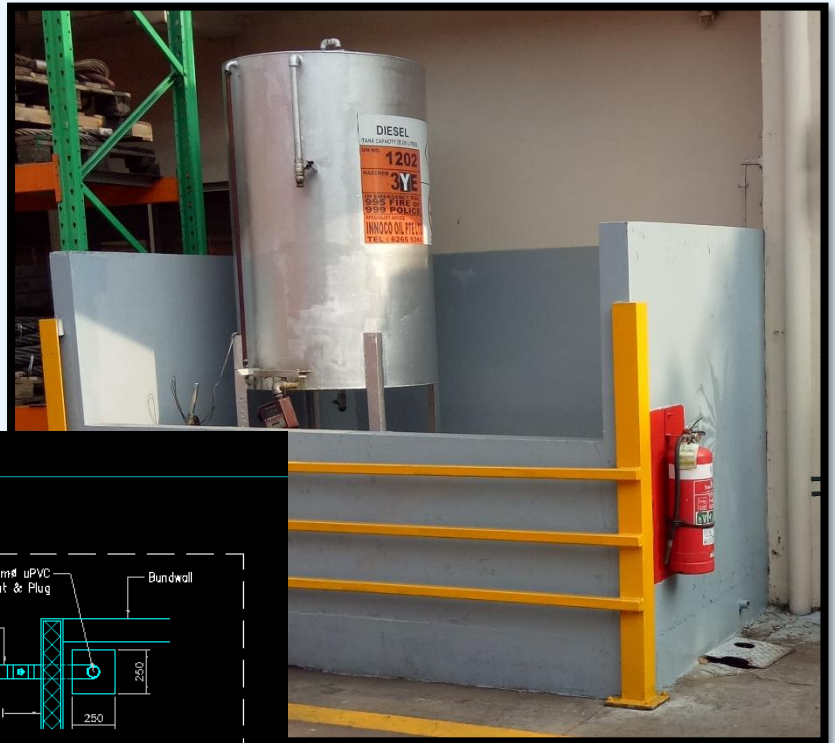
This is to certify that the fire safety works in the  
with the requirements of the Fire Safety Act.

