

# Project Name

Stage Number

Part 1 of 2

Version No, DD Month YYYY



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(Project Architect name)  
(Project Architect email)  
  
Company address

# CDM Analysis Report including Pre-Construction Information (PCI)



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Page numbers to  
be adjusted as  
required

# Introduction

'Gateway West' is a mixed-use scheme located in Surrey. The site is located at the western end of the high street, and will act as a catalyst for the regeneration of the town centre and the local area.

The site also presents a strong opportunity for place-making by creating a new destination and upgraded public spaces for both visitors and residents.

The proposals will not only enhance the quality of the existing site, but provide a wide range of services to the wider local community such as retail, leisure, residential and student accommodation.



# 1.0 Project CDM Strategy Brief (CDM1)

CDM Strategy Brief	Team Responses to Project Leader	Comments - Contact details, Notes, Dates Reviews etc.	●
<b>Project Details</b>			
Description of project / outline scope of works.			
Address/location/environment of site.			
<b>Client Brief / Outline CDM Scope</b>			
Operational requirements (e.g.any existing activities to remain e.g. Occupation, Manufacture etc)			
H&S expectations of client (if above Statutory requirements)			
H&S file -format & index (if different to Appendix 4 L153) of future file			
<b>Project Timescales (what are the key stages and how long will they run for?)</b>			
RIBA Stage 0 - Strategic Definition			
RIBA Stage 1 - Preparation and Brief			
RIBA Stage 2 - Concept Design			
RIBA Stage 3 - Developed Design			
RIBA Stage 4 - Technical Design			
RIBA Stage 5 - Construction			
RIBA Stage 6 - Handover & Close Out			
RIBA Stage 7 – In Use			
Commission/ handover/ H & S File			
Clarify at which of the above stages are you starting the CDM/Principal Designer process			
Is there any pre-existing CDM Analysis, risk register, H&S file or relevant information & where?			
<b>Strategic Risks (what are the significant or unusual site H&amp;S risks or client requirements)</b>			
Work involving Particular Risks - Refer to L153-Schedule 3 (eg: offsite manufacture, large PC panels, working over water etc). See Appendix A			

● – Information required / awaiting

Project: 00000 Name of Project	Date: XX Month Year	Design Stage: Workstage (Name)	Revision No: 123
<b>Team Consultees</b>	Client	Struct. Engineer	Services Eng.
<b>Others</b>	PM	Facade	Cost Consultant
	Int. Des	Acoustic	Lighting Design
			P. Contractor
			Facade Access
			Others

CDM Strategy Brief	Team Responses to Project Leader	Comments - Contact details, Notes, Dates Reviews etc.	
Strategic Design Intent and associated risks (e.g. Major temporary works, Stability considerations, unusual site constraints & logistics occupation on site).	(Project specific brief comments eg. Atrium essential, Public use of roof, Building over water, etc)	(Any significant suggestions, recommendations, actions.)	
<b>Project Leadership</b>			
Client	Lead Contact and Organisation	Email	
Project Manager	Lead Contact and Organisation	Email	
Principal designer	Lead Contact and Organisation	Email	
Principal contractor	Lead Contact and Organisation	Email	
Cost Consultant- QS	Lead Contact and Organisation	Email	
Architects	Lead Contact and Organisation	Email	
Designer 1 (eg: Structural)	Lead Contact and Organisation	Email	
Designer 2 (eg: Services)	Lead Contact and Organisation	Email	
Designer 3 (eg: Landscape) etc.	Lead Contact and Organisation	Email	
(Continue as required) (Others).	Lead Contact and Organisation	Email	
<b>Procurement Strategy</b>			
Approx. Contract Sum/Anticipated Project Cost (if known)			
Form of Contract (if agreed)			
<b>Communication Strategy</b>			
Team meetings anticipated, number, frequency, length, location etc. at each workstage. DTMs, CDM, Client etc	Will CDM issues be considered at each DTM? or will dedicated meetings be required? Or both?		
Design Team Induction Process for CDM	(Strategy Brief for new design team members.)		
Visual tools, drawings, analysis documents, reviews essential from all.	(Relevant drawing, images, photos to be included in CDM report.)		
Use of BIM for Health & Safety			
Health and Safety File Status (PD Update of DTMs or Progress Meetings)			
<b>Client Duties</b>			
F10 to be issued			
Provide PCI to team			

CDM Strategy Brief	Team Responses to Project Leader	Comments - Contact details, Notes, Dates Reviews etc.	
Welfare facilities + Site establishment	Assist Client and Principal Contractor with Site Drawings		
Construction phase plan prepared before construction commences	Assist Client and Principal Contractor		

Project: 00000 Name of Project			Date: XX Month Year		Design Stage: Workstage (Name)		Revision No: 123		
<b>Team Consultees</b>	Client		Architect	AHMM	Struct. Engineer		Services Eng.		P. Contractor
<b>Others</b>	PM		P. Designer		Facade		Cost Consultant		Facade Access
	Int. Des		Fire Eng.		Acoustic		Lighting Design		Others

## 2.0 Site Investigation and Surveys Data Tracker (CDM2)



Ref	Item	Action Owner/Notes	Status
1	Ordnance Survey (Accuracy ± 400mm Urban Areas)		Information required
2	Historical Maps		Requested surveys
3	Existing Record Drawings from Client		Information received
4	Drawings (List of Drawings or refer to a Schedule of Drawings)		
5	Existing Health & Safety File (CDM) from Client (Buildings completed or altered since 1995)		
6	Services/Utilities/Statutory Authorities (Location and Capacities) possible diversions and or need for new infrastructure e.g. sub-station. (Gas/water/electricity/ Sewers/Telephone/ Cables/ Drainage condition) Note: PAS 128:2014 Survey Type A		
7	PTAL (Public Transport Accessibility Level) Rating		
8	Other Town Planning Applications		
9	Asbestos (Demolition/ ground)		
10	Aerial Photographs		
11	Historic Photographs		
12	Underground Features (Tunnel/Mining/Fracking)		
13	Boundaries / Land Ownership		
14	Land Registry Plan		
15	Ownership Deeds/Easements /Covenants		
16	Rights of Way		
17	Party Wall Matters		
18	Rights of Light		
19	Listed Building – Historic England Listing Description		
20	Local Development Framework		
21	Land Use Zones		
22	Conservation Areas		
23	View Corridors to Landmarks		
24	Height Restrictions		
25	National Parks		

Ref	Item	Action Owner/Notes	Status
26	Areas of Outstanding Natural Beauty (ANOB)		
27	Green Belt		
28	Refuse Collection Strategy		
29	Sites of Special Scientific Interest (SSSI)		
30	Local Byelaws		
31	Topographic Survey - Measured Survey/Land Survey – Features		
32	Laser Survey/ Sub scan Survey/ Cloud		
33	Structural Survey / Condition Survey		
34	Transport Survey		
35	Parking Survey		
36	Archaeology		
37	Desktop Study/ Photographic survey/ Initial site visit report		
38	Excavations/ Burial site survey		
39	Noise/Acoustic Survey		
40	Air Quality Survey		
41	Arboriculture (Tree) Survey – Tree Preservation Orders/Clay Shrinkage/ Clay Heave/Root Protection Zones Note: BS 5837 (2012)		
42	Ecological Survey (protected species/ bat roosts/snails/slow worms)		
43	Environmental Assessment Survey		
44	Flood Risk Assessment		
45	Geotechnical Survey (bore holes/trial pits- existing features and foundations)		
46	Contamination (Pathogens/Anthrax/ VOC's/Radon/Methane)		
47	Lead Paint Survey		
48	Unexploded Ordnance (UXO) Report		
49	Quality of incoming water		
50	COMAH Regs 2015		
51	*Other relevant Survey Information		

### Status Key

- Information required
- Requested surveys
- Information received

**Note** - This survey tracker is for reference purposes only and should not be considered as a record of survey information or revisions. Responsibility sits with relevant consultants for advising the client of surveys required to carry out their design services and for keeping an up-to-date record of latest survey information.

