Lifting small items of plant	Generators, Whacker plates	0.5t	Crawler Crane Excavator Forklift	Single leg drop chain	From storage compound and construction area	N – Common lift	BASIC
Scaffold Towers	Cuplock	1t	Crawler Crane	4 leg chains	Construction area	N – Common lift	BASIC
Pre-cast Blocks	Kentledge Edge Protection	3t	Crawler Crane Excavator Telehandler	2 leg chains 2 x web sling Screw in lifting eyes Spherical Head Lifting Accessories	Construction area	N – common lift	BASIC
Kerb Stones	Kerb Stones	500kg	Excavator	Single leg drop chain Lifting attachment	Construction area	N – common lift	BASIC
Man Hole Rings	Man Hole Rings	3t	Excavator Crawler Crane Telehandler	Man hole lifting arrangement Man hole pins 3 leg chains	Construction area	N – common lift	BASIC
Pre-Cast Stairs	Pre-Cast Stairs	6t	Crawler Cranes	3 or 4 leg chains Spherical Head or Deha lifting accessories	Construction area	Y – for initial installation	INTERMEDIATE
Pallets – various items	Various items	1t	Crawler Cranes Telehandler Excavator	2 leg chains Webbing slings Pallet Fork attachment Lifting cage	Construction area	N – common lift	BASIC
MEP Plant	Various items	TBC	Mobile Crane	4 leg chains	Construction area	Y	INTERMEDIATE
(Refer to Section 6 of the “SMS” (Safety Management System) for the Risk Assessment and Method Statement process and forms)						**Date:**	

5. SCHEDULE OF COMMON LIFTS

Refer to the Workplace specific ‘Schedule of Common Lifts’ and ‘Component Lift Schedule’.

Note: -

1. Refer also to ‘The Guide to Safe Slinging & Signalling’

2. For the above common lifts, only the stated methods are to be used unless the Appointed Person has authorised alternative methods. A common ‘basic’ lift could become complex if the project circumstances or location changes.

3. Methods for other lifts not in the Schedule of Common Lifts: -
   - Shutters and table forms - see method statement ref No.....
   - Pre-fabricated reinforcement cages - see engineers sketch No.....
   - Structural steel works assemble - as per subcontractors detailed method statement.
   - Standard Pre-cast Items – ref:....

Date:	

6. SCHEDULE / INDEX OF 'NON BASIC' LIFTS COMMON TO THE PROJECT RISK ASSESSMENTS / METHOD STATEMENTS

Complex or Intermediate Lifting Operations	**Action by**: *(add contractor or persons name)*	**Method Statement Date req'd by:**
*** Refer also to sample schedule of common lifts template which should be developed to cover common basic & intermediate lifts**		

Notes:
The table above is to list those lifting operations for which full risk assessments and method statements must be produced and allocate responsibility for production of these documents. (see sect.3 for lifts already identified as requiring method statements).

This table will include all "Complex Lifts" and some intermediate lifts where additional hazards have been identified or when designated by the Sites Appointed Person..

- **"Complex lifts"** are any lifts that requires more than one crane, involves "superlift" attachments or where there are exceptional hazards i.e. in petrochemical plant.
  For very large complex lifts the method statement could run to several volumes of very detailed planning and engineering studies.

- **"Intermediate lifts"** are those not covered in the "Guide to Slinging & Signalling" or section 4 of this Lifting Operations Plan but are defined in Group Standard: "Safe Lifting Operations".

The additional controls required for intermediate lifts may vary from use of the crane control forms only to specific task sheets or Method Statements.

7. LIFTING OPERATIONS ASSESSMENT FORM (LOAF)

The form consists of two parts. Part 1 covers the documentation and details of the crane being used, and must be completed when the crane arrives on site. Part 2 details the use of the crane. There must be a valid Part 2 form for every lift (see below).
However, a Part 2 form may cover more than one lift if all the circumstances are the same. These forms may also be useful in planning the use of plant such as concrete pumps, aerial platforms and lorry loaders. (Refer to Appendix 7 for copies of LOAF forms, parts 1 & 2)

PART 1

A person familiar with crane certification must fill in part 1. The Appointed Person will nominate this person.

The crane supplier will provide information relating to the crane, but the certification must be checked to ensure that it relates to the crane and lifting tackle, and that it is current.

The 'valid until' date will be the earliest of:

- The earliest expiry date of any of thorough examination reports/test certificates
- When any anticipated re-rigging of the crane will take place;
- When the crane will leave site.

The nominated person will then sign the form, and give a copy to the crane operator. This must remain in the crane at all times, as it will be inspected each time Part 2 is filled out. A copy must also go the Appointed Person.

Note: Part 1 forms may need to be periodically updated whilst the crane is on site, for example, after a change in rig configuration, after a re-test, after each thorough examination. A part 1 form will be completed by the Appointed person for each tower crane before use.

PART 2

Part 1 will be re-checked when Part 2 is filled in to ensure that it is valid.

Part 2 forms relate to the use of the crane and are intended to provide a convenient way of recording the planned method of lifting, i.e. the method statement. They can be completed to cover a range of lifts (provided conditions are similar) or for individually identified lifts.

The repeated use of Part 2 forms is not required for identified Basic Lifts where the method of lifting has already been specified, where the weight of the load is known to be well within the capabilities of the equipment and where there are no hazards or obstructions within the area of operation. However, at least one Part 2 form should be completed to record the above findings.

There may be occasions when the Part 2 form is not considered to provide an adequate method statement e.g. for complex or high risk intermediate lifts. In such cases, more detailed lifting studies and more comprehensive method statements will be required.

Whilst it is the responsibility of the Appointed Person to ensure that Part 2 forms are produced to a satisfactory standard, it is also the responsibility of every manager who puts a crane to work, including all crane supervisors, to ensure that lifts are not carried out unless there is a pre-determined safe method of work in place.

8. PROJECT ARRANGEMENTS FOR PROCUREMENT OF LIFTING EQUIPMENT

The purpose of this element of the Plan is to detail the arrangements made by the project for direct procurement (as opposed to subcontractor procurement) of lifting equipment
Refer to appendix 8 of Group Standard “Safe Lifting Operations” acquisition procedures

Prompt Box - Details to be added should include: -
Who is authorised to obtain them
Record all information on the form in Appendix 4 Register of on Site Lifting Equipment
Copies of relevant certification must be obtained for each item and an appropriate file maintained by the Appointed Person.

9. ARRANGEMENTS FOR COMMUNICATING INFORMATION

This section should set out project specific arrangements for both formal and informal methods of communication within the crane team itself, between the crane team and site management and between Appointed Person and Temporary Works Coordinator when considering ground capacity, outrigger loads and spreader beam requirements.

Prompt Box - Details to include:
For large contracts with numerous cranes team meetings may be necessary – if so state frequency and agenda (see appendix 1 for proposed agenda)
Briefing sessions including Tool Box Talks - who will carry them out
Types of signalling systems and radio Systems
Means of identification for Slinger Signallers – e.g. H.V orange helmet covers

CONSENTS
Contact must be made with any property holder that may be affected.
Network Rail to be contacted wherever there is risk of overturning or collapse of equipment onto their property.
BAA to be contacted re airspace and radar interference at airports

10. SPECIFIC ARRANGEMENT FOR AVOIDANCE OF LIFTING OVER PEOPLE

Prompt Box - Details to include:
Arrangements made at initial planning stage to select and locate cranage to minimise lifting over people.
Arrangements made to protect access routes.
Arrangements made to protect working areas or notify workforce lifting is taking place.
Daily briefings should include the planning of low risk aerial transit routes for loads, to minimise risks in lifting over unprotected workers.

11. PROCEDURES FOR AVOIDING CRANAGE CLASH

Prompt Box - Details to include: *Consideration given to anti collision systems integrated into cranes.* *Arrangements for managing interfaces between adjacent lifting operations or between cranes and concrete pumps, MEWPS etc.* *Communications and emergency channels*

12. REFERENCES:

- Lifting Operations and Lifting Equipment Regulations (LOLER) 1998
- Construction (Health Safety and Welfare Regulations)(CHSWR) 1996
- Provision and Use of Work Equipment Regulations (PUWER) 1998
- BS 7121 – Code of Practice for Safe use of Cranes Part 1 General 1989
- Group Standard – Safe Lifting Operations
- Guide to Safe Slinging and Signalling
- Working At Heights Regulations 2005
- The Safe Use of Hoists

APPENDIX 1

Typical Letter of Appointment for a Laing O'Rourke Appointed Person for Lifting Operations extracted from Enabling Process / Engineering (151112.docx). - ***Action by Project Leader***

Process	Document owner	Step	Gateways	Document type
Enabling Process	Engineering	Utilised throughout steps in gateways 2-9	2 - 5	Template (T)

Appointment – Appointed Person for Lifting Operations

Project Name: .....

Address: .....

Date: ...../...../..... Letter Reference: .....

Name of appointee: .....

Dear:

Re: Appointment as Appointed Person for Lifting Operations

You are hereby appointed as "Appointed Person for Lifting Operations" on the above project, as defined in the Select Plant "Safe Operation of Cranes". You will find the up to date version of this document on iGate.

Your area of responsibility is defined on the attached schedule.

This appointment is effective from ...../...../..... From this date, you will be responsible for implementing the requirements of the process, and will have overall responsibility for coordinating all the activities associated with lifting operations within your designated area. You have the authority to stop any operation proceeding if there is any doubt about the safety of the operation, or the following of correct procedures.

If you consider, at any time, that insufficient resources are available to allow you to carry out your role effectively, please ensure that you inform me of this as a matter of urgency.

Please also discuss with me the arrangements for cover of your duties during any absences from site.

....

Signed by Project Manager Name of Project Manager

....

Signature of acceptance by AP Name on Date

CC: Business Unit Engineering Leader

Evidence of AP Competency

CPCS card details/ reference number:

Expiry date:

Previous Experience (e.g. has AP role been carried out before, type of lifting experience, etc):

Process	Document owner	Step	Gateways	Document type
Enabling Process	Engineering	Utilised throughout steps in gateways 2-6	2 - 6	Template (T)

Appointment – Appointed Person for Lifting Operations

Schedule of Responsibilities

Attachment to Appointed Person appointment letter reference: .....

Name of AP: .....

Project name: ..... Date of appointment: .....

(The scope of responsibility must be clearly defined, particularly where there is more than one AP whether LO'R or Expanded, or where LO'R/ Expanded are working as a subcontractor to a third party. The scope may be defined as all lifting operations for a particular project or element with or without exceptions. Exceptions must be listed accordingly.)

Responsibilities:
(e.g. Whole site, Block A, etc.)

.....

.....

.....

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Exceptions:
(e.g. Tower cranes to zone B etc.)

.....

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APPENDIX 2

Typical Letter of Appointment for a Laing O'Rourke Crane Supervisor
- Action by the Project Leader / Project Manager

Project name: Address:

Date:

Dear.....

Re: *(Project Name)* - ***Appointment***

You are hereby appointed as a 'Crane Supervisor' for lifting operations on the above project, as defined in the Group Standard " Safe Lifting Operations" a copy of which is attached.

This appointment is effective from ...../...../..... *(insert date)*

You are responsible for supervising all lifting operations associated with the general work which you supervise and for which you will be briefed by .....*(insert name),* the Appointed Person for the project.

Your over-riding duty is to ensure that those lifting operations for which you are responsible are carried out in accordance with an agreed safe system of work. This may include reference to:-

- The Group Standard " Safe Lifting Operations"
- The Guide to Safe Slinging and Signalling (copy attached)
- Any Schedule of Common Lifts, Lifting Operations Assessment Forms and method statements with which the Appointed Person may provide you.

You are hereby given authority to stop any lifting operations if: -

- There is any doubt or concern over the safety of such operations, or
- The behaviour of persons involved is not in accordance with the safe systems of work, *or*
- Circumstances change from those anticipated when the lift was planned.

Before accepting this appointment you must have attended the approved "Crane Supervisor" course and hold current CPCS Crane Supervisor and Slinger Signaller cards.

The Project Leader will formally review your appointment at suitable intervals.

.....
(Signed Project Leader)

APPENDIX 3

SITE LAYOUT & CRANE LOCATION DRAWINGS

APPENDIX 4

CRANE TEAM MEETING (Agenda)

Project: **Date:**

Crane Team Meeting

Proposed agenda for meeting:

Attendees:

Name:	*Company*	*Position in Team*

1. *Review of yesterday's / last week's lifting operations*
2. *Incidents / Problems*
3. *Revised Methods*
4. *Future Lifts*
5. *Future Cranes on Site*
6. *New Methods*
7. *Lifting Equipment Issues:-*

   Results of routine inspections, any defects noted?
   New / replacement equipment needed?
   Thorough examination / testing requirements

8. *Any Other Business*
9. *Date of Next Meeting*
10. *Distribution:*

APPENDIX 5 - Register of on Site Lifting Equipment

This form is to record all items of "Lifting Equipment" held on site used for lifting and lowering loads (i.e. all crawler, tower and mobile cranes, excavators, telehandlers, forklifts all lifting accessories chains, slings, shackles, eyebolts, clamps, lifting beams etc)

Item Description	SWL	ID No or Plant No	Supplier/Owner	Examination Scheme Expiry Date	12 Monthly Thorough Examination Expiry Date	6 Monthly Thorough Examination Expiry Date (All Cranes, FLT / Telehandler & Trestle & Beam Hoists)

Signed Appointed Person:	Date:

APPENDIX 6 **SCHEDULE OF COMMON LIFTS (Example)**

Project name:

A “Schedule of Common Lifts” identifies those items that are regularly lifted on construction sites and the standard method by which they are to be attached to the crane.

Refer to the PowerPoint file Schedule Common Lifts Template which should be adapted by site to cover all lifts common to the project or establishment.

This document can be used as the basis of toolbox talks and briefings to the crane team.

Refer to the ‘Guide to Slinging and Signalling’ for other very basic lifts

Date: .....

Lifting Operations Assessment Form - Part 1 - Documentation

Project: **Date:**

THE CRANE/ LIFTING DEVICE

Owners Name, Address, Phone No.			
Technical Representative:			
Crane / Equipment Make & Model:			
Registration and/or Plant No.:			
Rig Configuration(s):			
Special Ballast Required?	***YES / NO - Details:**		
Site Testing Required:	***YES / NO - Details:**		
Crane Driver Name (1):			
CITB CPCS card details:	**Reg. No:**	**Expiry date:**	
Crane Drivers Name (1):			
CITB CPCS card details:	**Reg. No:**	**Expiry date:**	
Examination Scheme Expiry Date	**Reg. No:**	**Certificate expiry date:**	
6 monthly Thorough Examination	**Reg. No:**	**Examination report expiry date:**	
Weekly crane inspection	**YES/NO***	***Details**	

LIFTING ACCESSORIES CARRIED

Item	Identification No	S.W.L.	6 monthly thorough examination - Expiry date

ACCEPTANCE SIGNATURE

I have checked the above items as indicated and confirm that to the best of my knowledge, they are in good order and that this form is therefore valid until the prescribed date.

Sign:	**Date:**	**Form valid until:**
Print Name:		

☐ *Copy to Appointed Person* ☐ *Copy to Crane Operator (to be kept in crane cab at all times)*

Lifting Operations Assessment Form - Part 2 – Use

Project: **Date:**

THE JOB

Brief Description of Work:		**Crane Location:**
Load Wt.:	**Max. Height of Lift:**	**Max. Radius Lift:**
Lifting Accessories:		
Obstructions (O/Head Cables, Existing Buildings, etc.):		
Ground Conditions:	**Voids & Traps:**	**Underground Services:**
Road Closure: Y / N *	**Access:**	**Public Interface:**

THE SPECIFYING TEAM (Named Individuals)

Appointed Person:	**Crane Specifier**:
Foundation Specifier:	**Lifting Accessory Specifier**:
Will Crane be HIRED AND MANAGED on site YES / NO*	**or FULLY SUBCONTRACTED? YES / NO***

THE CRANE

Make & Model:	**Registration/Plant No.**:
Part 1 Form checked YES/NO* and valid until:	
Weekly crane inspection - rechecked and up to date YES/NO*	

RADIO COMMUNICATIONS

Crane to Crane Radios Required? YES / NO	**Crane to S/S Radios? YES / NO**

THE TEMPORARY WORKS (Crane Base & Outrigger Supports)

Standard Solution (TIN42) i.e. Outrigger Pad Size?	
Special Design? By Whom?	**Checked to Comply? By Whom?**

THE LIFTING ACCESSORIES (If not as per Part 1 form)

Item	Identification No	S.W.L.	6 monthly thorough exam'n - Expiry date

THE CRANE TEAM

Appointed Person:	**Crane Supervisor**:
Crane Driver:	**Slinger/Signaller(s)**:

ACCEPTANCE SIGNATURES (Distribution of copies to these persons, plus Slinger/Signallers)

Appointed Person	I have checked all the above items, and confirm that to the best of my knowledge the crane is capable of carrying out the lifts described within the limits specified.	**Sign**	**Date**
Crane Supervisor	I am aware of the lifts for which the use of this crane is authorised & any limitations imposed & will ensure to the best of my ability the crane is not used outside these limits. I have informed crane operator & slinger/signaller(s) accordingly.	**Sign**	**Date**
Crane Driver(s)	I am aware of the lifts for which the use of this crane is authorised and any limitations imposed & will ensure that to the best of my ability the crane is not used outside these limits.	**Sign** **1.** **2.**	**Date**