Nur Hazwan Bin Amin  
for Commissioner  
Singapore Civil Defence Force

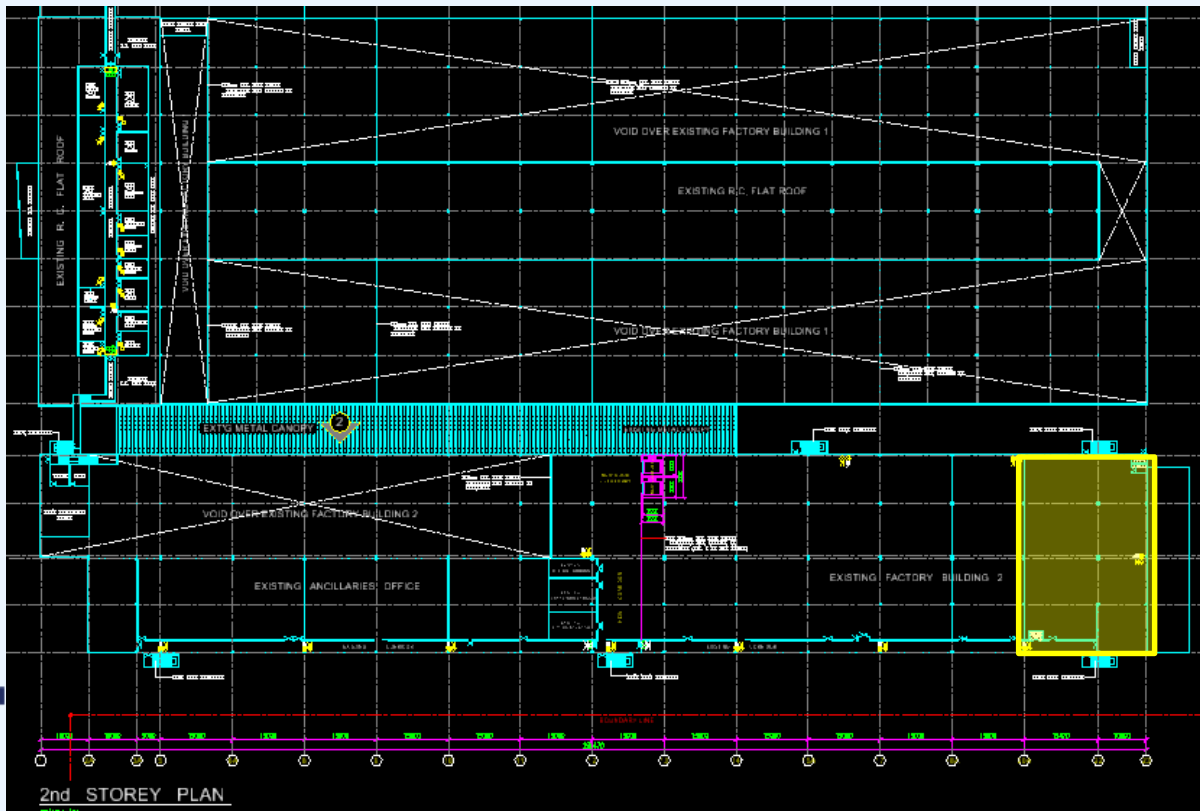
**SCDF - A**

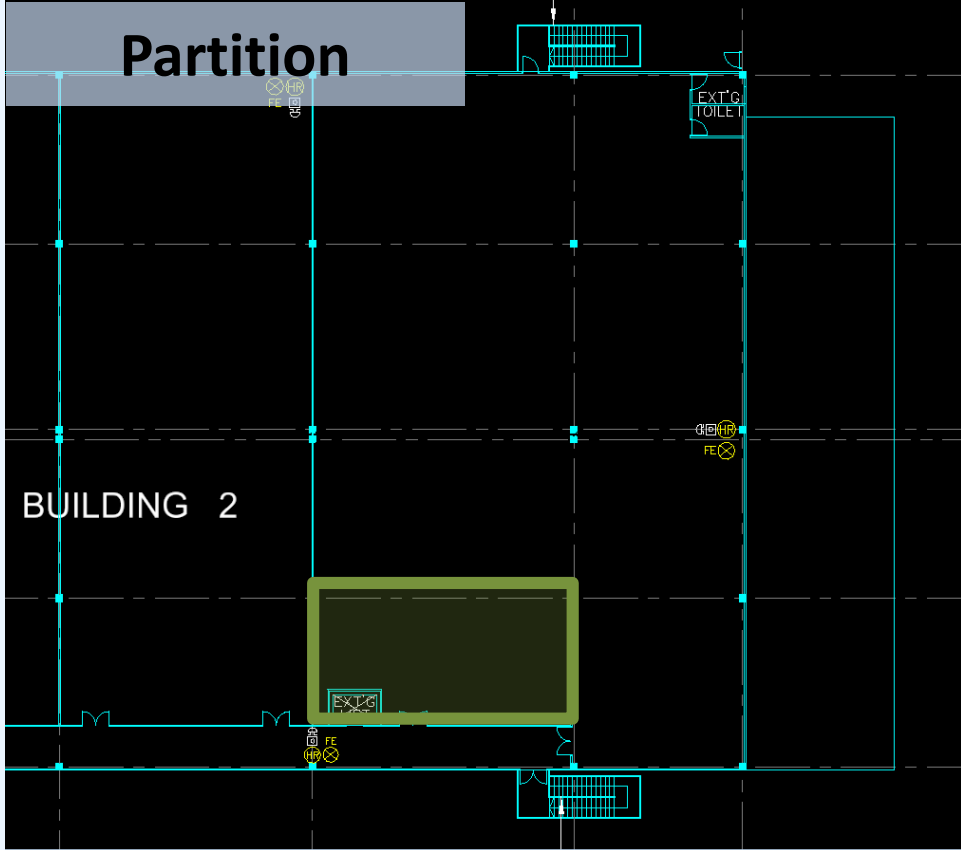
HQ SINGAPORE CIVIL DEFENCE  
TEL: 6848 3776 FAX: 684

