

Project Fire Plan

Construction Project Fire Plan

Project Name: Grenfell Tower

Project Number: 3482

Fire Coordinator: David Hughes

Revision Number: 01

Project Fire Plan

Content

Section 1	Organisation
Section 2	Fire prevention
Section 3	General fire precautions
Section 4	Emergency procedures
Section 5	Temporary accommodation

Appendices

App.1	Fire Plan Drawing(s)
App.2	Fire Extinguisher Schedule
App.3	Fire Equipment Inspection Schedule
App.4	Evacuation Practice and Fire Service Liaison Records

Project Fire Plan

Section 1 - Organisation

Appointments	
Fire safety co-ordinator	David Hughes
Deputy Fire safety co-ordinator	Jason North
Fire marshal (if required)	Keith Miller (office)
Fire marshal (if required)	Jack Sullivan (Externals)
Fire marshal (if required)	

Project manager to ensure those appointed have received appropriate training and that Fire Safety Co-ordinator has access to copies of Fire Safety in Construction Work (HSG 168) and Joint Code of Practice for Fire Prevention on Construction Sites. Any appointees should also have access to The Construction Design and Management Regulations 2007 and The Regulatory Reform (Fire Safety) Order 2005.

Section 2 – fire prevention

2.1 Information abstracted from pre-tender health and safety plan; particularly relating to client requirements

Early application of fire protective materials to structural steelwork
 Early installation of fire fighting, detection and alarm
 Provision of adequate water supplies for fire fighting during the construction phase
 Acceleration of repairs to existing systems

2.2 Combustible waste

Waste shall be cleared at the end of each shift to wheelie bins which shall be emptied daily into skips kept externally. Skips shall be emptied as soon as they are full.

2.3 Flammable substances

No flammable substances will be stored overnight on site. Small quantities may be required on a daily basis.

2.4 Highly flammable liquids (HFL's) and LPG

No LPG / HFL substances will be stored overnight on site. Small quantities may be required on a daily basis.

Project Fire Plan

2.5 Temporary protective coverings

All protective coverings such as monarflex, debris netting, carpet protection, corex products including scaffold wrappings and temporary protection materials used in construction and refurbishment projects must be Flame Retardant and conform to the requirements of the Loss Prevention Standard LPS 1207 or LPS 1215.

2.6 Ignition sources

Smoking is permitted to the rear of the yard area in the designated shelter. Sand bucket and fire point to be installed.

No burning of any waste material is allowed

Halogen lights are not permitted on site unless fixed to a structure.

Intrinsically safe electrical equipment required in certain areas e.g. confined spaces

Limitations are placed on the use of naked flame equipment & tools – gas cutting (Oxy-propane) only with agreement from the site team for demolition works,

Limitations are placed on the use of spark producing equipment & tools or other hot work e.g. grinders. These works can only be undertaken with the agreement of the project team. Hot works have been designed out of the process as far as reasonably practicable – e.g. copper has fittings that do not require hot works.

Security arrangements are in place to prevent arson – full height hoarding surrounding the site. Flammable materials etc stored away from the boundary.

2.7 Hot works procedures

The project requires the use of hot work permits – these shall be managed by Rydon in line with the permit procedure.

Section 3 – General fire precautions

3.1 Information abstracted from the pre-tender health and safety plan: -

None

Insert any relevant information from the pre-tender health & safety plan.

3.2 Fire points

Q. Where are the fire points

A. There is a Fire points on the 2nd floor by the fire exit and by the canteen. All the other areas are complete and awaiting inspection by the client

Q. What do fire points consist of

A. 2 x extinguishers, alarm and escape diagram.

Q. When are they to be installed/removed

A. they shall be removed when the permanent provision is adequate.

Project Fire Plan

Include positions of fire points on the drawing at Appendix 1

3.3 Inspection and maintenance of fire fighting equipment

Fire alarms to be tested weekly.

Weekly visual recorded inspection by David Hughes

Annual service for extinguishing media.

3.4 Means of raising alarm

Q. What type of alarms will be installed

A. Individual howler type alarms

Q. When will they be installed/removed

A. Installed – removal when permanent systems in place.

Q. Who will provide, install, adapt & remove

A. Rydon.

Q. How will checks on effectiveness be made & by whom

A. Weekly visual inspection. Monthly test.

Example record at Appendix 2

3.5 Emergency power and lighting

Q. How will emergency power & lighting be provided

A. Current systems in place. Construction areas have temporary lighting.

Q. How will checks on effectiveness be made & by whom

A. Monthly checks by Rydon

3.6 Escape routes

Q. Where are they

A. Existing routes from each level to stair core. New construction areas have escape routes to external areas clearly signed.

