



RISK ASSESSMENT METHOD STATEMENT (RAMS)

7 KELVIN STREET STABILISATION

RAMS Document Number:
PCS-RAMS-42TS-004_00
22 June 2022

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This method statement is to be reviewed and approved by the PC and the appointed safety officer prior to work commencing.

REVISION SCHEDULE

REVISION	AUTHOR	AMENDMENTS	APPROVED BY	DATE
00	AL	First Submission	SC	22/06/22

APPENDICES

Appendix A – Scaffolding Modification Sequencing

Appendix B – Risk Assessment

Appendix C – Logistics Plan

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1.0 INTRODUCTION

This method statement outlines the procedures for the stabilisation works for the 7 Kelvin Street listed structure at the 42-50 Thomas Street project.

The aim of the works is as follows:

- To install temporary works to the existing 7 Kelvin Street structure to ensure that it remains stable and prevents risk of further collapse so that the permanent works remedials and final design features can be constructed

Key notes:

- *This RAMS is for the sequence of works and a separate scaffolding RAMS will be need to be submitted by the appointed Subcontractor for the physical scaffolding activities*
- The solution involves a combination of modification, replacement and removal of the existing scaffolding
- The final works requirements will be confirmed once the detailed design for the scaffolding is developed from the current concept design and performance specification

The objective of this Method Statement is to provide and document a safe working procedure for employees of the company and other site operatives who may be affected by the work.

A risk assessment for the relevant tasks can be found in **Appendix B**.

Scope of Works:	7 Kelvin Street Stabilisation
Planned Start Date:	3 rd August 2022
Planned Duration:	7 days
Number of Personnel:	4 scaffolders, 1 site manager, 1 temporary works supervisor
Site Address:	42-50 Thomas Street Manchester, UK

2.0 REFERENCES

- Relevant Project Specifications
- TST-REN-B-ZZ-DR-S-01100 7KS Temp Works Concept Design
- TST-REN-B-ZZ-SP-S-01100 7KS Temporary Works Performance Specification
- Renaissance Structural Condition Survey Report

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- TST-REN-0-XX-SP-S-00060 Vibration and Movement Monitoring Performance Specification
- National Access and Scaffolding Confederation (NASC) Guidelines
- CDM (Construction Design and Management) 2007 Regulations
- Advice and guidance provided by the Health and Safety Executive
- The Health and Safety at Work Act 1974

3.0 RESPONSIBILITIES

Construction Manager

The Project/Site Manager has the overall responsibility for the implementation of this method statement and other relevant project plans & procedure, as well as allocating adequate resources to accomplish the works stated in the contract as per the contract schedule. They will also ensure that the work and activities are executed onsite in accordance with this method statement, relevant project plans and procedures.

Site Foreman / Engineer

The Site Engineer has the responsibility for the implementation of this method statement and all required technical procedures onsite while being aware of and implementing all other relevant project plans & procedure. They will also ensure the allocated resources are working to execute the works to the required standards and schedules whilst ensuring the risks and corresponding mitigations / controls are being addressed.

Safety Officer

The Safety Officer will be the safety representative for the activities ensuring the implementation of all related safety procedures are in line with the Project Safety Plan and will ensure the works are progressing in a safe manner.

QA/QC Engineer

The QA / QC Engineer shall ensure that works are carried out as per project's specification and the approved procedure/Method of Statement. QA/QC Engineer Responsibility to notifying the engineer for inspection and tests as per ITP if required. They will issue Non-Conformance Reports (NCRs) for any works which has not been completed according to project documentation.

4.0 GENERAL REQUIREMENTS

All requirements provided of the relevant project specification are to be followed in addition to:

- All site operatives to be given site induction and Method Statement briefings and to attended regular toolbox talks (at least weekly).

