

1279 - Grenfell Tower - Risk assessment schedule

STUDIO E LLP

Key: Persons at risk: C = Contractor personnel, M = Maintenance staff, P = Public, R = Residents, V = Visitors (E = Environment)

Risk factor rating: L = Likelihood (1 = Low, 2 = Medium, 3 = High); S = Severity (1 = Low, 2 = Medium, 3 = High); R = Risk (Likelihood x Severity)

- Hazards scoring a **Risk factor 3** attracts special notice, **Risk factor of 4** or more require special management and an action plan to be agreed with the CDM co-ordinator.

Project CDM co-ordinator: Appleyards							Latest review: 23/10/2013		Pages: 2
Element / Activity	No.	Potential hazard	Persons at risk*	Risk factor*			Actioned		Possible control options (Contractor)
				L	S	R	By	Date	
General	00a	Fire risk during works	C/P/R	2	3	6			Contractor's responsibility to design and implement fire escape strategy to ensure safety during works
	00b	Asbestos: removal or containment	C/R	2	2	4			Asbestos report commissioned. Findings and recommendations described in EAS's May 2012 Report No: S30902 - 91 Grenfell Tower. Further intrusive surveys commissioned. – results awaited.
	00c	Disruption of services: water, electricity, gas, etc.	R	2	2	4			Contractors method statement required
	00d	TV dishes, etc; danger of falling while removing or, in future, erecting existing tenant installations	M/R	2	2	4			A central aerial system will be installed, tenants will not install private systems.
	00e	Machinery – noise & vibration during the works	R	3	1	3			
	00f	Public safety; construction site activities, wet & dirty streets and access	P/R	1	2	2			Contractor to monitor during construction
	00g	Emergency vehicle access, strategy during works	P/R	1	2	2			Contractor to monitor during construction
	00h	Injury to persons resident during the works	P/R	1	1	1			
	00i	Traffic disruption; access to parking and for services and statutory bodies	R	1	1	1			Contractor to monitor during construction
	00j	Unauthorized / unintentional access to site	P/R/V	1	1	1			Hoarding and monitored security to suit local conditions
Site clearance	01a	Collapse of structure	C/P/R	1	3	3			Temp. works method statement required
Access / egress	02a	Machine movement / risk of collision due to lack of visibility, poor sightlines	C/P/R	1	2	2			
	02b	Temporary closures of Grenfell Road to services	R	1	1	1			
Excavation, demolition	03a	Machinery – noise & vibration	C/P	3	1	3			Working hours to be agreed, out of hours working to be limited / negotiated / prohibited
	03b	Machine collision / vehicle stability	C	2	1	2			
	03c	Risk of collapse / falls	C	1	2	2			

Scaffolding	04a	Falls from height	C	1	3	3			Contractors method statement required
	04b	Falling objects	C/P/R	1	3	3			Contractors method statement required
	04c	Projections	C/R	1	1	1			
	04d	Tripping and slipping	C	1	1	1			
	04e	Collision of ground floor site traffic with elevated gantry / scaffolding supporting MCWP's.	C	1	3	3	Advice sought from London Hoist on the feasibility of using MCWP's and their requirements for supporting gantry and scaffolded working platform. Information obtained has been translated onto Phasing drawings.		Contractor's design
Stripping out, demolition	05a	Falls from openings	C/R	1	3	3			Contractors method statement required
	05b	Falling objects	C/P/R	1	2	2			
	05c	Moving objects / crushing	C/P/R	1	1	1			
Craneage	06a	Falling objects	C/P/R	1	2	2			
	06b	Moving objects / crushing	C	1	1	1			
Structural steel	07a	Infill floor, SE corner, mezz & office levels	C/P/R	1	2	2	Design is being coordinated.		
	07b	Handling	C	1	2	2			
	07c	Cutting, welding, hot work	C	1	1	1	Only unavoidable hot work permitted		Contractor to institute permit system
	08a	Shot-firing or drilling injuries	C	1	2	2			
	09a	Falling / breaking glazed units	C/P	1	3	3			Contractors method statement required
Frame preparation	09b	Falls from height	C	1	3	3			Contractors method statement required
Installation of new cladding	09c	Handling	C	1	2	2			
	09d	noise & vibration during the works	R/P	3	1	3	Diamond core drilling for facade fixings considered but proved cost prohibitive.		Contractors method statement required
	10a	Handling	C	2	1	2			
	11a	Working at height	C	2	1	2			
Brick- & blockwork	12a	Making connections to existing live services	C/R	1	3	3			Contractor to carry forward to M&E installer
Plastering	13a	Working at height	C	2	1	2			
Installation of new services	14a	Cleaning of new external cladding windows	R	2	2	4	Horizontal 'tilt & turn' units with key-operated restrictor will now be fitted. Keys to be in tenants' possession.	10/2012	Carry forward to O&M manuals
Decoration	14b	Cleaning of new curtain wall elements	M	2	2	4			Carry forward to O&M manuals
Maintenance (future)	14c	Cleaning of new main entrance and nursery entrance canopies	M	2	2	4			Carry forward to O&M manuals
	14d	Re-lamping in double- & triple-height volumes	M	1	2	3			Carry forward to O&M manuals

Fire	14e	Lift maintenance	M/(R)	1	1	2			
	15a	General means of escape: review	R/P/V	1	3	3			
	15b	Alarm system: review	R/P	1	3	3			
	15c	Fire-fighting strategy: review	R/P/V	1	3	3			
	15d	Escape strategy at mezz. ground & walkway levels - from lifts and commercial premises	R/P/V	1	3	3			
	16a	Access for sanitary services: review	M/R	2	1	3			
Rubbish removal									