

DRAFT

Project Name

CDM Analysis Report, Stage X

Version No, DD Month YYYY

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Note
This document is prepared for the sole use of our client for the respective project and no liability to any other persons is accepted by

Contact details
(Project Architect name)
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Contents

Introduction	4	Appendix A	20
Guidance for working with the CDM Tool Kit	4	Particular Risks	
Understanding the ‘CDM Toolkit’	5	Appendix B	21
1.0 Project CDM Strategy Brief (CDM1)	6	GA Drawings with significant CDM Issues located	
Project CDM Strategy Brief - Project Team Timeline (CDM1a)	8	Appendix C	22
2.0 Site Investigation and Surveys Data Tracker (CDM2)	10	Other Consultants Risk Analysis Information	
3.0 Schedule of Significant CDM Issues (CDM3)	12	Appendix D	23
4.0 CDM Analysis and Option Matrix (CDM4)	14	Workplace health, safety and welfare	
5.0 Health & Safety File (CDM5)	16	Working with Tables	24
6.0 Design Risk Management - CDM Procedures for Project Teams (CDM6)	17	Indesign formatting guidance for this toolkit	
7.0 CDM Health Issues Matrix (CDM7)	18		

Introduction

Brief project description

Please overwrite or delete

Guidance for working with the CDM Tool Kit

(switch off 'Markup & Notes' layer prior to issuing)

Aim of this document

The CDM Toolkit process is aimed to ensure that all relevant CDM issues are captured within the design where we are Principal Designers and Designers. This process demonstrates commitment to good design and for compliance with CDM regulation 2015 as Principal Designers and Designers, and to achieve well designed projects.

What is the 'CDM Toolkit'

The CDM templates must be set up as early as possible when is appointed as a Designer or Principal Designer for a project. The templates should be used along side regular meetings with updates and management of the design process until the handover. This process is called the 'CDM Toolkit' consisting of the various templates used independently and collectively.

Appointing of a CDM Champion

A CDM champion must be appointed at an early stage of the project within the team. He/She will be responsible for setting-up, issuing and updating the CDM templates and attending the regular meetings (reviews/ catch-ups) with the CDM team or with the external Principal Designer (depending on the appointment). The CDM champion should arrange for regular CDM coordination meetings with the project team if is appointed as a Principal Designer.

Meetings (reviews/catchups)

Using templates it is required to have regular meetings with the in-house CDM team. Each meeting will be documented by the CDM team using the 'CDM review report'. The frequency of meetings to be agreed with the CDM team and Technical team co-ordinator at the early stages of the project.

CDM toolkit as Principal Designer

The toolkit process will reflect the CDM issues within the template and should capture issues identified during coordination with other appointed consultants on the project.

CDM toolkit as Designer

The toolkit process will reflect the CDM issues within the template relevant to our design and to be shared with the external Principal Designer.

For detailed procedures see [CDM6](#).

Understanding the 'CDM Toolkit'

Documents

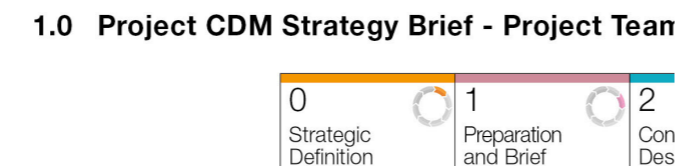
1.0 Project CDM Strategy Brief (CDM1)

The template informs project details and client management arrangements, setting a background for the CDM strategy. Should be regularly reviewed and updated by the entire team.

1.0 Project CDM Strategy Brief (CDM1)		
CDM Strategy Brief	Client Responses to Project Leader	Comments - Notes, Dates
Project Details		

1.0 Project CDM Strategy Brief - Project Team Timeline (CDM1a)

xyz.



2.0 Site Investigation and Survey Data Tracker (CDM2)

Identify the relevant surveys/data required for the project. The requested/ received information should be tracked using the template. Should be regularly reviewed and updated by the entire team.

2.0 Site Investigation and Surveys Data Tracker					
Ref	Item	Action Owner/Notes	Status	Ref	Item
1	Ordnance Survey (Accuracy ± 400mm Urban Areas)			24	Height
				25	Nation

3.0 Schedule of 'Significant CDM issues' (CDM3)

The project significant CDM issues briefly captured in an executive summary within this template with a reference number, that relates to the BIM environment or General Arrangement drawings.