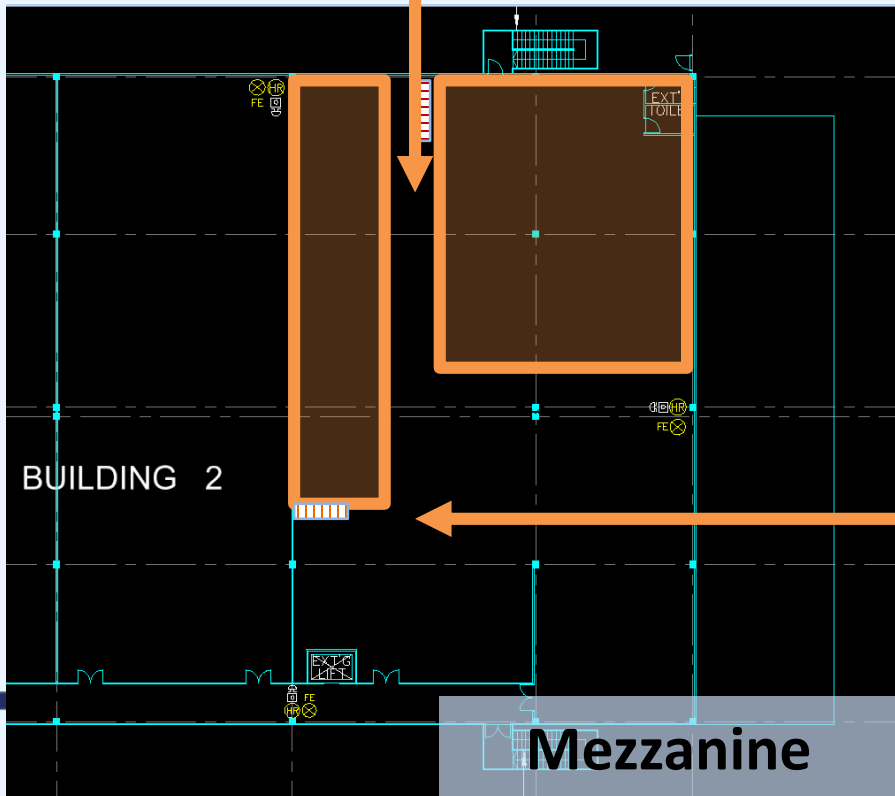


# Common Fire Safety Offence

- Fire on 24 July 2018 at the 2<sup>nd</sup> storey of a two storey factory building
- Company dealing fibreglass
- Auto Fire Alarm System/Heat Detectors /Manual Call Point/Hose reel /Fire-Extinguisher/Sprinkler








# Common Fire Safety Offence

- Storage of P&FM without a valid storage license



# Common Fire Safety Offence

- Storage of P&FM without a valid storage license

  
**SCDF**  
The Life Saving Force  
SINGAPORE CIVIL DEFENCE FORCE

---

**REPUBLIC OF SINGAPORE**  
**SINGAPORE CIVIL DEFENCE FORCE**

**FIRE SAFETY ACT**  
**(CHAPTER 109A)**

**SECTION 29 (3) (a)**

**FIRE SAFETY CERTIFICATE**

**NEW FUNNELS (S) PTE LTD**  
176 GUL CIRCLE

**SINGAPORE 629627**

**Attn: SAMUEL SEE**

**DESCRIPTION OF PROJECT:**



**PROPOSED AMENDMENT TO THE OUTDOOR STORAGE OF THE FLAMMABLE MATERIAL AND TEMPORARY CONTAINER STORAGE AT NO.174 & 176 GUL CIRCLE, SINGAPORE M/S NEW FUNNEL(S) PTE LTD**

**APPROVED PLAN NUMBER(S):**

DBP/A09059/1702 DBP/A09059/17

This is to certify that the fire safety works in the above with the requirements of the Fire Safety Act.

