

Notebook

Officer's Name	JAMES FLIN
Officer's Rank	STATION MANAGER
Book Identification No	

Location (Office/Station)	UNION STREET
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Team or Watch	FIRE ENGINEERING
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Details of Incident or Inspection

Day of investigation	17th
Month of investigation	JUNE
Year of investigation	2017

Address of the premises concerned	
GREENFELL TOWER	
LANCASTER WEST ESTATE, LONDON	
Postcode	W11 1TG

Refer to the back of this notebook for caution guidance.

Station based staff/Officers yet to receive legal training

Pending the arrival of a suitably qualified inspecting officer, contemporaneous notes are to be made by the officer carrying out the initial inspection. Do not disclose a cautionable offence has been identified – only that a dedicated fire safety officer needs to review findings. For station based staff, guidance can be found in Policy No 215 and FSR:D025:a4. Current policy guidance is published on Hotwire.

Using this notebook

This notebook is for the recording of official case notes, including those for legal purposes (recording of interviews, etc.) and may also be used for the recording of contemporaneous notes made by all staff in the execution of their duties. Support for staff is contained in the relevant policy documents FSR:D025:a1, FSR:D025:a2 and FSR:D025:a3, and additional advice can be obtained from Regulation and Enforcement Policy Group and the Legal department.

17/7/16

ON SITE /
return to home.

1

1.1 Good Access within 15m of DR+
ENTRY

1.2 DR VENT FF LIFT FF SHAFT

1.3 Appears to be ACV IN ENTRY LOBBY TRIPLE HEIGHT
SPACE

1.4 No PIB obvious at entry point

(1ST floor FLATS LD3
2ND floor FLATS Appears LD1)

Commercial Gym LS for ACV IN LOBBY
covered (see photo log)

Community room part 6 detection in
lobby covered (see photo log).

2

2.1 G-3 fire doors FD60 Self
doors Straps + Seals.

G-24 - doors that are still in place

Appeared to be FD30's

- 23 Self closers on a significant number of flats either removed or broken. Full photo survey of all remaining doors to be carried out. Some had overhead closers but no Conittancy

- 24 Letter boxes on G-3 low level appeared to be intermittent. 4-24 on doors still in place had ~~old~~ Centre letterboxes and intermittent (See photo log 146+147)

3

3.1 Grey powder coated Aluminium windows with tilt and turn facility. Full survey of window configuration to be carried out.

- 3.2 All doors to flats appear to provide services above the door into flat. All examples seen all well fire stepped.

- 33 Services are via Service riser Cupboard on each floor. access was available on some floors and fire stepping was in place.

Gas Supply appeared to be via a pipe boxed in through the Staircase and Surface mounted on some floors in common lobby/Corridor to flats. Further survey required to determine reason for inconsistent approach. Fire stepping appeared to be of a good standard.

- 3.4 Fire stepping between flats and corridors was effective from the areas inspected.

4.

external vents into flats was via a extract from kitchen directly into kitchen via window fitting

Bathroom Venting System needs further investigation as an intrusive survey required to establish route.

5 as above.

6 refurbished windows throughout block appear to be powder coated aluminium operable windows with bottom tilt and side hing configuration

Full Survey required TBA.

7
7.1 Domestic flats have a mixture of Systems / Coverage in place.

New flats had LD3 in some (hallways) and LD1 / LD2 in others (all rooms)

older flats had hardwired Surface

mounted LD2 System with ^D Smoke detector in hallway and heat detector in kitchen.

There were flats with very limited coverage (none) (need followup) *

The Commercial areas appeared to have a mixture of Systems.

eg The first floor Community room had a part 6 System which had a covered detector in lobby (photo 58)

The Gym on the Second floor had a LS System to operate the ACU in the lobby protecting the final exit stair but detector was covered. (photo 64)

7.2 Coverage was different in new flats and unclear in Commercial areas.
as boxing gym had no detection apart from lobby to stair of final exit

Coverage in flats from 4-24
where detection was in place after the
fire appeared to have handwired
Surface mounted (part 6) system which
would be appropriate for the type of
occupancy.

The lift lobbies/flat corridors had
a ~~2nd~~ smoke detector to operate the
Smoke ventilation system on all floors.