3.0 Schedule of Significant CDM Issues (CDM3)	
Significant Risk/ Issue No.	*Significant CDM issues/ Description of significant risk Generic issues to be avoided

4.0 CDM Analysis and Option Matrix (CDM4)

This template will inherit the CDM issue numbering from CDM3. The CDM issues to be explained visually using sketches/drawing/pictures based on the parameters within the template. The template should also include text explaining the issue and reference to relevant documents, brief, drawings and future drawings.

4.0 CDM Analysis and Option Matrix (CDM4)	
Significant CDM Risk* Ref No:	Significant CDM Issues identified visually 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) 3. Provide further information with the design e.g. Residual Risks, Specialist Design Issues 4. Track action owner and status
1.	Construction above Underground Railway Tunnels (Example list)

5.0 Health & Safety File and Tracker (CDM5)

The template is a coverpage to the H&S file documents which informs a table of content, information status and guidance. The folder structure is saved within the project folder and should be populated throughout the design process by the entire team. The information collated along with the coverpage to be handed over to the client upon completion of our appointment, or to the contractor if not PD during construction.

5.0 Health & Safety File (CDM5)	
Content Guidance	Content
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	1. Brief description of work carried out 2. Any hazards that have not been identified 3. Key structural principles

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

Please specify

6.0 Design Risk Management - CDM Procedures

Design Phases														
RIBA Stages	0	1	2	3					1	2	3	4		
ACTIONS	IDENTIFY						QUANTIFY							

7.0 CDM Health Issues Matrix (CDM7)

Please specify

7.0 CDM Health Issues Matrix (CDM7)

Ref No:	Significant CDM Issues identified visually (BUT only Health issues that are not SFARP)
	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) 3. Provide further information with the design e.g. Residual Risks, Specialist Design Issues 4. Track action owner and status

Appendix A

Particular Risks

Appendix B

Other Relevant drawings to be marked using CDM symbols. ie: GAs, Elevations, Sections, etc.

Appendix C

Other Consultants Risk Analysis Information

Appendix D

Workplace health, safety and welfare

1.0 Project CDM Strategy Brief (CDM1)

CDM Strategy Brief	Team Responses to Project Leader	Comments - Contact details, Notes, Dates Reviews etc.	X ✓
Project Details			
Description of project / outline scope of works.			X
Address/location/environment of site.			✓
Client Brief / Outline CDM Scope			
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			
Project Timescales (what are the key stages and how long will they run for?)			
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?			
Strategic Risks (what are the significant or unusual site H&S risks or client requirements)			
Work involving Particular Risks - Refer to L153-Schedule 3 (eg: offsite manufacture, large PC panels, working over water etc). See Appendix A			