Appendix 10
Construction Methodology

Abraham Moss Library and Leisure Centre

LOGISTICS AND METHODOLOGY

10/03/2020

Abraham Moss

Project Overview

Abraham Moss

Project Overview

Contents

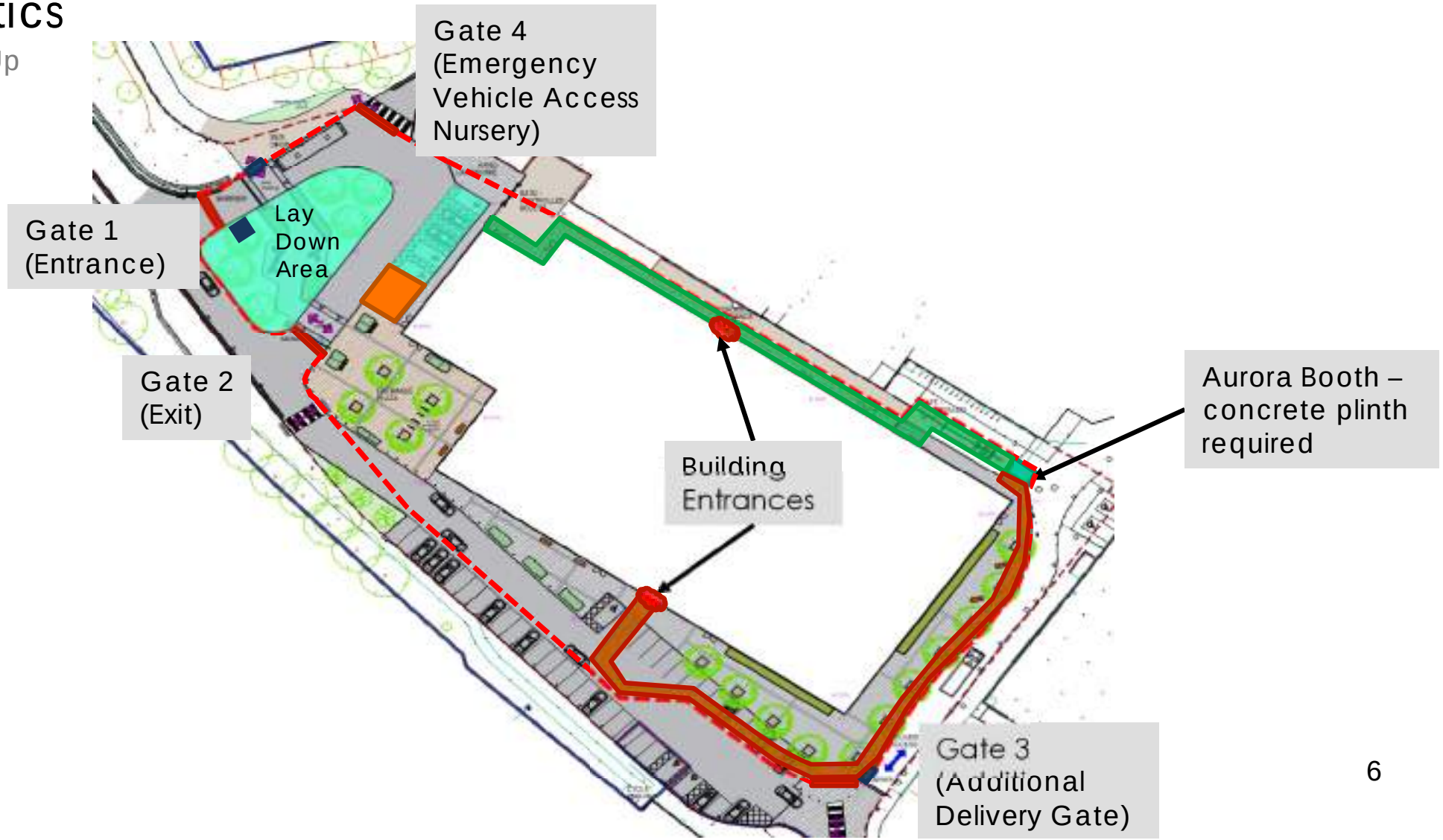
Logistics

Loss of Parking

Loss of parking from 27th May 2020

Logistics

Site Set Up



Logistics

Site Access

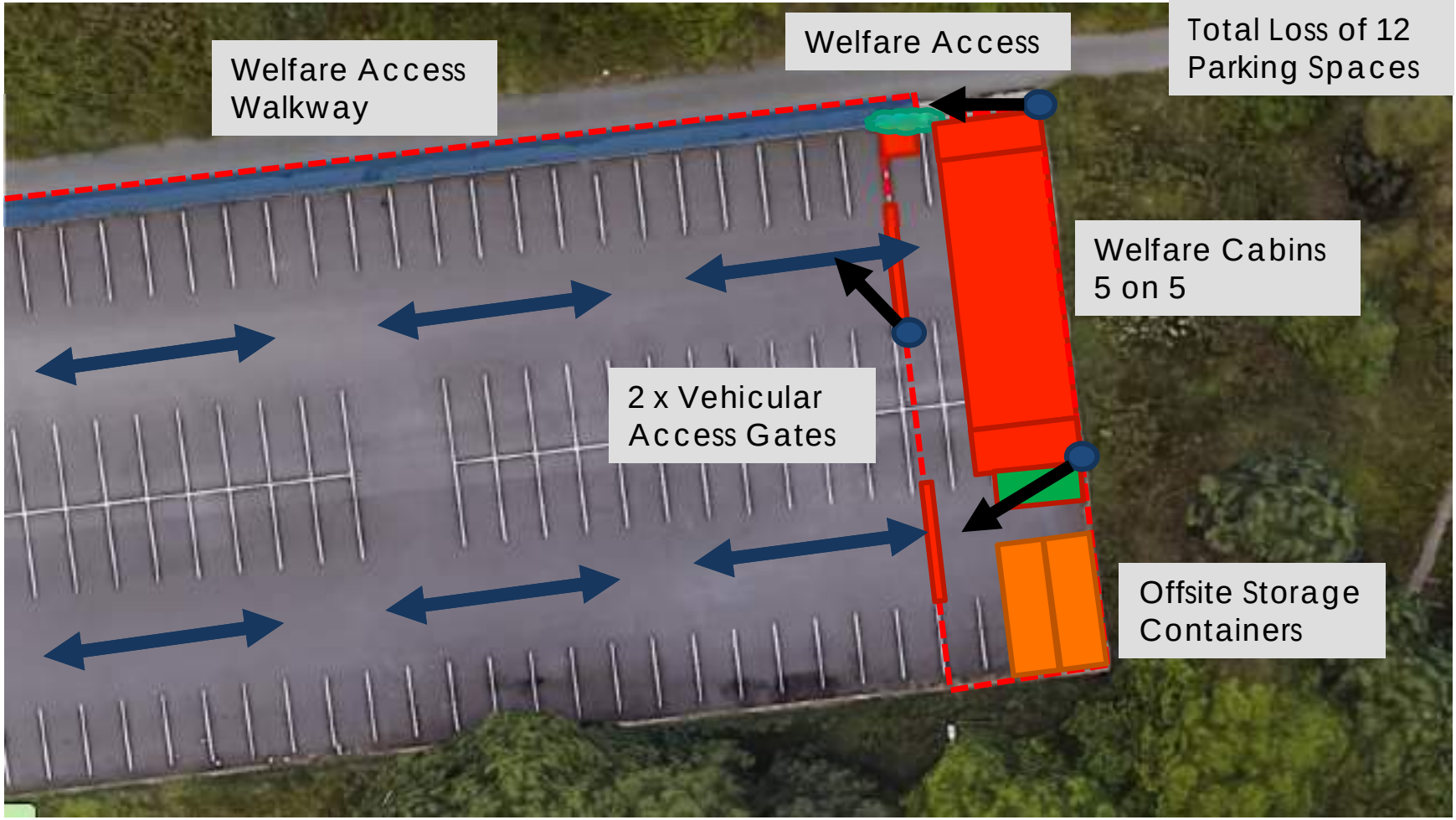
Logistics

Welfare Set Up

Welfare Location

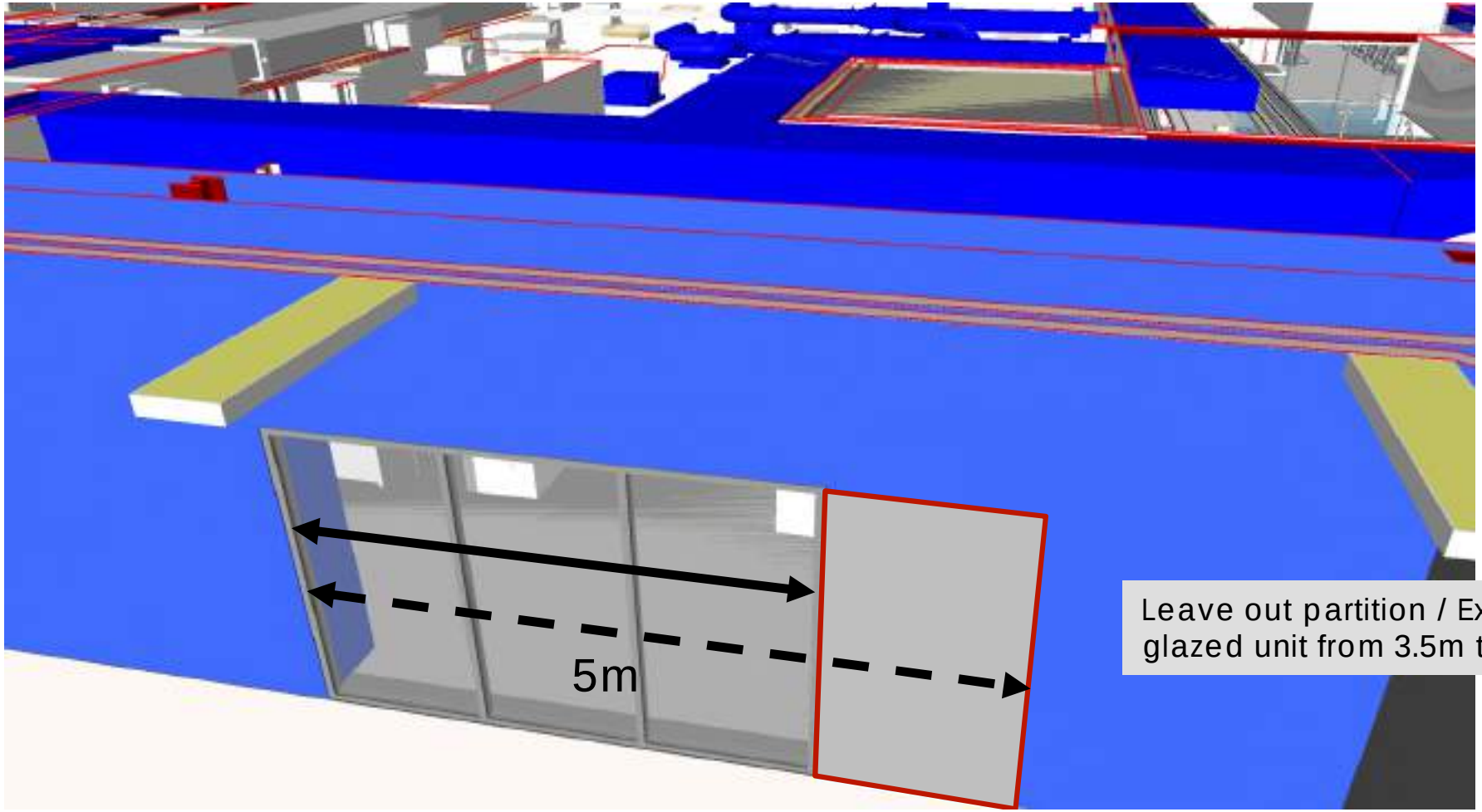
Logistics

Welfare Set Up



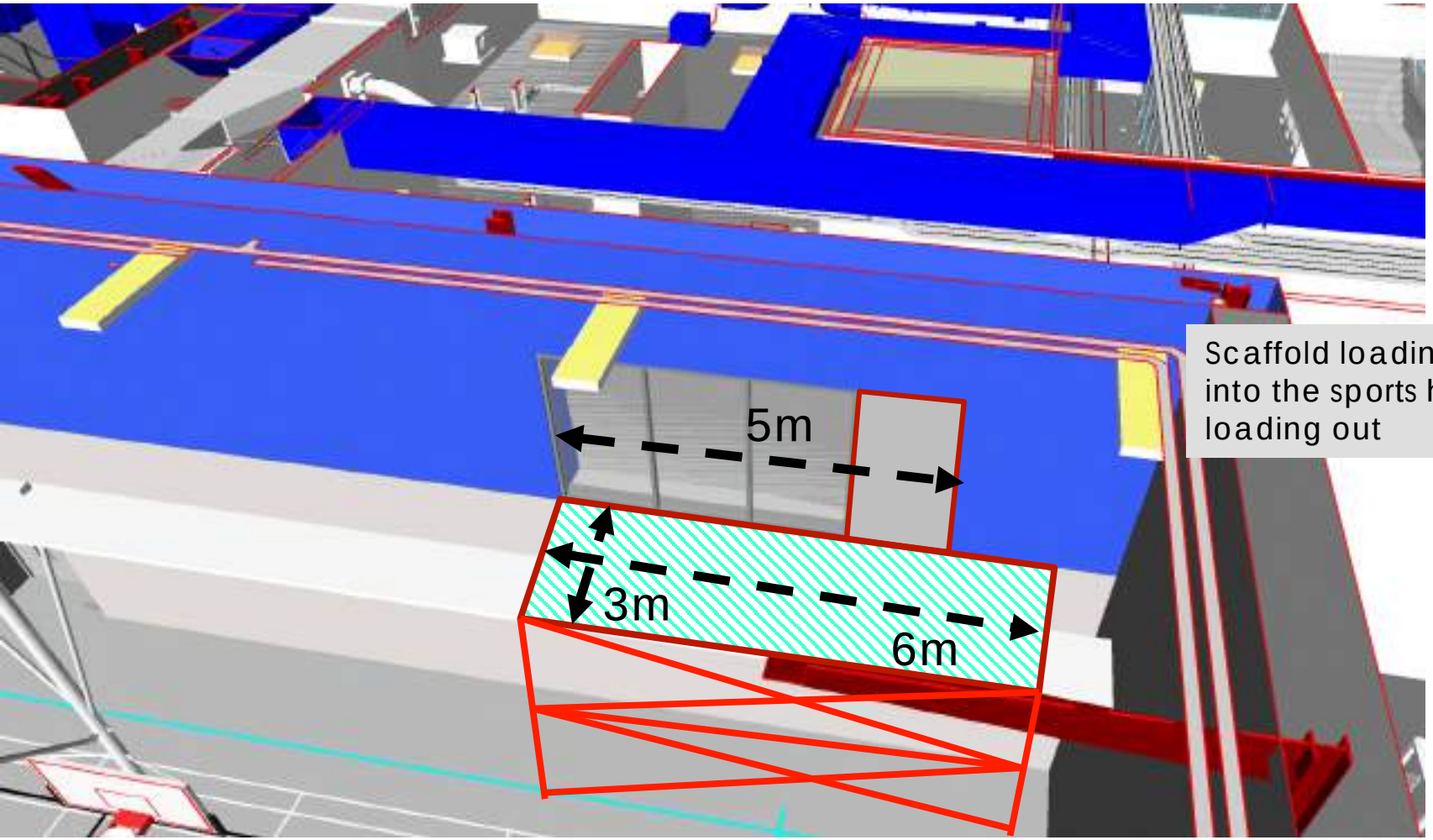
Logistics

Loading Bay – Sports Hall



Logistics

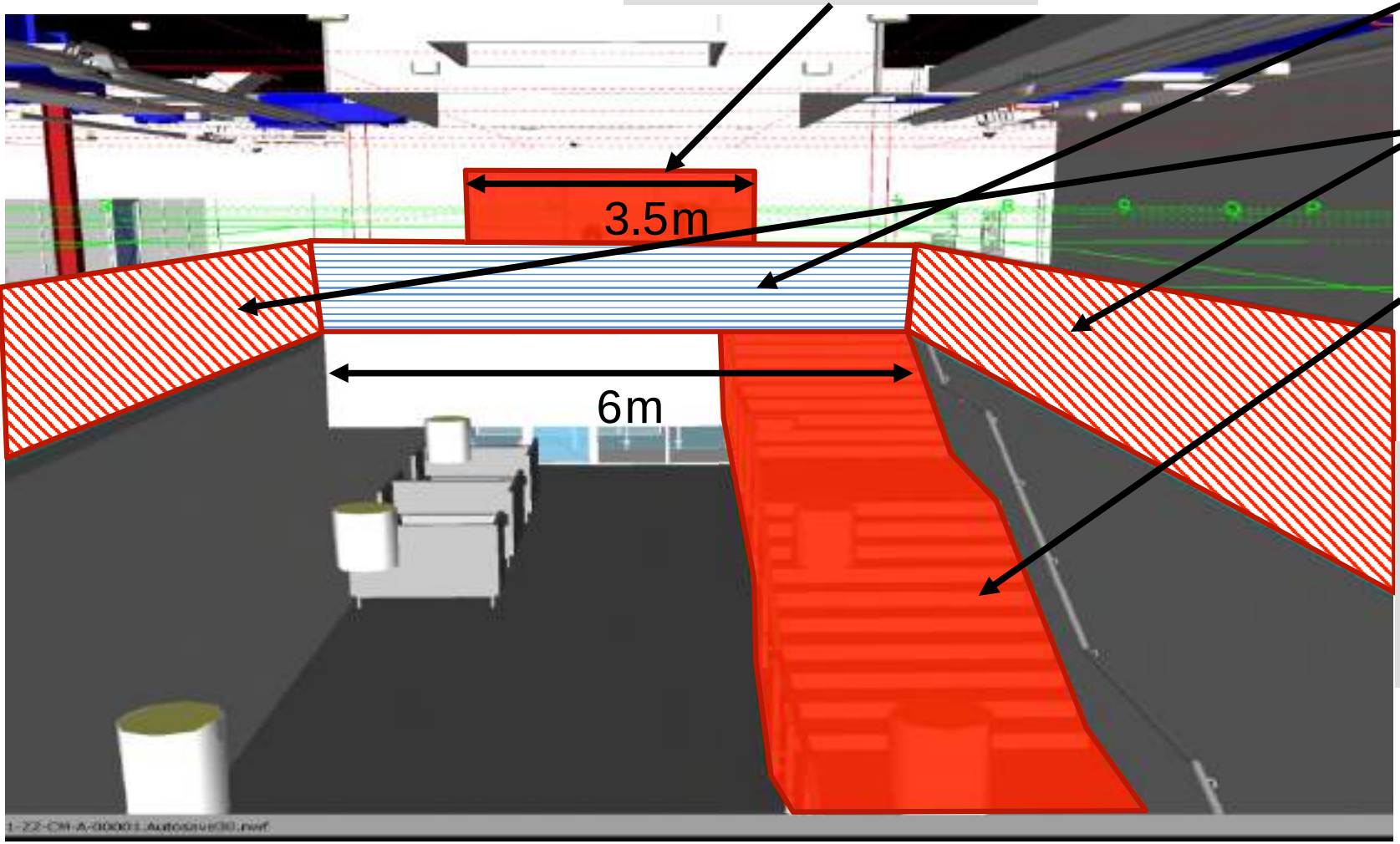
Loading Bay – Sports Hall



Scaffold loading platform to be built into the sports hall for MEP modules loading out

Logistics

Loading Bay – Atrium



Glazed unit to be left out

Scaffold loading bay

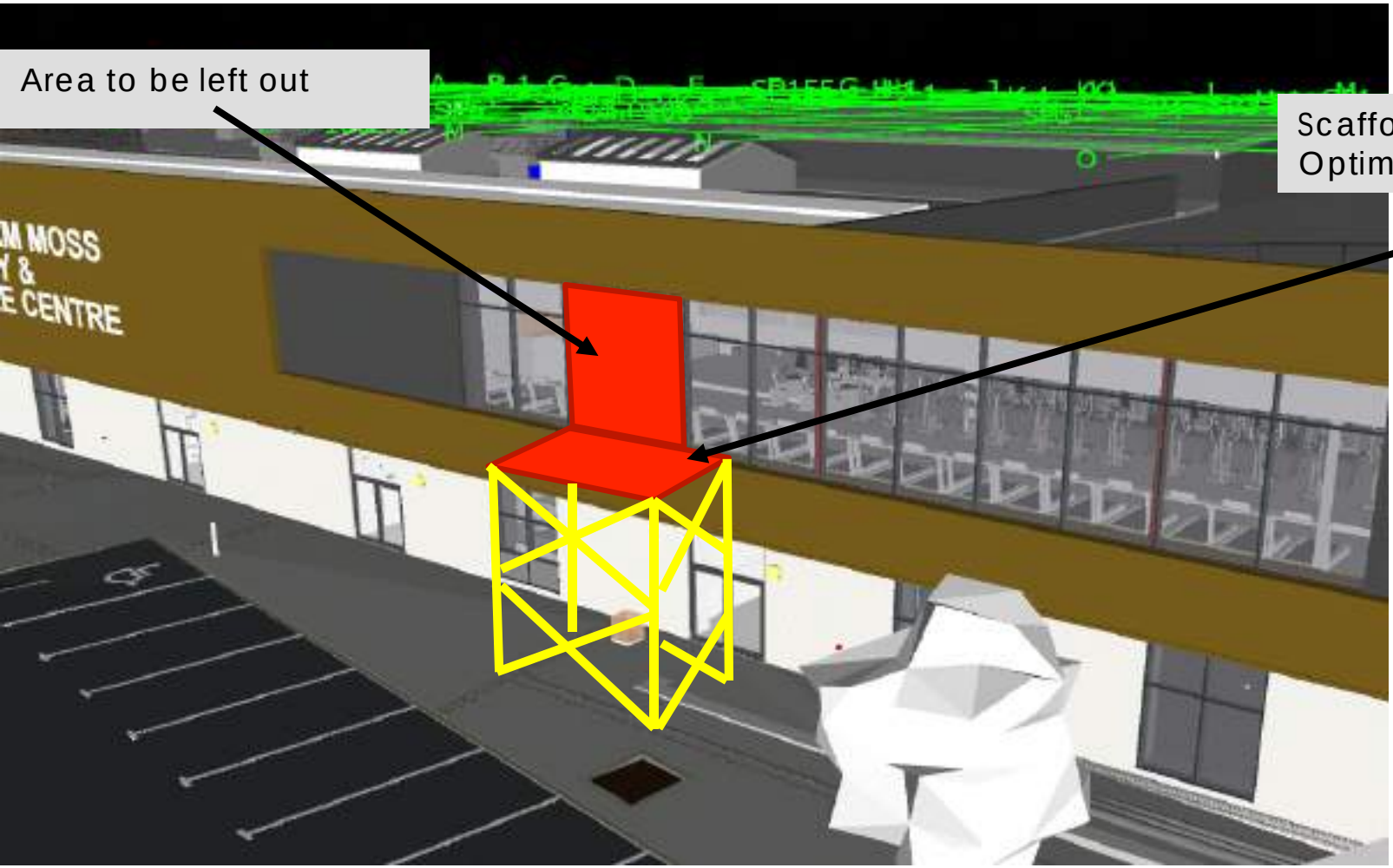
Scaffold safety system

Steel Stair to be left out

Scaffold loading platform to be built into the Atrium for modules and plasterboard loading out – needs to be minimum time, load out areas the remove platform.

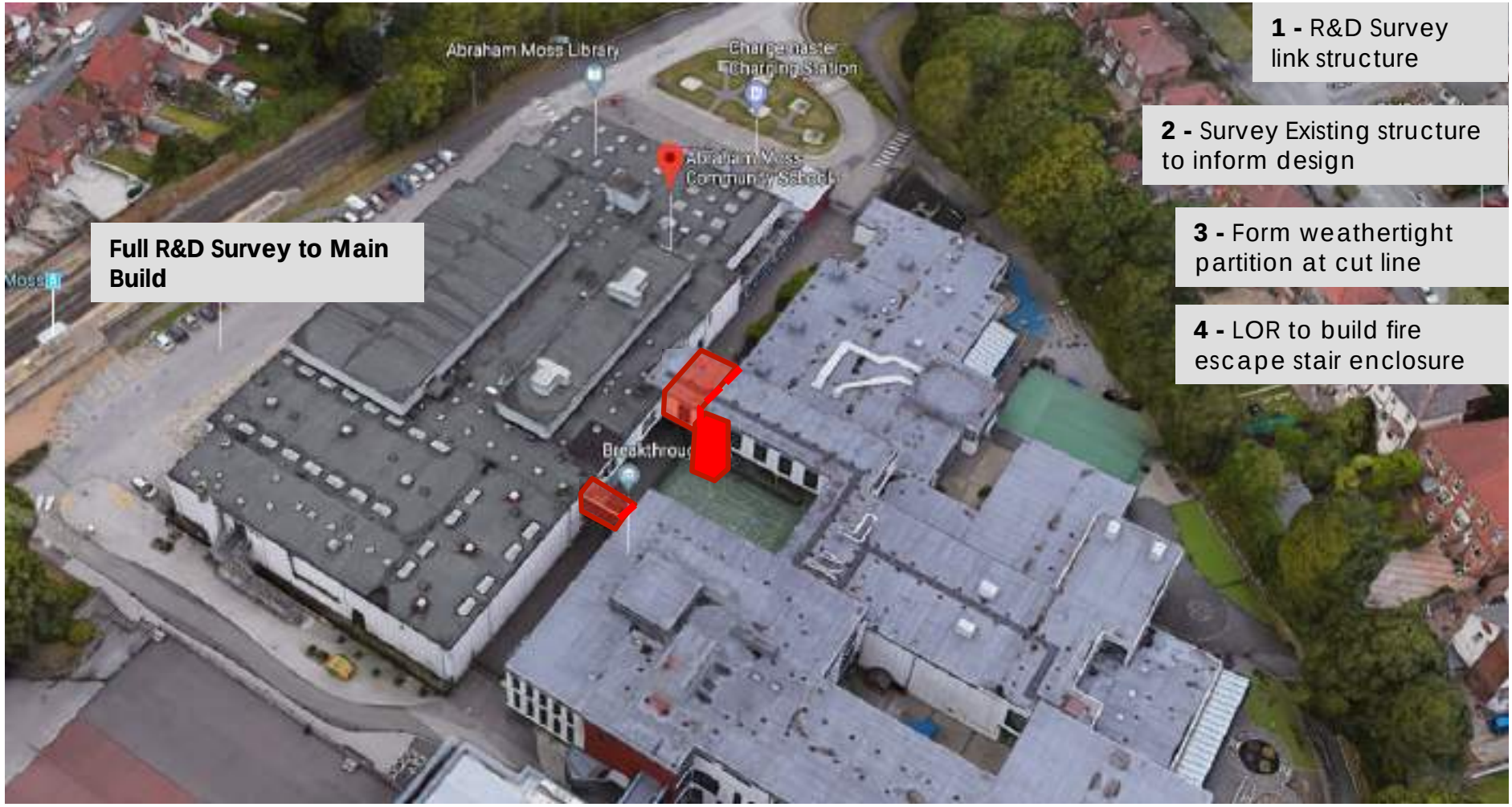
Logistics

Loading Bay – External Plant Deck



Demolition

Link Bridges

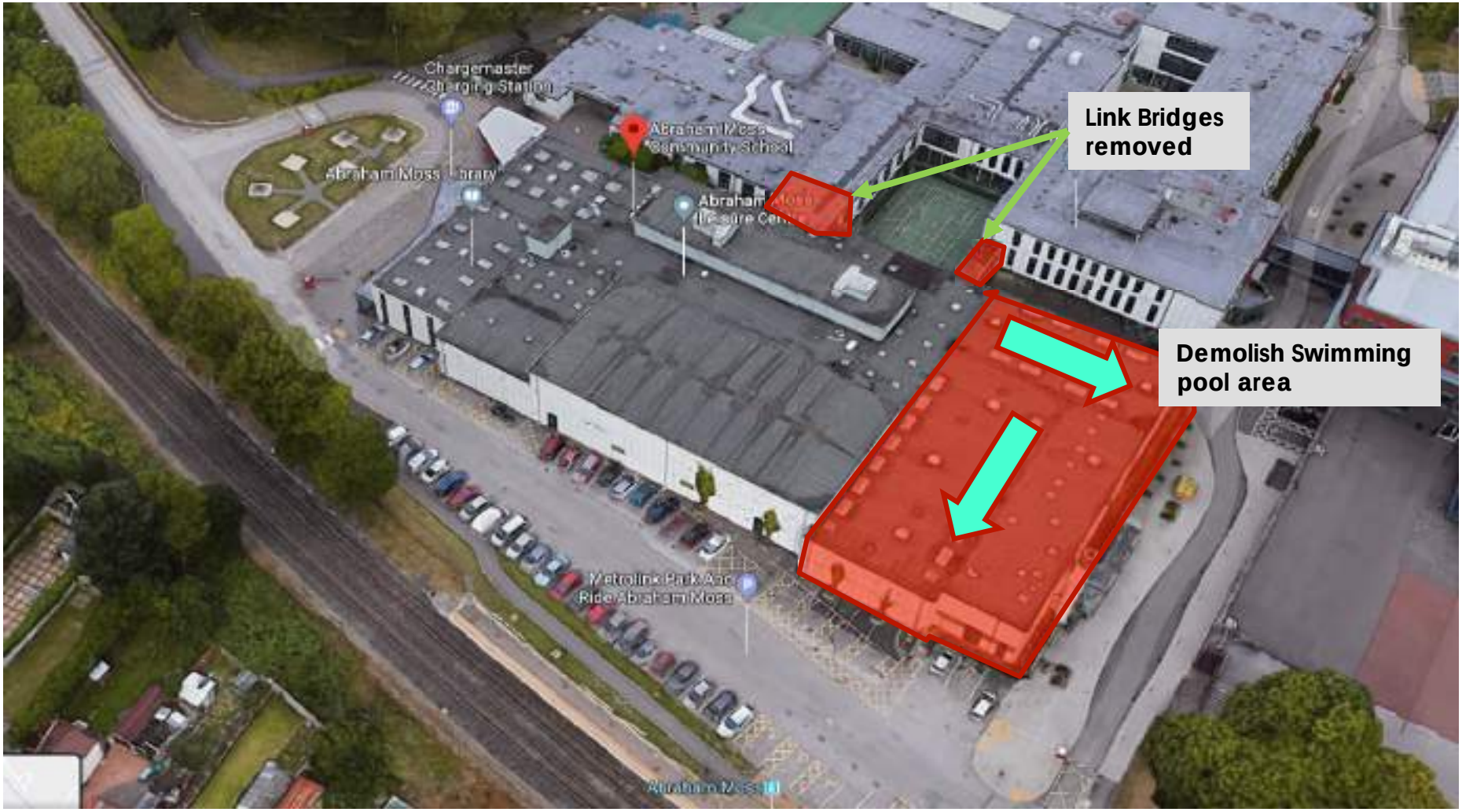


Demolition

Main Build

Demolition

Main Build



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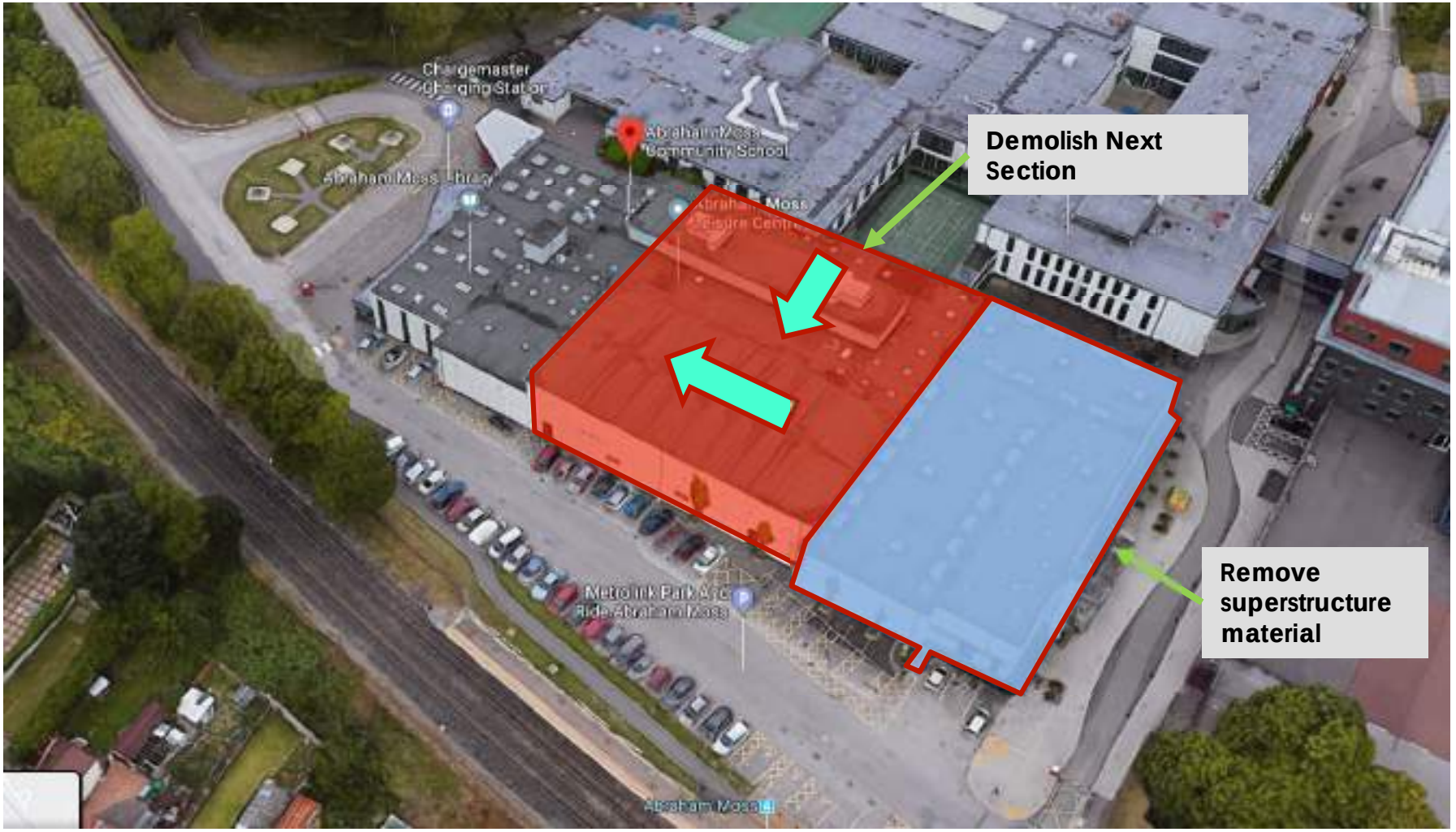
Main Build