\* This list is not necessarily comprehensive

Project: 00000 Name of Project		Date: XX Month Year		Design Stage: Workstage (Name)		Revision No: 123			
<b>Team Consultees</b>	Client	Architect		Struct. Engineer		Services Eng.		P. Contractor	
<b>Others</b>	PM	P. Designer		Facade		Cost Consultant		Facade Access	
	Int. Des	Fire Eng.		Acoustic		Lighting Design		Others	

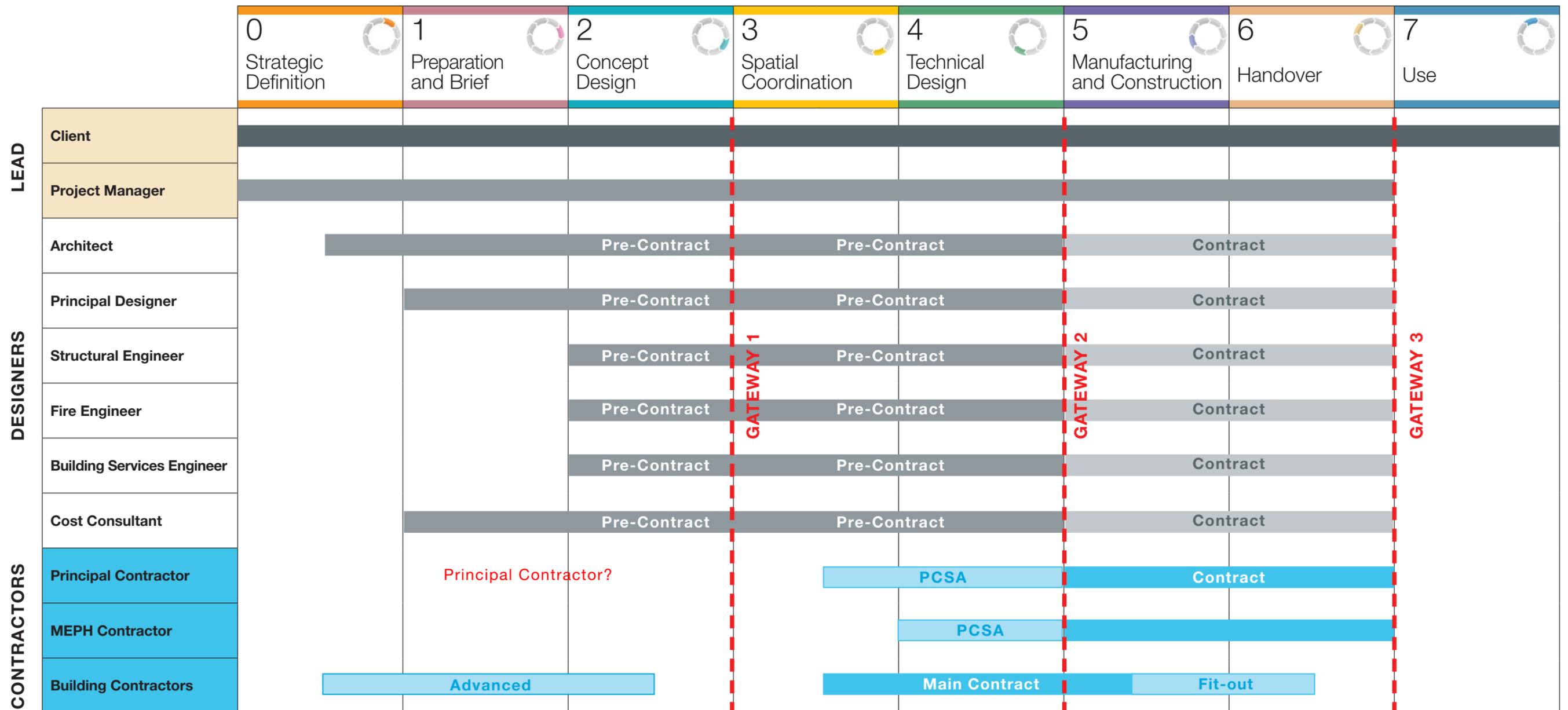
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Ref	Item	Action Owner/Notes	Status

Project: 00000 Name of Project			Date: XX Month Year		Design Stage: Workstage (Name)		Revision No: 123		
<b>Team Consultees</b>	Client		Architect		Struct. Engineer		Services Eng.		P. Contractor
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# 1.0 Project CDM Strategy Brief - Project Team Timeline (CDM1a)

## RIBA Plan of Works



NOTE:-All stakeholders, appointment and contract periods to be adjusted to suit the project strategy.

Project: 00000 Name of Project			Date: XX Month Year			Design Stage: Workstage (Name)			Revision No: 123		
Team Consultees	Client		Architect			Struct. Engineer			Services Eng.		P. Contractor
Others	PM		P. Designer			Facade			Cost Consultant		Facade Access
	Int. Des		Fire Eng.			Acoustic			Lighting Design		Others

### 3.0 Schedule of Significant CDM Issues (CDM3)

Significant Risk/ Issue No.	Significant CDM Issues/ Description of Significant Risk * Generic issues to be avoided	Mitigation, Control Measures or further information 'So far as in reasonably practicable' (SFARP)	Design Issues Owner & Status Not tolerable <span style="color:red">■</span> Ongoing <span style="color:orange">■</span> Tolerable <span style="color:green">■</span>	H&S file ✓
1.0	<b>Site Environs and Site Establishment Strategy</b> (incl. local features, transport corridors, pedestrian flow, welfare provisions, vehicular access, site storage, unloading, cramage etc)	(Brief Information to be added as an executive summary. Details to be added in CDM 4)		
			Action Owner	✓
2.0	<b>Site Enabling Strategy</b> (incl. demolitions, de-contamination, remediation, temp. works etc.)			✓
3.0	<b>Existing Building and Services Strategy</b> (incl. above and below ground features, adjoining properties, party wall issues etc)			
4.0	<b>Structural Works Strategy</b> (incl. permanent, temporary & demolition requirements)			
5.0	<b>Heavy Component Movement Strategy</b> (incl. large, heavy and awkward components, method of vertical and horizontal movement for delivery storage & placement)			
6.0	<b>Off-site &amp; On-site manufacturing and assembly strategy</b> (incl. prefabricated, modular, hand installed etc)			

\* **Significant risks** not necessarily those that involve the greatest risks, but those (including health risks) that are not likely to be obvious, are unusual, or likely to be difficult to manage effectively (Ref. CDM 2015 L153).

Project: 00000 Name of Project		Date: XX Month Year		Design Stage: Workstage (Name)		Revision No: 123			
<b>Team Consultees</b>	Client	Architect		Struct. Engineer		Services Eng.		P. Contractor	
<b>Others</b>	PM	P. Designer		Facade		Cost Consultant		Facade Access	
	Int. Des	Fire Eng.		Acoustic		Lighting Design		Others	



Significant Risk/ Issue No.	Significant CDM Issues/ Description of Significant Risk * Generic issues to be avoided	Mitigation, Control Measures or further information 'So far as in reasonably practicable' (SFARP)	Design Issues Owner & Status	H&S file
			Not tolerable  Ongoing  Tolerable 	✓
7.0	<b>Safe working at height strategies</b> (e.g. significant roof access, high ceilings, etc.)			
8.0	<b>Health Strategy</b> (eg: excessive, dust, MSD, HAV, noise minimisation etc.)			
9.0	<b>Plant &amp; Services design and installation strategy</b> (e.g. location and construction issues)			
10.0	<b>Plant Replacement strategy</b> (e.g. future access issues)			
11.0	<b>Plant, plantrooms services + riser access and Maintenance strategy</b>			
12.0	<b>Facade access, window cleaning and glass replacement strategy</b>			
13.0	<b>Phasing strategy</b> (e.g. site, construction, occupation, etc.)			
14.0	<b>Miscellaneous issues</b> (e.g. landscaping, wellbeing, Workplace Regulations etc.)			
15.0	<b>Quality Control- Client monitoring, Clerk of Works, 3rd Party Certification</b>			
16.0	<b>Fire Strategy ( incl. Building Regs, Compartmentation &amp; Fire Stopping)</b>			

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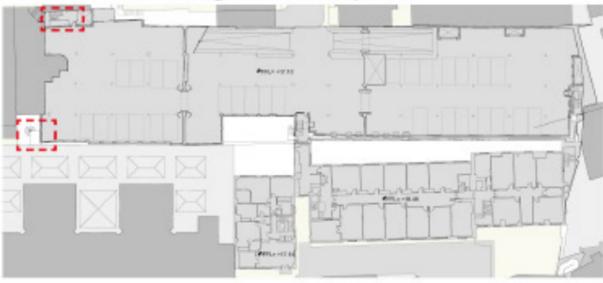
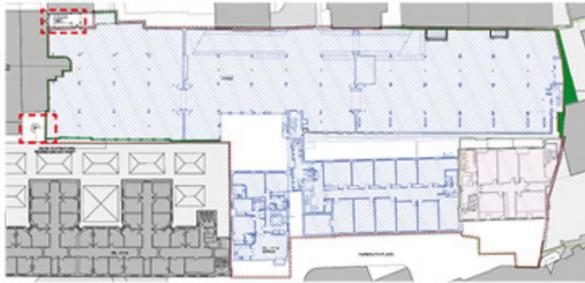
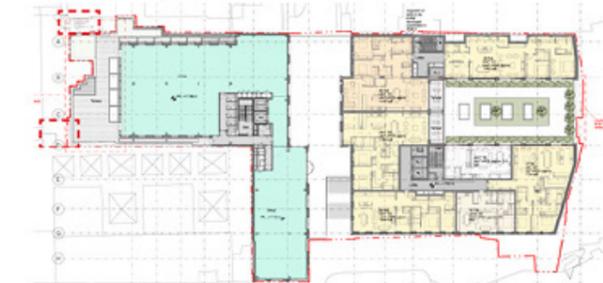
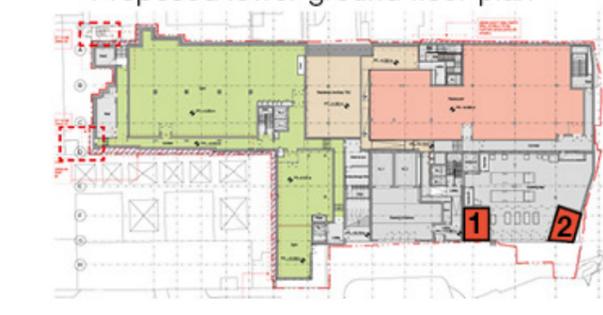
## 4.0 CDM Analysis and Option Matrix (CDM4)