X – Information required ✓ – Information received

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

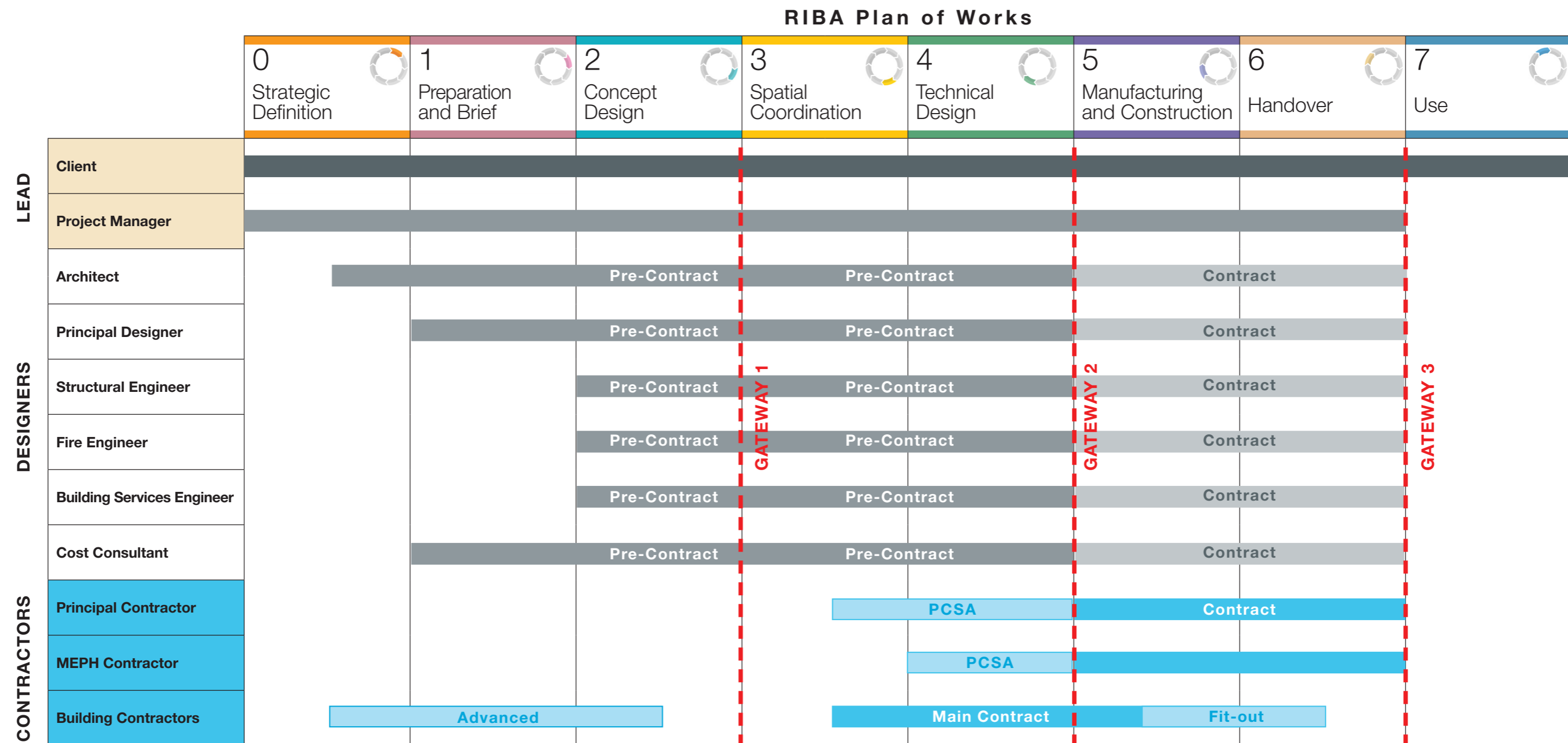
CDM Strategy Brief	Team Responses to Project Leader	Comments - Contact details, Notes, Dates Reviews etc.	X ✓
Strategic Design Intent and associated risks (e.g. Major temporary works, Stability considerations, unusual site constraints & logistics occupation on site).	(Project specific brief comments eg. Atrium essential, Public use of roof, Building over water, etc)	(Any significant suggestions, recommendations, actions.)	
Project Leadership			
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	
Procurement Strategy			
Approx. Contract Sum/Anticipated Project Cost (if known)			
Form of Contract (if agreed)			
Communication Strategy			
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)			
Client Duties			
F10 to be issued			
Provide PCI to team			

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CDM Strategy Brief	Team Responses to Project Leader	Comments - Contact details, Notes, Dates Reviews etc.	X ✓
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		
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

1.0 Project CDM Strategy Brief - Project Team Timeline (CDM1a)



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		

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

2.0 Site Investigation and Surveys Data Tracker (CDM2)

Ref	Item	Action Owner/Notes	Status
1	Ordnance Survey (Accuracy ± 400mm Urban Areas)		
2	Historical Maps		
3	Existing Record Drawings from Client		
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			
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	

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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		
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 Status Not tolerable ■ Ongoing ■ Tolerable ■
1.0	Site Environs and Site Establishment Strategy (incl. local features, transport corridors, pedestrian flow, welfare provisions, vehicular access, site storage, unloading, cramage etc)		AHMM
			ABC
2.0	Site Enabling Strategy (incl. demolitions, de-contamination, remediation, temp. works etc.)		
3.0	Existing Building and Services Strategy (incl. above and below ground features, adjoining properties, party wall issues etc)		
4.0	Structural Works Strategy (incl. permanent, temporary & demolition requirements)		
5.0	Heavy Component Movement Strategy (incl. large, heavy and awkward components, method of vertical and horizontal movement for delivery storage & placement)		
6.0	Off-site & On-site Manufacturing and Assembly Strategy (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			
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	

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 Status Not tolerable ■ Ongoing ■ Tolerable ■
7.0	Safe working at height strategies (e.g. significant roof access, high ceilings, etc.)		
8.0	Health Strategy (eg: excessive, dust, MSD, HAV, noise minimisation etc.)		
9.0	Plant & Services design and installation strategy (e.g. location and construction issues)		
10.0	Plant Replacement strategy (e.g. future access issues)		
11.0	Plant, plantrooms services + riser access and Maintenance strategy		
12.0	Facade access, window cleaning and glass replacement strategy		
13.0	Phasing strategy (e.g. site, construction, occupation, etc.)		
14.0	Fire Strategies for Construction and In-Use Stages		
15.0	Miscellaneous issues (e.g. landscaping, wellbeing, Workplace Regulations 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			
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	