Demolition

Main Build

Demolition

Main Build

Demolition

Main Build

Demolition

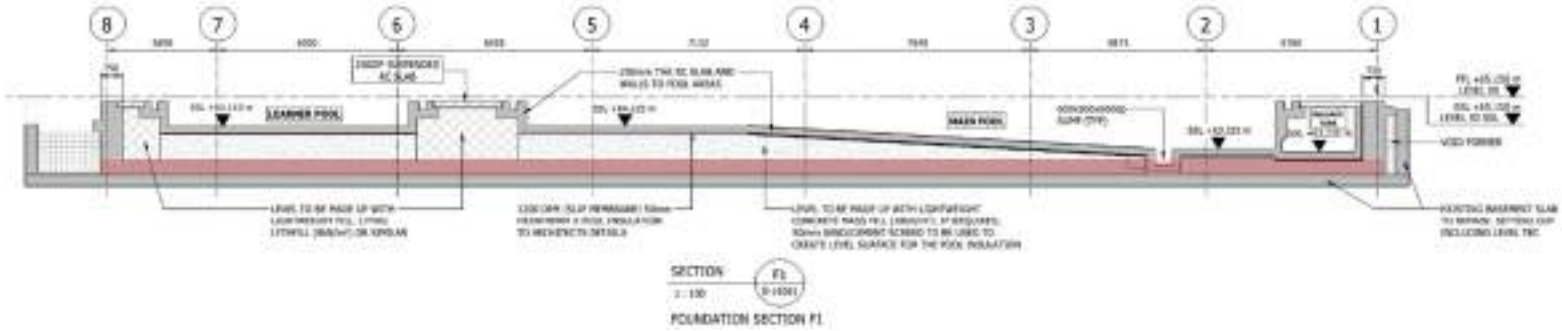
Main Build

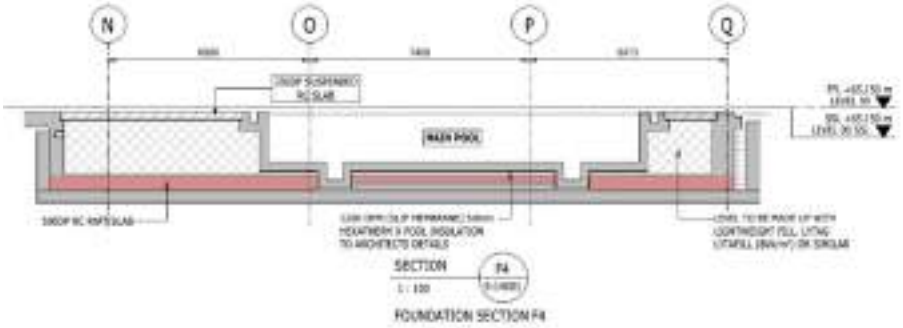
Demolition

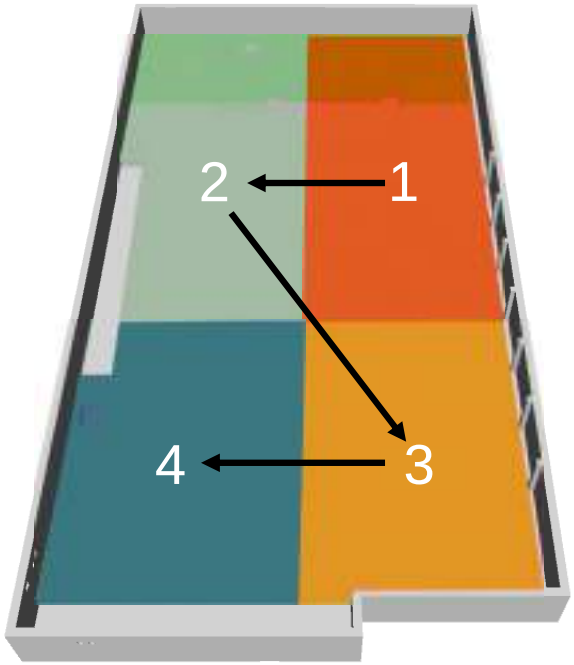
Main Build

Substructure

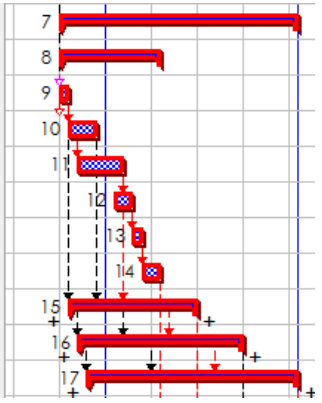
Lower Raft Slab







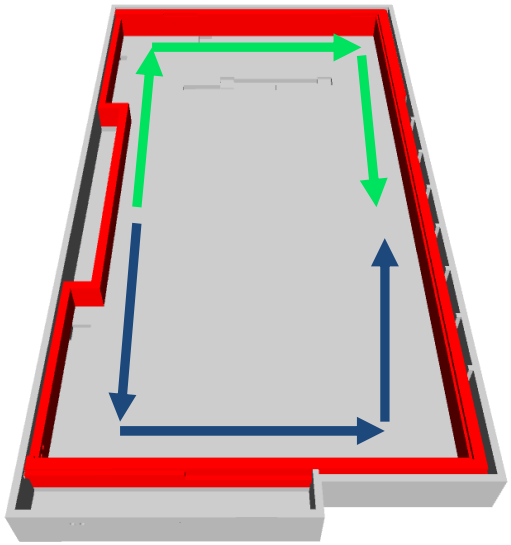
⊟	Raft Slab	5w 1d
⊟	**Pour 1**	**2w 1d**
	Blinding	1d
	Membrane	3d
	Reinforcement	1w
	Formwork	2d
	Concrete	1d
	Strike Formwork	2d
⊞	**Pour 2**	**2w 4d**
⊞	**Pour 3**	**3w 3d**
⊞	**Pour 4**	**4w 3d**

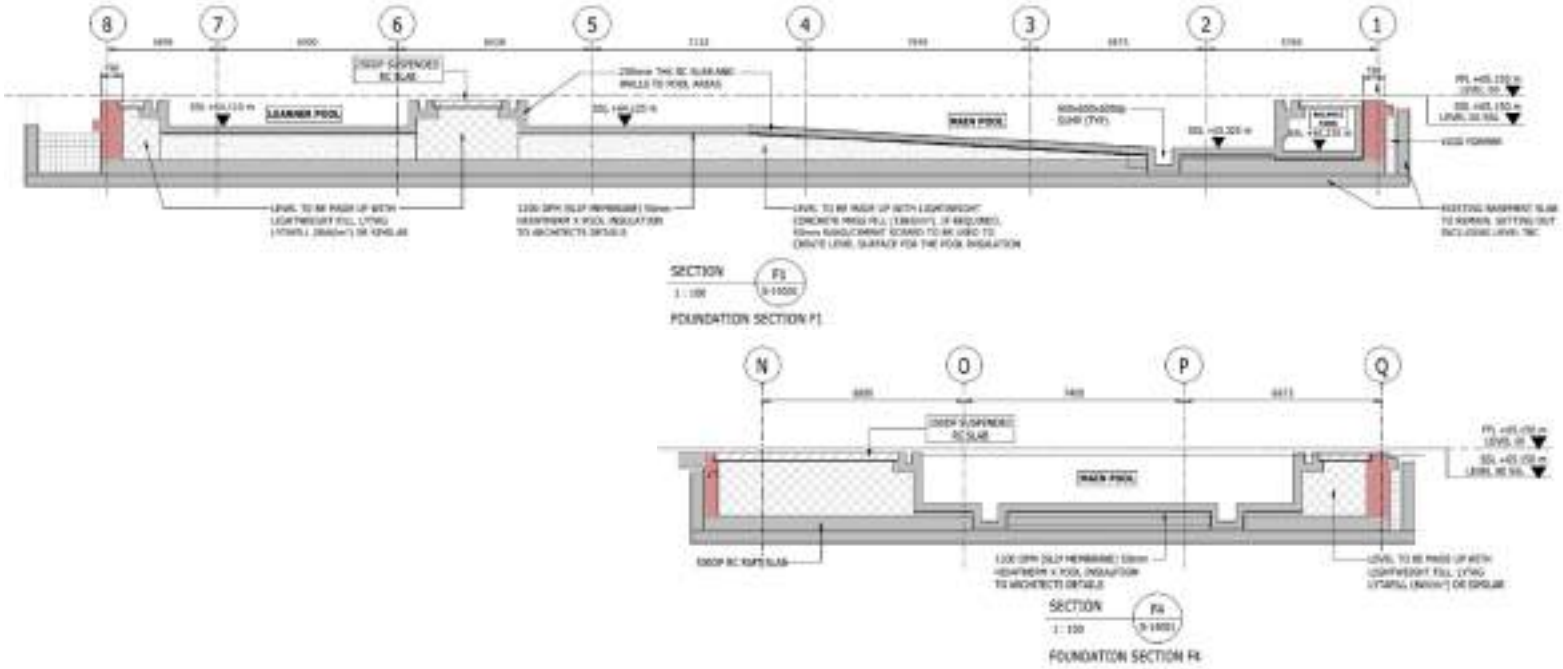


Substructure

Lower Raft Slab - Walls

Split into 30 pours – 2gngs

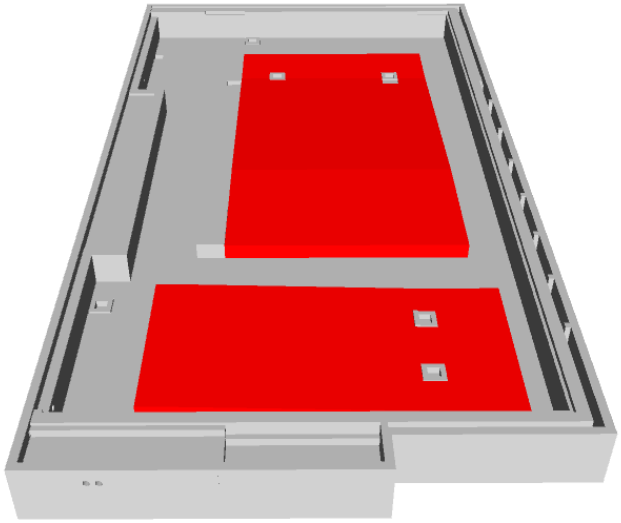


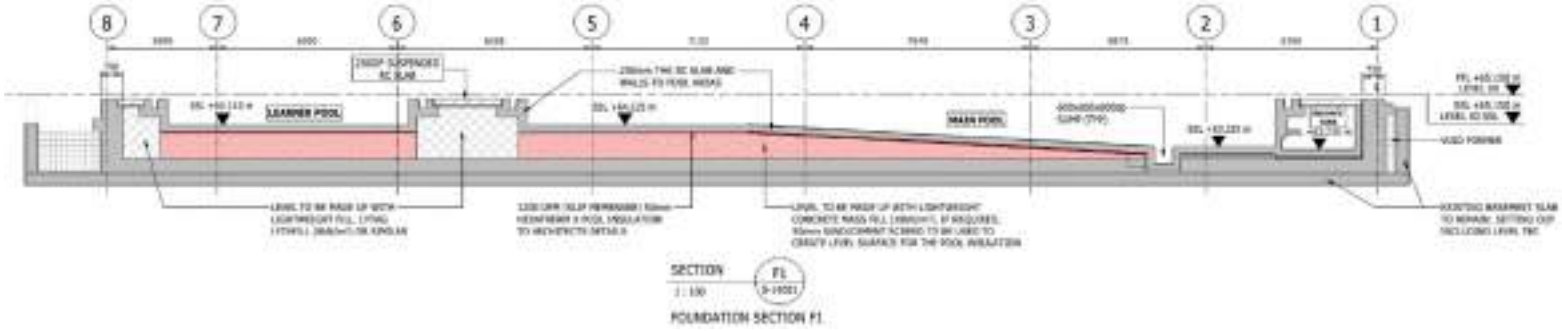


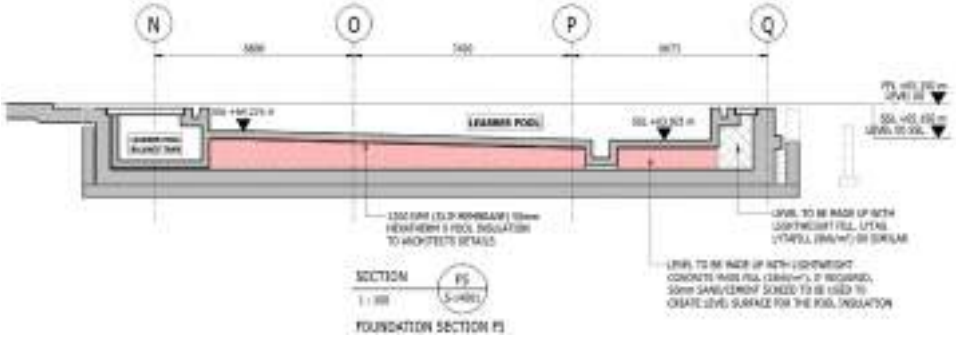
Raft Walls	7w 4d	5
Gang 1	**7w 4d**	6
Pour 1	**4d**	7
Void former	1d	8
Reinforcement	8eh	9
Formwork	8eh	10
Concrete	8eh	11
Strike Formwork	1d	12

Substructure

Lower Raft Slab – Mass Fill

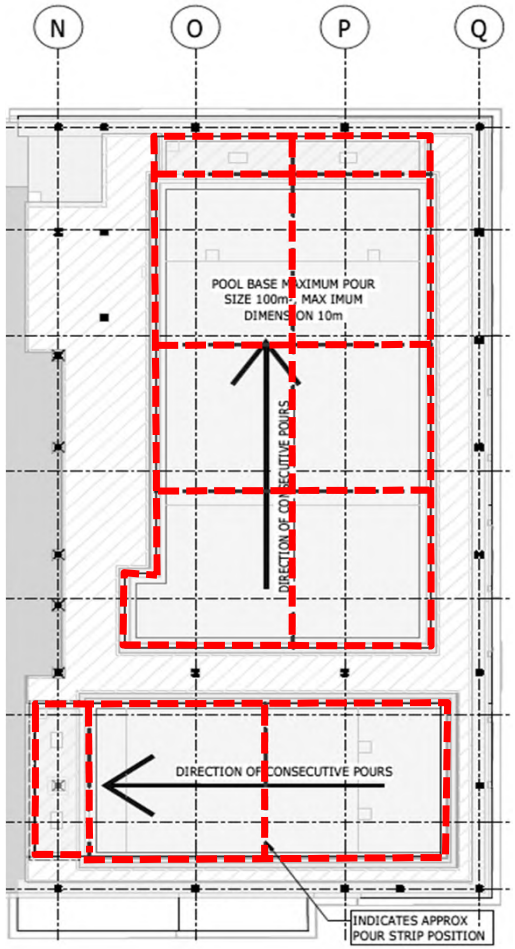


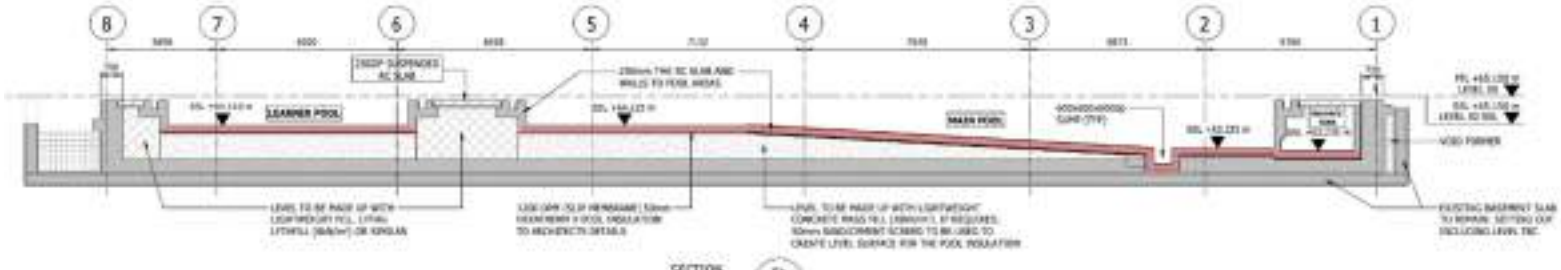




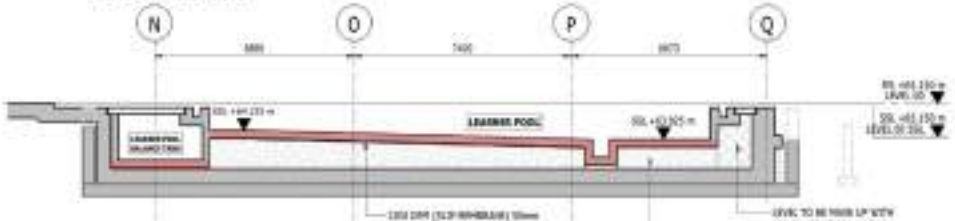
Substructure

Pool Structure - Base



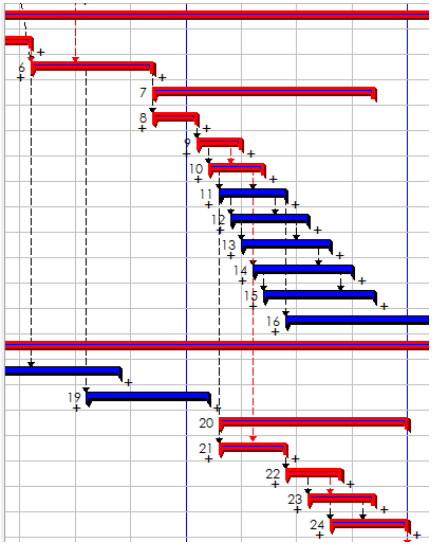


SECTION F1
FOUNDATION SECTION F1



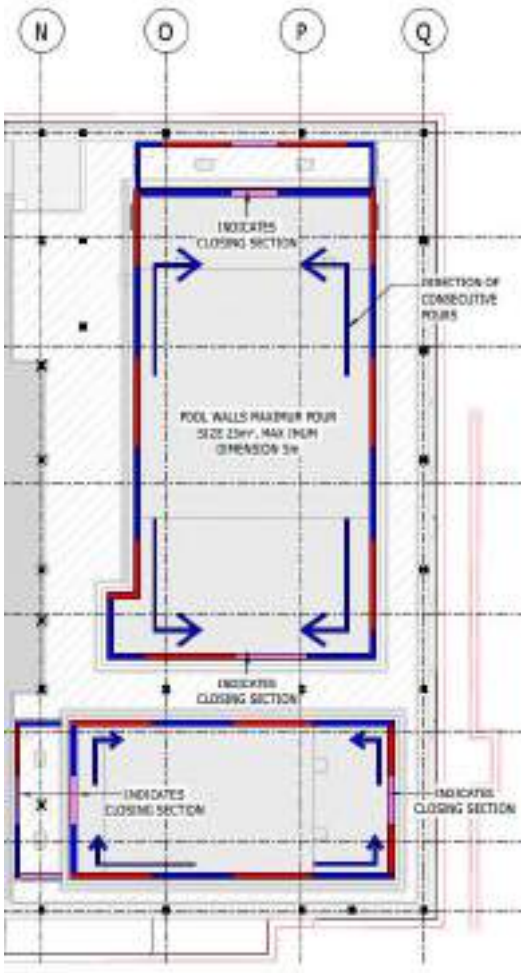
SECTION F1
FOUNDATION SECTION F1

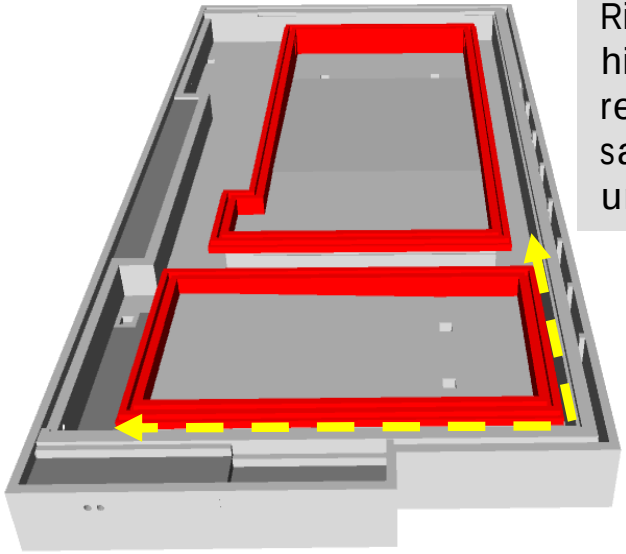
Main Pool	14w 3d
Balance Tank	4w
Mass Fill	2w 1d
Slab	4w
Pour 1	**4d**
Pour 2	**4d**
Pour 3	**1w**
Pour 4	**1w 1d**
Pour 5	**1w 2d**
Pour 6	**1w 3d**
Pour 7	**1w 4d**
Pour 8	**2w**
Walls	6w
Learner Pool	14w 2d
Balance Tank	3w 3d
Mass Fill	2w 1d
Slab	3w 2d
Pour 1	**1w 1d**
Pour 2	**1w**
Pour 3	**1w 1d**
Pour 4	**1w 2d**