<b>Significant CDM Risk* Issues</b> <b>Ref No:</b>	<b>Significant CDM Issues identified visually</b> 1. Eliminate or avoid Risks (during early design stages) <b>SFARP</b> (so far as reasonably practicable). 2. Reduce or minimise Risks (during all design stages and include a safety system of work) <b>ALARP</b> (as low as reasonably practicable). 3. Provide further information with the design e.g. Residual Risks, Specialist Design Issues, Client FM input etc. 4. Track action owner and status	<b>Design Control Methods</b> Brief comments, Guidance for future Actions etc	<b>Design Risk Owner &amp; Status</b> Not tolerable <span style="color: red;">■</span> Ongoing <span style="color: orange;">■</span> Tolerable <span style="color: green;">■</span>	<b>H&amp;S file</b> ✓
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<b>1.0</b>	<b>Site Environs and Site Establishment Strategy</b>	<p><b>1.1.a Site compound and welfare location</b>                      Repositioning of welfare facilities will be required by the contractor during main building and landscape works.</p> <p><b>1.1.b Access to surrounding properties</b>                      Access during works will need to be maintained. Hoarding line to be positioned to enable safe access, and escape from, surrounding properties. High end chinese shop moving into the west of site. strategy to be agreed with leaseholders</p> <p><b>1.1.c Temporary escape Routes</b>                      to be maintained across site for escape from surrounding properties. Design team to consider fire safety requirements.</p>	Client Client Client	✓ ✓ ✓
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<b>Others</b>	PM	P. Designer		Facade		Cost Consultant	Facade Access
	Int. Des	Fire Eng.		Acoustic		Lighting Design	Others



Significant CDM Risk* Ref No:	Significant CDM Issues identified visually 1. Eliminate or avoid Risks (during early design stages) <b>SFARP</b> (so far as reasonably practicable). 2. Reduce or minimise Risks (during all design stages and include a safety system of work) <b>ALARP</b> (as low as reasonably practicable). 3. Provide further information with the design e.g. Residual Risks, Specialist Design Issues, Client FM input etc. 4. Track action owner and status	Design Control Methods Brief comments, Guidance for future Actions etc	Design Risk Owner & Status Not tolerable <span style="color:red">■</span> Ongoing <span style="color:orange">■</span> Tolerable <span style="color:green">■</span>	H&S file <span style="color:green">✓</span>
2.0	Site Enabling Strategy (incl. demolitions, de-contamination, remediation, temp. works etc.)	<p>2.1.a The escape staircase to be retained throughout demolition and proposed works providing a safe escape route in case of fire, for the adjacent buildings to the street.</p> <p>2.2.b The existing UKPN substation to be decommissioned and demolished.</p> <p>2.3.c The proposed are two UKPN sustations 1. to provide services to the new proposed carrington street building 2. to provide services to external premises. Access and maintenances to both UKPN substation to be agreed and included in H&amp;S file.</p> <p>2.4.d The structural stability of the walls to be retained should be established with structural engineers.</p>	<p>PC</p> <p>Client/ PC</p> <p>Client</p> <p>Struct Eng</p>	
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%; text-align: center;">Existing upper ground floor plan </div> <div style="width: 33%; text-align: center;">Proposed demolition upper ground floor plan </div> <div style="width: 33%; text-align: center;">Proposed upper ground floor plan </div> <div style="width: 33%; text-align: center;">Existing first floor plan </div> <div style="width: 33%; text-align: center;">Proposed demolition first floor plan </div> <div style="width: 33%; text-align: center;">Proposed L01 Floor Plan </div> <div style="width: 33%; text-align: center;">Existing lower ground floor plan </div> <div style="width: 33%; text-align: center;">Proposed demolition lower ground floor plan </div> <div style="width: 33%; text-align: center;">Proposed lower ground floor plan </div> </div> <div style="margin-top: 10px;"> <p><b>Key</b></p> <ul style="list-style-type: none"> <li><span style="border: 1px dashed red; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> a - Staircase to be retained.</li> <li><span style="background-color: red; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> b - Existing UKPN substation.</li> <li><span style="background-color: orange; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> c - Proposed two UKPN substations.</li> <li><span style="border-bottom: 2px solid green; display: inline-block; width: 15px; margin-right: 5px;"></span> d - Retained walls.</li> </ul> </div>				

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Others	PM	P. Designer		Facade		Cost Consultant		Facade Access	
	Int. Des	Fire Eng.		Acoustic		Lighting Design		Others	



<b>Significant CDM Risk* Issues</b> <b>Ref No:</b>	<b>Significant CDM Issues identified visually</b> 1. <b>Eliminate or avoid Risks</b> (during early design stages) <b>SFARP</b> (so far as reasonably practicable). 2. <b>Reduce or minimise Risks</b> (during all design stages and include a safety system of work) <b>ALARP</b> (as low as reasonably practicable). 3. <b>Provide further information</b> with the design e.g. Residual Risks, Specialist Design Issues, Client FM input etc. 4. <b>Track action owner and status</b>	<b>Design Control Methods</b> Brief comments, Guidance for future Actions etc	<b>Design Risk Owner &amp; Status</b> Not tolerable <span style="color: red;">■</span> Ongoing <span style="color: orange;">■</span> Tolerable <span style="color: green;">■</span>	<b>H&amp;S file</b> ✓
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<b>3.0</b>	<b>Existing Building and Services Strategy</b> (incl. above and below ground features, adjoining properties, party wall issues etc)	3.1.a <b>Utility surveys</b> <ul style="list-style-type: none"> <li>Utility surveys have been carried out during Stage 2-3, including desk studies, below grade detection surveys, stakeholder consultation and trial pits. Phase 2 diversion proposals now underway</li> <li>Coordination required with all stakeholders to ensure continued operation and protection of these assets</li> <li>Contractor to devise a safe system of work to include additional searches/survey where information is incomplete or inconclusive. All services uncovered are to be labelled clearly</li> <li>Refer to Appendix 5.6 HM - Combined Services for Enabling Works</li> </ul>	<span style="background-color: green; color: white; padding: 2px;">Enabling works contractor</span>
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Line and Level Thames Water Sewer Survey, by Reach Active</b></p> </div> <div style="width: 45%;"> <p><b>Cadent Gas Asset Record Extract</b></p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p><b>Thames Water Asset Record Extract</b></p> </div> </div>		3.2.b <b>Gas</b> <ul style="list-style-type: none"> <li>Cadent Gas are the gas network operator in the area</li> <li>16" cast iron main runs through Eldon St, Finsbury Avenue and Finsbury Avenue Square; to be relaid in PE and lowered along Eldon Street. First phase of works currently underway</li> <li>2no. smaller PE gas mains run east to west along the northern perimeter of 1BG; to be rerouted</li> <li>Gas mains require detailed monitoring throughout demolition, piling and temporary works, including site monitoring of ground vibration.</li> </ul>	<span style="background-color: green; color: white; padding: 2px;">Enabling works contractor</span>
		3.3.c	