4.0 CDM Analysis and Option Matrix (CDM4)

Significant CDM Risk* Ref No:	Significant CDM Issues identified visually 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 Control Methods Brief comments, Guidance for future Actions etc	Design Risk Action & Status Not tolerable ■ Ongoing ■ Tolerable ■
1.0	Site Environs and Site Establishment Strategy (Insert Drawings / Images / Photos / Sketches / Annotations)	1.1	 Action Owner
		1.2	
		1.3.	
		1.4.	
		etc.	

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	

Significant CDM Risk* Issues Ref No:	Significant CDM Issues identified visually 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 Control Methods Brief comments, Guidance for future Actions etc	Design Risk Action & Status Not tolerable ■ Ongoing ■ Tolerable ■
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2.0	Site Enabling Strategy	2.1	
	(Insert Drawings / Images / Photos / Sketches / Annotations)		Action Owner
		2.2	
		2.3	
		2.4	
		etc.	

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	

Significant CDM Risk* Issues Ref No:	Significant CDM Issues identified visually 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 Control Methods Brief comments, Guidance for future Actions etc	Design Risk Action & Status Not tolerable ■ Ongoing ■ Tolerable ■
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3.0	Existing Building and Services Strategy	3.1	
	<p>(Insert Drawings / Images / Photos / Sketches / Annotations)</p>		Action Owner
		3.2	
		3.3	
		3.4	
		etc.	

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	
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---	---	--	---

4.0	Structural Works Strategy	4.1	
<p style="color: red;">(Insert Drawings / Images / Photos / Sketches / Annotations)</p>			Action Owner
		4.2	
		4.3	
		4.4	
		etc.	

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	
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Significant CDM Risk* Issues Ref No:	Significant CDM Issues identified visually 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 Control Methods Brief comments, Guidance for future Actions etc	Design Risk Action & Status Not tolerable ■ Ongoing ■ Tolerable ■
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5.0	Heavy Component Movement Strategy	5.1	
<p style="color: red;">(Insert Drawings / Images / Photos / Sketches / Annotations)</p>			Action Owner
		5.2	
		5.3	
		5.4	
		etc.	

Project: 00000 Name of Project		Date: XX Month Year		Design Stage: Workstage (Name)		Revision No: 123			
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6.0	Off-site & On-site Manufacturing and Assembly Strategy	6.1	
<p style="color: red;">(Insert Drawings / Images / Photos / Sketches / Annotations)</p>			Action Owner
		6.2	
		6.3	
		6.4	
		etc.	

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	

Significant CDM Risk* Issues Ref No:	Significant CDM Issues identified visually 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 Control Methods Brief comments, Guidance for future Actions etc	Design Risk Action & Status Not tolerable ■ Ongoing ■ Tolerable ■
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7.0	Safe Working at Height Strategy	7.1	
<p style="color: red;">(Insert Drawings / Images / Photos / Sketches / Annotations)</p>			Action Owner
		7.2	
		7.3	
		7.4	
		etc.	

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	

Significant CDM Risk* Issues Ref No:	Significant CDM Issues identified visually 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 Control Methods Brief comments, Guidance for future Actions etc	Design Risk Action & Status Not tolerable ■ Ongoing ■ Tolerable ■
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8.0	Health Strategy	8.1	
<p style="color: red;">(Insert Drawings / Images / Photos / Sketches / Annotations)</p>			Action Owner
		8.2	
		8.3	
		8.4	
		etc.	

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	

Significant CDM Risk* Issues Ref No:	Significant CDM Issues identified visually 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 Control Methods Brief comments, Guidance for future Actions etc	Design Risk Action & Status Not tolerable ■ Ongoing ■ Tolerable ■
---	---	--	---

9.0	Plant & Services Design and Installation Strategy	9.1	
<p style="color: red;">(Insert Drawings / Images / Photos / Sketches / Annotations)</p>			Action Owner
		9.2	
		9.3	
		9.4	
		etc.	

