Project	Grenfell Tower	Project no	3482
Initial document completed by	sc/soc	Date of assessment	February 2015

Guidance Note:

When completing this document reference should be made to the Rydon Fire Procedure

Definitions:

Temporary Accommodation(s)

Are areas that are segregated within the building under construction or undergoing refurbishment that may be used as site offices, stores, workshops etc during the course of the works. Part of the structure of the temporary accommodation may be formed by the structure of the building under construction.

Temporary Building(s)

Temporary structures for use on construction sites including pre-fabricated cabins, site huts, cargo containers, caravans, tool stores etc. The structure of the temporary building is independent from the structure of the building under construction. A temporary building may be positioned inside or outside the building under construction

People affected / at risk of being harmed: (circle or highlight in bold those at risk at the stage of the project if not pre start risk assessment)

Site operatives, visitors to the project, existing client staff, persons residing nearby, night workers, contractors, workers in remote areas or lone workers, public in released areas of

Number of Persons likely to be on site for the period of this assessment: up to XX (currently 17) + FM company (approx. 2) + Existing tenants (approx.500)

Overall fire risk on the project: at present — Lower — Normal — Higher —

Risk Level: Following this assessment - See Action Plan Part E

The level of risk is now deemed to be: (Acceptable/ Unacceptable, further control measures required) Please state:

Client systems are not functioning, there is no means to raise the alarm to residents, the AOV is not operational. The system requires a concierge in place to make the system. Client to provide updated FRA and Fire Plan.

Responsible person named for the project (Contract Manager or Project Manager)										
Print Name Simon O'Connor	Signature	Date 20/02/15								
Risk assessor Contract Manager or Project Manager or SHE N	anager or Independent Fire Consultant)	i i								
Print Name Simon Camps	Signature	Date 20/02/15								
Reviewed by										
responsible										
person										
(initial)										
Date reviewed										

A. Sections to be included (tick only the sections that will be included in this report – e.g. section 14 is unlikely to be required in the early weeks of a new build project)

Section		Tick
1	Project management	V
2	Sources of Ignition	V
3	Sources of fuel & oxygen	V
4	Rapid fire & smoke spread	V
5	Fire spread to adjacent properties	V
6	Fire Spread to / from temporary site buildings	굣
7	Persons unaware of fire	V
8	Persons cannot evacuate safely	V

Section		Tick
9	Persons not being accounted for	V
10	Small fire grows rapidly	V
11	Fire Service Unaware of fire	V
12	Fire Service unaware of risks	V
13	Fire Service cannot gain access	V
14	Building / fire fighting facilities	V
15		V
16		П

Please provide details below and include any specific areas that may affect the fire risk

Issue	Detail	led Information						
Proximity of other Buildings to site:	Existir	ng car park and low rise 15m away.						
Area covered by this assessment:	Footp	Footprint of the project						
Number of building(s) or accommodation:	Gren	fell Tower, site accommodation units						
Size of building or accommodation:	20							
Number of floors:	20 +	basement						
Number of internal stairways (please indicate if these are 'protected'):	1- pi	rotected.						
Number of external stairways (including scaffold etc):	SOC							
Location of Hydrant or Water supply:	SOC							
Type of Work / Nature of the Site (please tick ALL that apply)		Scope of works and brief project description						
Partially / fully occupied Building	V	SOC						
Temporary Accommodation (external)	V							
Temporary Accommodation (internal)								
Refurbishment Project								
Construction site with traditional timber frame								
Healthcare								
New Build Construction Site								
Other – State Here -								

Maintenance projects – both planned and reactive should utilise rather than this form.

Please provide details below and include any specific areas that may affect the fire risk

Sources of ignition ident	tified (S	Section 2 of the fire risk assessr	ment)						
Naked flames	П	Electrical sparks	P	Machinery / Mechanical equipment	V	Hot works	П	Temporary electrical system	F
Hot Surfaces		Engines	V	Electrical tools	v	Electrical heaters	⋝	Central and water heating devices	V
Mechanical sparks		Cooking	V	Lighting	v	Chemical reaction			
Smokers materials	V	Internal sparks	П	Arson	V	Spontaneous ignition/ self heating	П		
Sources of fuel identified	d (Secti	on 3 of the fire risk assessmen	t)						
Flammable liquids				Flammable solids				Flammable gases	
Paints		Diesel	V	Wood	V	Packaging	V	Butane	
Thinners		Petrol		Paper	V	Stored Wheeled Bins	V	Propane	
White spirits		Chemicals (COSHH)		Plastics	V	Scaffold sheeting	П	Acetylene	
Paraffin		Aerosols	V	Rubber	П	Protective coverings	П	Hydrogen	
Toluene			П	Textiles (Furniture)	V		П	Natural gas	
Acetone			П	Building materials	П				
Methylated spirits				Waste materials	V				
sources of oxygen ident	ified (S	Section 3 of the fire risk assessr	ment)						
Oxidisers		Oxygen cylinder storage		Piped systems		Air conditioning units		Natural air	┍