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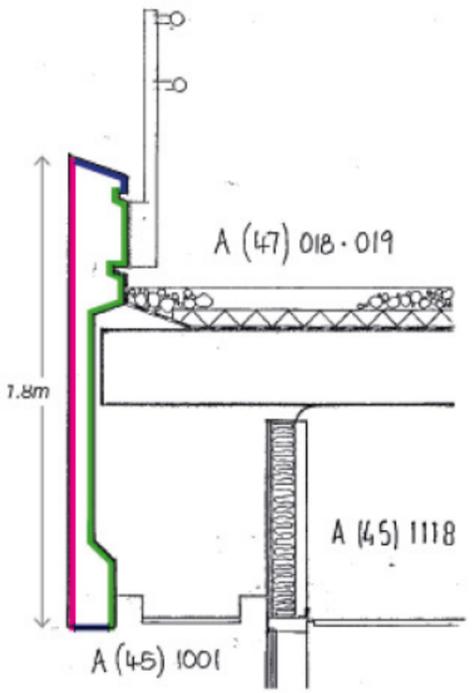
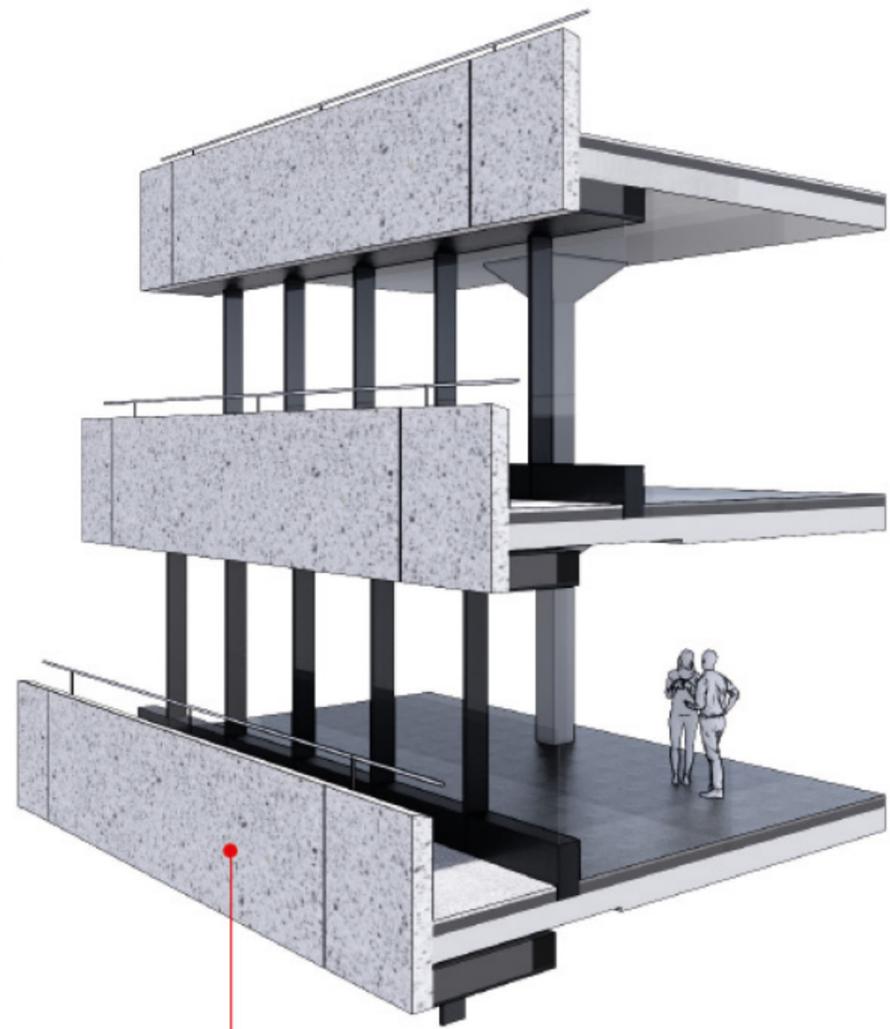
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<b>4.0</b>	<b>Structural Works Strategy</b> (incl. permanent, temporary & demolition requirements)	4.1.a Due to underground constraints piling is only possible in very few specific locations on site.	Note	
<p>The diagram shows a site plan with several 'Piling Zones' highlighted in pink. A 'SOS Strip' is shown in orange. 'LUL tunnels' are indicated by red dotted lines. Other features include 'WIT basement', 'Retail zone under station', 'Existing Basement EH', and 'Secretary of State (SofS) land ownership issues'. A legend at the bottom left identifies the pink areas as 'Piling Zones'.</p>		4.2.b Piling in a close proximity to LUL assets.		
		4.3.c North portion of the existing basement to be retained. New raft on top of existing raft. Survey of the existing basement required. Survey received.		
		4.4.d North portion of the existing basement to be retained. New raft on top of existing raft. Survey of the existing basement required. Survey received.		
		4.4.e Test pile required to prove the methodology to LUL.		

<b>Project:</b> 00000 Name of Project		<b>Date:</b> XX Month Year		<b>Design Stage:</b> Workstage (Name)		<b>Revision No:</b> 123	
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<b>Others</b>	PM	P. Designer		Facade		Cost Consultant	Facade Access
	Int. Des	Fire Eng.		Acoustic		Lighting Design	Others



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<b>5.0</b>	<b>Heavy Component Movement Strategy</b> (incl. large, heavy and awkward components, method of vertical and horizontal movement for delivery storage & placement)	5.1.a Heavy movement: The removal strategy is to be agreed. This includes heavy movement. The refurbishment and storage location is to be agreed. This may on site or off site, which will then require transport.	Client/ PC
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p>Existing Pre-cast Panels - Archive drawings</p> </div> <div style="width: 45%;"> <p>Different existing finishes:</p> <ul style="list-style-type: none"> <li><span style="color: magenta;">■</span> 40mm silver grey Cornish granite from Penryn Aggregate Ltd, seeded onto the top face of the mold, hand tamped to align the aggregate, then washed down to recess the cement, which was dyed to match the granite.</li> <li><span style="color: blue;">■</span> A retarder is used to expose the 20mm aggregates within the panel to suggest the rough 'seeded' finish wraps around the panel.</li> <li><span style="color: green;">■</span> The rear of the panel is as struck from the mold, and is profiled to reduce the panel's weight.</li> </ul> </div> </div> <div style="text-align: center; margin-top: 20px;">  <p>Pre-cast cladding</p> </div> <div style="margin-top: 20px;">  <p>Photograph showing existing panels being installed on site</p> </div>	5.2.b. The refurbishment and storage location is to be agreed. This may on site or off site, which will then require transport.	Client/ PC
		5.3.c. The replacement strategy of existing refurbished panels and new panels is to be agreed.	Client
		5.4.d	
		etc.	

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<b>Others</b>	PM	P. Designer		Facade		Cost Consultant		Facade Access	
	Int. Des	Fire Eng.		Acoustic		Lighting Design		Others	



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<b>6.0</b>	<b>Off-site &amp; On-site manufacturing and assembly strategy</b> (incl. prefabricated, modular, hand installed etc)	6.2.a Cutting of paving slabs to be minimised on site, by using units which are already factory-cut to the required sizes. Where further cutting is required. Contractor to consider whether this could take place off site, or whether there is potential to include a cutting booth with suitable ventilation to reduce the risk of dust related injuries. Contractor to produce RAMS.
		PC
		6.2.b  4.3.c  4.4.d

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<b>Others</b>	PM	P. Designer		Facade		Cost Consultant		Facade Access	
	Int. Des	Fire Eng.		Acoustic		Lighting Design		Others	



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<b>7.0</b>	<b>Safe working at height strategies</b> (e.g. significant roof access, high ceilings, etc.)	7.1.a		
<p>K: New &amp; additional WC's for flexible tenancy sub-division</p> <p>M: New glazed screen to existing atrium - levels 04-07</p> <p>L: New Cat A fit-out</p>			Action Owner	
		7.2.b		
		7.3.c		
		7.4.d		
		7.tc.		

DESIGN TEAM STATUS			
Client	British Land	Architect	AHMM
Struct, Serv & Fire Eng.	Arup	Cost Consultants	Equals Consulting
Planning Consultants	DP9	Project Manager	M3
Principal Contractor	SRM		

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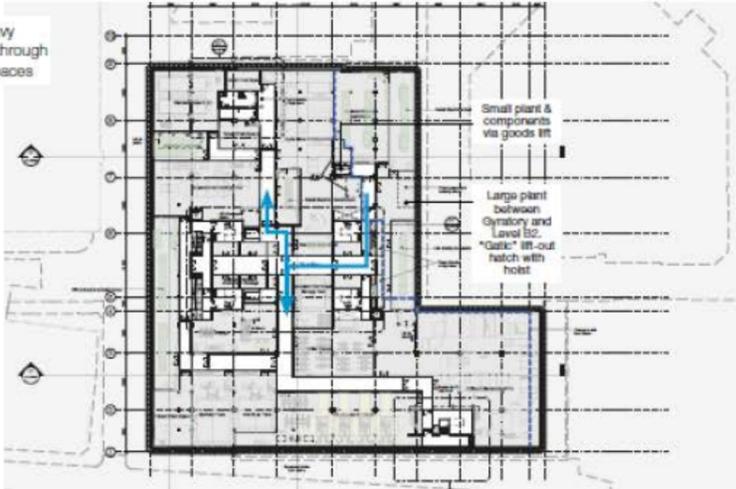
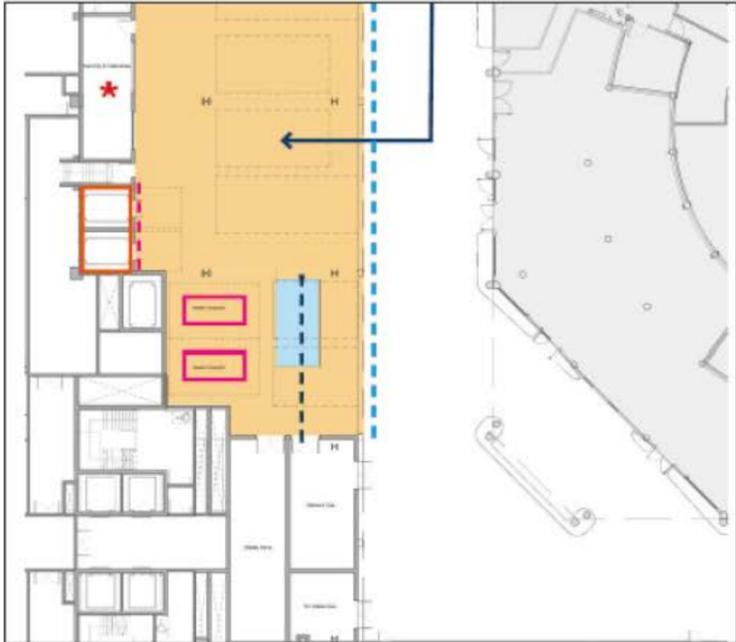
<b>8.0</b>	<b>Health Strategy</b> (eg: excessive, dust, MSD, HAV, noise minimisation etc.)  <b>2.4 DEMOLITION PLAN</b> 	8.1.a  2.4.3: Disruption and access Noise, vibration and disturbance from construction works to neighbours to be considered during construction works. Existing properties to be maintained during demolition work.	PC	
		8.2.b		
		8.3.c		
		8.4.d		

