


# DESIGNERS RISK ASSESSMENT

Sheet No:1	Name: <b>Elliot Parker</b>	Project No: <b>16240</b>			
	Date: <b>October 2017</b>	Project: <b>Carn Gwavel, Isles of Scilly</b> Brief Description: Extension to an existing school			
Activity, Design. Describe including drg Nos etc	Hazard / Risk Outline what the potential to cause harm as a result of column 1	Initial Risk Rating	Actions by Designer to reduce risk a) Is the risk rating >1 If yes consider the need to reduce risk b) Can the risk be avoided or reduced by changing the design c) If the final risk rating is still >1 then explain why and what others need to do to minimise the risk	Final Risk Rating See matrix. If >1 info reqd for File / Plan	Is the final Risk Rating 2 or 3 If so, in what form has the information been Sent to PS <hr/> Responsible Party:
<b>Excavation:</b> MBA Drg: 16240 - 10	<i>Possibility of encountering existing services during excavation works.</i>	Ser. = H Lik. = L <b>Risk= 2</b>	<i>Prior to any excavation, contractor to carry out comprehensive services sweep; to be advised by Client of any known services in the area. Contractor to adopt established safe working practices in respect of excavation to safely determine services locations prior to commencement of any excavation work, refer to HSE HS(G) 47 Avoiding danger from underground services, L22 Safe use of work equipment PUWER 1998.</i>	<b>1</b>	<hr/> Contractor
<b>Excavation cont.:</b> MBA Drg: 16240 - 10	<i>Possibility of site operatives being exposed to sources of site contamination.</i>	Ser. = M Lik. = M <b>Risk= 2</b>	<i>If any sources of contamination are exposed, Geotechnical Engineer to be contacted to carry out any additional testing required to verify hazard. Contractor to put in place all necessary procedures to ensure safe working conditions for site workers. Refer to Ian Farmer Associates Ground Investigation report (Contract No. C60562) for recommendations on reducing contamination risk for site workers.</i>	<b>1</b>	<hr/> Contractor

		H	M	L
SEVERITY	H	3	3	2
	M	3	2	1
	L	2	1	1

## SEVERITY

H – Fatality, major injury causing long term disability  
M – Injury or illness causing short term disability  
L – Other injury or illness

## LIKELIHOOD


H – Certain or near certain  
M – Reasonably likely  
L – Very seldom or never

## RISK RATING

3 – High risk- Action required  
2 – Medium risk – Action required unless good reason  
1 – Low risk – No action required

## LIKELIHOOD

# DESIGNERS RISK ASSESSMENT

Sheet No:2	Name: <b>Elliot Parker</b>	Project No: <b>16240</b>			
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<b>Manual handling of proposed steelwork:</b> MBA Drg: 16240 - 15	<i>Injury through unsafe maneuvering and installation of proposed steelwork</i>	Ser. = H Lik. = L <b>Risk= 2</b>	Contractor to adopt safe, established work practices to provide suitable means for safe transportation and installation of proposed steels. Contractor to prepare method statement covering the sequencing, installation and temporary works proposals and commission specialist supplier designed lifting equipment where appropriate. Contractor to advise of any fabricator designed splice locations required to the steelwork, location and loadings for design to be agreed with MBA prior to fabrication.	<b>1</b>	<hr/> Contractor
<b>Undertaking modifications to existing building structure.</b> MBA Drg: 16240 - 15	Possibility of localised collapse of existing structure.	Ser. = H Lik. = M <b>Risk= 2</b>	Following intrusive surveys the form and spans of the existing structure has been identified on MBA drawings. Location of anticipated temporary supports are indicated on drawings where applicable together with design loadings. Contractor to prepare a design of temporary works where required to ensure that the existing building is adequately supported during the execution of the works and to maintain its stability at all time.	<b>1</b>	<hr/> Contractor

		H	M	L
SEVERITY	H	3	3	2
	M	3	2	1
	L	2	1	1

## SEVERITY

- H – Fatality, major injury causing long term disability
- M – Injury or illness causing short term disability
- L – Other injury or illness

## LIKELYHOOD


- H – Certain or near certain
- M – Reasonably likely
- L – Very seldom or never

## RISK RATING

- 3 – High risk- Action required
- 2 – Medium risk – Action required unless good reason
- 1 – Low risk – No action required

## LIKELYHOOD

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Sheet No:3	Name: <b>Elliot Parker</b>	Project No: <b>16240</b>			
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<b>Structural Steel Framing:</b> MBA Drg: 16240 - 15	Temporary erection of structures.	Ser. = H Lik. = L <b>Risk= 2</b>	Beyond designer's scope to reduce this risk; inherent with the project realization. Contractor to ensure adequate stability of all structural elements during construction phase. Refer to BCSA Guidance Notes – Safer Erection of Steel Framed Buildings Nov. 1999. Structural stability of the steelwork is reliant on structural timber elements. Steel must remained braced until all structural timber is fixed into place.	<b>1</b>	<hr/> Contractor
<b>Concrete Placement:</b> MBA Drg: 16240 - 10	In situ concrete / contact with cement products Adequate temporary support.	Ser. = M Lik. = L <b>Risk= 1</b>	In situ RC works to be carried out by suitably experienced and competent contractor conversant with the H&S implications associated when working with in-situ concrete with a suitable strategy put in place to ensure adequate protection of workforce. For information: refer to HSE EH40 Occupational exposure limits, MS24 Medical aspects of occupational skin disease. Contractor to ensure appropriately designed temporary works are commissioned and erected to suit safe forming of all required in-situ RC elements.	<b>1</b>	<hr/> Contractor

				SEVERITY	LIKELIHOOD	RISK RATING	
SEVERITY	H	M	L				
	H	3	3	2	H – Fatality, major injury causing long term disability	H – Certain or near certain	3 – High risk- Action required
	M	3	2	1	M – Injury or illness causing short term disability	M – Reasonably likely	2 – Medium risk – Action required unless good reason
	L	2	1	1	L – Other injury or illness	L – Very seldom or never	1 – Low risk – No action required

## LIKELIHOOD

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# DESIGNERS RISK ASSESSMENT

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<b>Access / Egress to the site:</b> MBA Drg: N/A	Maneuverability of plant and frequent deliveries to site hampered by restricted site access within working hotel complex.	Ser. = M Lik. = L <b>Risk= 1</b>	Contractor to put in place a site management plan to co-ordinate deliveries, maintaining communication with occupants of neighboring properties, general public and hotel employees.	<b>1</b>	Contractor
<b>Working at height:</b> MBA Drg: 16240 - 15	Falls from height, falling objects etc.	Ser. = H Lik. = L <b>Risk= 2</b>	Contractor to put in place a site management plan to co-ordinate deliveries, maintaining communication with occupants of neighboring properties.	<b>1</b>	Contractor
<b>Post Construction:</b> MBA Drg: General	Safe working space for general maintenance of building and maintenance and replacement of mechanical services etc.	Ser. = M Lik. = L <b>Risk = 1</b>	Contractor and Architect responsibility to ensure this is provided following receipt of structural information.	<b>1</b>	Contractor/Architect

		H	M	L
SEVERITY	H	3	3	2
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