Substructure

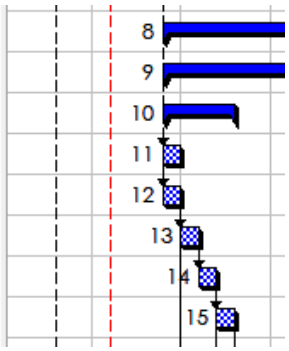
Pool Structure - Walls





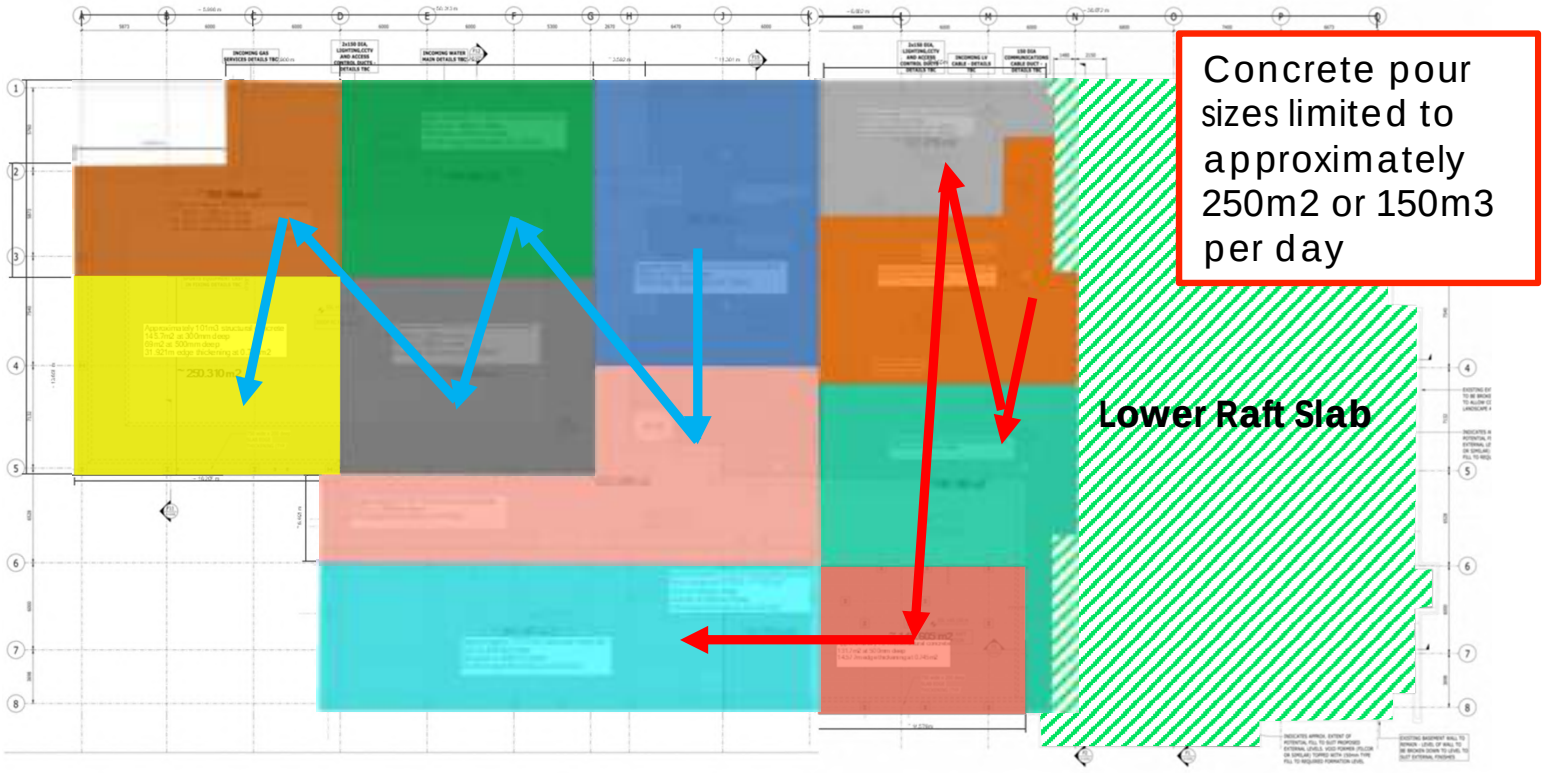
Risk around highlighted area regarding access – sacrificial shutters under review

Walls	6w	
Gang 1	**6w**	
Pour 1	**4d**	
Void former	1d	
Reinforcement	8eh	
Formwork	8eh	
Concrete	8eh	
Strike Formwork	1d	



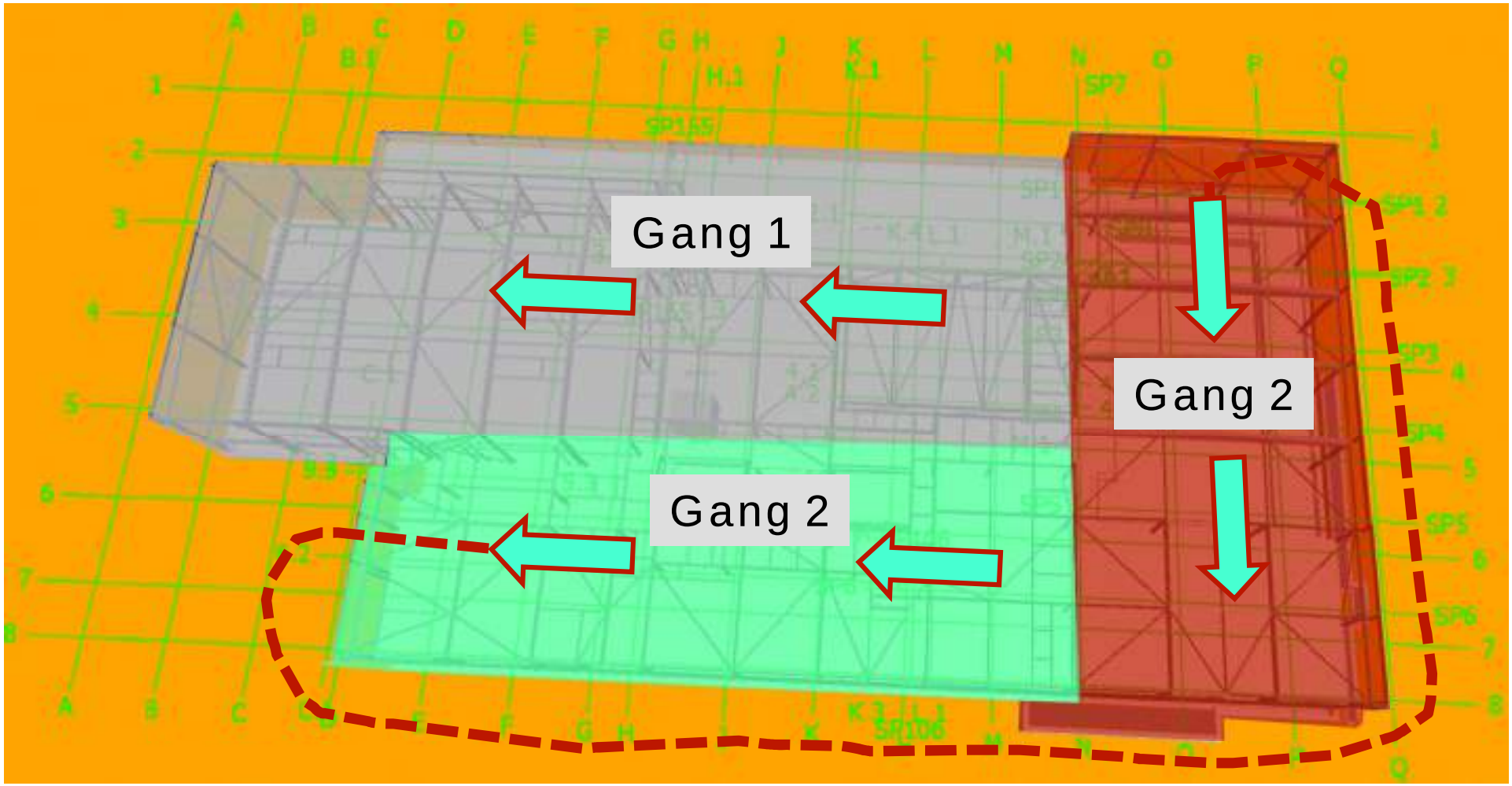
Substructure

Upper Raft Slab



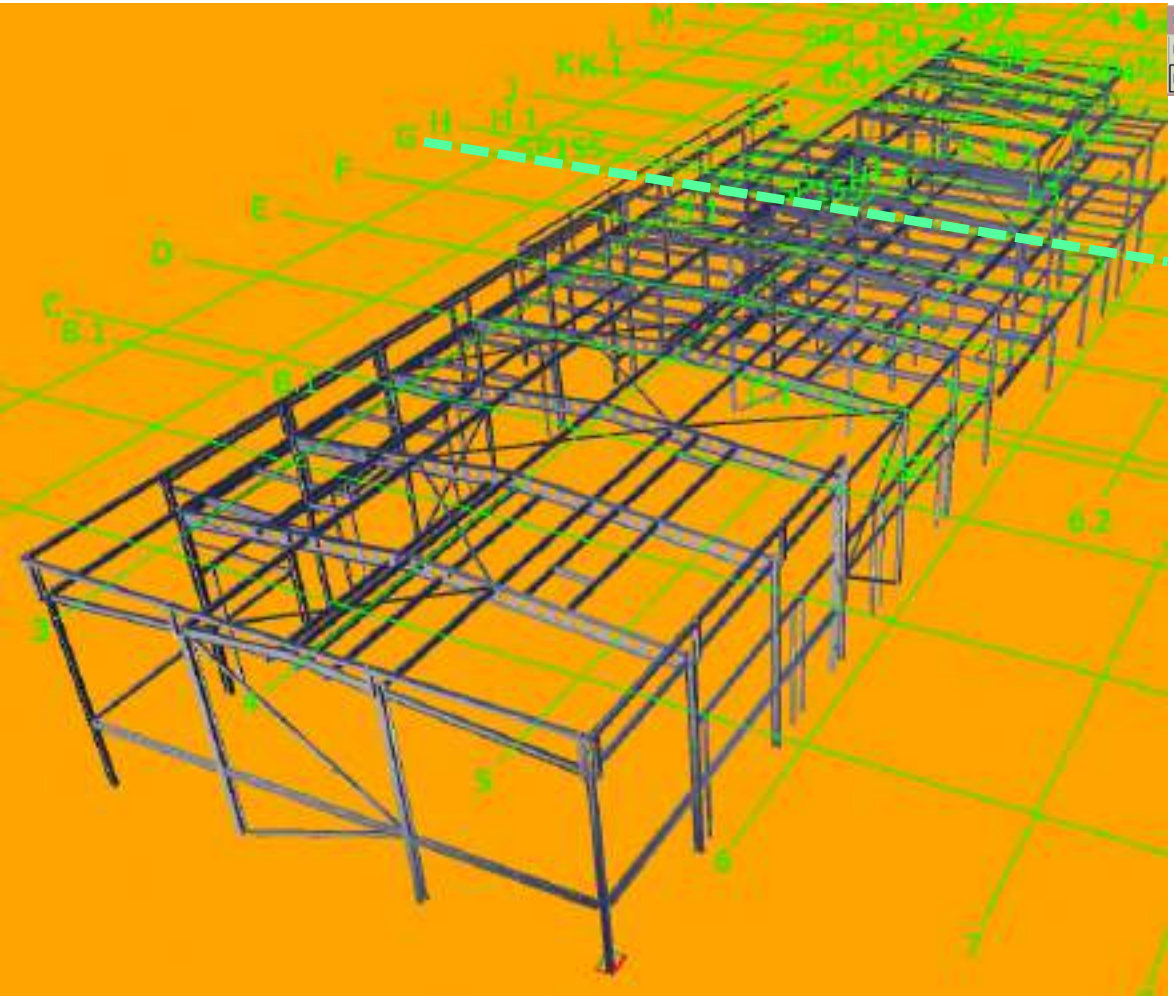
Superstructure

Steel Erection

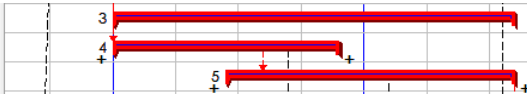


Superstructure

Gang 1 – GL N-A, 1-5

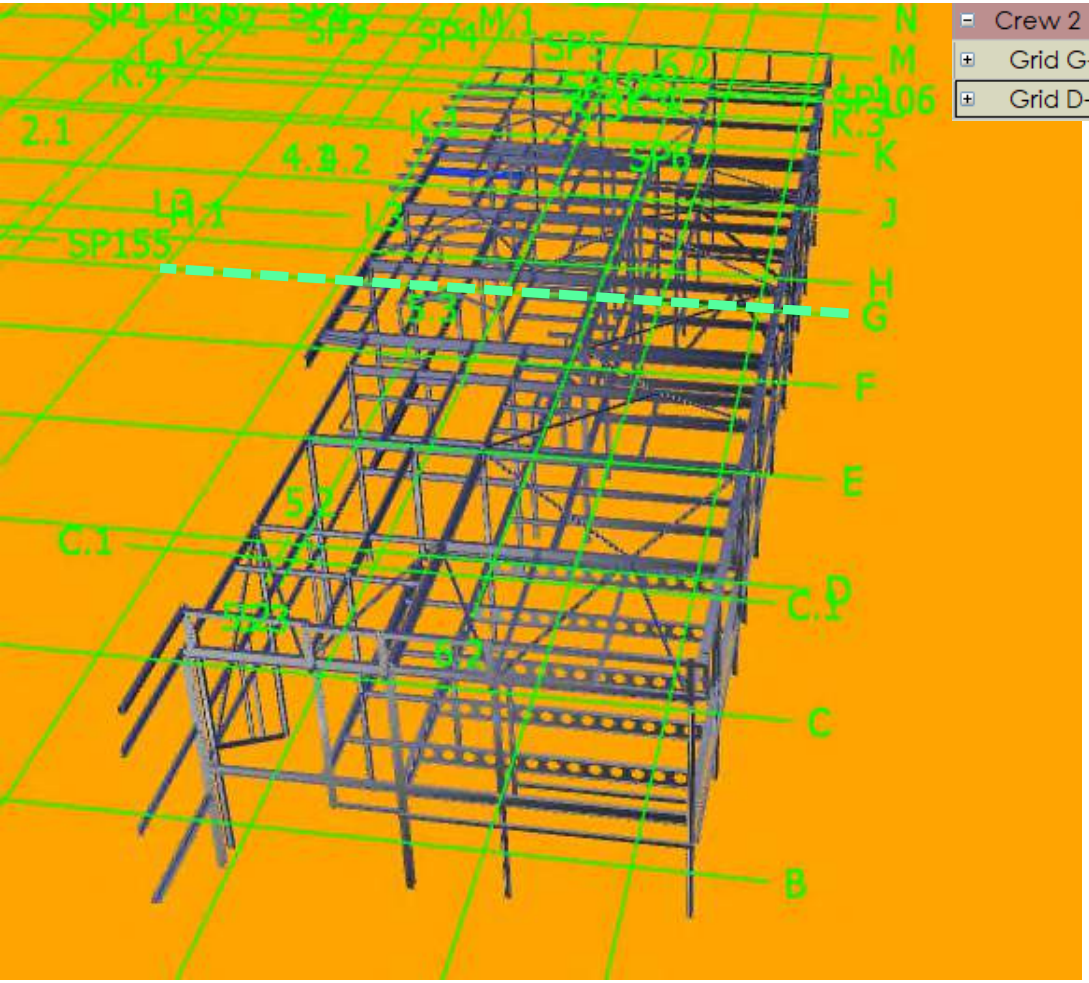


Crew 1	6w 2d
Grid G-N, 1-5	3w 3d
Grid G-A, 1-5 Sports Hall	4w 3d

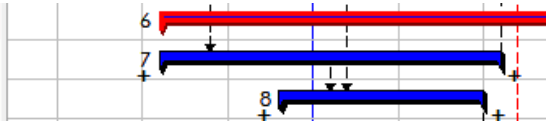


Superstructure

Gang 2 – GL N-D, 5-8

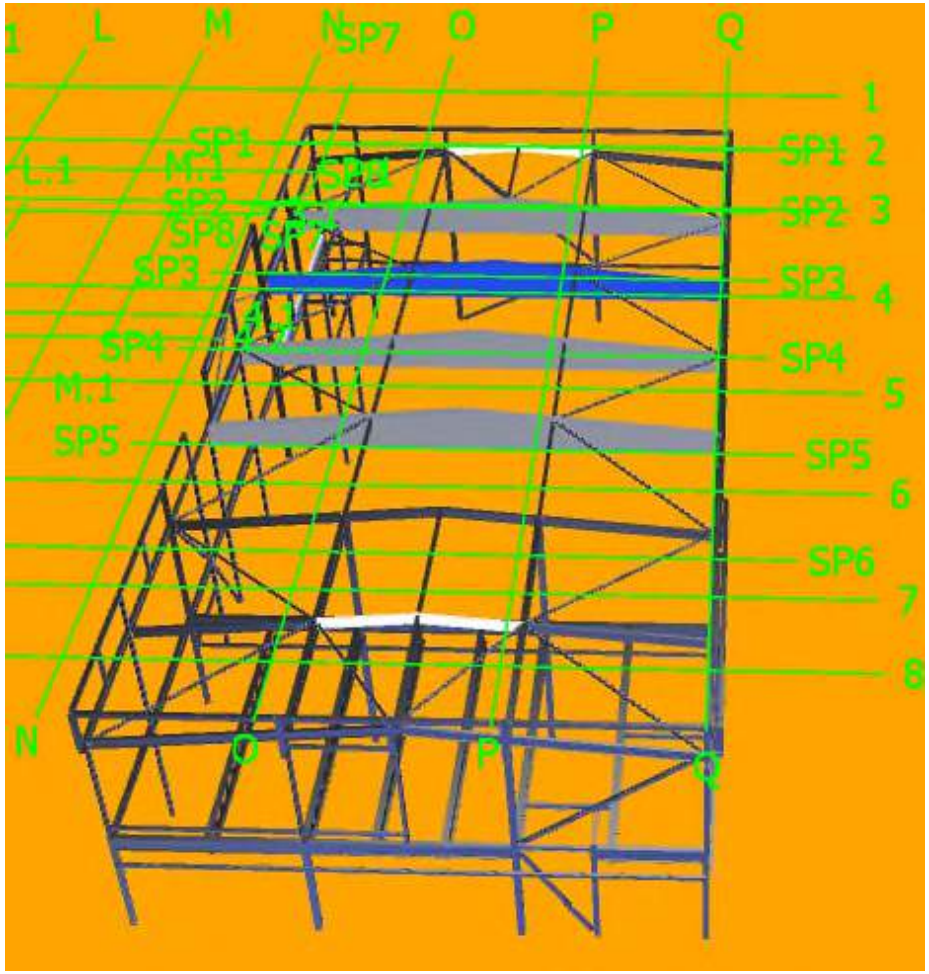


Crew 2	13w 2d
Grid G-N, 5-9	4w
Grid D-G, 5-8	2w 2d



Superstructure

Gang 2 - Pool Hall Steel GL N-Q, 1-8

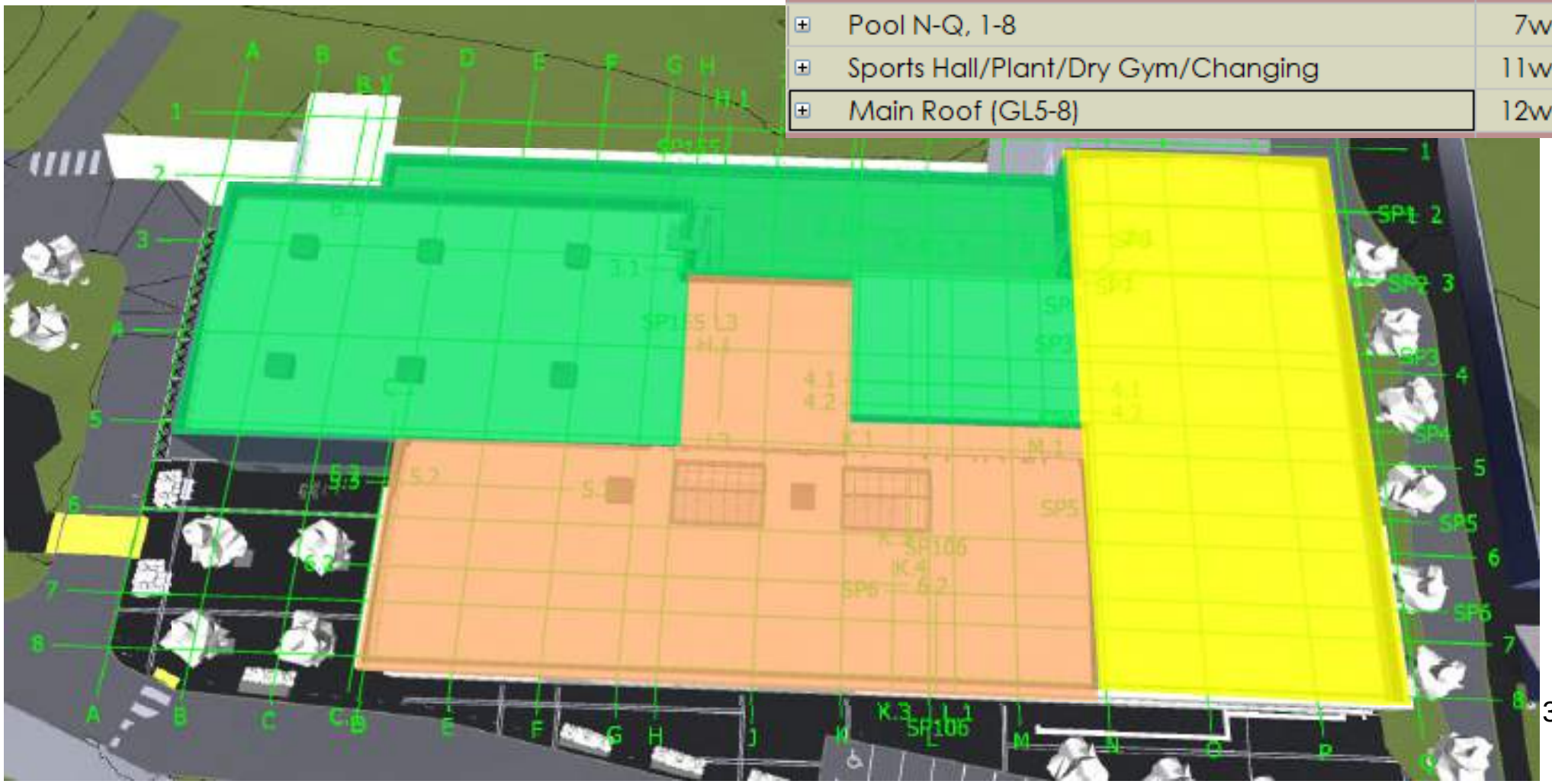


Pool Area N-Q, 1-8	6w 3d	18
Survey HD Bolts	3d	19
Erect Steel incl edge protection	3w	20
Install Glulam Beams and associated steel	1w	21
Grout Column Bases (by LOR)	2d	22
Install Haki Tower for access (by LOR)	1d	23
Install Metal Decking to first floor	4d	24
Install Roof Decking	2w	25
Time Risk Allowance	3d	26
Handover to LOR		27

Envelope

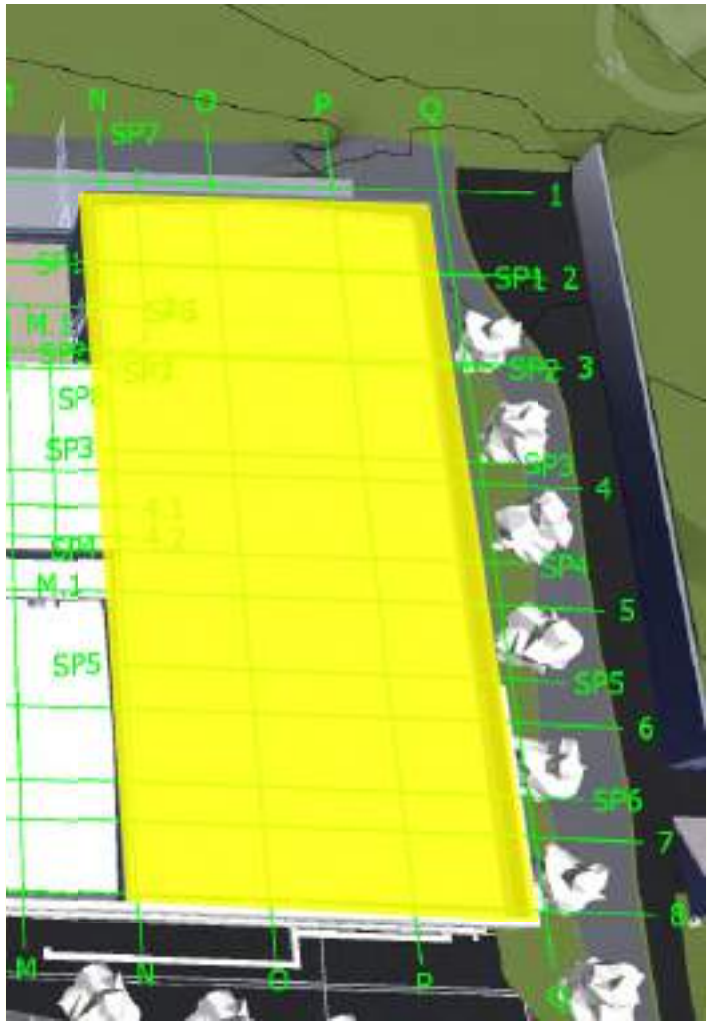
Roofing – Overview

⊟ External Envelope	17w 2d
⊟ Roofing	17w 2d
⊞ Pool N-Q, 1-8	7w 4d
⊞ Sports Hall/Plant/Dry Gym/Changing	11w 4d
⊞ Main Roof (GL5-8)	12w 1d