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<b>10.0</b>	<b>Plant Replacement strategy</b> (e.g. future access issues)	<b>10.1.a Basement 02 Plant</b> <ul style="list-style-type: none"> <li>Many smaller plant replacement items can be transported via the goods lifts at Gyratory level directly down to Basement 02</li> <li>Larger pieces will need to be lowered down to B2 through a hatch in the loading bay. Opening approx 3.5m x 8.6m. This opening will be secured with gatic lift out panels when not operable. Lifting beam above with 4.3m clear height</li> <li>Corridors in B2 to be appropriately sized. The plant installation / replacement strategy report will identify the key access routes for plant replacement</li> <li>HM to review that adequate space between columns and access zones to plant are provided</li> <li>Refer to Appendix 5.4 HM - Designer's Health &amp; Safety Risk Assessment Report.</li> </ul>	HM	✓
	 <p style="text-align: center;"><b>Basement 02 plant replacement strategy</b></p>  <p style="text-align: center;"><b>Basement 01 plant replacement strategy</b></p>  <p style="text-align: center;"><b>Loading Bay Plan, showing the Access Hatch</b></p> <div style="display: flex; justify-content: space-around; font-size: small;"> <div> <p>→ Service access route through gyratory</p> <p>□ Waste compactors</p> <p>□ Loading bay goods lifts</p> </div> <div> <p>--- Lifting beam</p> <p>--- Fire shutters</p> <p>--- Security shutters</p> </div> <div> <p>★ Security &amp; Deliveries Room</p> <p>□ Access hatch</p> <p>□ 5.6m clear height zone</p> </div> </div>	<b>10.2.b Basement 01 Plant</b> <ul style="list-style-type: none"> <li>Plant in Basement 01 can only be replaced through the goods lifts at Gyratory so larger plant will need to be panelised or stripped down as necessary</li> <li>The south west pump room is to be serviced through the office cycle store</li> <li>Refer to Appendix 5.4 HM - Designer's Health &amp; Safety Risk Assessment Report</li> </ul>	HM	✓

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	Int. Des	Fire Eng.		Acoustic		Lighting Design	Others



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**11.0 Plant, plantrooms services + riser access and Maintenance strategy**

11.1.a  
 Access

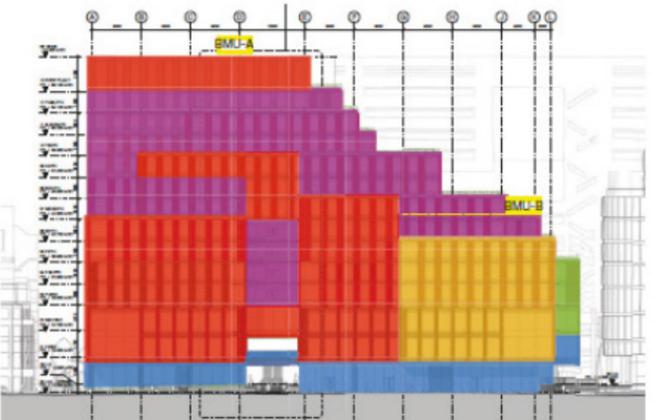
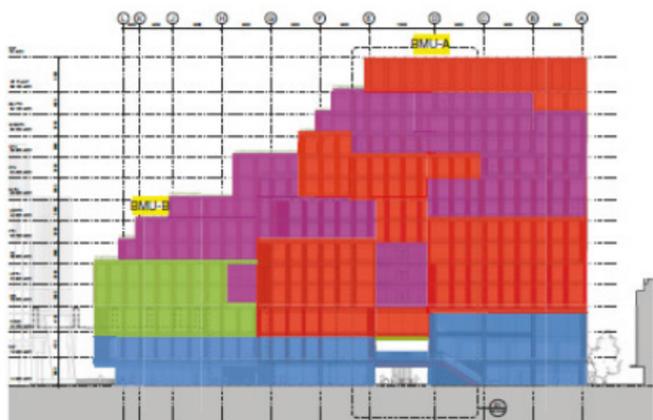
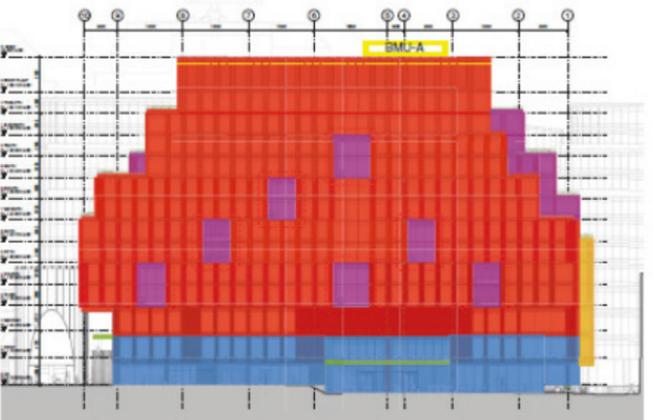
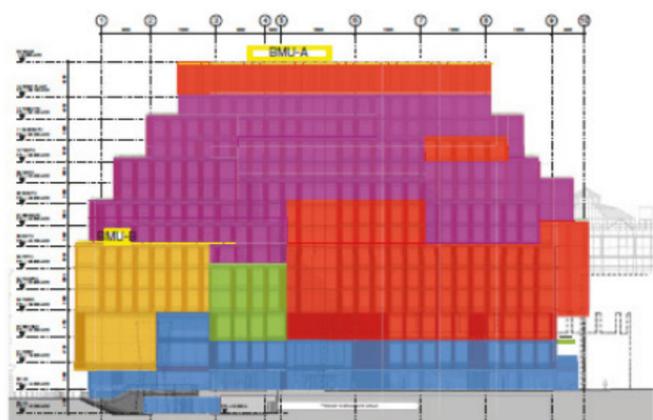
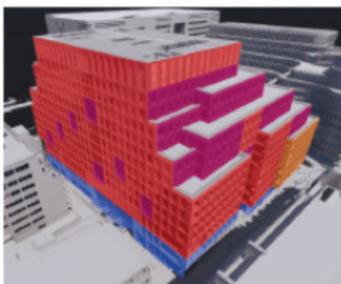
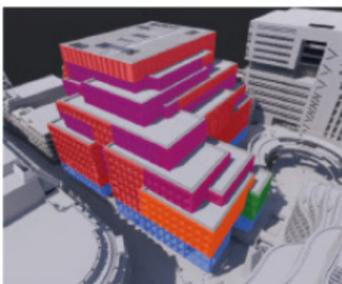
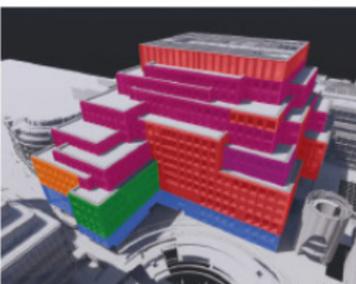
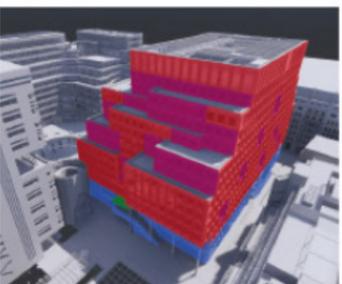
- Some risers through west and east cores will require regular access. Where facing onto the double height office reception areas a solution to access these through the cardboard tube feature lining is required
- The east reception is located above the waste store which for waterproofing reasons will not be accessible at gyratory level. This means access is currently restricted from L01-B1
- Option 1; Demountable cardboard tubes fixed to backing panel. Tubes to be robust enough to handle being demounted by operatives
- Option 2; Ladders installed within risers. Operative can access riser at level above / below and climb through. Space restrictions make this option less feasible. Mansafe required.