**Nur Hazwan Bin Amin**  
for Commissioner  
Singapore Civil Defence Force

  
SINGAPORE QUALITY STANDARD  
  
SINGAPORE FIRE EXCELLENCE AWARD

**SCDF - A member of the Singapore Civil Defence Force**

HQ SINGAPORE CIVIL DEFENCE FORCE  
TEL: 6848 3776 FAX: 6848 1490

File Ref No. : FMS/0251/18  
Submission No. : SUB2018044734

Lic No : FS15852018

**REPUBLIC OF SINGAPORE**  
**SINGAPORE CIVIL DEFENCE FORCE**

**THE FIRE SAFETY ACT 1993**  
**(PART VI)**  
**CONTROL OF PETROLEUM AND FLAMMABLE MATERIALS**

**PETROLEUM & FLAMMABLE MATERIALS STORAGE LICENCE**

---

**Licensee (Name and Address)**  
**NEW FUNNELS (S) PTE LTD**  
176 GUL CIRCLE  
**SINGAPORE 629627**

---

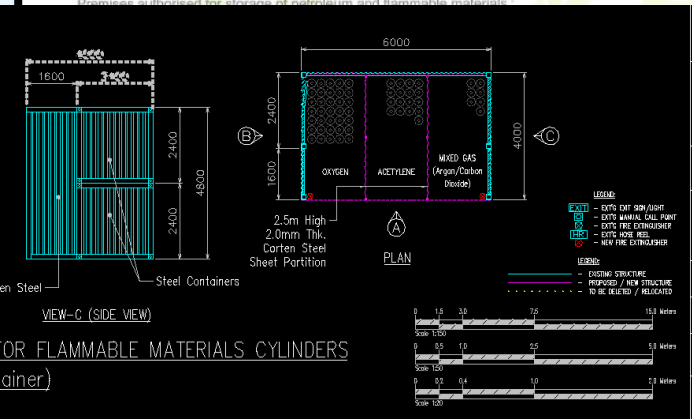
**Licence to store petroleum & flammable materials and respective quantity :**