Envelope

Roofing – Pool Hall

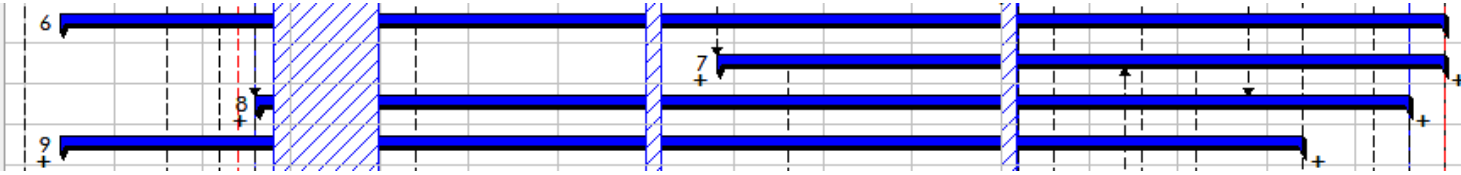


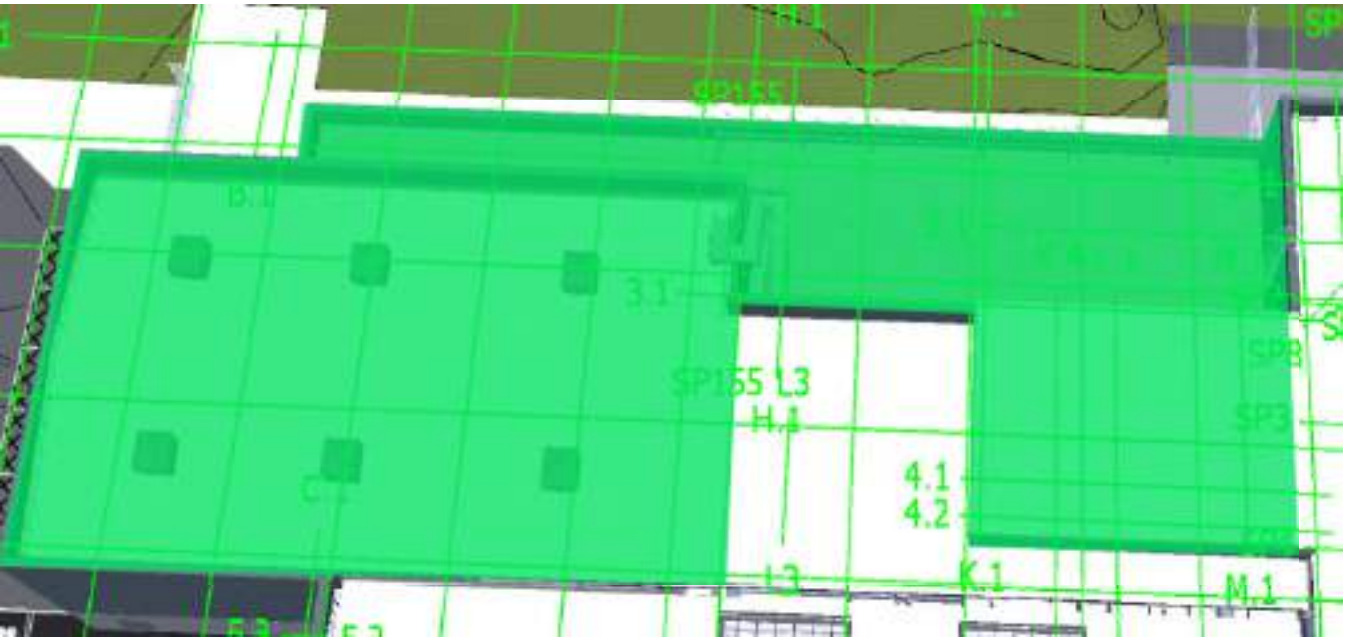
Roofing	17w 2d	
Pool N-Q, 1-8	7w 4d	
Roof Gutter and outlets	2d	6
Composite Roof Panel	4w 2d	7
GL N Parapet Cladding	2d	8
GL N Parapet Capping	1d	9
Handrails	2d	10
Time Risk Allowance	3d	11
Pool hall roof and parapets complete		12

Envelope

Roofing – Plant Deck and Squash Court

Sports Hall/Plant/Dry Gym/Changing	14w
Level 1 Plant Deck	8w
Squash Court Roof (GL2-5)	11w 2d
Sports Hall Roof	12w 2d

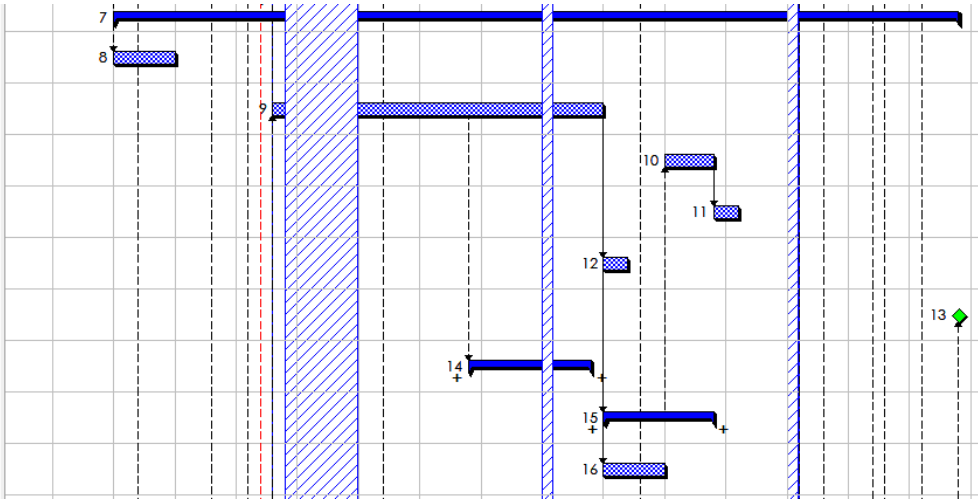




Envelope

Roofing – Main Roof

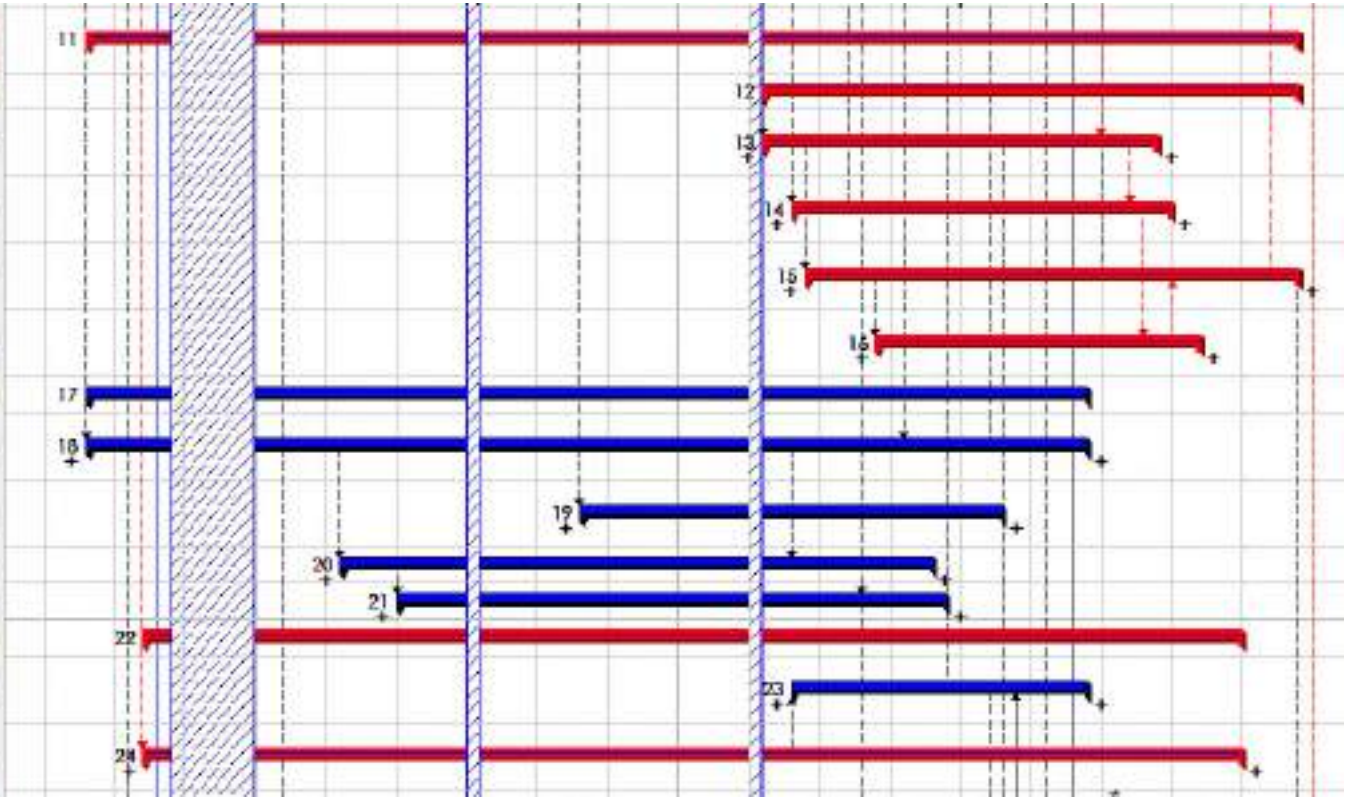
Main Roof (GL5-8)	12w 1d
Gutter Grid Line 8	1w
Composite Panels to Main Roof	4w
Roof Cowl Upstands (2nr)	4d
Roof Cowl Installs (2nr)	2d
GL N Parapet Cladding	2d
Main Roof Complete	
Roof Light 1	1w 4d
Roof Light 2	1w 4d
PV Install	1w



Elevations

Overall

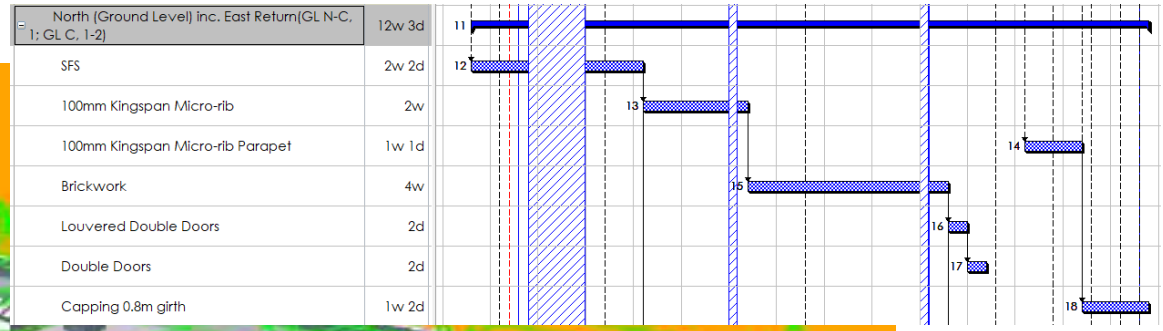
SFS / Wall Cladding / Curtain Walling / Brickwork	15w 3d
Pool Hall Envelope (N-Q, 1-8)	7w 3d
North Level 1 Low Level incl West Return	5w 3d
West above level 1 (External Plant Deck) (GL N, 1-3)	5w 2d
East Elevation (GL Q, 1-8)	7w
South (Pool Hall) (GL N-Q, 8)	4w 3d
Sports Hall/Plant/Dry Gym/Changing	12w 3d
North (Ground Level) inc. East Return(GL N-C, 1; GL C, 1-2)	12w 3d
North Level 1 incl West Return (GL N-H, 3; GL H, 3-1; GL H-A, 2)	5w 4d
West Elevation (GL A, 2-5)	8w
South Elevation (GL A-D, 5)	7w 2d
Entrance/Library/Dance/Dry Change	14w
West (GL D, 5-8)	4w 1d
South (GL D-N, 8)	14w



Elevations

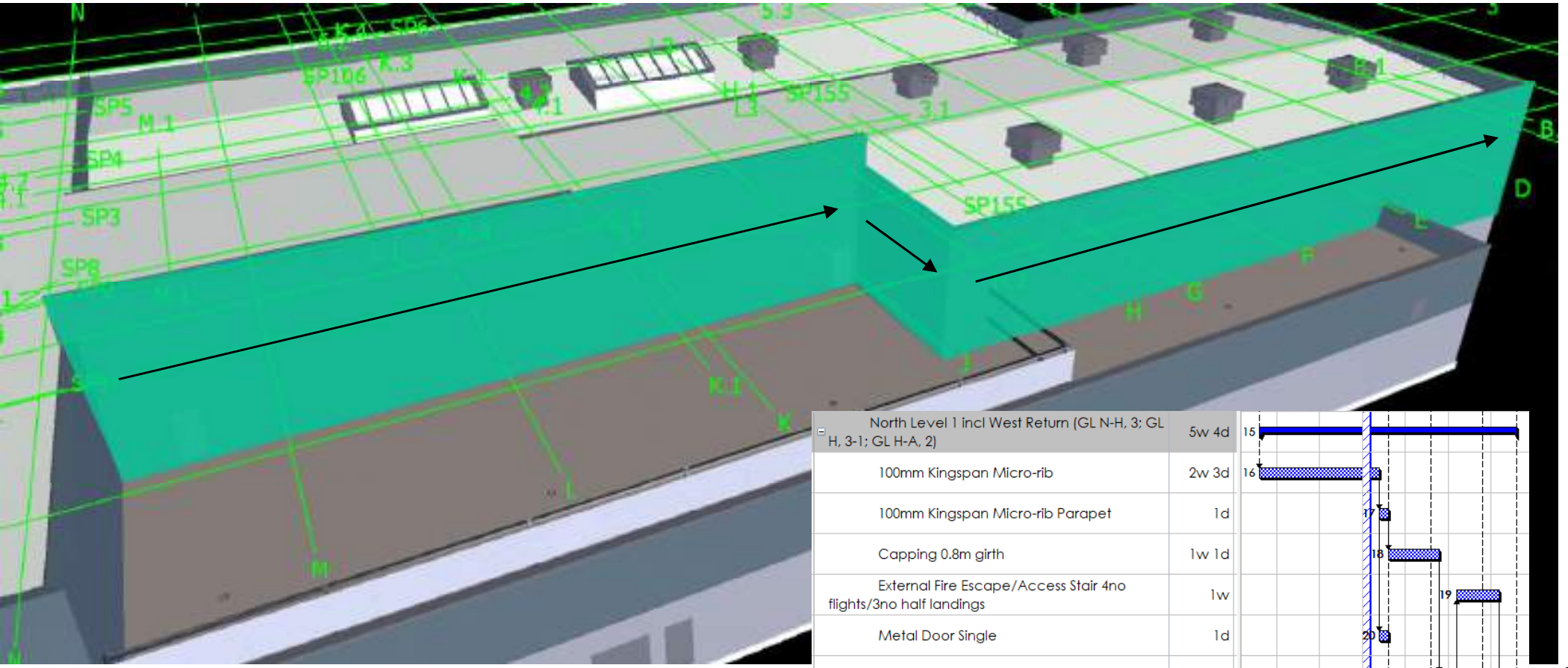
North Elevation

North (Ground Level) inc. East Return(GL N-C, 1; GL C, 1-2)	12w 3d
SFS	2w 2d
100mm Kingspan Micro-rib	2w
100mm Kingspan Micro-rib Parapet	1w 1d
Brickwork	4w
Louvered Double Doors	2d
Double Doors	2d
Capping 0.8m girth	1w 2d



Elevations

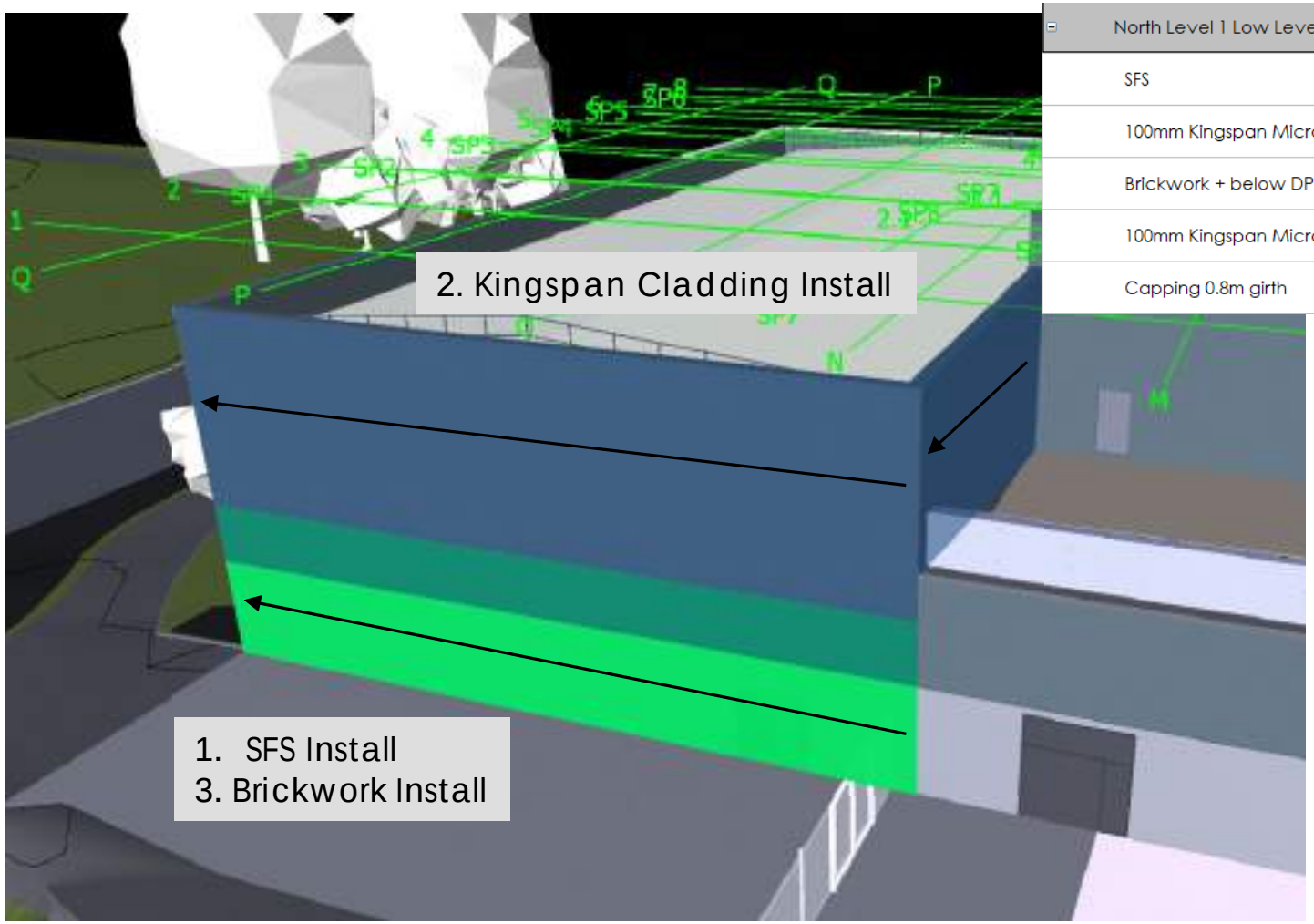
North Elevation



North Level 1 incl West Return (GL N-H, 3; GL H, 3-1; GL H-A, 2)	5w 4d
100mm Kingspan Micro-rib	2w 3d
100mm Kingspan Micro-rib Parapet	1d
Capping 0.8m girth	1w 1d
External Fire Escape/Access Stair 4no flights/3no half landings	1w
Metal Door Single	1d
Cat Ladder to high level roof	2d
Plant Screen	2d

Elevations

North Elevation

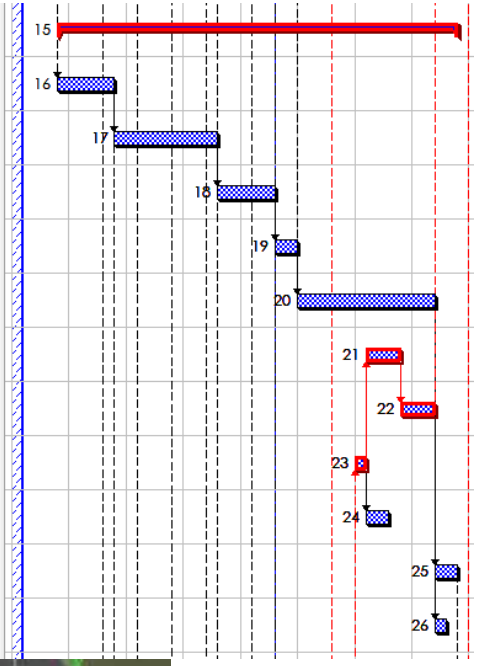


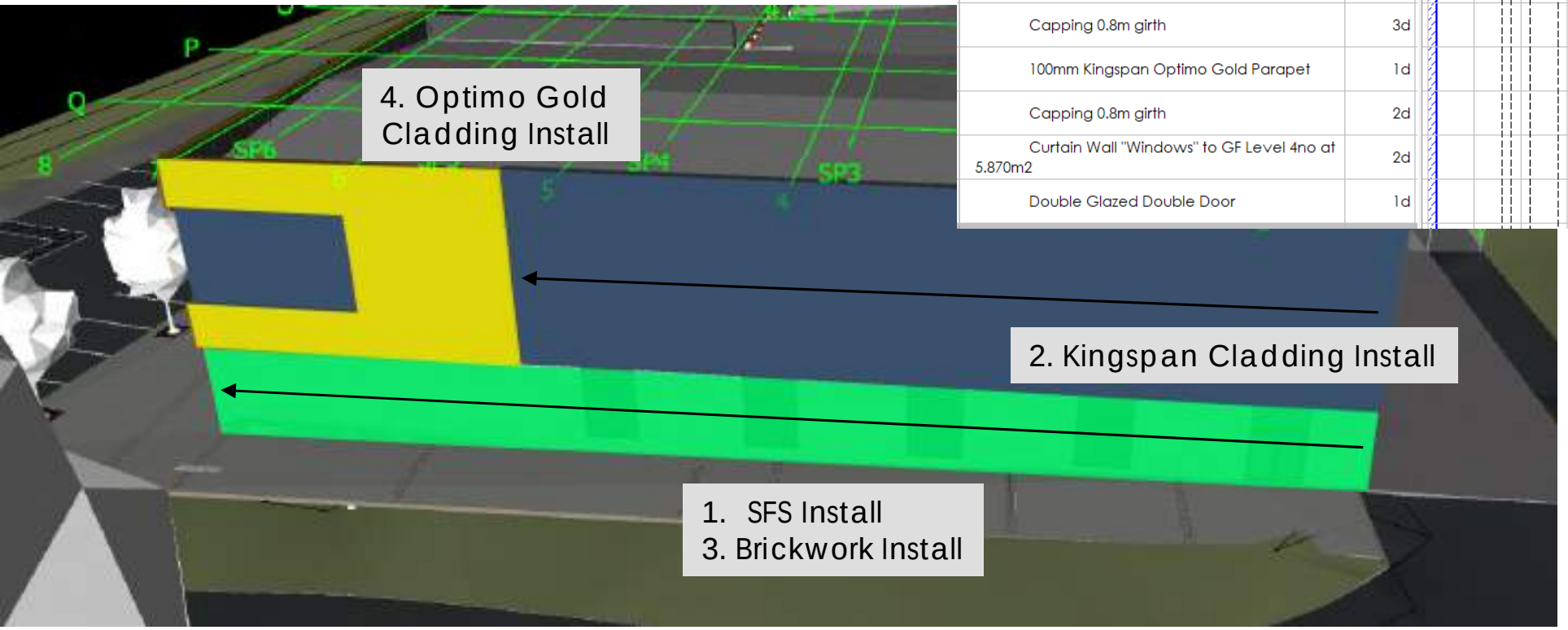
North Level 1 Low Level incl West Return	5w 3d	13
SFS	3d	14
100mm Kingspan Micro-rib	1w 3d	15
Brickwork + below DPC	1w 1d	16
100mm Kingspan Micro-rib Rear Parapet	2d	17
Capping 0.8m girth	2d	18

Elevations

East Elevation

East Elevation (GL Q, 1-8)	7w
SFS	1w
100mm Kingspan Micro-rib	1w 4d
Kingspan Optimo Gold incl Micro Rib Feature	1w
Micro Rib Feature	2d
Brickwork	2w 2d
100mm Kingspan Micro-rib Parapet	3d
Capping 0.8m girth	3d
100mm Kingspan Optimo Gold Parapet	1d
Capping 0.8m girth	2d
Curtain Wall "Windows" to GF Level 4no at 5.870m2	2d
Double Glazed Double Door	1d