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- CITB/CSCS certification or equivalent as a minimum requirement for all personnel on site.
- All site personnel are to be familiar with the latest government Covid 19 guidelines and requirements
- All required tools are available and in good condition with relevant certification.
- All machinery, compressors, pneumatic tools etc will be fitted with silencers of approved types.
- All team members are in possession of required / recommended PPE.
- Access platforms, scaffolding, cranes, and lifting equipment to be checked regularly in accordance with current regulations.
- Stringent fire precautions to be implemented and safe, clear paths for egress are to be maintained at all times
- First Aiders, Appointed Persons and First Aid kit(s) commensurate with the total number of site personnel to be maintained on site.
- Should any unforeseen circumstances arise which prevent the works from being carried out, the works shall cease, and all operatives are to regroup and reassess actions to move forward. This may include revising and resubmitting the method statement depending on the severity of the changes required.
- Any amendments to the Method Statement to be agreed and updated/approved prior to execution.

The following PPE is compulsory and must comply with the following standards:

- Steel toe capped/mid soled boots - EN ISO 20345
- Hard Hat – EN 397:1995
- Hi Visibility Vest – EN471:2003 + A1 2007
- Gloves – Standard/Soft Strip EN 388 2121. Hot Works EN388:2003 4244 Sharps EN388:2003 4544. Anti-Vibration EN388:2003
- Safety Eye Protection – standard CE EN 166 FT Certified. For Hot works EN175 F
- Safety harness for working at heights

The following PPE is to be used as and when necessary:

- Ear Protection Ear Plugs CEN352-2 and Hearing Protectors EN352-1:2002

The following RPE is to be used as and when necessary:

- RPE (respiratory protective equipment) – Half face Sundstrom SR100 EN 140:1998

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5.0 TASK SPECIFIC REQUIREMENTS

All requirements provided of the relevant project specification are to be followed in addition to:

- The project Temporary Works Supervisor / Coordinator is to ensure that all design information is fully developed and Category 2 design checks completed prior to works commencing
- Refer to Subcontractor's scaffold RAMS for further details which is to follow NASC SG7:19 guidelines.
- All of the works are to be under the direct control of experienced scaffolding foremen and managers.
- CISRS certification or equivalent as a minimum requirement for personnel on site.
- All works at height, as far as practicable, are to be carried out utilising scaffold towers in full compliance with current regulations and NASC SG4:15 and TG20:13 guidelines.
- All scaffolding to be erected and tagged by trained, competent scaffolders in accordance with current regulations and NASC guidelines.

6.0 LOGISTICS / WELFARE / EMERGENCY PROCEDURE

- Refer to logistics plan in **Appendix C**.
- Vehicle access/egress as shown on logistics plan
- Site welfare facilities as shown on logistics plan, they are to include:
 - Toilet and hand wash
 - Mess facilities
 - First aid facilities
- Emergency procedure:
 - In the event of an emergency, all site personnel are to assemble at the emergency assembly (muster) point as identified on the logistics plan for the Stage 1 demolition works and remain there until the PC representative confirms it is safe to do so

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7.0 MATERIALS, PLANT AND EQUIPMENT

Materials

- Scaffold tubes, fittings and boards
- Ladders
- Post-fixed anchors

Plant and Equipment

- Gin wheels and ropes (if required)
- Masonry drills

8.0 SEQUENCE OF WORKS

1. Obtain written confirmation from the PC to commence the demolition works.
2. Once pre-start checks and site safety formalities including tool-box talks have been completed, personnel may proceed with the scaffolding works.
3. The methodology of works is outlined below:
 - a. Loose areas of brickwork to building perimeter are to be either secured or removed to reduce risk of falling masonry
 - b. Movement monitoring datum points to be installed and initial readings taken prior to scaffold modification works taking place.
 - c. Existing scaffold birdcage to be modified to provide plan braces at the levels and locations shown and vertical through propping of the primary roof structures and floor beams – Refer to **Appendix A** for sequence drawings
 - d. Once scaffolding modification and additions are complete and verified the redundant internal scaffolding can be removed to allow more access space
 - e. Once scaffold modifications are fully complete, a final inspection and handover document is to be produced to finalise the works and confirm that the structure is being adequately supported

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9.0 DOCUMENT RECORDS

Records should be kept of the activities completed including (but not limited to):