1. Flammable Materials (Gases) - 697 Kg
2. Petroleum - 1200 Litres

---

*Permittee authorized for storage of petroleum and flammable materials.*

**1st STOREY PLAN**  
SCALE ~ 1:150

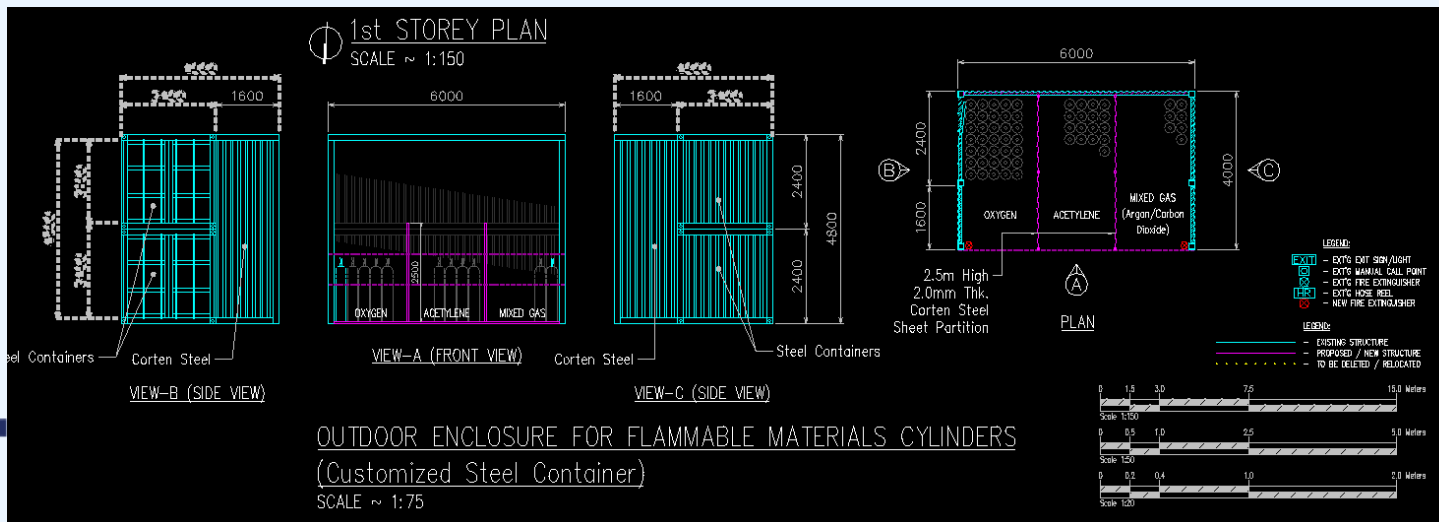


**OUTDOOR ENCLOSURE FOR FLAMMABLE MATERIALS CYLINDERS**  
**(Customized Steel Container)**  
SCALE ~ 1:75

Legend:  
E1 - EXTRA DRY FIRE ALBERT  
E2 - EXTRA MARINE OIL PAINT  
E3 - EXTRA FIRE EXTINGUISHER  
E4 - EXTRA FIRE EXTINGUISHER  
E5 - NEW FIRE EXTINGUISHER

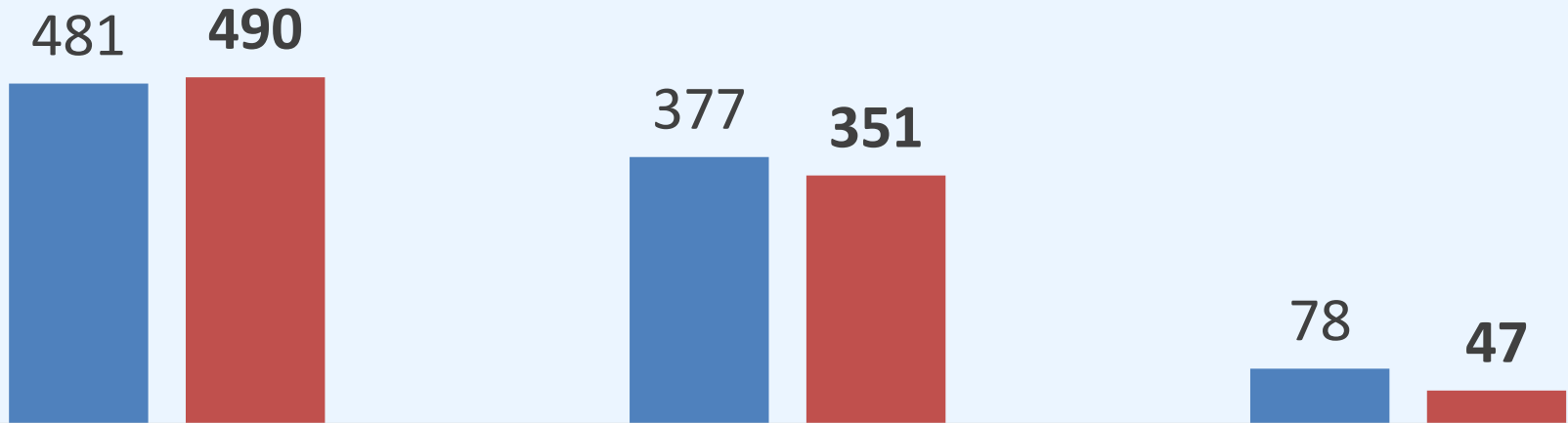
Legend:  
S1 - EXISTING STRUCTURE  
S2 - PROPOSED / NEW STRUCTURE  
S3 - TO BE DEMOLISHED / ALLOCATED

Scale 1:100  
Scale 1:50  
Scale 1:25  
Scale 1:10  
Scale 1:5



# Top three types of NFSO issued

■ 1H 2017 ■ 1H 2018



Unauthorised change of use  
Unauthorised fire safety works  
Storage/transportation of petroleum/flammable materials without licence





**Thank you**



**SCDF**  
The Life Saving Force