If Yes See Part E Existing control measures in place Risk category Further Ref (italics identifies those <u>not</u> adequately controlled/not in place) NB – None is acceptable for pre-construction assessments With controls gh Med L Hazard Action No. Yes High Project management Lack of formal identification of the responsible 1.1 Person identified within induction and within the fire plan and construction phase plan. 12 Lack of trained fire safety wardens 1.3 Fire plan provided to site team members. Fire plan not communicated to site team Fire plan not communicated to persons that V 1.4 Emergency details within site inductions report to site. > 1.5 Infrequent monitoring of the workplace Weekly recorded checks to be made in line with procedure Failure to record fire safety checks with fire safety Log book provided for check records ¥ 1.7 Failure to test the fire emergency procedures Fire drills held every 6 weeks 2 Sources of Ignition allowing fire to start Electrical installation undertaken by trained and competent persons. The installation conforms to BS 7671: 2008 Temporary Electrical installation requirements for electrical installations A 3 monthly inspection and test must be undertaken to ensure adequacy and effectiveness. 2.2 Heaters provided are electrical and wall mounted with 'do not cover' signage. Heaters 2.3 Site is within an estate with high crime - hoarding surrounds the site. Arson Smokers Materials Smoking area established at far corner of the yard area – fire point in place, sand bucket in place. V Contractor's electrical tools have current PAT certification. 2.5 Portable Electrical Equipment To be checked by Rydon site team. Microwave within the canteen - PAT tested, sited to allow vents to act. 2.6 Heat source: cooking equipment, microwaves Obstruction of 2.7 equipment ventilation

Ref No.	Hazard	Existing control measures in place (italics identifies those <u>not</u> adequately controlled/not in place) NB – None is acceptable for pre-construction assessments		isk cated ith cont Med	rols	 rther ction No
3	Sources of fuel & oxygen that may assist fire growth					
3.1	Accumulation of Clothing in drying room, and offices	This area is to be monitored to prevent excessive build up.			~	
3.2	Accumulation of Waste Materials/ packaging, food stuffs etc.	The bins will need to be monitored to prevent excessive waste build up.				
3.3	Left over News Papers in drying room	The bins will need to be monitored to prevent excessive waste build up. En sure skips are changed frequently to ensure packaging etc can be removed.		7		
3.4	Furniture plastic chairs and material covered chairs	Stocks are kept to a minimum and will be disposed if broken.			~	
3.5	Stored Aerosols	There is a small amount of aerosols Spray line marker etc. To be kept in a metal container.			_	
4	Rapid fire & smoke spread through building					
4.1	Natural ventilation	Common areas within the building do not have natural ventilation.			~	
4.2	Conduction, convection & radiation	The occupied units within the tower are rated to 1 hour fire protection. Existing fire stopping is in place. Where new penetrations are opened they have fire stopping installed by the end of the shift. Where permanent fire stopping is missing Rydon to inform the client immediately.		~		
5	Fire spread to adjacent properties					
5.1	Adjacent properties	Natural fire breaks due to the layout of the area. Fire unlikely to spread to adjacent buildings.			~	
5.2	Construction project	Hot works minimised on site – only grinding and cutting under the permit system – this is within the boxing club area (low risk) and during demo. Fire watchers form part of the procedure.		~		
5.3	Occupied Premises	The occupied units within the tower are rated to 1 hour fire protection. Existing fire stopping is in place. Where new penetrations are opened they have fire stopping installed by the end of the shift. Where permanent fire stopping is missing Rydon to inform the client immediately.		*		
5.4						
6	Fire spread to/from temporary site buildings					
6.1	Fire rating of temporary buildings not sufficient	Temporary buildings have 1 hour fire protection and are sited away from the main building.		П	~	
6.2			П	П		

Ref No.	Hazard	Existing control measures in place (italics identifies those <u>not</u> adequately controlled/not in place) NB – None is acceptable for pre-construction assessments	V	isk cate /ith con Med	trols		irther ction No
7	Persons unaware of fire (warning systems)						
7.1	Persons residing in office & welfare areas	Fire alarm system at fire points on site, in the welfare area and store area.			~		
7.2	Persons located on upper floors	The fire brigade and client have a 'stay put' policy for residents. However there is no system in place for the building. Client and fire brigade have been informed.	v				
7.3	Persons in adjacent buildings	N/A					
7.4	Operatives working in mast climbers	Operatives working in mast climbers have specific procedures outline in RAMs for action in the event of fire.		_			
8	Persons cannot escape safely in the event of fire (means of escape)						
8.1	Persons located in basement locations	Existing fire escape route not impeded.					
8.2	Persons in the upper floors	Operatives to use the protected fire escape route. Residents to stay put.		7			
8.3	Insufficient means of escape	There are multiple exits from the construction areas.					
8.4	Operatives working in mast climbers	Operatives working in mast climbers have specific procedures outline in RAMs for action in the event of fire.		V			
9	Persons cannot be accounted for						
9.1	Person on site unaware of emergency procedures	Covered within site inductions inductions / practiced during drills.			7		
9.2	Visitors to site unaware of emergency procedures	Covered within visitors inductions			~		
9.3	Site operatives, unaware of emergency procedures	Covered within site inductions / practiced during drills.			~		
9.4	Inadequate signing in and out process	Biometric system in place. Print facility not yet in place. Signing in book in place until rectified.		~		~	
9.5							