Elevations

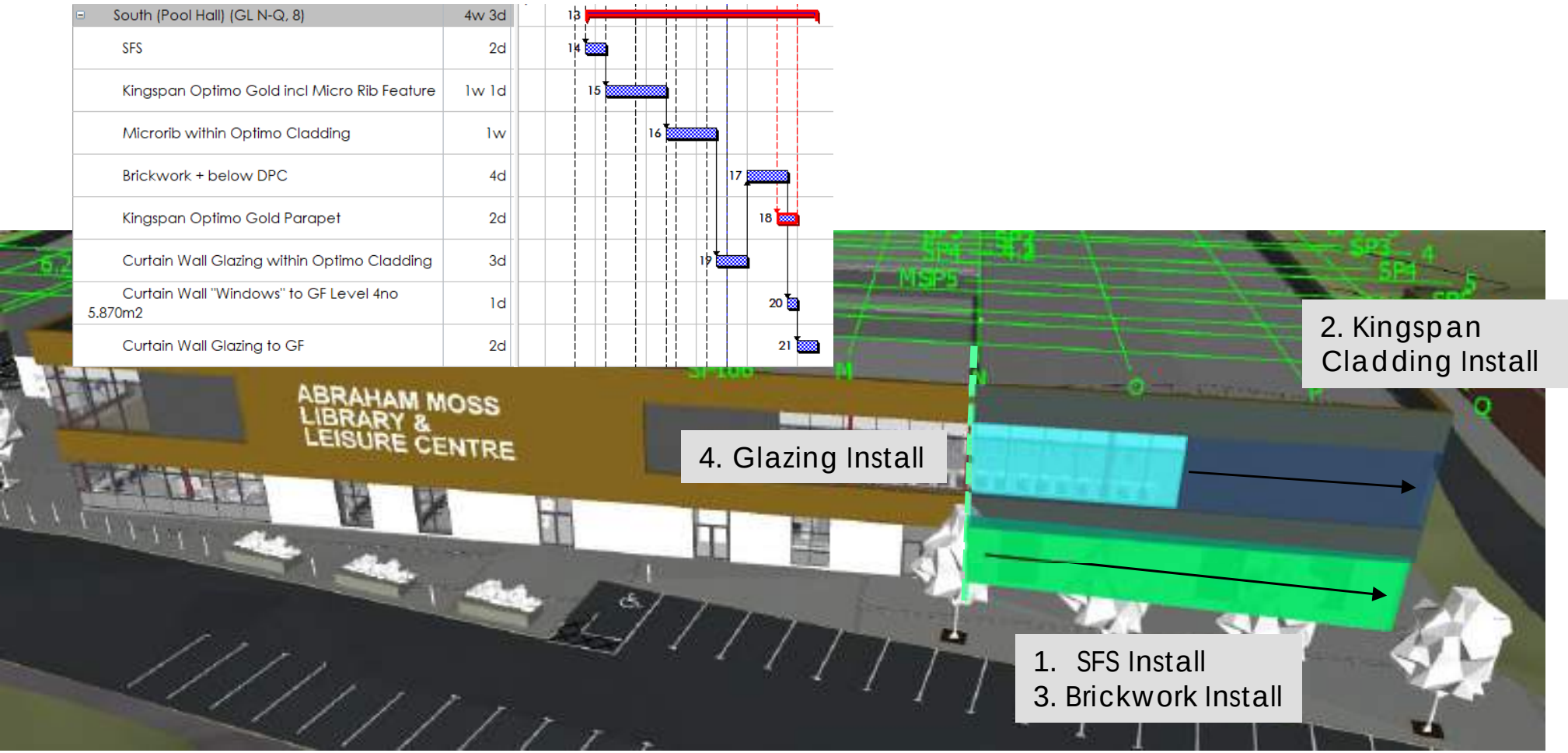
South Elevation

South (GL D-N, B)	14w
SFS	1w 2d
Signage Installation First Fix	4d
Kingspan Optimo Gold incl Micro Rib Feature	2w 3d
Microrib feature within Feature	3d
Kingspan Optimo to parapet	1w
Capping 0.6m girth	1w
Brickwork + below DPC	2w 4d
Erect Loading Tower to Gym (GL8/N)	3d
Loading Tower Available	5w 1d
Infill Curtain Walling after Removal of Scaffold Tower	4d
Dismantle Loading Tower	3d
Brickwork to DPC below curtain wall	1d
Curtain Wall Glazing	1w 2d
Curtain wall feature	2d

Elevations

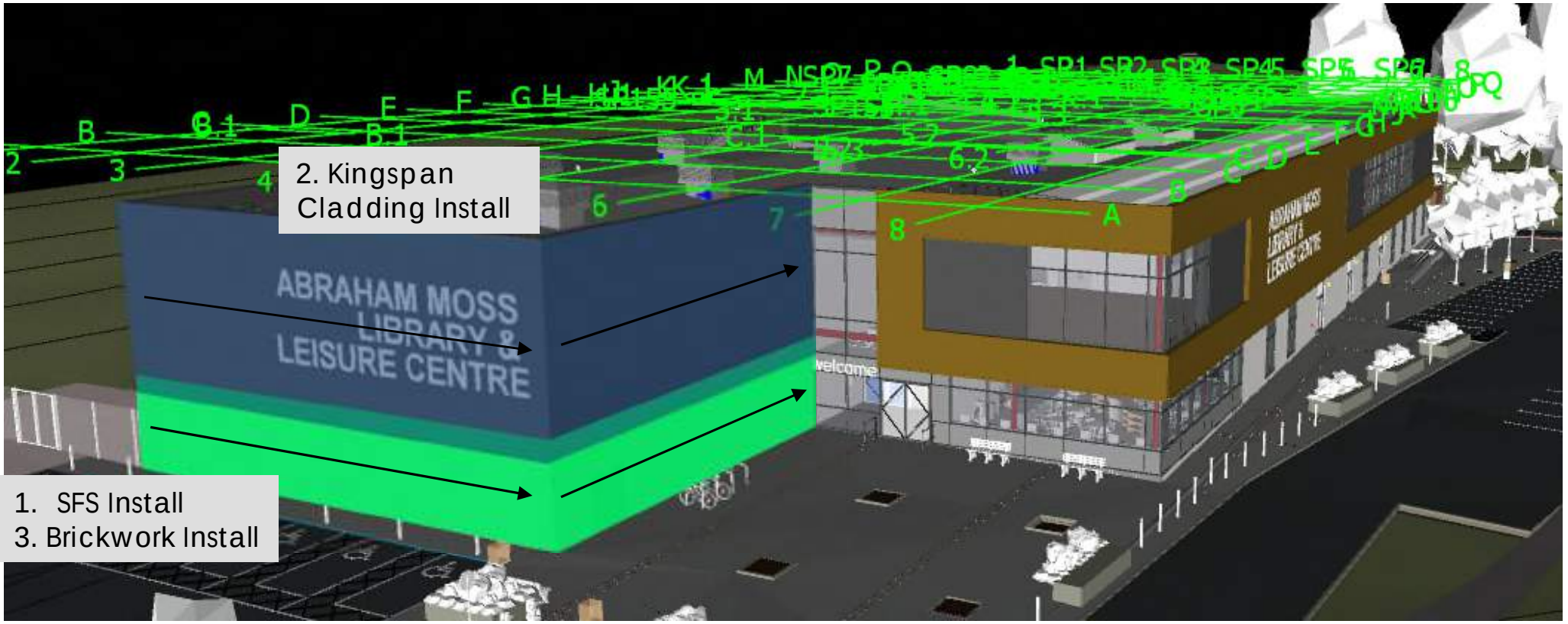
South Elevation

South (Pool Hall) (GL N-Q, 8)	4w 3d
SFS	2d
Kingspan Optimo Gold incl Micro Rib Feature	1w 1d
Microrib within Optimo Cladding	1w
Brickwork + below DPC	4d
Kingspan Optimo Gold Parapet	2d
Curtain Wall Glazing within Optimo Cladding	3d
Curtain Wall "Windows" to GF Level 4no 5.870m2	1d
Curtain Wall Glazing to GF	2d



