Landscape Design Risk Register

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Project: Building S4, Kings Cross

Job No: 1620006900

Client: Argent

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Rev: PO2



Site Wide (SW)										
Hazard Identification					Design Mitigation					
Ref No.	Item / Activity	Hazard	Persons at Risk		Design measures taken, or to be taken, to eliminate or reduce the hazard	Action by		Critical H&S Design Assumptions / Information / Outline of Required Controls	Open/ Closed Transfer to H&S File	
01		Fall injury risk if raised planters are used to climb over the balustrades	End user	Low	Offset planters from edge of terrace by min 1100mm following diagramatic studies using average 5 year old height. No planters placed adjacent to balustrades and balustrade height Raised on 9FL communal SRT to 1300mm. Perimeter planters on LVL 1 are located on outer edge of balustrade and are not accessible to climb on.	RUK/ Contractor	Construction Phase		Open	
02		Risk of damage to trees/completed building. Risk of injury due to falling debris	Construction workers	Medium	Suitable lifting equipment to be used, and trees to be secured appropriately during lifting (i.e. strapping and guide ropes). Area beneath lifting area to be fenced off incase of falling debris.	Contractor	Construction Phase	Contractor to provide plan of exclusion zone during use of cranes to lift trees.	Open	
03	Regular maintenance of planting to roof terraces will require trained staff to accessing raised planters near to balustrades.	Fall injury risk when undertaking maintence near to balustrade.	Maintenance operatives/ Construction workers	Low	Use of long-reach tools as needed to prune trees. Use of MEWP/scaffolding to maintain 1FL terraces from ground floor. Where possible, planting maintenance to be undertaken away from balustrade. Anchor point and hand rail for biodiverse roof planting areas (under architects scope).	RUK/ A&M/ Contractor	Construction Phase	Biodiverse roof still in abeyance. Access strategy to be confirmed by A&M.	Open	
04	need to be secured to mitigate	Risk of injury if plants are not secured approriately. Risk of damage to building and/or tree.	End user/ Maintenance operatives	Low	Suitable anchoring systems should be used when planting trees that pose a risk of falling (i.e. anything over 1.8m), such as underground guying system. Tall Trachycarpus trees will require additional fixing back to anchor point on screens/facades.	RUK/ Contractor	Construction Phase		Open	
05		Risk injury when using cutting equipment and risk of inhalation of dust particles.	Construction workers	Low	Suitable training and appropriate use of PPE and masks. Design to minimize requirement for cutting where possible.	RUK/ Contractor	Construction Phase		Open	
06	Risk of falling branches in high wind.	Falling branches pose risk of injury if blown clear of terraces.	End user/ Public	Low	Specified trees resistant to wind. Regular arboicultural checks once trees reach maturity. Regular checks that rootball and anchor system have not become exposed, ensure soil coverage is thorough. Weakend branches to be removed as part of routine maintenance. Trees positioned away from the edge of terraces	RUK/ Contractor	Construction Phase	If tree species specified in schedule need to be sourced, Landscape architect to approve species change to check wind resistant. Maintenance operatives to be briefed. Qualified arboriculturist to be engaged into mainteance team.		

Hazard Identification					Design Mitigation					
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				Low					Transfer to H&S File	
07	Falling furniture	Potenital for unfixed furniture to be blown, or thrown from terraces.	End user/ Public	Low	All furniture to be securely fixed in place to manufacturers recommendations. No un-fixed furniture to be specified.	RUK/ Contractor	Construction Phase		Open	
08	Wind lift of log piles and sand surface treatment of mounds from biodiverse roofs	Risk of injury from sand/ grit in eyes and/or injury from falling logs or debris	End user/ Public	Low	Use larger logs with lower likelihood of displacement and ensure they are well bedded down into substrate. Maintenance inpsections to check for smaller loose pieces which may become hazardous. Sand surface should be well watered in and irrigation maintained to prevent very dry condiitons which will loosen material.		Construction Phase			

Design Mitigation: All risks, including risks that are normal to the type of work, should be avoided or reduced as far as reasonably practicable by altering the design.

Significant Residual Risks: , A 'residual risk' is one that remains after design mitigation. Whatever its likelihood/severity a residual risk, is 'signifi cant' only if it is unusual, unexpected, abnormal or difficult to manage, assuming a competent contractor.