11.2.b

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<b>Others</b>	PM	P. Designer		Facade		Cost Consultant	Facade Access
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<b>12.0</b>	<b>Facade access, window cleaning and glass replacement strategy</b>	12.1.a <b>Maintenance - Long Pole</b> • All other areas will be accessed directly from terraces or the ground • This will require 12m long pole access for cleaning	Action Owner ✓
 <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">                   South Elevation             </div> <div style="text-align: center;">                   North Elevation             </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;">                   West Elevation             </div> <div style="text-align: center;">                   East Elevation             </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;">                   South West view             </div> <div style="text-align: center;">                   South East view             </div> <div style="text-align: center;">                   East view             </div> <div style="text-align: center;">                   North West view             </div> </div>		12.2.b <b>Operation time</b> • The surrounds will be busy with pedestrian activity; where possible access times to be considered to avoid disruption. Building Manager to arrange facade access/maintenance • Restricted zones below BMU cradle, MEWP or workers with long pole to be set up	Client/ FM ✓
		12.3.c <b>Glass replacement</b> • Various options for glass replacement currently being explored	AHMM ✓
		12.4.d	
<b>Key - Facade Access &amp; Maintenance</b> <span style="color: yellow;">■</span> BMU location <span style="color: red;">■</span> Access via BMU-A <span style="color: orange;">■</span> Access via BMU-B <span style="color: green;">■</span> Access via MEWP <span style="color: purple;">■</span> Access from terraces <span style="color: blue;">■</span> Access direct from ground			

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<b>Others</b>	PM		P. Designer		Facade		Cost Consultant		Facade Access	
	Int. Des		Fire Eng.		Acoustic		Lighting Design		Others	



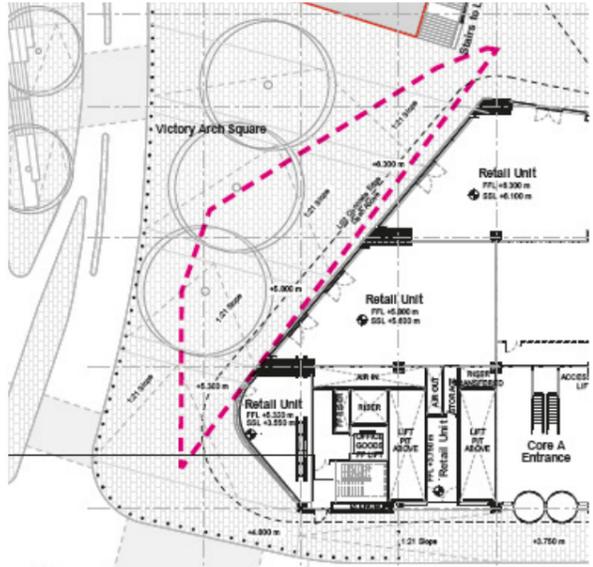
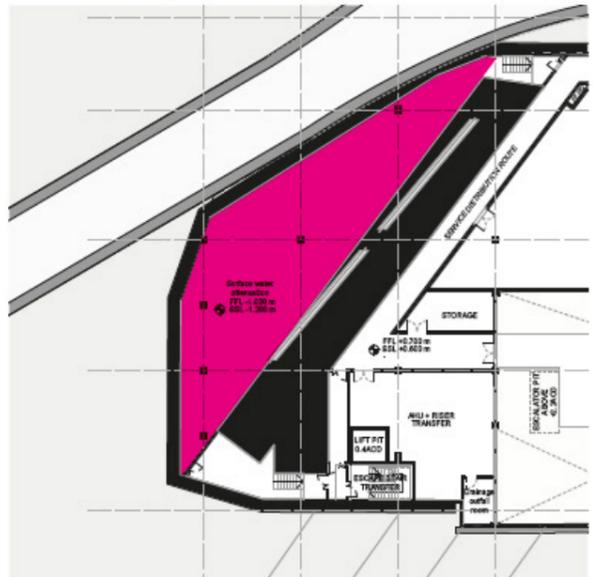
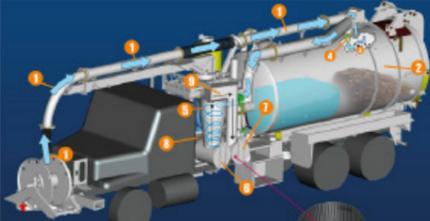
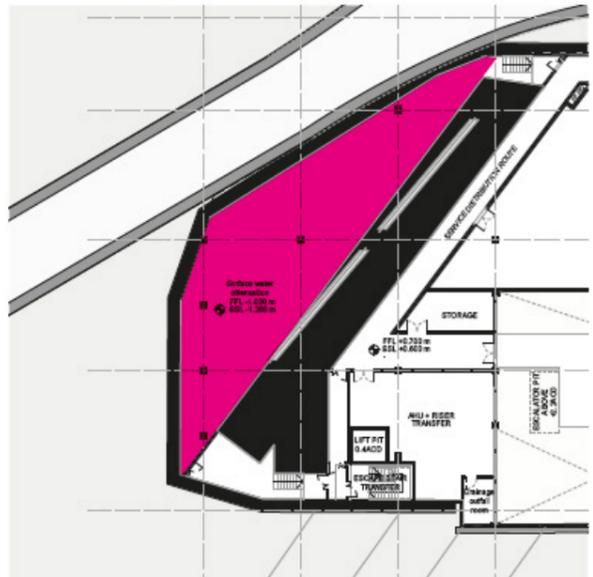
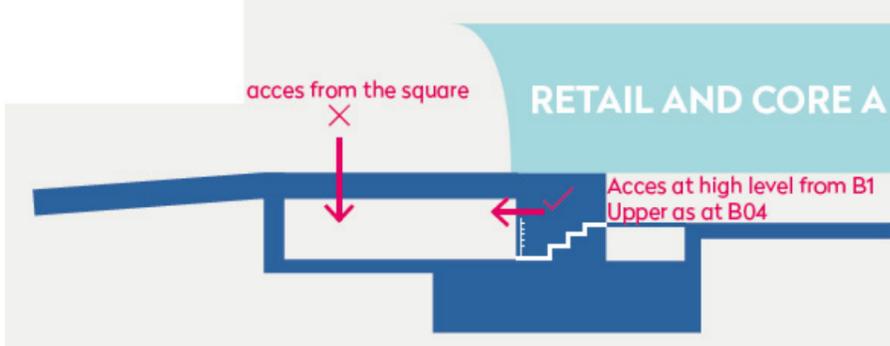
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<b>13.0</b>	<b>Phasing strategy</b> (e.g. site, construction, occupation, etc.)	13.1.a <b>Phasing of Construction</b> Plan to the left shows the proposed construction phasing diagram for the scheme.	<span style="background-color: red; width: 20px; height: 10px; display: inline-block;"></span> Client	
		13.2.b <span style="background-color: orange; width: 15px; height: 10px; display: inline-block; border: 1px solid black;"></span> <b>1) Building A</b> Building A would be first in the construction sequence in order to enable Budgens to reoccupy their space for business operation at the earliest convenience (18months after demolition works)		
		13.3.c <span style="background-color: lightblue; width: 15px; height: 10px; display: inline-block; border: 1px solid black;"></span> <b>2) Building C</b> Building C should be next, as the cinema c be built to also enable business operation commence at the earliest convenience.		
		13.4.d <span style="border: 2px dashed red; width: 15px; height: 10px; display: inline-block;"></span> <b>3) Building D substation</b> The substation to be housed by Building D would need to be installed at the earliest convenience to power aspects of the adjacent site		
		<span style="background-color: yellow; width: 15px; height: 10px; display: inline-block; border: 1px solid black;"></span> <b>4) Building B</b> <span style="background-color: red; width: 15px; height: 10px; display: inline-block; border: 1px solid black;"></span> <b>5) Building D</b>		

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<b>14.0</b>	<b>Miscellaneous issues</b> (e.g. landscaping, wellbeing, Workplace Regulations etc.)	14.1.a Number, location, size and type of access points to comply with the Confined Spaces Regulations 1997.
		 <p><b>Access from above - example</b></p>
<p><b>Tank below - ground floor plan</b></p> 		  <p><b>Vacuum truck - example</b></p>
<p><b>Tank location in the basement</b></p> 		 <p><b>Access options</b></p>
		14.2.b Prevent water ingress when people are working in the tank – Water diversion directly to the sewer? Compartmentalisation of the tank?
		14.3.c Detailed strategy for residues removal required – size and parking location for the vacuum pump unit, hose size and coverage.
		14.4.d Suitable ventilation and lighting to be provided.
		etc.

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<b>Others</b>	PM	P. Designer		Facade		Cost Consultant	Facade Access
	Int. Des	Fire Eng.		Acoustic		Lighting Design	Others



<b>Significant CDM Risk* Issues</b> <b>Ref No:</b>	<b>Significant CDM Issues identified visually</b> <b>1. Eliminate or avoid Risks</b> (during early design stages) <b>SFARP</b> (so far as reasonably practicable). <b>2. Reduce or minimise Risks</b> (during all design stages and include a safety system of work) <b>ALARP</b> (as low as reasonably practicable). <b>3. Provide further information</b> with the design e.g. Residual Risks, Specialist Design Issues, Client FM input etc. <b>4. Track action owner and status</b>	<b>Design Control Methods</b> Brief comments, Guidance for future Actions etc	<b>Design Risk Owner &amp; Status</b> Not tolerable <span style="color: red;">■</span> Ongoing <span style="color: orange;">■</span> Tolerable <span style="color: green;">■</span>	<b>H&amp;S file</b> ✓
-------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------

<b>15.0</b>		15.1.a		
	(Insert Drawings / Images / Photos / Sketches / Annotations)		Action Owner	
		15.2.b		
		15.3.c		
		15.4.d		
		etc.		