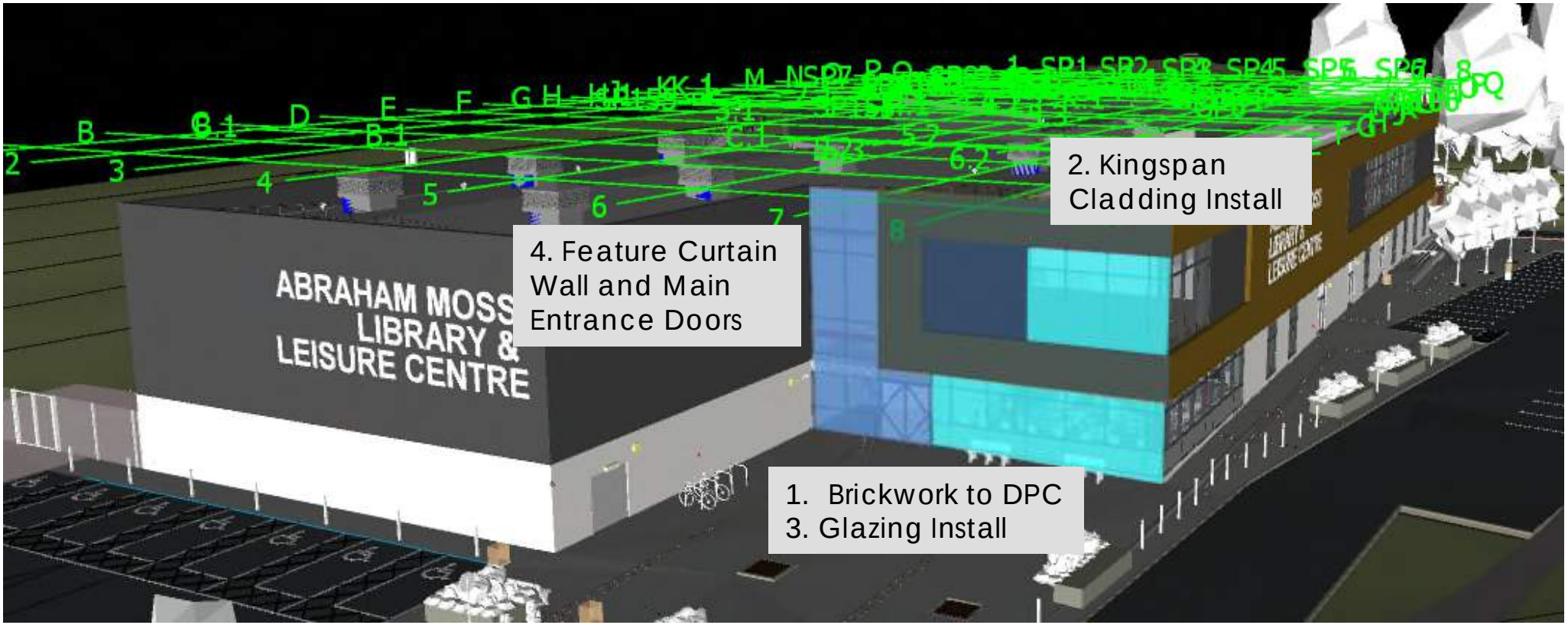
Elevations

West Elevation



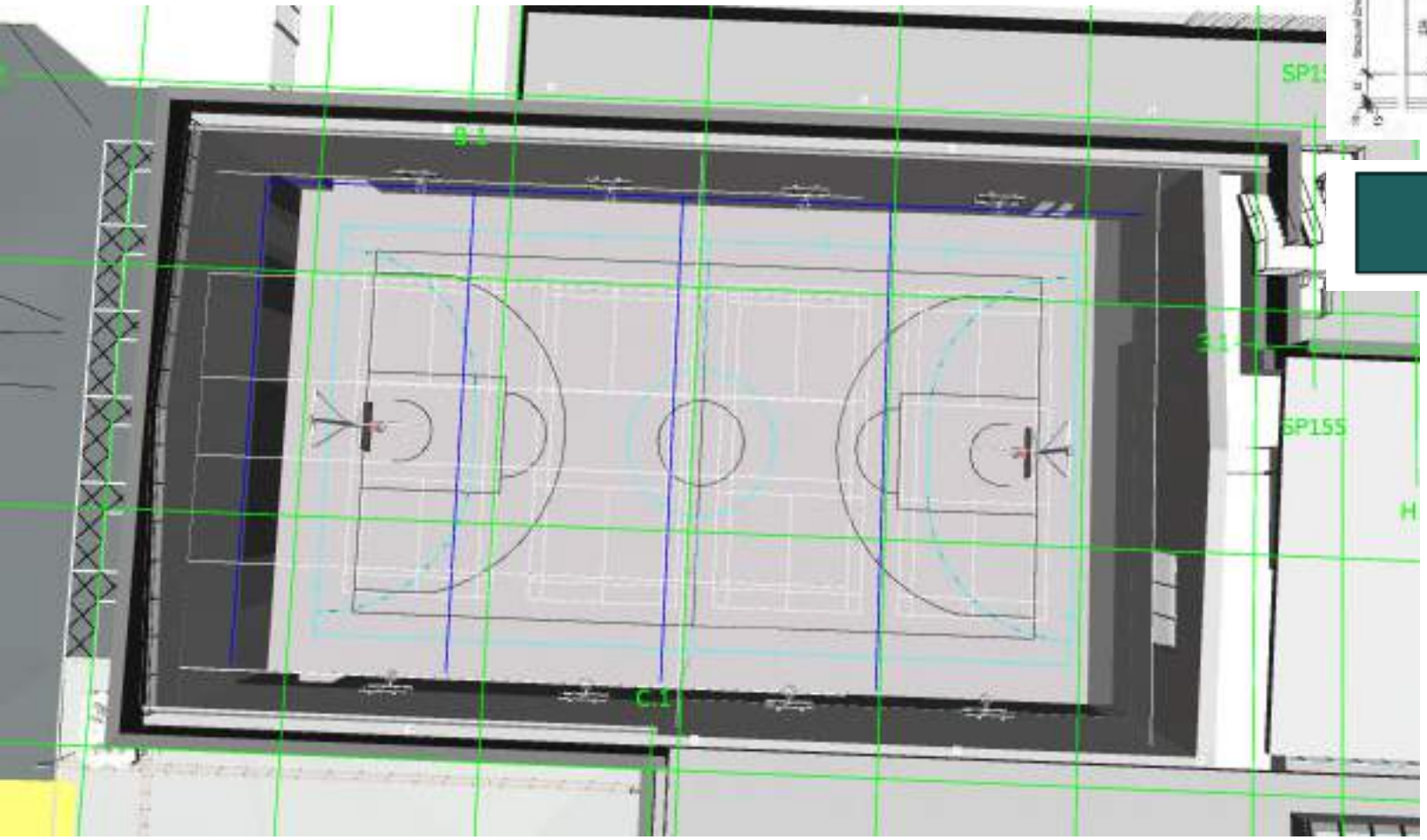
Elevations

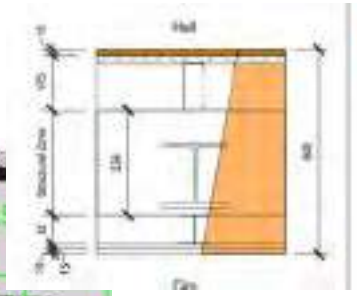
West Elevation



Fit Out

Sports Hall

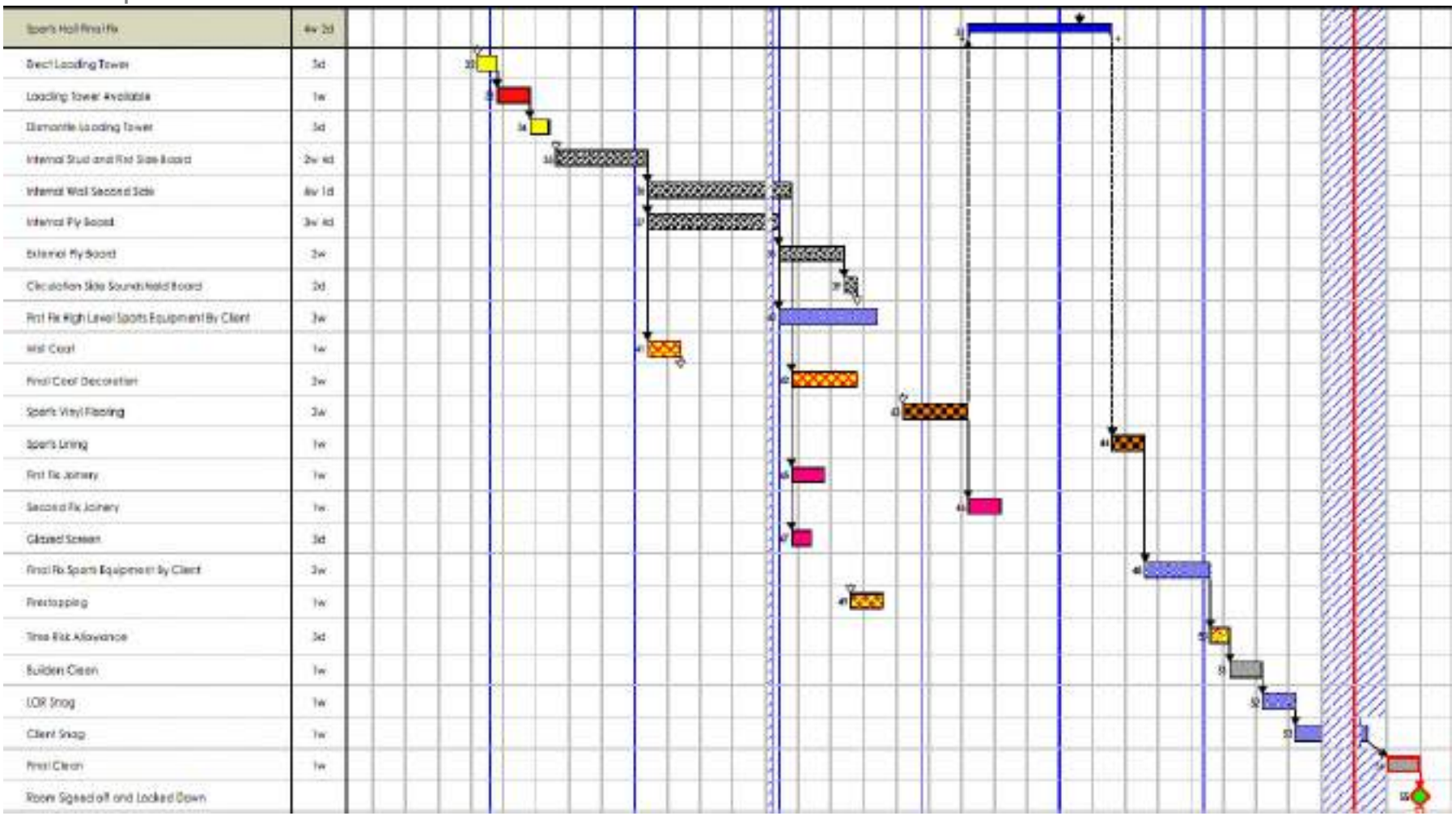




F10 - Sports Vinyl - Ss_30_42_72_72

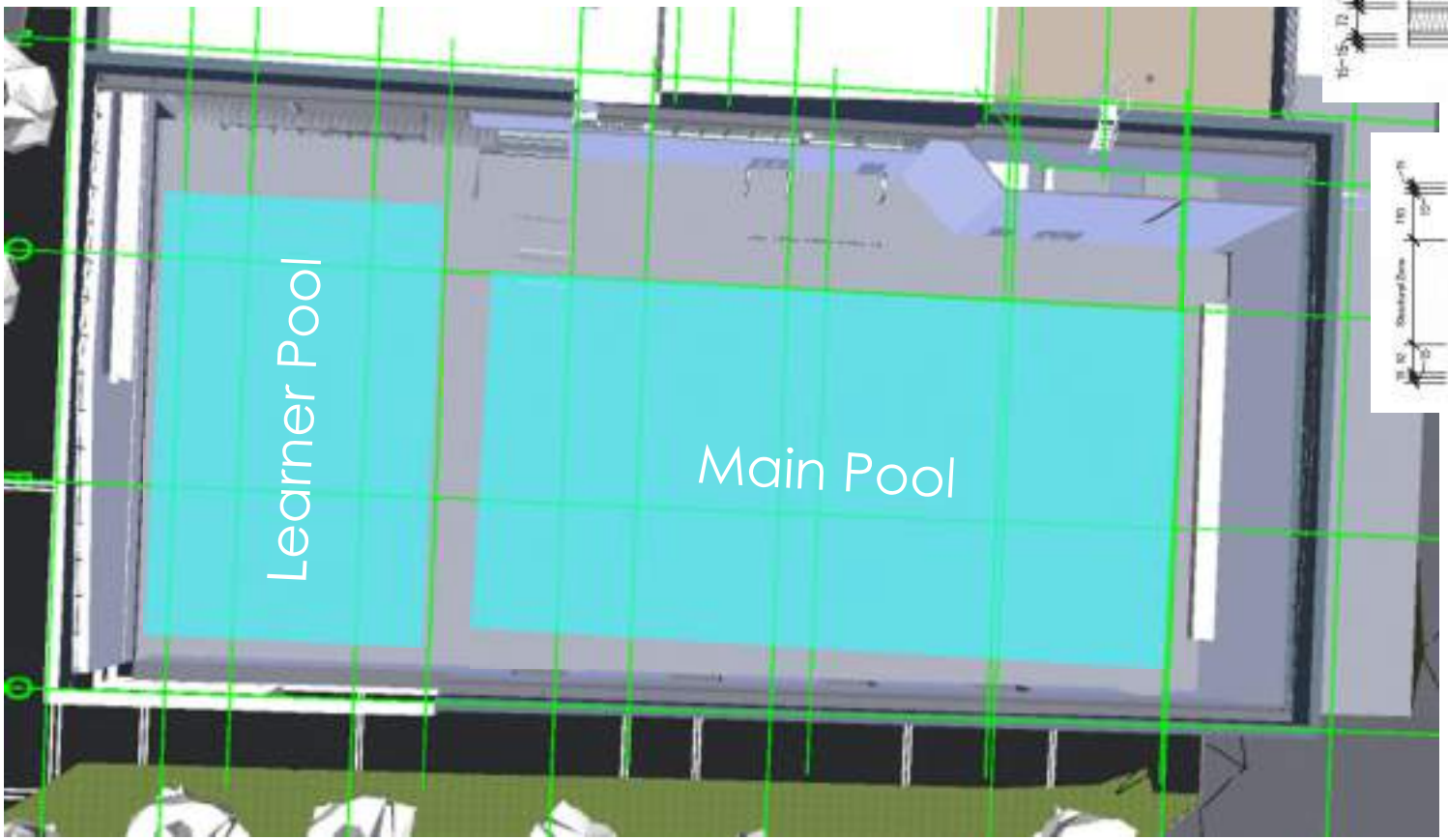
Fit Out

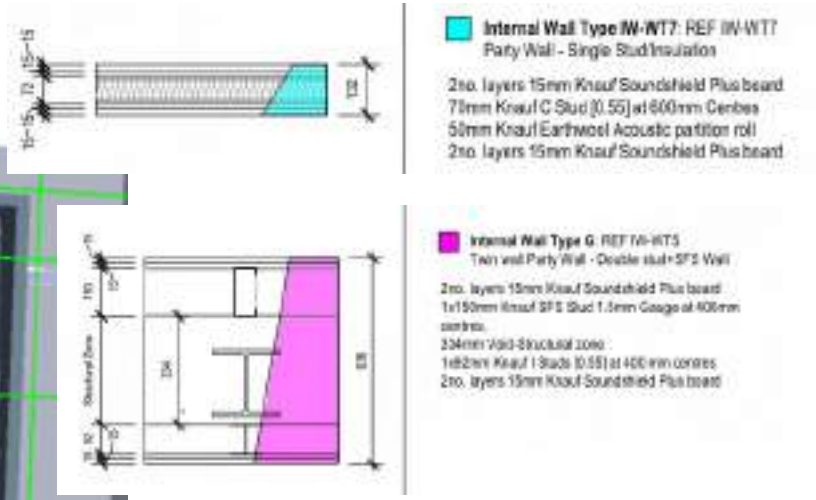
Sports Hall sequence



Fit Out

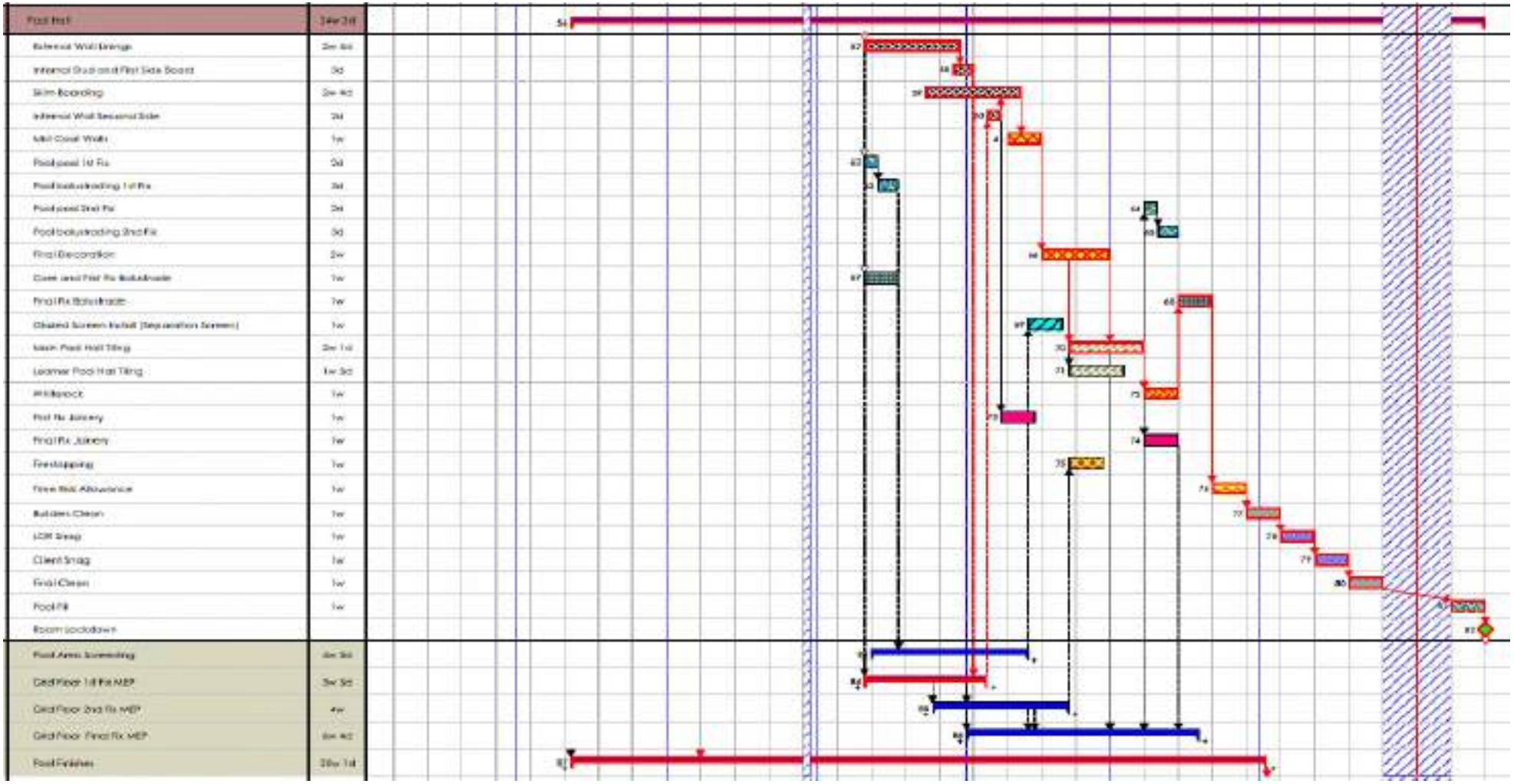
Pool Hall





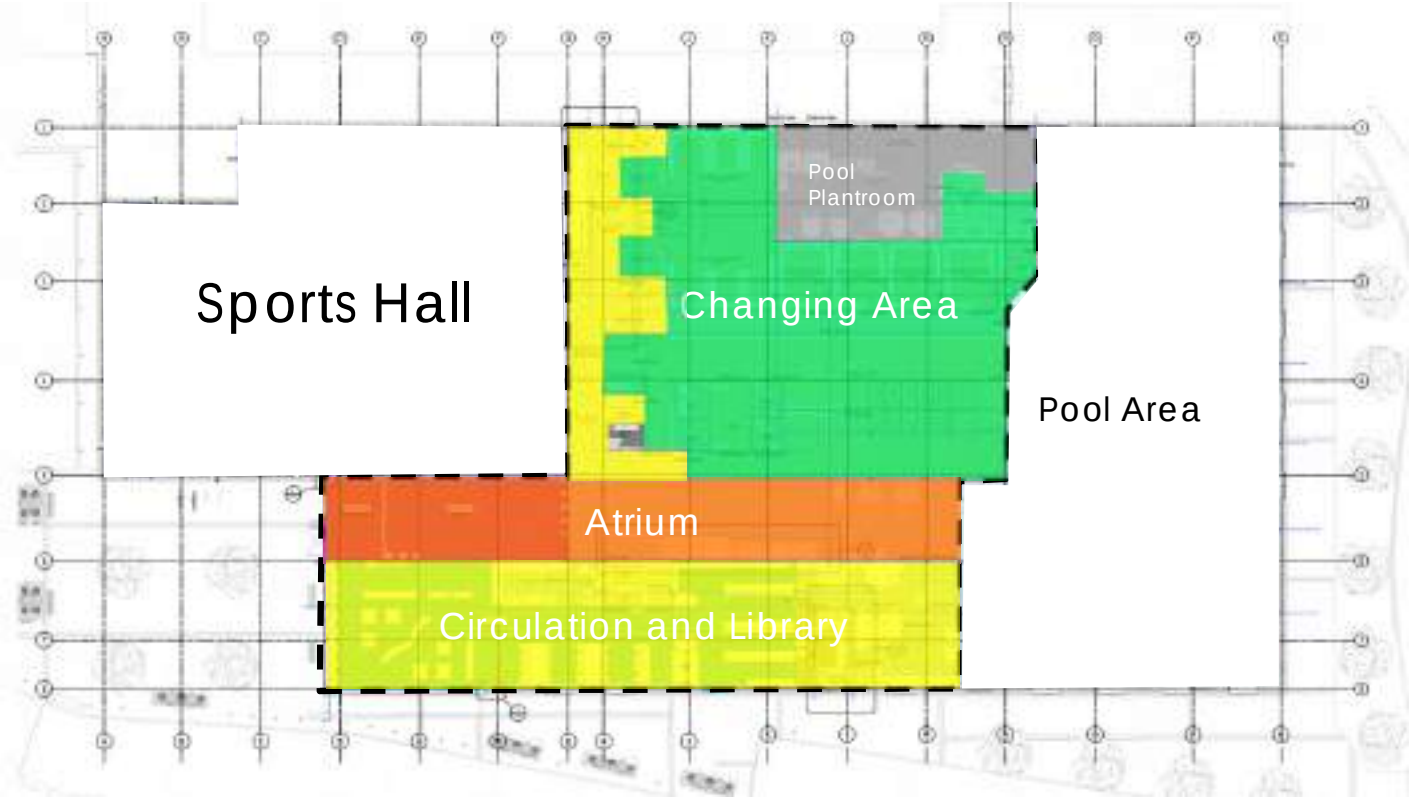
Fit Out

Pool Hall



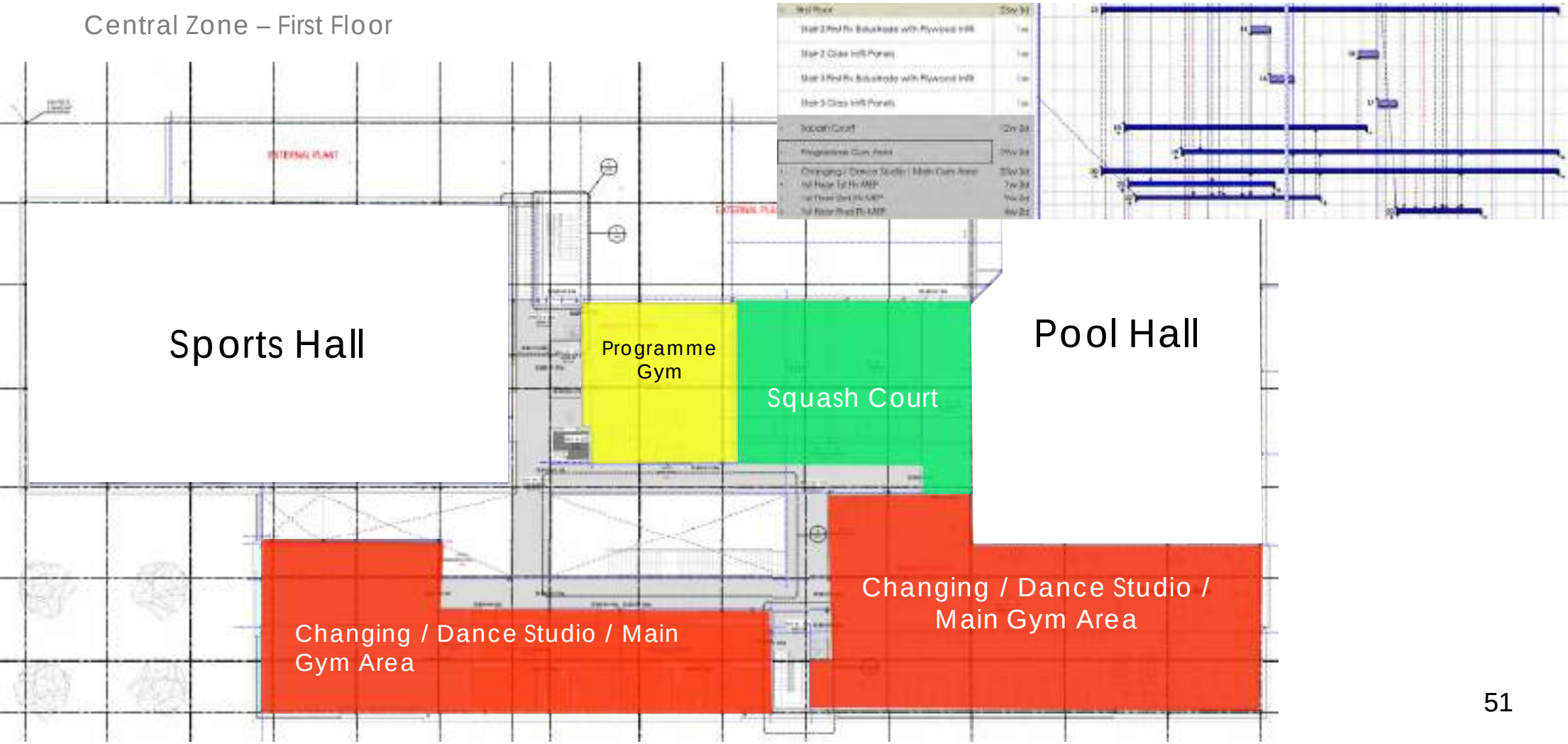
Fit Out

Central Zone – Ground Floor



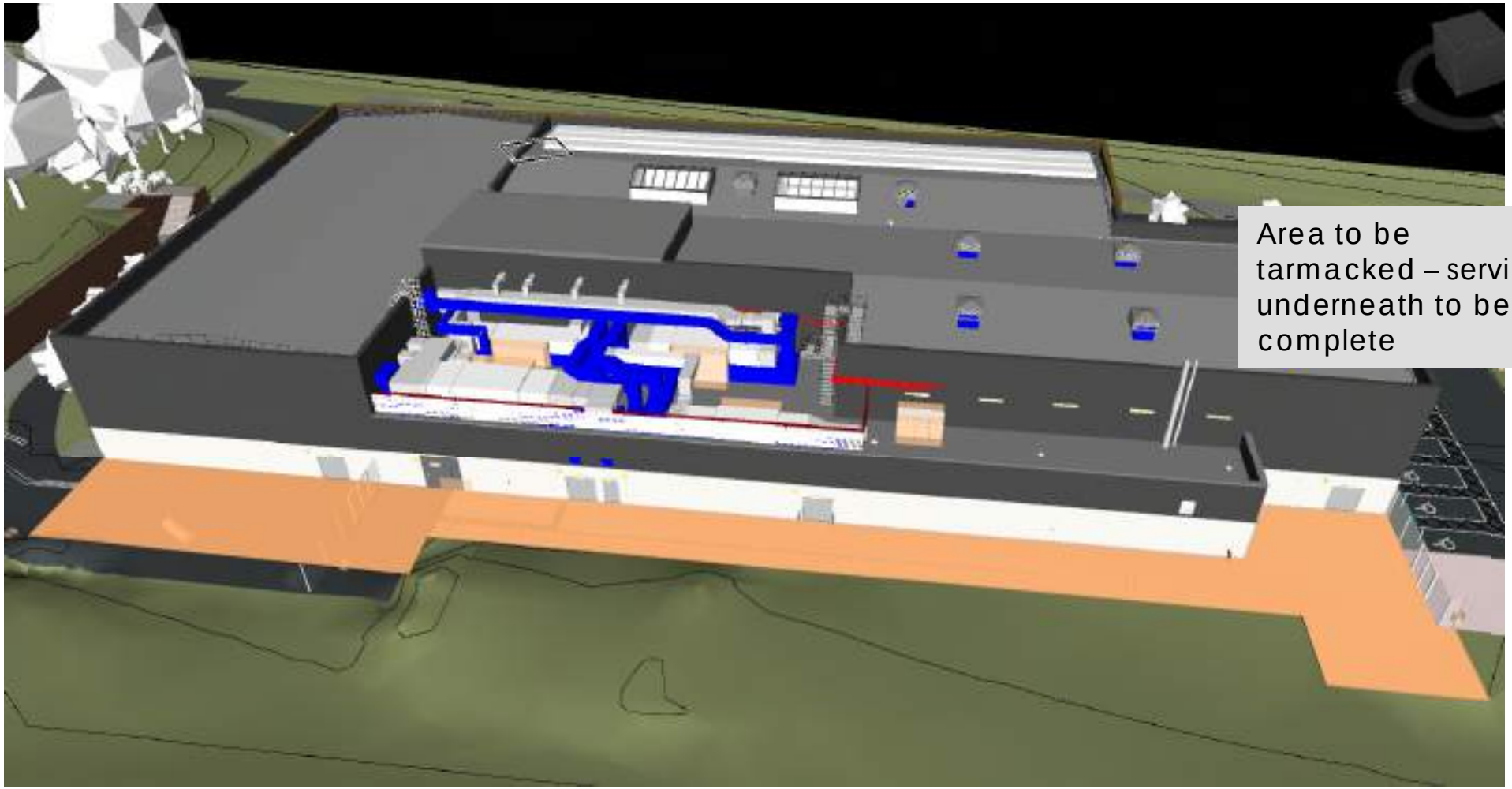
Fit Out

Central Zone – First Floor



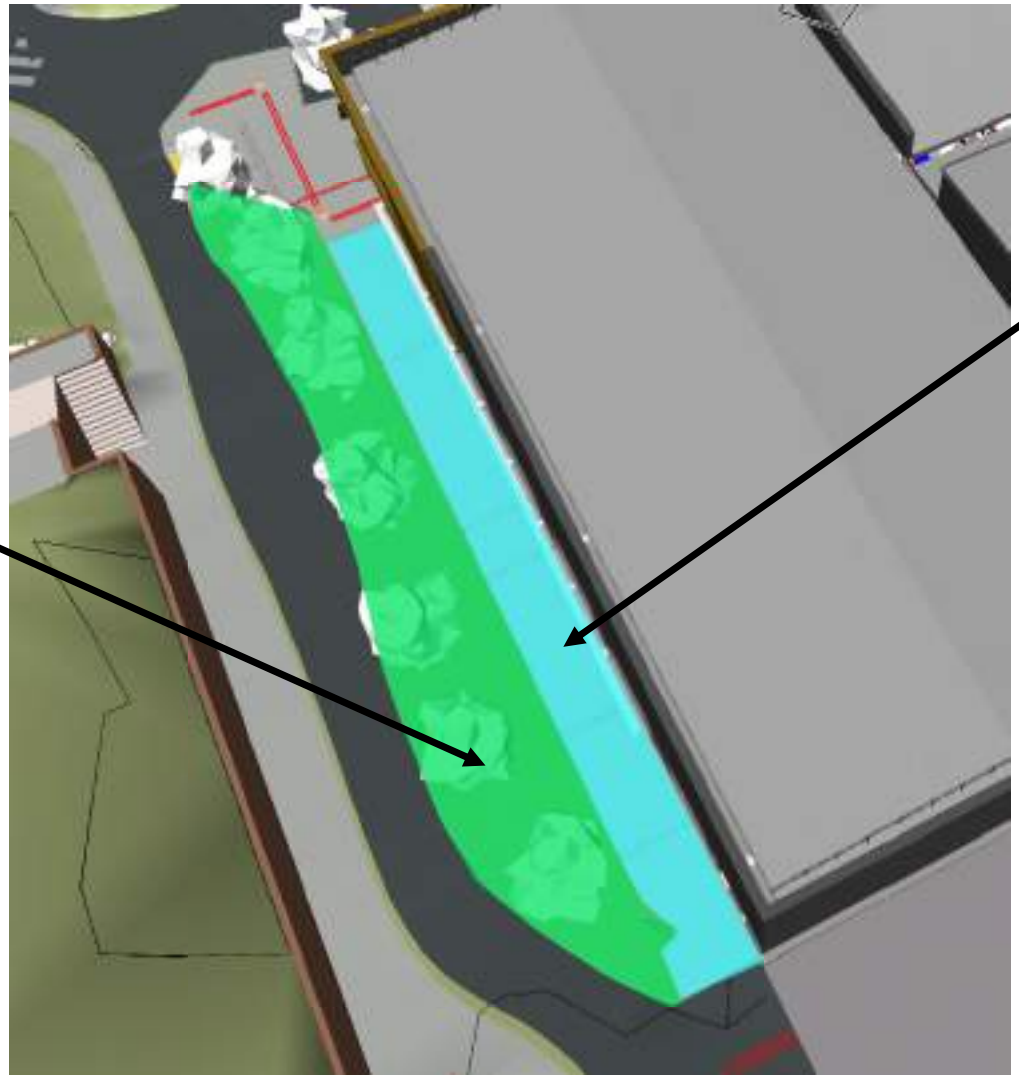
External Works

North Elevation



External Works

East Elevation



External Works

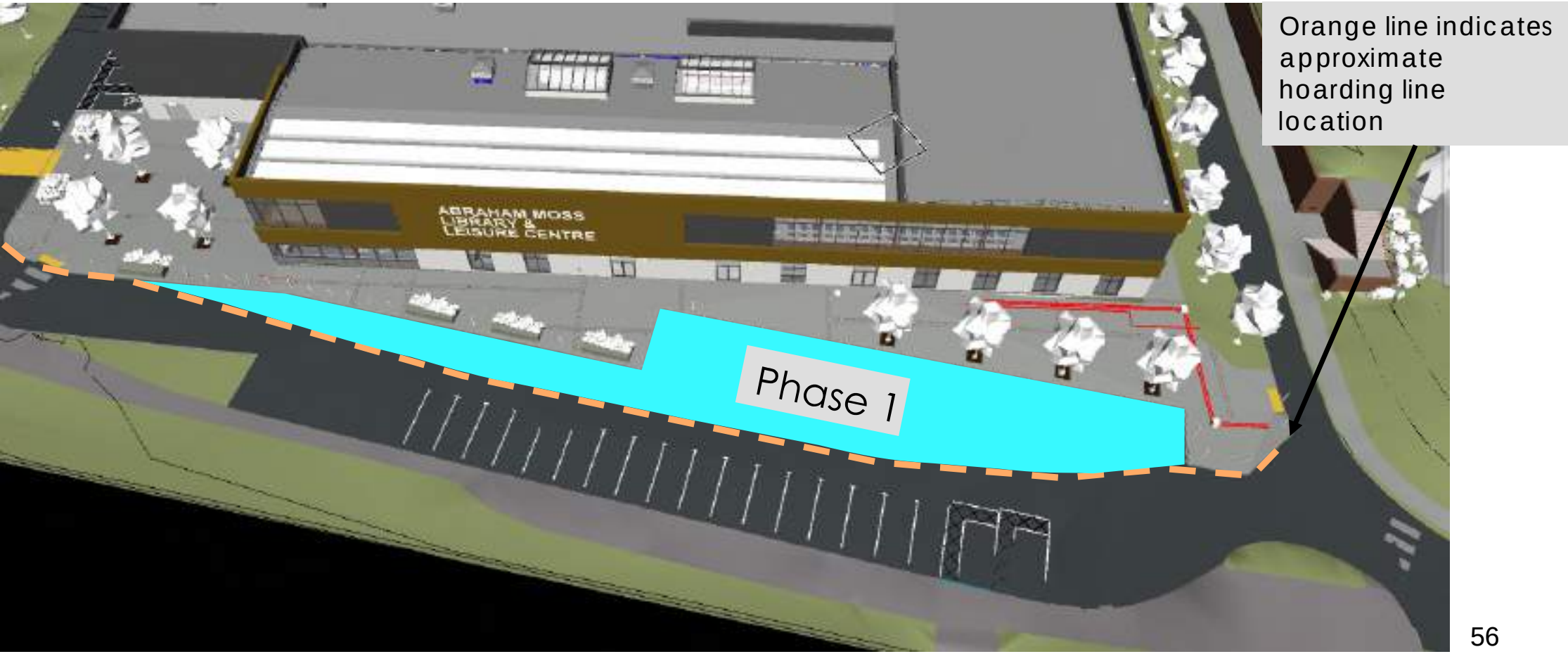
South Elevation

External Works

South Elevation

