

Designer's assessment of safety and health hazards/risks			
Heavey Kenny Associates Consulting Engineers	Project: LEV Systems Upgrade Project, GRET B Training Centres, Building No 1 and No 2, Mervue Business Park, Galway.	Designer: John Carr	Date: Aug 2026
	Ref No: 6917-3	Checker: Ross Delaney	Sheet no: 1 of 4
Design Stage: Stage 3		<i>Note: review previous stage b/f items</i>	
No.	Key construction hazards (or risks) identified	Evaluations. Design decisions made (or alternative actions)	
1	<u>General Items</u> <i>Access to High Level Services throughout the Building No 1 and Building No 2.</i>	<i>It will be necessary to provide access to the Mechanical and Electrical Contractors installing mechanical and Electrical services at high level throughout the Building No 1 and No 2, including the provision of future access for maintenance purposes.</i> Action: <i>It should be indicated in the Preliminary Health and safety Plan, that the Main Contractor shall provide suitable scaffolding throughout Building No 1 and No 2 to his Mechanical and Electrical Contractors installing their Services at high level as necessary.</i> <i>We have determined that the training centre caretaker can gain future access to the High-Level services throughout the building, with the provision of a "Tower" Scaffolding that can be brought in and assembled as necessary when required.</i> <i>It should be noted in the safety file that all floors will require to be protected from excessive point loads when using height for hire equipment as per the flooring supplier's recommendations.</i>	
Notes re providing information [see Chap 4]		Item Nos. (from above)	Remarks
a) for client's designers [section 4.3] b) 'Schedule 1' hazards/particular risks [Box B] c) other 'particular risks' [Box C] d) re assumed construction methods [Box D]		1	Falling from a height
e) for Safety File [section 4.5] f) in-house: b/f to future stages		1	To be noted in the safety file.
<i>Other parties please take note:</i> These are designer's risk evaluations of design options carried out in-house for the purpose of our complying with designers' duties under the Safety, Health and Welfare at Work (Construction) (Amendment) Regulations SI No 528 2021. The evaluations relate only to those aspects/elements of the project which we are responsible for designing under the terms of our appointment by our client. Other parties should not rely on these evaluations for their own purposes; in particular, contractors, who must deal with and control all risks arising during construction, must carry out their own definitive risk assessments <i>ab initio</i> for that purpose.			

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Design Stage: **Stage 3**

Note: review previous stage b/f items

No.	Key construction hazards (or risks) identified	Evaluations. Design decisions made (or alternative actions)
2	<u>General Items</u> Lifting plant and equipment into position.	Heavey Kenny Associates have identified in our Design risk Assessments that it will be necessary to disconnect and remove the redundant Fume Extraction Fans, generally at high level within Building No 1 and No 2, including some fans at roof level, including lifting into position a new Tower Filtration Unit in the metal Fabrication Workshop. Action: It should be indicated in the Preliminary Health and safety Plan, that the Main Contractor shall provide a method statement for the proposed lifting and placing into position of all of the plant and equipment, including the removal of the redundant plant, etc., as necessary.

Notes re providing information [see Chap 4]	Item Nos. (from above)	Remarks
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		Ref No: 6917-3	Checker: Ross Delaney
		Date: Aug 2026	Sheet no: 3 of 4
Design Stage: Stage 3		<i>Note: review previous stage b/f items</i>	
No.	Key construction hazards (or risks) identified	Evaluations. Design decisions made (or alternative actions)	
3	<u>Access to the Roof</u> Installation of the new fume extraction fans on the roofs of Building No 1 and Building No 2, and future access to the roofs for maintenance purposes.	Heavey Kenny Associates have identified in our Design risk Assessments that it will be necessary to provide safe access to the roof of both Building No 1 and Building No 2, for the installation of the Fume Extraction Fans and for ongoing future maintenance of the fans. Action: It should be indicated in the Preliminary Health and safety Plan, that the Main Contractor shall arrange with their sub-contractors to provide a method statement on the installation of the Fume Extraction Fans on the roof, and the Main Contractor shall provide all scaffolding and height for hire equipment required by the sub-contractors, to safely carry out their works. It should be noted in the Project Safety File that the ongoing maintenance of the Fume extraction Fans on the roof of Building No 1 and Building No 2 will require to be carried out by trained personnel, who shall provide a method statement for the maintenance of the Fume Extraction Fans and shall take all necessary safety precautions required when accessing the roof of both Building No 1 and Building No 2 for ongoing maintenance purposes in the future.	
Notes re providing information [see Chap 4]		Item Nos. (from above)	Remarks
a) for client's designers [section 4.3] b) 'Schedule 1' hazards/particular risks [Box B] c) other 'particular risks' [Box C] d) re assumed construction methods [Box D]		3	Falling from a height
e) for Safety File [section 4.5] f) in-house: b/f to future stages		3	To be noted in the safety file.
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4	<u>Procedures for the Safe Design and Installation of Anchors</u> Installation of Anchors for the Mechanical and Electrical Services Installations in the Building No 1 and Building No 2.	Heavey Kenny Associates have identified in our Design Risk Assessments for the Mechanical and Electrical Services Installations that the following Anchors are considered to be safety-critical situations in accordance with Section 60 of the Safety, Health and Welfare at Work Act 2005.	
4 (a)	Mechanical and Electrical Services Installations	Provision of all support brackets for the Mechanical and Electrical Services ductwork runs at high level in both Building No 1 and Building No 2, and the suspension of the New Fume extraction fans from the structure throughout the building (Table 2.1.9). Action: It should be indicated in the Preliminary Health & Safety Plan that the Main Contractor shall liaise with his Specialist Contractors/ suppliers to ensure that all anchors to the structure for the Mechanical and Electrical Services Installations have a European Technical Approval (ETA) for the specific application and are installed in accordance with the manufacturers' instructions. It should also be noted in the safety file that all future anchors to the structure will require to comply with the above requirements.	
Notes re providing information [see Chap 4]		Item Nos. (from above)	Remarks
a) for client's designers [section 4.3]		4 (a)	Refer to Form FM-01 in the Design File
b) 'Schedule 1' hazards/particular risks [Box B]		4 (a)	Risk of injury or death due to the failure of an anchor
c) other 'particular risks' [Box C]			
d) re assumed construction methods [Box D]			
e) for Safety File [section 4.5]		4 (a)	To be noted in the safety file
f) in-house: b/f to future stages			

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