Hazard	Existing control measures in place (italics identifies those <u>not</u> adequately controlled/not in place) NB – None is acceptable for pre-construction assessments	W	ith cont			rther tion No
Small fire grows rapidly (fire fighting systems)			-			
Persons not trained in fire safety						
Inadequate fire fighting media	Fire points placed at each work area no more than 30m apart		7			
Damaged/vandalised fire fighting media or faulty fire panel	Weekly checks undertaken by Rydon named person. Damaged or missing items replaced immediately, Stock held on site.			~		
Fire service unaware of Fire						
Fire occurring out of hours	The building is occupied 24 hours per day.			~		
Fire service unaware of site hazards / risks(lack of information)			•			
Flammable liquids stored within or adjacent to the accommodation units	Flammable liquids not stored on site – removed daily.			V		
No persons on site when fire breaks out	Site is occupied by residents		~			
Fire service cannot gain access						
Site entrance door locked	Fire brigade have a key to the gate. Monthly liaison on-going.			~		
					П	
				100		
	Small fire grows rapidly (fire fighting systems) Persons not trained in fire safety Inadequate fire fighting media Damaged/ vandalised fire fighting media or faulty fire panel Fire service unaware of Fire Fire occurring out of hours Fire service unaware of site hazards / risks(lack of information) Flammable liquids stored within or adjacent to the accommodation units No persons on site when fire breaks out	Small fire grows rapidly (fire fighting systems) Persons not trained in fire safety Inadequate fire fighting media Damaged/ vandalised fire fighting media or faulty fire panel Fire points placed at each work area no more than 30m apart Weekly checks undertaken by Rydon named person. Damaged or missing items replaced immediately, Stock held on site. Fire service unaware of Fire Fire occurring out of hours The building is occupied 24 hours per day. Fire service unaware of site hazards / risks(lack of information) Flammable liquids stored within or adjacent to the accommodation units No persons on site when fire breaks out Fire service cannot gain access	Hazard	Hazard (italics identifies those not adequately controlled/not in place) With cont High Med	Hazard (italics identifies those not adequately controlled/not in place) MS - None is acceptable for pre-construction assessments MS - None is acceptabl	Hazard (Italics identifies those not adequately controlled/hot in place) With controls High Med Low Yes

Ref No.	Hazard	Existing control measures in place (italics identifies those <u>not</u> adequately controlled/not in place) NB – None is acceptable for pre-construction assessments	isk cate /ith con Med	trols	orther ction No
14	Building fire fighting facilities				
14.1	Lack of fire fighting equipment	Existing building fire fighting equipment in place.		Y	
14.2	Person not trained in its use	Stay put policy means this is not an issue.	~		
14.3	Persons not informed or nominated to monitor / inspect fire fighting equipment	Weekly checks of Rydon equipment in place.		•	
14.4					

15	Existing fire fighting facilities (occupied buildings)					
15.1	Client FRA insufficient / not provided / not reliable	The detection and alarm systems and the AOV do not work. Fire brigade and client aware.	•		~	
15.2	Client Fire Plan insufficient / not provided / not reliable	The detection and alarm systems and the AOV do not work. Fire brigade and client aware.	~		~	
15.3	Existing building not adequately fire stopped	Appears to be in place.		~		
15.4	Existing building systems not serviceable	e.g. AOV / Fire Extinguishers / alarm panels etc – Not serviceable. Fire brigade and client aware.	~		~	
15.5	Temporary voids will be created	temporary fire stopping is undertaken before the end of each shift		~		
15.6						
15.7						

Action Plan – taken from 'Further Action' tick box.

Para no	Priority rating (H M L)	Action/s required to reduce risk	Action/s taken	Date	Name	Revised risk category (H M L)
9.4	М	Fix biometric system to allow print off for roll call.				
15.1 to 15.4	Н	Existing systems to be repaired and the system checked and implemented. On-going liaison with the fire brigade. Request updated FRA and Fire plan from client taking into consideration current circumstances.				
				AND CONTRACTOR CONTRAC		
						1997
				and the state of t		