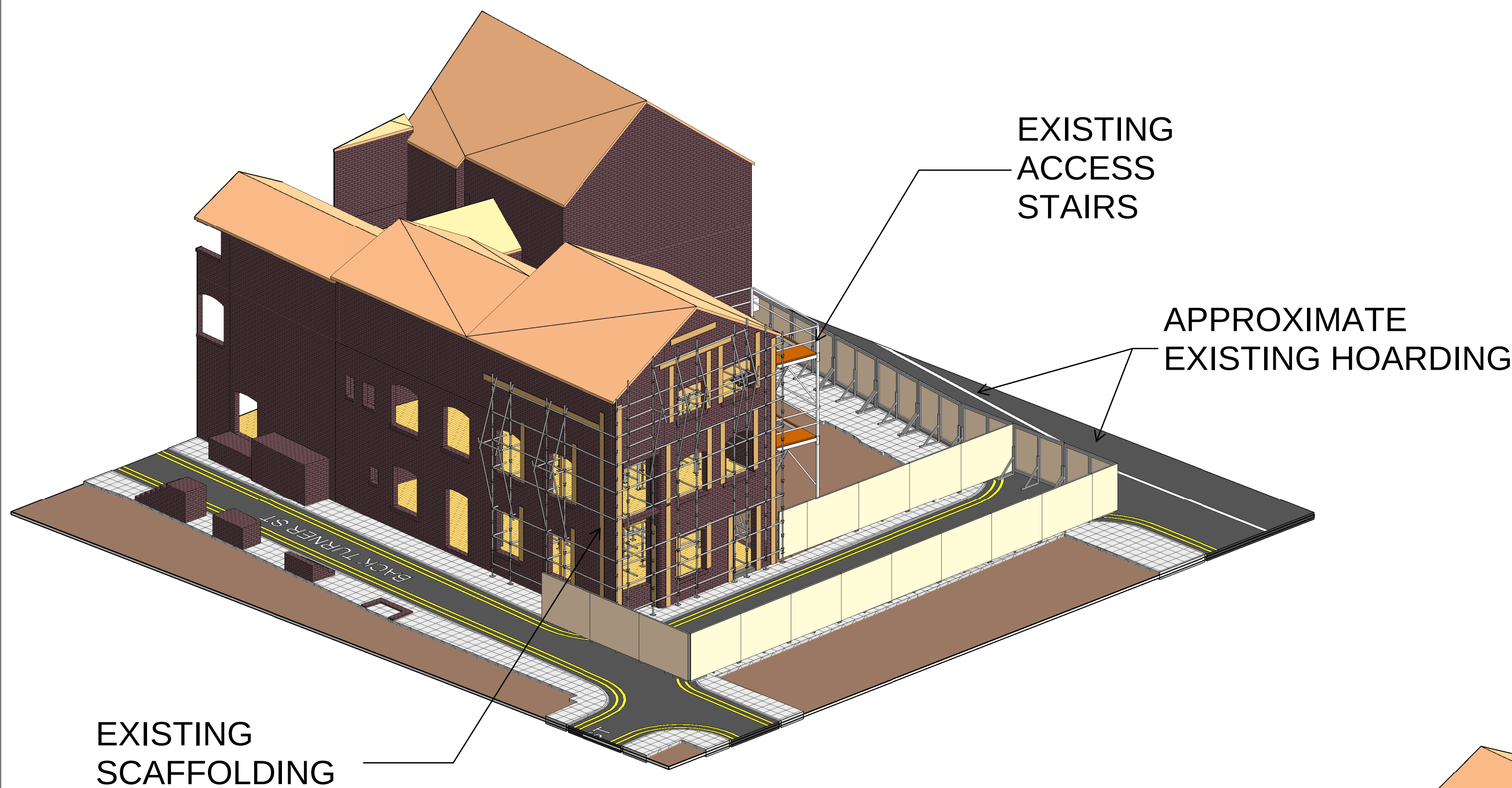
- Approved design drawings with Cat 2 check certificates
- Inspection and handover certificates
- Relevant specifications
- Material safety data sheets
- Permits to work
- As-built documentation