Q. Are protected routes necessary

A. Internal staircase (existing) is a protected route.

Q. How is the integrity of any protected routes to be maintained

A. Maintaining current facility in existing condition.

Q. How will escape routes be kept clear

A. Housekeeping and storage to managed so as not to impede routes.

Q. How will escape routes be revised to suit construction operations

A. All escape routes finished except 2nd floor.

Q. How will correct signage of escape routes be provided

A. Fitted

Q. Is it appropriate to designate any scaffolds as escape routes

A. No – only scaffold onsite is for bricklayers building external wall.

Project Fire Plan

3.7 Site rules – Site rules to fire safety

- No horseplay with fire fighting equipment
- Keeping means of escape clear
- Informing management if extinguishers are used
- Contractors to provide their own extinguishing media for hot works
- Smoking only in designated area.

Project Fire Plan

Section 4 – Emergency procedures

Detailed and recorded in Appendix 3.

Section 5 – Temporary accommodation

5.1 Restrictions abstracted from the pre-tender Health & Safety Plan:-

Pipe work etc to be crimped not soldered.

5.2 Information extracted from existing client or other Fire Risk Assessment (partially or fully occupied buildings):-

See FRA – current systems not operational – replacement systems are all commissioned . Fire Brigade are aware of the current situation and liaise monthly with the client. Site entrance has lock which the brigade have a key for in case of out of hours emergency.

5.3 facilities

Welfare facilities include:

Canteen / Drying room

Toilet block

2 x storage containers

All accommodation built to 1 hour fire rated units.

Provided and maintained by Beacon plant.

Fire points located around the welfare areas.

Designated smoking area is outside site entrance due to lack of space

Diesel is stored onsite for the ground worker machines and cherry pickers. There is a fire point and spill kit next the storage area

Project Fire Plan

Appendices

App.1 Fire Plan Drawing(s)

App.2 Fire Extinguisher Schedule

App.3 Fire Equipment Inspection Schedule

App.4 Evacuation Practice and Fire Service Liaison Records

Project Fire Plan

APPENDIX 1

FIRE PLAN DRAWINGS

(to cover site offices and the project)

Project Fire Plan

Appendix 2

Instructions:

- Use the form on the following page.
- Complete this form monthly and file in this section.
- Write the Log No. down in **column 1** (Fire extinguisher Log No.)
- Look at the last entry on the service record label on the extinguisher and write this date in **column 2** (if no entry is shown, look on the base or around the collar of the extinguisher (this is where the manufacturers date stamp is usually marked). If no manufacturer date stamp is shown, contact the supplier for further instructions.
- Identify the type of extinguisher (i.e. Co₂ / Dry Powder) and abbreviate (if you wish) this in **column 3**
- Working from your fire plan, designate where this appliance is to be placed. (e.g. Canteen/Office or at a Fire Point) and then enter this in Column 4
- Inspect the appliance to ensure that it is serviceable (i.e. the trigger pin is in place, the hose and trigger are intact the needle (where applicable is pointing in the green position, lift the appliance to see if it has been discharged) and complete **column 5** by either writing Yes or No
- Complete **Column 6** by entering the date that you are checking the extinguisher and completing this form.
- If you need to relocate the fire extinguisher then complete **column 7** and give the details as required, if the fire extinguisher is transferred to another site complete as necessary.
- When the fire extinguisher is re-tested / serviced annually or due to being discharged, then complete **column 8**

Project fire plan

Appendix 3

Complete the following form weekly and file in this section.

Project fire plan

Appendix 3 Fire equipment and escape routes inspection schedule

Item	Check & initial if ok, (or comment as appropriate)
Extinguishers:	
Are correct type and number of extinguishers present at each Fire Point?	
Visual inspection including hose, pin, tag & condition?	
Location identified by descriptive sign, fire exit route drawing and fire action poster?	
'Fire Point Missing' sign installed behind fire point?	
Fire points facing with the alarm outward?	
Fire routes and exits	
Clearly identified, unlocked and accessible?	
Clear access to exits?	
Fire alarms	
Alarm tested & in working order?	
Any other comments?	

RYDON signature		
Print Name	Signature	Date

Project fire plan

Appendix 4

Evacuation practice & fire service liaison record

Office / Project		Evacuation date	
Alarm time		Evacuation time	

Total persons evacuated		Register completion time	Minutes : Seconds
Office fire safety coordinator (XX floor)			
Office fire marshal (ground floor)			
Office fire marshal (first floor)			
Office fire marshal (second floor)			
Office fire marshal (reception)			
SHE advisor			

Health and safety advisors observation

Item No.	Comments	Action to be taken by	Action
1			
2			
3			
4			
5			
6			

Action: A = Immediately B = 24 Hrs C = 3 Days M = Monitor

Report issued by		
Print Name	Signature	Date
Evacuation witnessed by		
Print Name	Signature	Date

Project fire plan

This page is to record liaison with the fire brigade – this should take place at the beginning of the project and at suitable intervals when site conditions change or at least 6 monthly.

Fire service liaison		
Date:	Signature:	Comments: