

Risk Assessment Completion Guidelines

London Stone Conservation

Assessor: Lee Thorne

Client: JW Marriott

Page: 1 of 2

Date of Assessment: 17th February 2009
(weekly review thereafter)

Nature of Works: Stone Repair Works

Project Address: Grosvenor House, Park Lane, London

Activity	Risk	Likelihood	Severity	Total	Control Measures Implemented to reduce the Risk	Residual Risk
Setting up site	Collision with vehicles Obstruction of existing fire escape routes Presenting trip hazards	3	3	9	A demarcated working zone is to be agreed with the Hotel Facilities Manager in advance that will match the working area used during the facade cleaning. The zone should be marked by pedestrian crowd control barriers and located at the centre of the courtyard. This will ensure no existing fire escapes are obstructed. No materials or tools will be offloaded until the working zone is established.	6
Use of mobile elevated work platform	Injury through lack of training in controls Risk of falling materials to the public	2	4	8	One operative will be designated to use the MEWP who has undertaken IPAF training. Familiarisation training for the equipment will also be provided. A copy of the LOLER Thorough Examination Certificate will be held on site. An exclusion zone to be established below the MEWP marked by tape. Where required, protection will be provided to ensure the control of any risk of falling material.	4
Stone repairs	Cuts to hand Falling materials Exposure to silica	4	4	16	All operatives are experienced stonemasons with extensive competency in the use of the tools and equipment provided. Personal protective equipment to be used, including eye and ear protection, along with safety footwear and gloves, when cutting. Platform to provide a landing onto which materials will securely fall. Exposure to silica will remain minimal due to the outdoor environment and the minimal levels of cutting. Dust masks will be provided for use if required by any operative. A hoover will also be provided on site for use in close proximity to any cutting for the extraction of dust. Manual handling risks will remain minimal as areas of stone to be replaced are small in size (below 20kgs each item).	4
Cleaning of site	Manual handling Trip hazards	4	2	8	All debris will be cleaned as generated to avoid displacement by windy conditions. Toughened waste bags will be provided to allow for removal of waste in 20kgs loadings.	4
Use of power tools	Explosion Fire Electrocution	2	4	8	All power tools to be provided as new or subject to portable appliance testing within the previous three months. Use of angle grinders will be by trained operatives only, familiar with mounting discs and use of the equipment. All equipment to be visually inspected before use and all guards and handles to remain in place throughout use.	4

Risk Rating System

Each operation within the project will be assessed to identify potentially hazardous activities from which the significant risks can be ascertained. A rating of risk is then made by assessing the severity of any injuries or other loss and the likelihood of that injury or loss arising. This calculation is made before any control measures are implemented.

Calculation of Risk Rating

Ranking of Severity	
Score	Severity
1	<i>Minor</i>
2	<i>Moderate</i>
3	<i>Moderate to High</i>
4	<i>High</i>
5	<i>Catastrophic</i>

Ranking of Likelihood	
Score	Likelihood
1	<i>Very Remote</i>
2	<i>Unlikely</i>
3	<i>Possible</i>
4	<i>Very Possible</i>
5	<i>Certain</i>

Once an assessment of severity and likelihood has been made, the score of each is multiplied together to produce a risk-rating figure. The matrix below can then be addressed:

		Severity				
		5	4	3	2	1
Likelihood	5	25	20	15	10	5
	4	20	16	12	8	4
	3	15	12	9	6	3
	2	10	8	6	4	2
	1	5	4	3	2	1

Minor Risks	<i>1 to 6</i>	No further action needed
Medium Risk	<i>8 to 12</i>	Further control measures needed before works start
High Risk	<i>15 to 25</i>	Further control measures and specialist guidance needed before works start