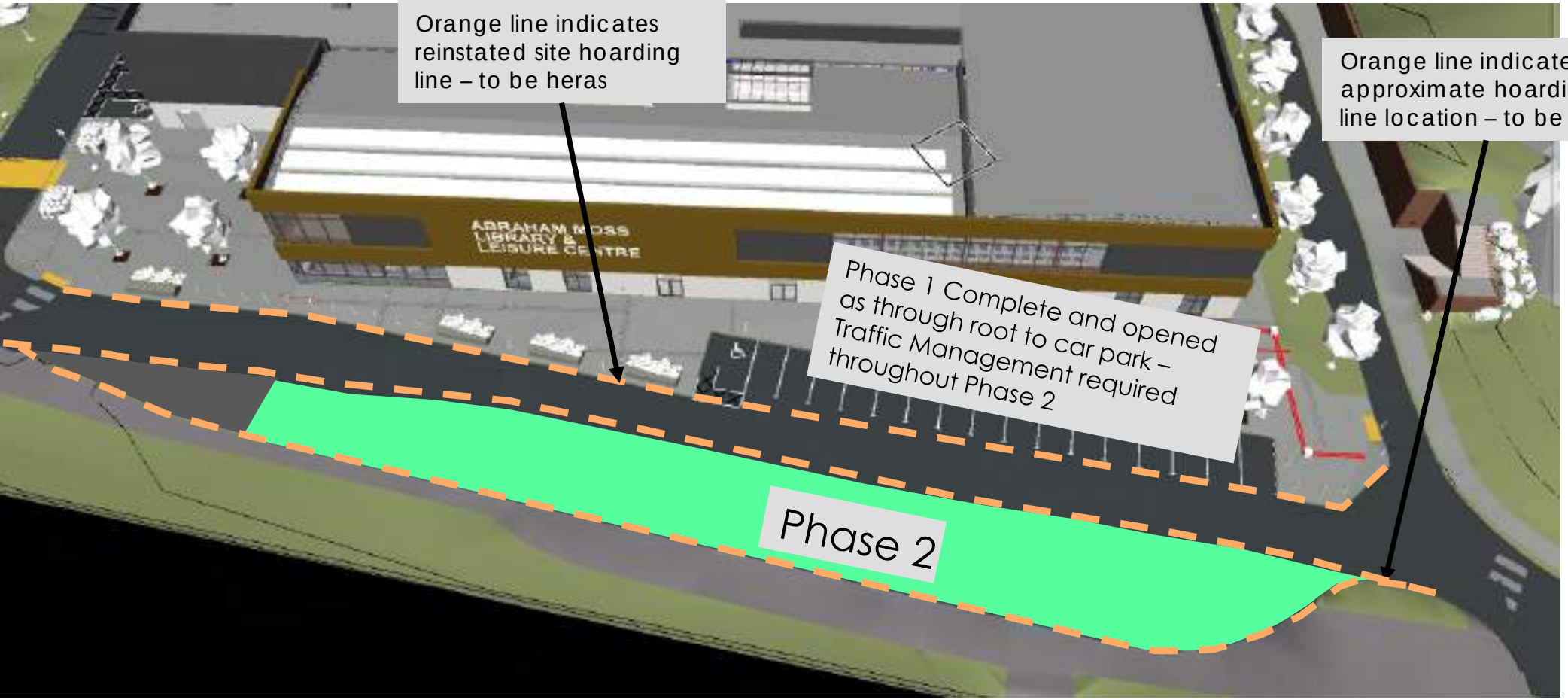
External Works

South Elevation



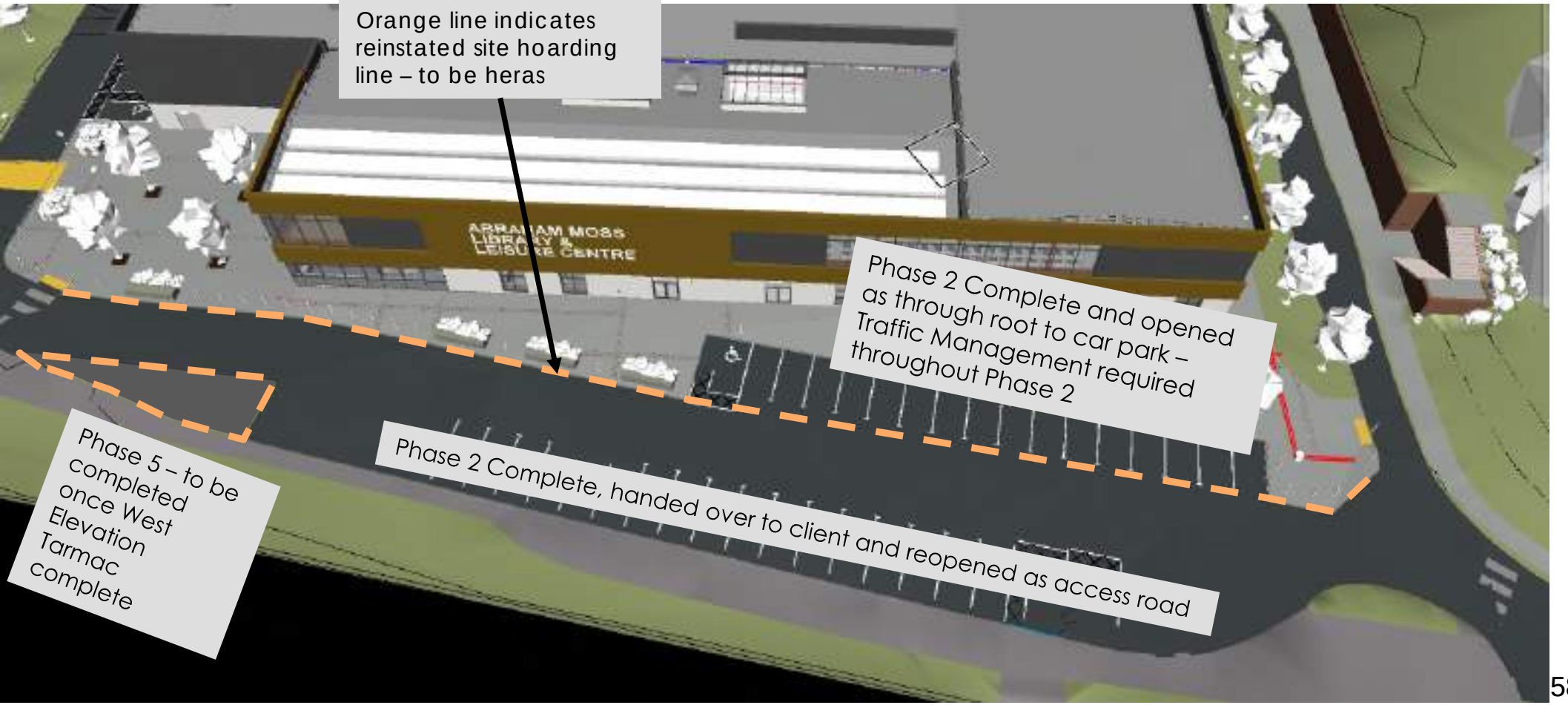
External Works

South Elevation



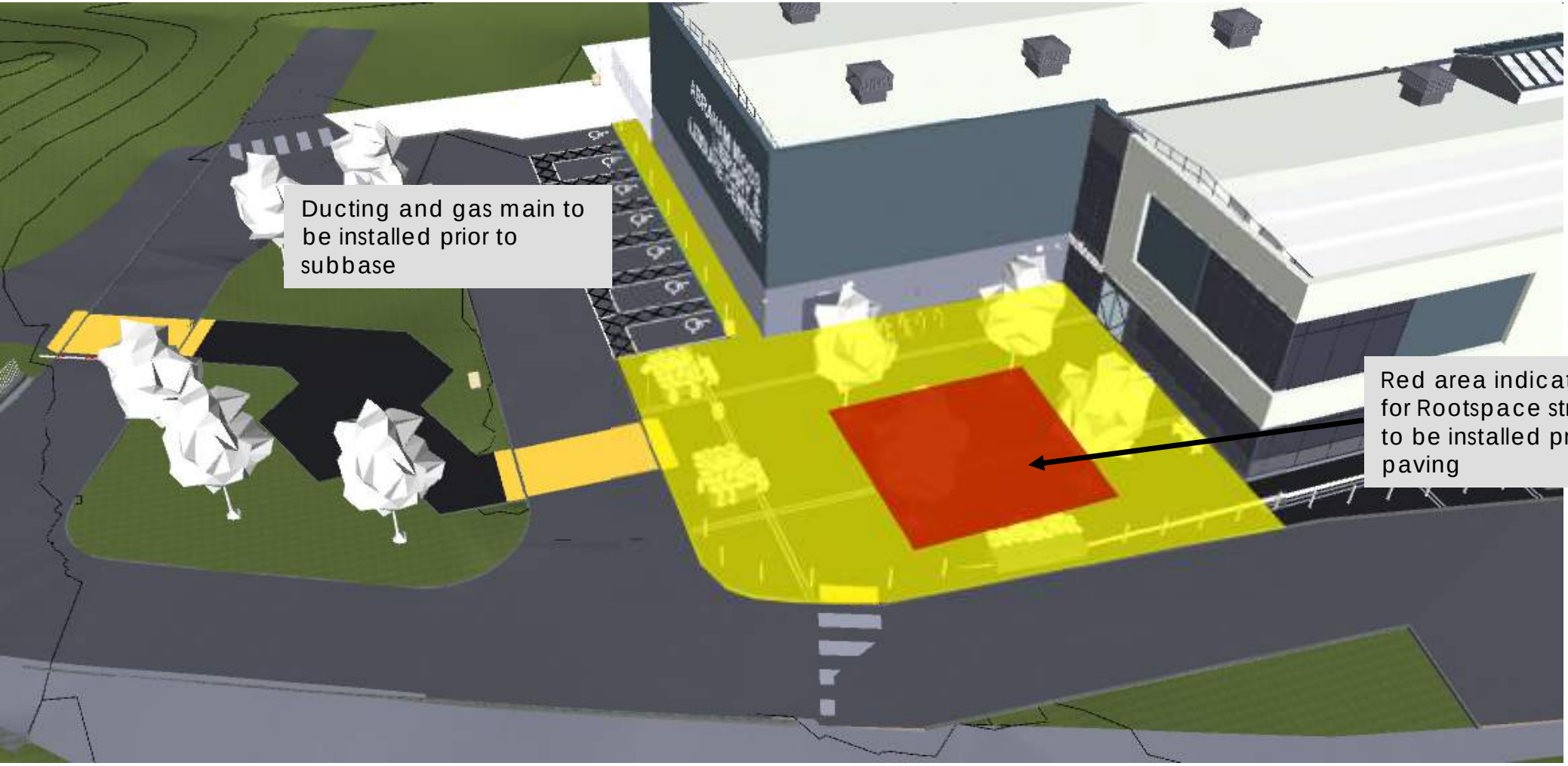
External Works

South Elevation



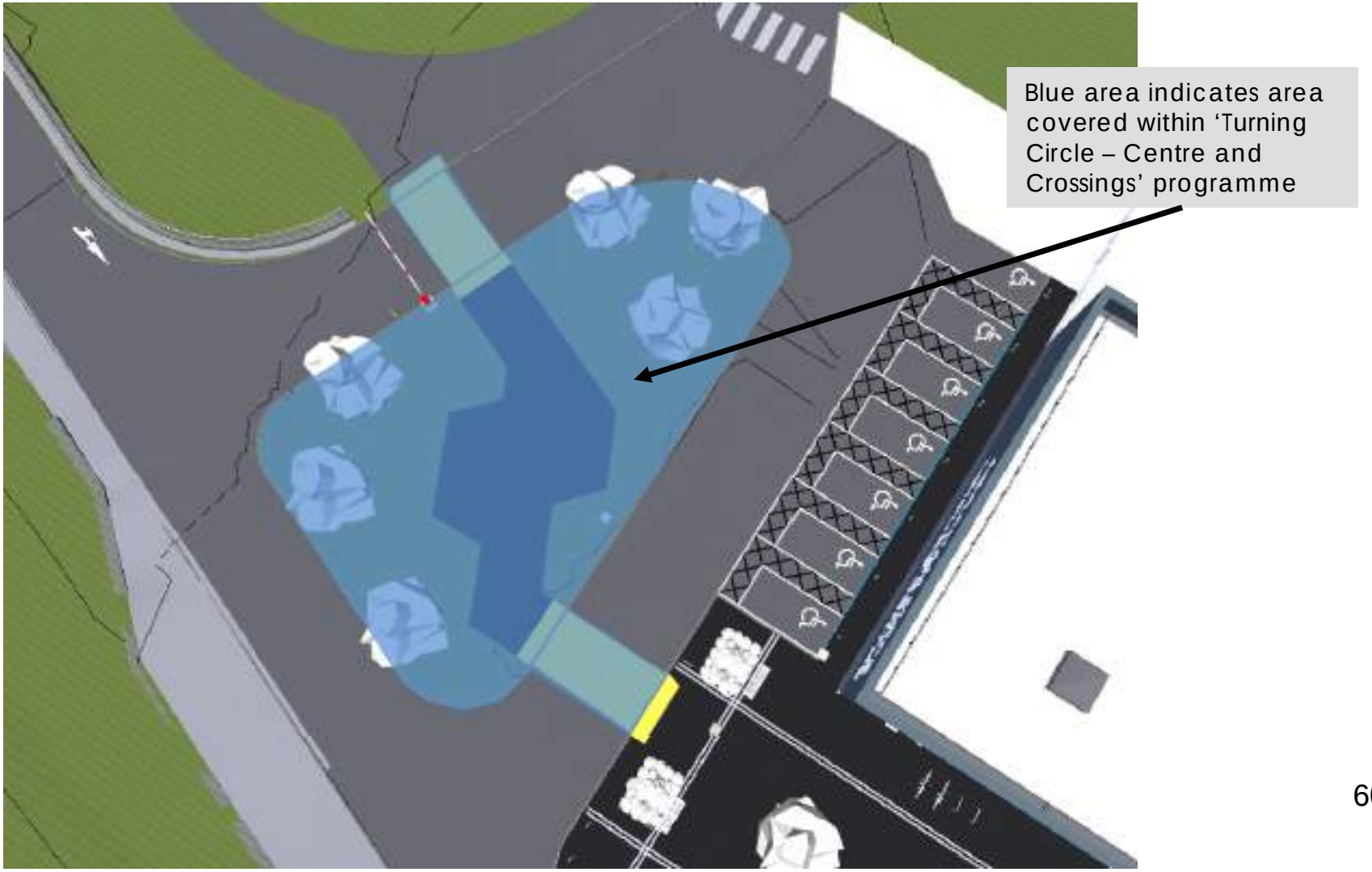
External Works

West Elevation



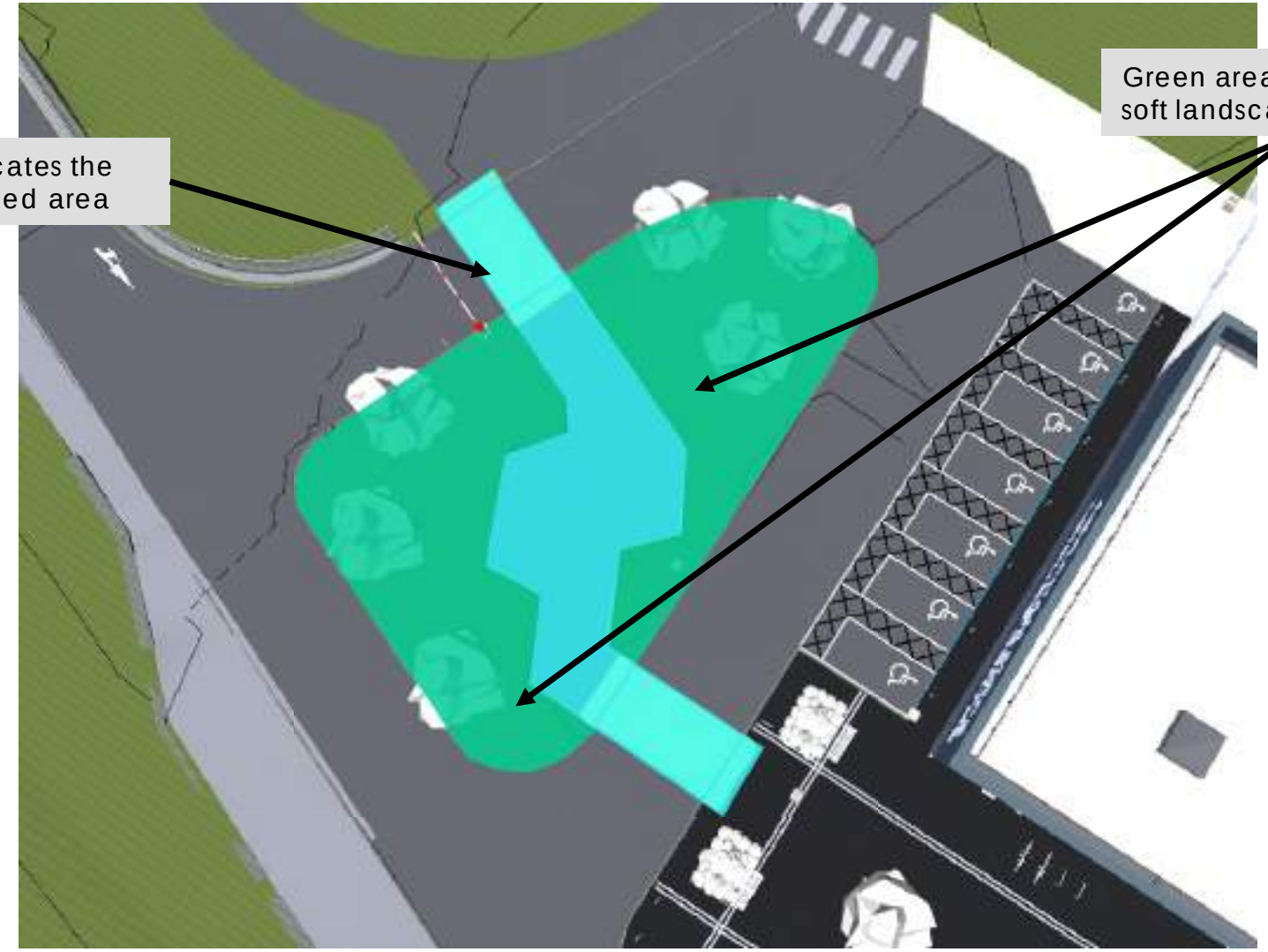
External Works

West Elevation



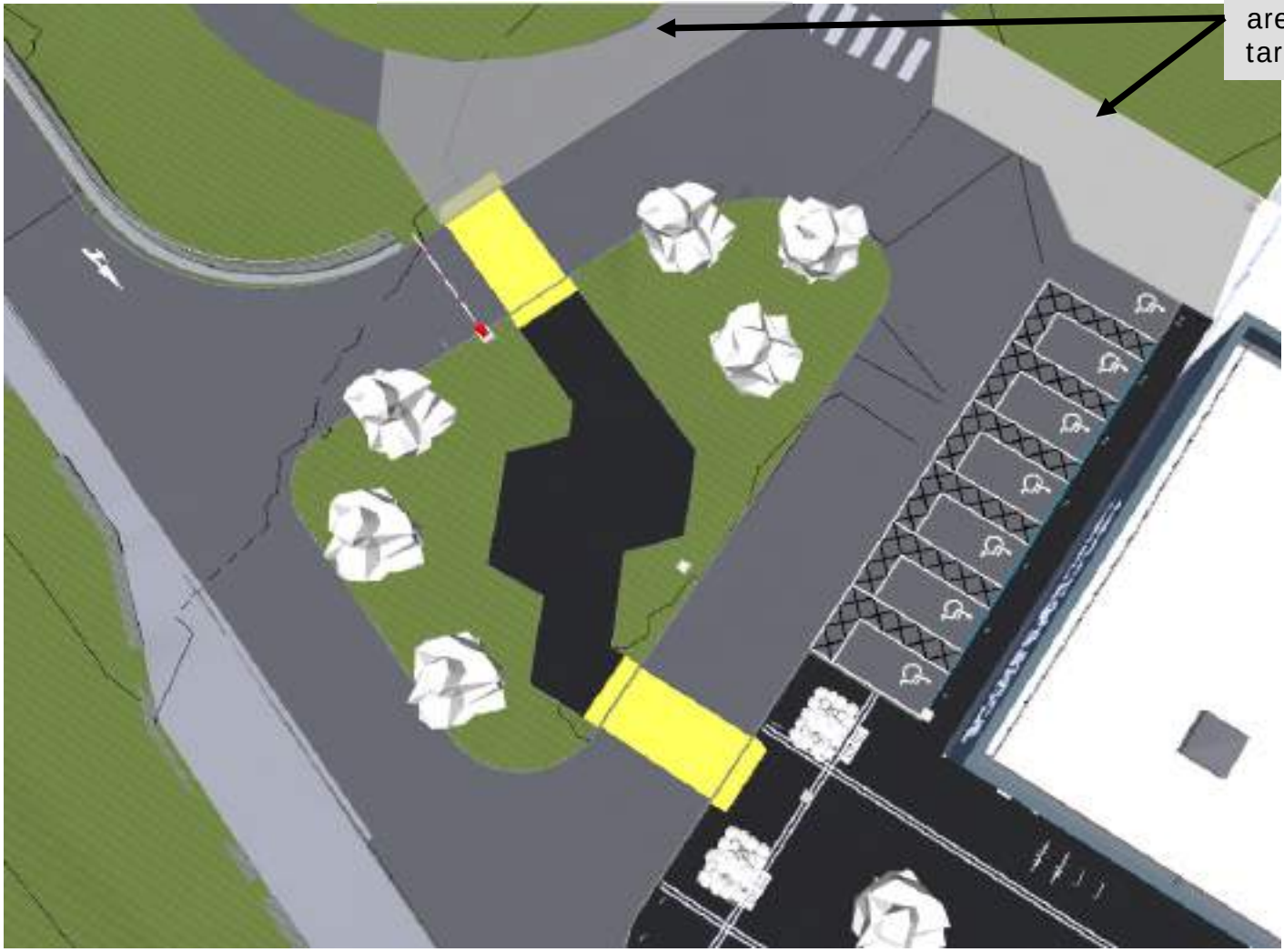
External Works

West Elevation



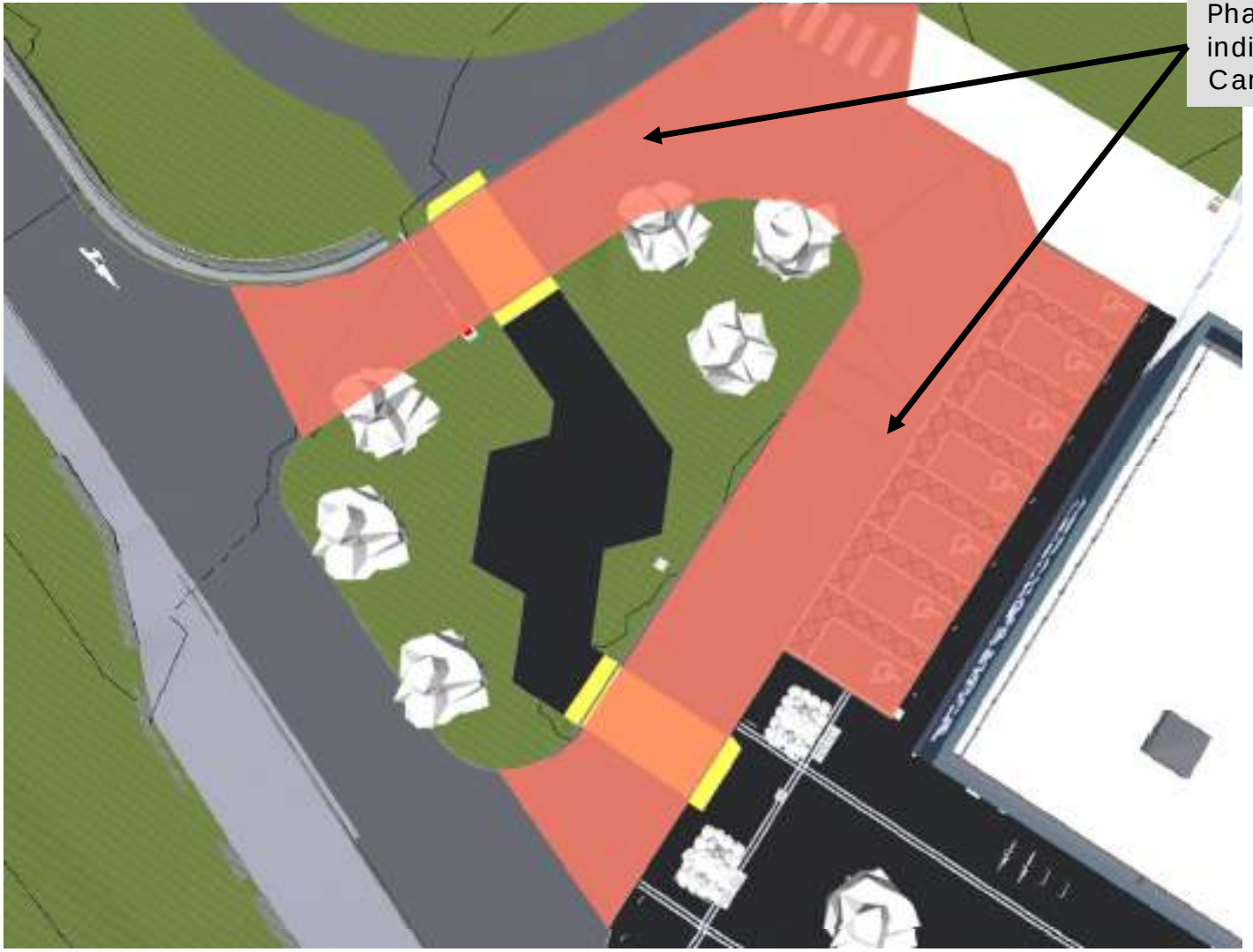
External Works

West Elevation



External Works

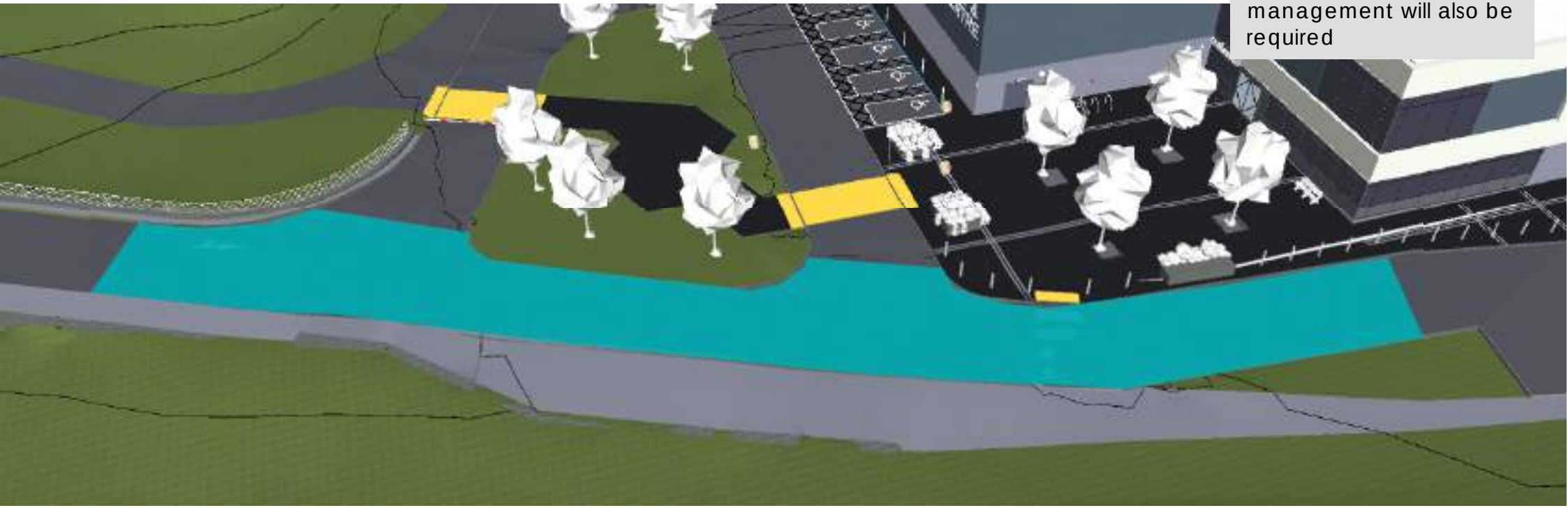
West Elevation



External Works

West Elevation

Phase 4 – Blue area indicates area for resurfacing to be complete as overnight works. Traffic management will also be required



External Works

West Elevation

Phase 5 – Red area indicates area for reinstatement, including pedestrian barriers, kerbs and tarmac.