7.3 The operation/function of the
detectors fitted was clear in the
stand alone Residential accommodation
which would support a stay put policy
as only the flat of origin would go
into alarm.

If smoke entered the lobby/corridor then
this would operate the Mechanical Smoke
Vent System.

What wasn't clear was how the
Boxing gym or the main reception
areas functioned and what reaction
would occur if the Community room
detection operated.

eg Would Axi's open / Mechanical vent
operate. * further detail required *

7.4 The only panel available on
my investigation was the ventilation
panel which had been isolated due
to power failure. I did witness its
operation on the 14/6/18 showing
extraction on the 18th floor had
operated.

8. There appeared to be emergency
lighting both in the staircase
and lobby areas.

9. Means of escape. (MOE)

9.1 The MOE was clear in most areas during my inspection, there were some items in the means of escape eg Mobility Scooters on level 3 with charging cables via letterbox of flat.

The Staircase was clear but this is following the fire and after extensive firefighting operations.

9.2 The MOE was via a single staircase, from the floors via a ventilated lobby/corridor containing the lifts, DE and flat entrance doors and refuge room. - This door was self closing and has strips + seals.

9.3 All doors to the Staircase appeared to be self closing fire doors. It is unclear if ~~the~~ there were all

working at the time of the fire or if they were all closed.

9.4 The doors ^{to the staircase} appeared to be ~~3~~ ⁰ fine doors, the rating of these doors needs to be confirmed.

9.5 There appeared to be strips and seals on the remaining doors still in place on the staircase. The refuge room in each lobby/corridor had a level of fire resistance, was self closing and strips and seals.

9.6 The doors opening onto the means of escape should have been fitted with self closing devices. The residential flats had devices missing or broken. A full survey of all remaining doors will be undertaken regarding self closing devices. The refuge and staircase doors were

fitted with Self Closing devices.

- 9.7 There was a dry river located in the lobby/corridor. There was a firefighting lift but unable to confirm its what standard or not functioning due to power loss. There was mechanical ventilation in the lobby/corridor on each level with a yellow box override switch. It is unclear if this system was functioning at the time of the fire.

10 fire stopping

- 10.1 As² Service risers which were inspected did show a good level of fire stopping around all pipework.

- 10.2 There was a boxed in gas pipe in the staircase which needs further intrusive investigation to see if

fire stopping was fitted where it travels into the residential areas via the staircase (~~is~~ further info req^d)

- 10.3 All Services which were seen during my inspection which served the individual flats were appropriately fire stopped and sized.

- 10.4 It appears ^{Services were via} Service riser cupboards on each floor located in lobby/corridor then fed into each dwelling via a false ceiling and into each flat above front door.

11 Ventilation

11.1

The ventilation for smoke control appears to ~~be~~ ^{be} via two shafts on each floor one appears to be an inlet shaft the other an extract shaft. The inlet shaft appeared to be via two grilles

dampers at a lower level.
The extract shaft was located on the opposite wall at a higher level.

It appears this was to create a ventilated lobby/Corridor in order to protect the Staircase from a fire in a dwelling on the floor.

11.2 Condition

The Condition of the vents at Ground floor to the Third floor were new but appeared to reflect the strategy on the upper floor.

The dampers on floors 4-23 appeared to be original design and it is unclear without further investigation if these were serviceable.

11.3/4 The operation of the ventilation was witnessed via the panel at the time of the fire which recorded extraction on the 18th floor.

When access was available to the 18th floor it was seen that the dampers of the lower grills operated but the opposite upper grill did not. (See photo log 171-177)

Further cause and effect detail is required regarding the ventilation operation, as it was unclear how or if the Reception area of the final escape Staircase was actuated as the appeared to be ACN's in that area.

It was also unclear how the Commercial areas integrated with the residential ventilation arrangements.

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11.5 There was a ventilation panel which was located in the reception entrance at ground floor.

At the time of the fire this was showing operation of the extraction system on the 18th floor.

It also had instructions ~~and~~ regarding operation and how it locks out on other floors once activated.

12 Firefighting lift

There was a firefighting lift operated by a drop lift key at ground floor level.