<b>Project:</b> 00000 Name of Project		<b>Date:</b> XX Month Year		<b>Design Stage:</b> Workstage (Name)		<b>Revision No:</b> 123			
<b>Team Consultees</b>	Client	Architect		Struct. Engineer		Services Eng.		P. Contractor	
<b>Others</b>	PM	P. Designer		Facade		Cost Consultant		Facade Access	
	Int. Des	Fire Eng.		Acoustic		Lighting Design		Others	

## 5.0 Health & Safety File (CDM5)

### Content Guidance

The file must contain information about the current project likely to be needed to ensure health and safety during any subsequent work, such as maintenance, cleaning, refurbishment or demolition. The file should NOT include things that will be of no help when planning future construction work such as pre-construction information, the construction phase plan, contractual documents, safety method statements etc. Information must be in a convenient form, clear, concise and easily understandable.

### If Principal Designer

The principal designer must prepare the health & safety file. But this is primarily a coordination role and the PD must expect the cooperation of the rest of the project team including the Principal Contractor and the Client team. This is to ensure that the structure and content are agreed early and who should provide the relevant information and to what programme. Progress of the file should commence from start on site and be checked regularly at Design Team and Progress meetings using this tracker or other suitable means.

### If Designer

Where it is not possible to eliminate health and safety risks when preparing or modifying designs, designers must ensure appropriate information is included in the health and safety file about the reasonably practicable steps they have taken to reduce or control those risks.

Content (Ref. CDM 2015 - L153 Appendix 4)	Notes / Comments /Action required	Completed
		Required
1. Brief description of work carried out	AHMM to provide	
2. Any hazards that have not been eliminated	All	
3. Key structural principles	Structural Engineer to provide	
4. Hazardous material used	All	
5. Information regarding the removal or dismantling of installed plant and equipment	Services Engineer to provide	
6. Information about equipment provided for cleaning or maintaining the structure	All	
7. The nature, location and markings of significant services	Services Engineer to provide	
8. Information and as-built drawings of the building, its plant and equipment	Last Contract / Construction issue	
9. Project specific additional information	e.g. Fire Strategy information	

Project: 00000 Name of Project		Date: XX Month Year		Design Stage: Workstage (Name)		Revision No: 123			
Team Consultees	Client	Architect		Struct. Engineer		Services Eng.		P. Contractor	
Others	PM	P. Designer		Facade		Cost Consultant		Facade Access	
	Int. Des	Fire Eng.		Acoustic		Lighting Design		Others	

## 6.0 Design Risk Management - CDM Procedures for Project Teams (CDM6)



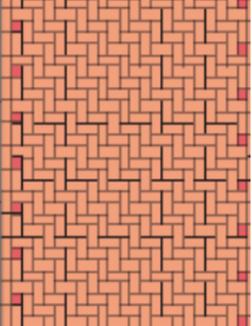
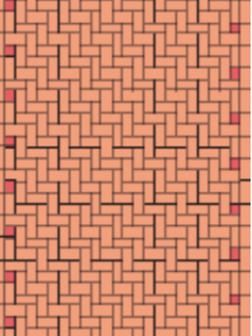
Design Phases	Pre-Construction /All Design Phases												Construction Design Phase											
	0 1 2 3				1 2 3 4				1 2 3 4				0 1 2 3 4 5 6				0 1 2 3 4 5 6				4 5 6 7			
RIBA Stages	0 1 2 3				1 2 3 4				1 2 3 4				0 1 2 3 4 5 6				0 1 2 3 4 5 6				4 5 6 7			
ACTIONS	IDENTIFY				QUANTIFY				CLARIFY				NOTIFY				MODIFY				DELIVER			
A Procedures to Action	<b>CDM Strategy Brief</b> Identify the Strategic CDM issues, scope briefing, timescales, team appointments, client H&S adviser, lead contacts, etc <b>CDM1</b>				<b>With Client initiate additional surveys</b> of site and existing buildings and surroundings. Use <b>CDM2 initially as aide-memoire</b> . Design concept being developed in drawings & stage reports				Capture all <b>foreseeable significant</b> site and design CDM strategic buildability, & maintainability issues in relation to <b>other important design risk &amp; reward/ benefit factors CDM4</b>				Keep project team informed of survey & design development information and actions required. <b>CDM2</b> Check client has issued the <b>F10</b> to HSE as early as reasonable before construction starts				Project Team to advise on changes from their discipline and discuss how this affects the whole project at <b>DTM's, CDM4 and update drawings</b>				At Tender stage Issue <b>(PCI) Full CDM Document</b> At Start on Site commence <b>H&amp;S File CDM5</b> At Completion stage Issue Full Health & Safety File <b>CDM5</b>			
B Agree Significant CDM Issues	<b>Initial Key Issues</b> Collate relevant, significant, foreseeable CDM Issues from existing H&S File, site surveys <b>CDM2</b> , early design & construction risks. <b>CDM3</b> Check Particular Risks Schedule 3 L153				<b>Selection of Key Issues</b> Add all new Relevant Survey information into Tracker template <b>CDM2</b> , and add Significant CDM design issues, (not generic normal issues) <b>CDM3</b> Multi-factorial / dimensional issues only				<b>Review &amp; Discuss</b> Review & discuss complexity of each "Significant issue" with other issues by team input and discussion at meetings. Agree Tolerability of Risks <b>CDM4</b>				<b>Regular Updates</b> Version control of changes to design information ; important to focus on key issues. Highlight changes eg. Use coloured text. <b>All CDMs</b>				<b>Change Control</b> As scheme develops it will evolve and issues change. This needs to be managed by PD. Contractor input also required. Project change notices. Update Strategy Brief <b>CDM1</b>				<b>Information Flow</b> Update <b>CDM Document</b> Produce comprehensible information at each stage, especially major workstage gateways.			
C Analysis & Communication	<b>Visually on Drawings</b> Identify "issues" by hand on GA's, sketches or capture in early BIM model. Use collaborative workshop methods with full project team				<b>Visual Highlighting</b> Show "issues" on drawings Cross relate site issues to survey tracker. <b>CDM2</b> 				<b>CDM Analysis visually</b> Inc. drawings, sketches & photos of buildability into CDM Analysis <b>CDM4</b> All multi-dimensional issues to be considered in full project context NOT just Health & Safety.				<b>Track Significant Issues</b> Use a simple risk register tracking document to form an index & summary of the Analysis documentation. Referenced to drawings/GA's with symbols. <b>CDM3 &amp; GA's</b>				<b>Visual Communication</b> All CDM document to be circulated to team and displayed on visual display screens at meetings to facilitate informed discussion on changes. <b>PCI- All CDMs</b>				<b>Visual Risk Pathways</b> Refer to CDM Analysis for design rationale before making changes especially if Value Engineering. <b>CDM3 &amp; 4 with drawings</b>			
D Recording & Templates	<b>Nº. Significant Issues</b> Number the Significant site & design issues in BIM or by hand on sketches or drawings and develop the Significant CDM Issues Schedule <b>CDM3</b>				<b>Concept Schedule</b> Capture a simple list of "issues" for team discussion, location and quantification. Eg. use <b>HARI Checklist</b> , IOSH Toolkit, or HSE RAG lists. <b>CDM3</b> Avoid normal routine construction risks.				<b>Capture Analysis</b> Use CDM Analysis and Options Matrix to capture complexity, options, proposed solutions, notes and actions. Also a future record of key decisions. <b>CDM4</b>				<b>Issue CDM Analysis</b> Full CDM document to be issued to all Design Team on a regular basis as updated from workshops or meetings. <b>All CDMs 1-6</b> All team members to respond where they are action owners. <b>All</b>				<b>CDM Analysis updates</b> Changes and design development issues to be recorded in Schedule <b>CDM3</b> and Analysis updated <b>CDM4</b> , & issued by PD. Contractor changes to also be reviewed.				<b>Annotate Drawings</b> All remaining significant issues are referenced and noted on project drawings. Develop Analysis document <b>CDM4</b> if more detailed analysis is required.			
E Agree Time, Fees & Meetings	<b>Agree resources</b> CDM Fees to be clear in the appointment, inc. reviews, Client & project meetings, Gateways, workstages. PD Fee Proposal & client awareness letter Client to appoint PD & all consultants				<b>Focus on Key issues</b> Apply Principles of Prevention as App. 1 (L153). RAG tolerability status to be attributed to each issue in CDM Risk Register. <b>CDM3</b> Consider issues proportionately as qualified by SFARP.				<b>Regular CDM reviews</b> Discuss Key issues at DTM's Hold CDM catch-ups & reviews when necessary using screens, documents & trackers. <b>All CDM's</b>				<b>CDM Meetings Output</b> CDM discussion to be captured in minutes of meetings, sketches or annotated drawings. Visual display screens to be used to display complex CDM4 Analysis.				<b>Feedback changes</b> Any changes, discovery or developments to be fed back from and to each team to modify drawings, reports and analysis. <b>All CDMs</b>				<b>H &amp; S File Tracker</b> From the Start on Site the compilation of the H & S File needs to be commenced. Use Template <b>CDM5</b> .			
F Collaborative working	<b>Design team members</b> Identify Design Team and hold initial meeting. Issue all CDM strategy information to project team. Request Consultant contributions <b>CDM1, 2, 3</b>				<b>Design Team Mtg's</b> Significant CDM issues to be discussed with normal agenda in Design team Meetings and outcomes recorded. <b>DTM notes</b>				<b>Team input</b> Buildability, maintainability & usability? Early specialist engagement is desirable e.g. Contractors & Subcontractors. <b>DTM &amp; Workshop Discussions</b>				<b>Team risk analysis</b> All design team members to contribute their significant project CDM issues to PD for inclusion into Analysis. <b>CDM3 &amp; 4</b>				<b>All Design Changes</b> All design changes to be implemented by designers & PD in updates to CDM documentation an coordinated drawings. <b>All CDMs &amp; Drgs.</b>				<b>Health &amp; Safety File</b> All team members to contribute to H&S File document during design and construction stages as Appx. 4 (L153) Pre-handover. <b>CDM5</b>			
	U				V				W				X				Y				Z			