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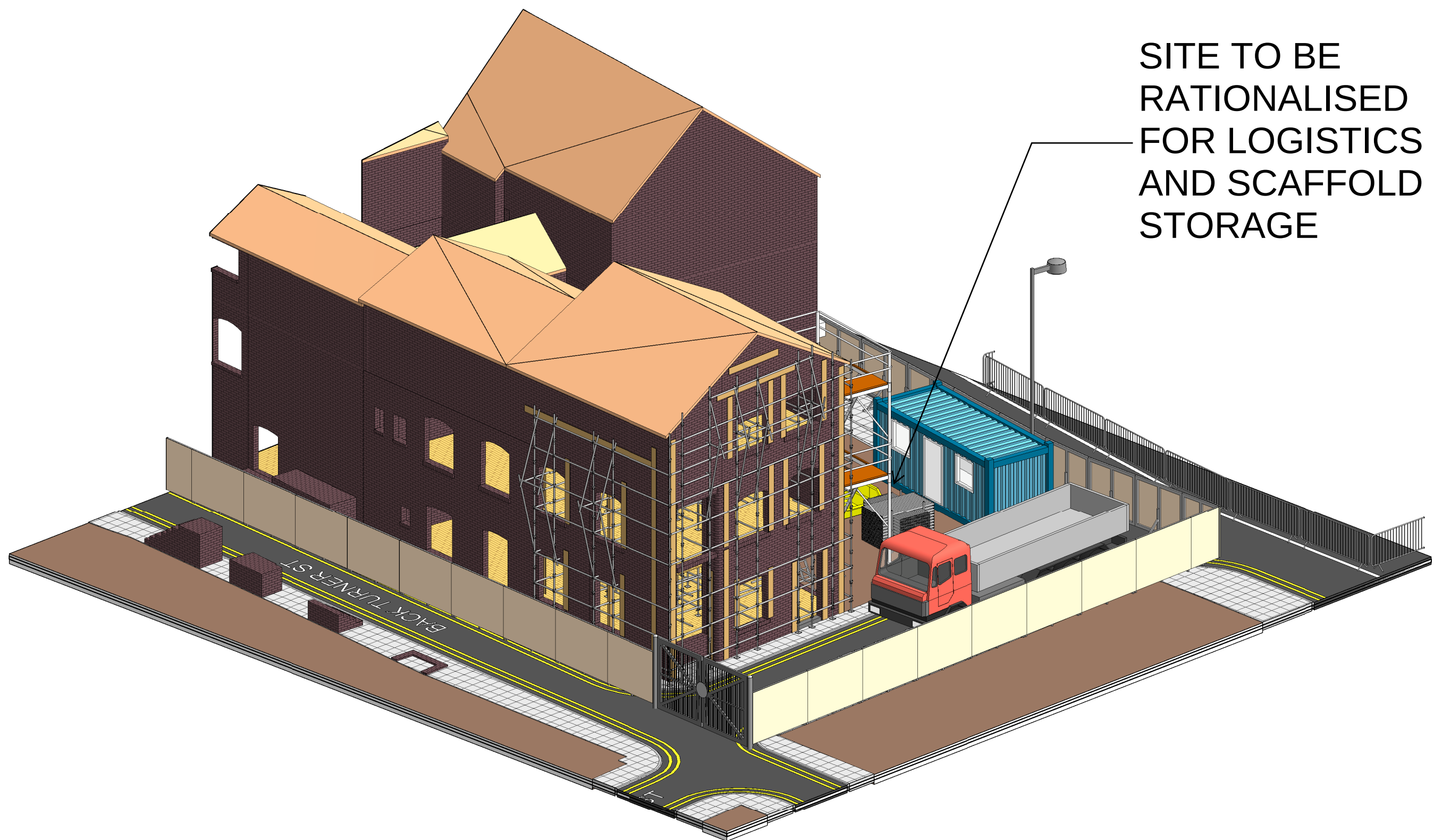
APPENDIX A