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	

Significant CDM Risk* Issues Ref No:	Significant CDM Issues identified visually 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 Control Methods Brief comments, Guidance for future Actions etc	Design Risk Action & Status Not tolerable ■ Ongoing ■ Tolerable ■
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10.0	Plant Replacement Strategy	10.1	
<p style="color: red;">(Insert Drawings / Images / Photos / Sketches / Annotations)</p>			Action Owner
		10.2	
		10.3	
		10.4	
		etc.	

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	

Significant CDM Risk* Issues Ref No:	Significant CDM Issues identified visually 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 Control Methods Brief comments, Guidance for future Actions etc	Design Risk Action & Status Not tolerable ■ Ongoing ■ Tolerable ■
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11.0	Plant, Plantrooms Services + Riser Access and Maintenance Strategy	11.1	
<p style="color: red; font-style: italic;">(Insert Drawings / Images / Photos / Sketches / Annotations)</p>			Action Owner
		11.2	
		11.3	
		11.4	
		etc.	

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	

Significant CDM Risk* Issues Ref No:	Significant CDM Issues identified visually 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 Control Methods Brief comments, Guidance for future Actions etc	Design Risk Action & Status Not tolerable ■ Ongoing ■ Tolerable ■
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12.0	Facade Access, Window Cleaning and Glass Replacement Strategy	12.1	
	(Insert Drawings / Images / Photos / Sketches / Annotations)		Action Owner
		12.2	
		12.3	
		12.4	
		etc.	

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	

Significant CDM Risk* Issues Ref No:	Significant CDM Issues identified visually 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 Control Methods Brief comments, Guidance for future Actions etc	Design Risk Action & Status Not tolerable ■ Ongoing ■ Tolerable ■
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13.0	Phasing Strategy	13.1	
<p style="color: red; text-align: center;">(Insert Drawings / Images / Photos / Sketches / Annotations)</p>			Action Owner
		13.2	
		13.3	
		13.4	
		etc.	

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		

Significant CDM Risk* Issues Ref No:	Significant CDM Issues identified visually 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 Control Methods Brief comments, Guidance for future Actions etc	Design Risk Action & Status Not tolerable ■ Ongoing ■ Tolerable ■
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14.0	Miscellaneous Issues		
<p style="color: red; text-align: center;">(Insert Drawings / Images / Photos / Sketches / Annotations)</p>		14.1	Action Owner
		14.2	
		14.3	
		14.4	
		etc.	