I was unable to inspect lift as power had been isolated and access was removed.

✶ Further investigation is required ✶

13 The building was served by a refuse room on floors 2-23 this had a fire door access via the communal lobby/ corridor at each level. The room had access to a refuse hatch and it was unclear if the hatches on floors 4-23 had a level of fire resistance.

The hatches on the new refurbished floors had 90 min fire rating. (G-3)

14/15 There was Community rooms located on the new refurbished floors at Ground floor and 1st floor level which shared the means of escape with the residential dwellings.

The 2nd floor had shared areas with the Community Boxing gym with questionable separation.

The additional escape route from the boxing gym was via the residential lobby at 2nd floor, with only a single door and no smoke detection in the boxing gym to protect the residential areas.

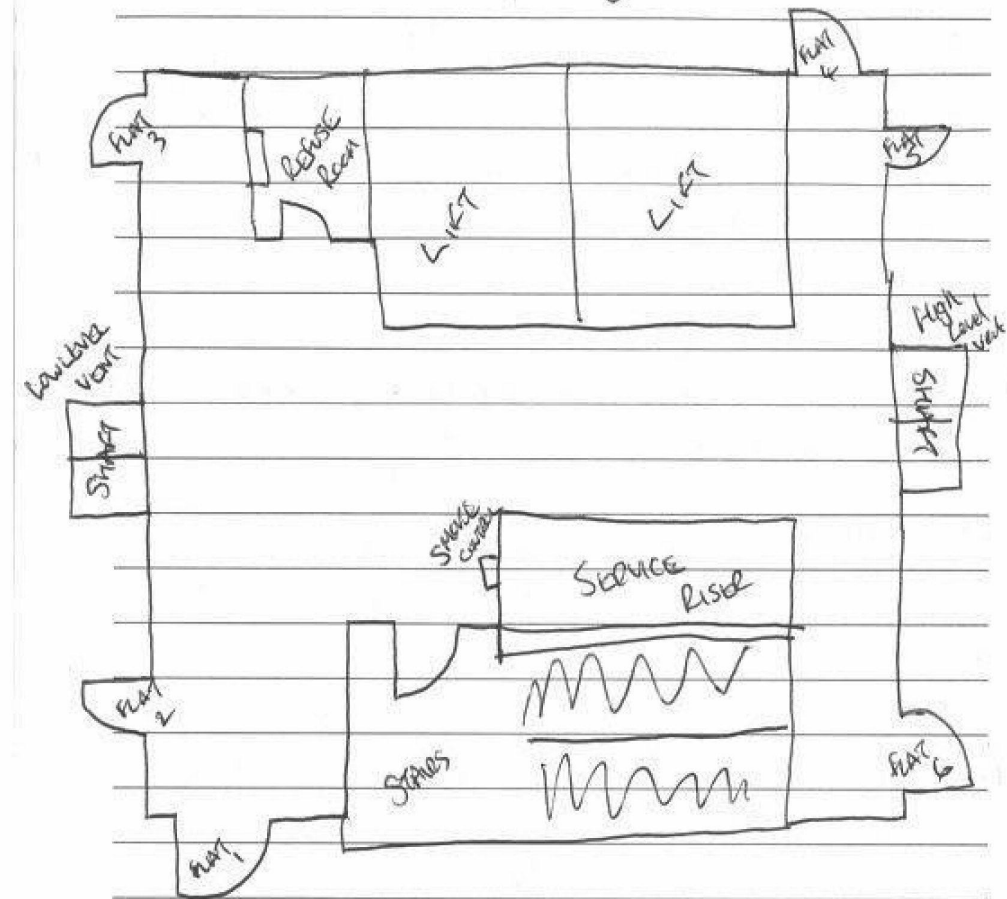
This needs to be investigated to understand the mixed use strategy and its implications.

The Plant rooms ~~were~~ on the roof level were separated effectively

16 - The removal of Self Closing devices from a number of flat front doors is a concern and a further Survey is required in order to determine how many devices from the newly fitted fire doors have broken or been removed.

FI to follow up 18/6/17 FLAT NUMBERS?
5-21 6-31 etc 17

17 Common Floor Layout



NOT TO SCALE