

# Construction (Design & Management) Regulations 2015

## Residual Risk Assessment Form

|                                                                |                               |
|----------------------------------------------------------------|-------------------------------|
| Project: Play Zone Pilots, Scotland Hall Road (RIBA Stage 3/4) | Name of Assessor: Tim Lambert |
| Project No: 13034                                              | Date: 09/10/2019              |

| Area of Risk                                                                                                                   | Activity                                                                                    | Hazards Identified                                                       | Outcome | Probability | Action Required                                                                                                                                                                 | Comments                                                                                                               | Signature                              |
|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Site - The area within the red line boundary of the proposed site plan and the area directly outside of this red line boundary | Public safety site setup and enabling works/demolition works to existing site and buildings | Areas adjacent to site still in use / accessible during demolition phase | 2       | D           | Clear boundaries and site access to be identified / controlled by Contractor                                                                                                    | Contractor to develop and employ an acceptable strategy and method statement                                           | Main Contractor                        |
| Site - The area within the red line boundary of the proposed site plan and the area directly outside of this red line boundary | Public safety during construction phase. Unauthorised entry to site                         | Possible injury to public using adjacent areas of site                   | 2       | C           | Clear boundaries and site access to be identified / controlled by Contractor                                                                                                    | Contractor to develop and employ an acceptable strategy and method statement                                           | Main Contractor                        |
| Pitch, Fencing & Equipment                                                                                                     | Delivery / erection of large construction elements (eg. steel frame)                        | Injury to persons or damage to property during delivery / erection       | 2       | D           | Assess adequacy of site access and space to accommodate delivery vehicles and lifting equipment                                                                                 | Contractor to ensure use of correct plant for delivery / handling and erection. Contractor to develop method statement | Main Contractor                        |
| Site (within red line boundary)                                                                                                | Heavy construction components                                                               | Risk of injury through inappropriate handling & transportation           | 2       | C           | Avoid specifying heavy materials or materials difficult to handle/ install as far as practicable                                                                                | Review with Contractor as design develops                                                                              | Main Contractor                        |
| Pitch, Fencing & Equipment                                                                                                     | Epoxy (hazardous) materials                                                                 | Inhalation of toxic fumes during application                             | 2 / 3   | D           | Ensure safe working practices are followed. Consider temporary mechanical ventilation if materials are to be used in confined spaces. Limit use of materials where practicable. | Contractor to develop risk assessment and follow safe working practices                                                | Main Contractor                        |
| Pitch, Fencing & Equipment                                                                                                     | Access to high level elements during construction/erection                                  | Working at height / risk of falling                                      | 2       | C           | Develop safe access routes to tall elements requiring regular maintenance. Ensure                                                                                               | Existing cleaning / maintenance access strategy to be reviewed and updated (if required) by Manchester City Council in | Client / Design Team / Main Contractor |

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|                                 |                                                                                       |                                                                                |       |       |                                                                                                                                                                                                                                         |                                                                                                                                                                     |                      |
|---------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                 |                                                                                       |                                                                                |       |       | provision of adequate and suitable hard standing to accommodate elevating platform / MEWP. Provide suitable perimeter safety barrier/ guarding system                                                                                   | line with their own standards and guidelines                                                                                                                        |                      |
| Pitch, Fencing & Equipment      | Inspection / maintenance of high level elements                                       | Falling from height                                                            | 2     | C     | Develop safe access routes to tall elements requiring regular maintenance. Ensure provision of adequate and suitable hard standing to accommodate elevating platform / MEWP. Provide suitable perimeter safety barrier/ guarding system | Existing cleaning / maintenance access strategy to be reviewed and updated (if required) by Manchester City Council in line with their own standards and guidelines | Client / Design Team |
| Pitch, Fencing & Equipment      | Servicing of high level fittings within facility                                      | Falling from height. Falling objects                                           | 2     | D     | Avoid locating serviceable fittings in difficult to reach spaces or voids. Consider access for scissor lift / MEWP. M&E engineer to provide details of hazard identification of proposed services/fittings                              | Liaise with M&E Eng to co-ordinate location of high level fittings                                                                                                  | Client / Design Team |
| Site (within red line boundary) | Access for ambulance, fire engine and other emergency service vehicles and employees. | Injury to persons or damage to property during access / servicing.             | 2 / 3 | D     | Develop safe service access routes and propose comprehensive signage design. External works design to incorporate adequate. Provide appropriate access/hard standing to perimeter of building and to access/escape points.              | Existing emergency strategy to be reviewed and updated (if required) by Manchester City Council in line with their own standards and guidelines                     | Client               |
| Pitch, Fencing & Equipment      | Completed pitch, fencing and equipment does not comply with relevant                  | Risk of injury to public through intended usage of pitch, fencing or equipment | 2 / 3 | C / D | List of all relevant standards and design expectations to be provided by Client at tender                                                                                                                                               | Main Contractor to ensure all Contractor's Proposals meet all relevant British Standards, Guidance and Codes of Practice/standards                                  | Main Contractor      |

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|  |                                                                      |  |  |  |  |  |  |
|--|----------------------------------------------------------------------|--|--|--|--|--|--|
|  | British Standards,<br>Guidance and<br>Codes of<br>Practice/standards |  |  |  |  |  |  |
|--|----------------------------------------------------------------------|--|--|--|--|--|--|

| Worst Case Outcome                                 | Probability/Likelihood |                                               |
|----------------------------------------------------|------------------------|-----------------------------------------------|
| 1. Fatal                                           | A. Likely/Frequent     | Occurs Repeated/Event only to be expected     |
| 2. Major Injury/Permanent Disability or Ill Health | B. Probable            | Not Surprised will occur several times.       |
| 3. Minor Injury                                    | C. Possible            | Could occur sometime                          |
| 4. Unlikely to Cause Harm                          | D. Remote              | Unlikely, though conceivable                  |
|                                                    | E. Improbable          | So unlikely that probability is close to zero |