CDM1- CDM Strategy Brief • CDM2 - Survey Tracker • CDM3 - Schedule of Significant issues • CDM4 - CDM Analysis & Options • CDM5 - H&S File Tracker & Document Format  
 Red Text - Denotes Actions PCI - Pre-Construction (Design) Information L153 - CDM 2015 Regs & Guidance \*Project Team - includes Client, PM, Consultants and Contractors

 Use these boxes on smaller or simpler projects

# 7.0 CDM Health Issues Matrix (CDM7)



Ref No:	Significant CDM Issues identified visually (BUT only Health issues that are not normal, generic, routine, or trade specialist related)							Design Risk Action & Status	
	1. Eliminate or avoid Risks (during early design stages) SFARP (so far as reasonably practicable). 2. Reduce or minimise Risks (during all design stages and include a safety system of work) ALARP (as low as reasonably practicable). 3. Provide further information with the design e.g. Residual Risks, Specialist Design Issues, Client FM input etc. 4. Track action owner and status							Not tolerable <span style="color:red">■</span> Ongoing <span style="color:orange">■</span> Tolerable <span style="color:green">■</span>	
Design Mitigation Methods									
BLOCK PAVIORS	Type of Risk	People affected	Eliminate or use	Option 1	Option 2	Option 3	Project Information	Further Information	Action Owner
7.1	 Musculo-Skeletal injuries	Operatives	Eliminate <span style="color:red">✗</span> or Use <span style="color:green">✓</span>	Reducing size of units or elements 	Use of Machines 	Smaller Machines 	Access, size of project and duration for mechanisation will dictate the methods chosen. Small refurbishments may not justify the use of large plant.	HSE Research Report (man holding back image)	Action Owner
7.2	 Respiratory Risks during cutting.	<ul style="list-style-type: none"> <li>Operatives</li> <li>Other workers</li> <li>Site staff</li> <li>Neighbours</li> <li>Public</li> </ul>	Eliminate <span style="color:red">✗</span> or Use <span style="color:green">✓</span>	Minimise cut blocks in paving pattern 	Ensure dust suppression 	Containment, suppression etc 	On site availability of suitable cutting equipment and containment to cutting areas is essential	HSE Research Report RR878 -Respiratory issue report 	Action Owner
7.3	 Hand arm vibration during cutting.	Operatives	Eliminate <span style="color:red">✗</span> or Use <span style="color:green">✓</span>	Use special blocks 	Use block splitter 	Use non-vibrating cutters 		HSE Research Report RR878 -Respiratory issue report 	Action Owner

Project: 00000 Name of Project			Date: XX Month Year		Design Stage: Workstage (Name)		Revision No: 123		
Team Consultees	Client		Architect	AHMM	Struct. Engineer		Services Eng.		P. Contractor
Others	PM		P. Designer		Facade		Cost Consultant		Facade Access
	Int. Des		Fire Eng.		Acoustic		Lighting Design		Others



Ref No:	Significant CDM Issues identified visually (BUT only Health issues that are not normal, generic, routine, or trade specialist related)								Design Risk Action & Status
	1. Eliminate or avoid Risks (during early design stages) SFARP (so far as reasonably practicable). 2. Reduce or minimise Risks (during all design stages and include a safety system of work) ALARP (as low as reasonably practicable). 3. Provide further information with the design e.g. Residual Risks, Specialist Design Issues, Client FM input etc. 4. Track action owner and status Design Mitigation Methods								
BLOCK PAVIORS	Type of Risk	People affected	Eliminate or use	Option 1	Option 2	Option 3	Project Information	Further Information	Action Owner
			Eliminate  or Use 						

Project: 00000 Name of Project			Date: XX Month Year		Design Stage: Workstage (Name)		Revision No: 123		
Team Consultees	Client		Architect		Struct. Engineer		Services Eng.		P. Contractor
Others	PM		P. Designer		Facade		Cost Consultant		Facade Access
	Int. Des		Fire Eng.		Acoustic		Lighting Design		Others

# Appendix A

## Particular Risks

The miscellaneous other 'Significant CDM issues' should consider the following extract from L153 Schedule 3 Regulation 12(2):

Particular Risks *	Notes / Comments / Action required	Included	✓
		Excluded	✗
1. Work which puts workers at risk of burial under earth falls, engulfment in swampland or falling from a height, where the risk is particularly aggravated by the nature of the work or processes used or by the environment at the place of work or site.			✓
2. Work which puts workers at risk from chemical or biological substances constituting a particular danger to the safety or health of workers or involving a legal requirement for health monitoring.		✗	
3. Work with ionizing radiation requiring the designation of controlled or supervised areas under regulation 16 of the Ionising Radiations Regulations 1999.			
4. Work near high voltage power lines.			
5. Work exposing workers to the risk of drowning.			
6. Work on wells, underground earthworks and tunnels.			
7. Work carried out by divers having a system of air supply.			
8. Work carried out by workers in caissons with a compressed air atmosphere.			
9. Work involving the use of explosives.			
10. Work involving the assembly or dismantling of heavy prefabricated components.			

\* Note - if these are present they must be reflected in the significant CDM Issues Schedule and Construction Phase Plan

# **Appendix B**

**GA Drawings with significant CDM Issues located**

# **Appendix C**

## **Other Consultants Risk Analysis Information**

# Appendix D

## Workplace health, safety and welfare

The miscellaneous other 'Significant CDM issues' should consider the following extract from Workplace health, safety and welfare:

Regulations	Particular Risks *	Notes / Comments / Action required	Included <span style="color: green;">✓</span>
			Excluded <span style="color: red;">✗</span>
3	Application of these Regulations		✓
3a	Means of transport		✗
3b	Construction sites		
3c	Temporary work sites		
4	Requirements under these Regulations		
4a	Modifications, extensions and conversions		
4b	Stability and solidity		
5	Maintenance of workplace, and of equipment, devices and systems		
6	Ventilation		
7	Temperature in indoor workplaces		
7a	Thermal insulation		
7b	Solar radiation		
7c	Harmful or offensive fumes		
8	Lighting		
9	Cleanliness and waste materials		
10	Room dimensions and space		
11	Workstations and seating		
12	Condition of floors and traffic routes		
13	Falls or falling objects		
14	Windows and transparent or translucent doors, gates and walls		
15	Windows, skylights and ventilators		
16	Ability to clean windows etc safely		
17	Organisation etc of traffic routes		
17a	General requirements for traffic routes		
17b	Separation of people and vehicles		
17c	Crossings		

Regulations	Particular Risks *	Notes / Comments / Action required	Included <span style="color: green;">✓</span>
			Excluded <span style="color: red;">✗</span>
17d	Loading bays		
17e	Signs		
18	Doors and gates		
19	Escalators and moving walkways		
20	Sanitary conveniences		
21	Washing facilities		
21a	Minimum numbers of facilities		
21b	Remote workplaces and temporary work sites		
21c	Ventilation, cleanliness and lighting		
22	Drinking water		
23	Accommodation for clothing		
24	Facilities for changing clothing		
25	Facilities for rest and to eat meals		
25a	Disabled persons		
25b	Facilities for pregnant women and nursing mothers		
25c	Preventing discomfort caused by tobacco smoke		
27d	People with disabilities		

\* Note - if these are present they must be reflected in the significant CDM Issues Schedule and Construction Phase Plan