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	

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	


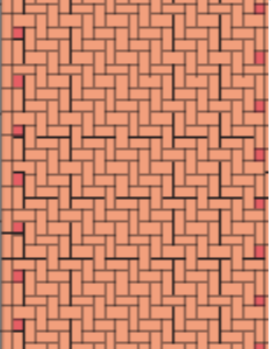

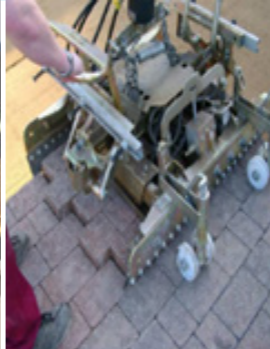






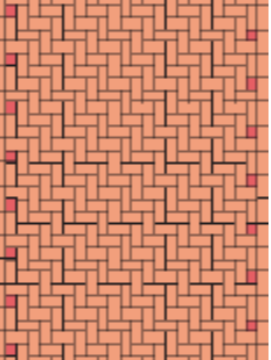



6.0 Design Risk Management - CDM Procedures for Project Teams (CDM6)

Design Phases	Pre-Construction /All Design Phases												Construction Design Phase														
	0	1	2	3				1	2	3	4				0	1	2	3	4	5	6				4	5	6
	ACTIONS												CONSTRUCTION DESIGN PHASE														
	IDENTIFY			QUANTIFY				CLARIFY				NOTIFY				MODIFY			DELIVER								
A	Procedures to Action			Initial Key Issues				Selection of Key Issues				Review & Discuss				Regular Updates				Change Control			Information Flow				
B	Agree Significant CDM Issues			Collate relevant, significant, foreseeable CDM Issues from existing H&S File, site surveys CDM2 , early design & construction risks. CDM3 Check Particular Risks Schedule 3 L153				Add all new Relevant Survey information into Tracker template CDM2 , and add Significant CDM design issues, (not generic normal issues) CDM3 Multi-factorial / dimensional issues only				Review & discuss complexity of each "Significant issue" with other issues by team input and discussion at meetings. Agree Tolerability of Risks CDM4				Version control of changes to design information ; important to focus on key issues. Highlight changes eg. Use coloured text. All CDMs				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 CDM1			Update CDM Document Produce comprehensible information at each stage, especially major workstage gateways.				
C	Analysis & Communication			Visually on Drawings Identify "issues" by hand on GA's , sketches or capture in early BIM model. Use collaborative workshop methods with full project team				Visual Highlighting Show "issues" on drawings Cross relate site issues to survey tracker. CDM2 				CDM Analysis visually Inc. drawings, sketches & photos of buildability into CDM Analysis CDM4 All multi-dimensional issues to be considered in full project context NOT just Health & Safety.				Track Significant Issues Use a simple risk register tracking document to form an index & summary of the Analysis documentation. Referenced to drawings/GA's with symbols. CDM3 & GA's				Visual Communication All CDM document to be circulated to team and displayed on visual display screens at meetings to facilitate informed discussion on changes. PCI- All CDMs			Visual Risk Pathways Refer to CDM Analysis for design rationale before making changes especially if Value Engineering. CDM3 & 4 with drawings				
D	Recording & Templates			Nº. Significant Issues Number the Significant site & design issues in BIM or by hand on sketches or drawings and develop the Significant CDM Issues Schedule CDM3				Concept Schedule Capture a simple list of "issues" for team discussion, location and quantification. Eg. use HARI Checklist , IOSH Toolkit, or HSE RAG lists. CDM3 Avoid normal routine construction risks.				Capture Analysis Use CDM Analysis and Options Matrix to capture complexity , options, proposed solutions, notes and actions. Also a future record of key decisions. CDM4				Issue CDM Analysis Full CDM document to be issued to all Design Team on a regular basis as updated from workshops or meetings. All CDMs 1-6 All team members to respond where they are action owners. All				CDM Analysis updates Changes and design development issues to be recorded in Schedule CDM3 and Analysis updated CDM4 , & issued by PD. Contractor changes to also be reviewed.			Annotate Drawings All remaining significant issues are referenced and noted on project drawings. Develop Analysis document CDM4 if more detailed analysis is required.				
E	Agree Time, Fees & Meetings			Agree resources 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				Focus on Key issues Apply Principles of Prevention as App. 1 (L153). RAG tolerability status to be attributed to each issue in CDM Risk Register. CDM3 Consider issues proportionately as qualified by SFARP .				Regular CDM reviews Discuss Key issues at DTM's Hold CDM catch-ups & reviews when necessary using screens, documents & trackers. All CDM's				CDM Meetings Output CDM discussion to be captured in minutes of meetings, sketches or annotated drawings. Visual display screens to be used to display complex CDM4 Analysis .				Feedback changes Any changes, discovery or developments to be fed back from and to each team to modify drawings, reports and analysis. All CDMs			H & S File Tracker From the Start on Site the compilation of the H & S File needs to be commenced. Use Template CDM5 .				
F	Collaborative working			Design team members Identify Design Team and hold initial meeting. Issue all CDM strategy information to project team. Request Consultant contributions CDM1, 2, 3				Design Team Mtg's Significant CDM issues to be discussed with normal agenda in Design team Meetings and outcomes recorded. DTM notes				Team input Buildability, maintainability & usability? Early specialist engagement is desirable e.g. Contractors & Subcontractors. DTM & Workshop Discussions				Team risk analysis All design team members to contribute their significant project CDM issues to PD for inclusion into Analysis. CDM3 & 4				All Design Changes All design changes to be implemented by designers & PD in updates to CDM documentation an coordinated drawings. All CDMs & Drgs.			Health & Safety File All team members to contribute to H&S File document during design and construction stages as Appx. 4 (L153) Pre-handover. CDM5				
	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 ■ Ongoing ■ Tolerable ■	
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 ✗ or Use ✓	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"> Operatives Other workers Site staff Neighbours Public 	Eliminate ✗ or Use ✓	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  Wear eye protection	Action Owner
7.3	 Hand arm vibration during cutting.	Operatives	Eliminate ✗ or Use ✓	Use special blocks 	Use block splitter 	Use non-vibrating cutters 		HSE Research Report RR878 -Respiratory issue report  Wear eye protection	Action Owner

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

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 Not tolerable ■ Ongoing ■ Tolerable ■
	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 X 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

DRAFT

Appendix C

Other Consultants Risk Analysis Information

DRAFT

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 ✓
			Excluded ✗
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 ✓
			Excluded ✗
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