Scaffold Modification Sequencing

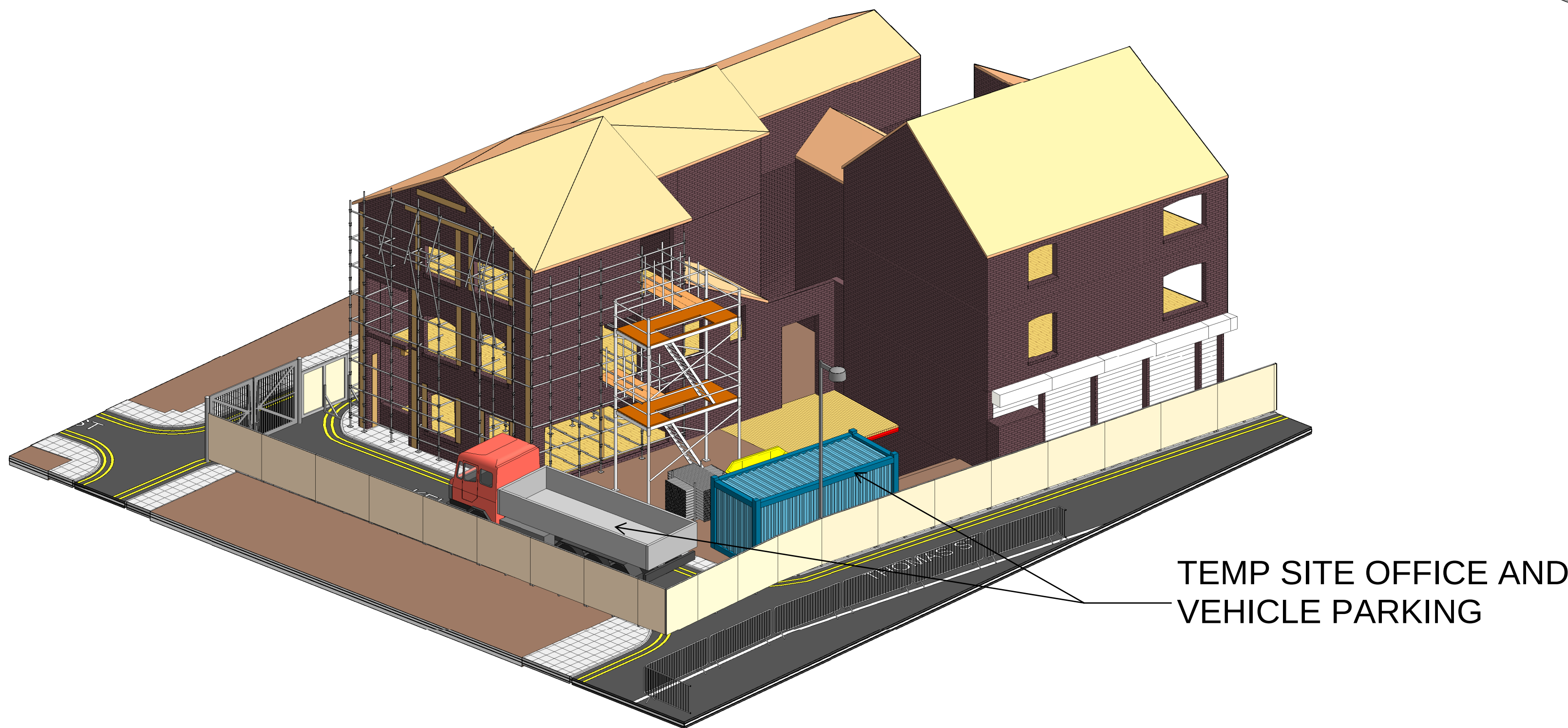
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STAGE 0 - CURRENT CONDITION



STAGE 1A - INITIAL WORKS (VIEW 2)



STAGE 1A - INITIAL WORKS (VIEW 1)

NOTE:
- REFER TO PCS-RAMS-42TS-004 FOR ALL OTHER INFORMATION AND REFERENCES

GENERAL NOTES
1. DO NOT SCALE DRAWING.

Rev	Date	Description	Dra	App
A	22.06.22	ISSUED FOR INFORMATION	JV	AL

Revision Schedule				

DEVELOPER

CONSULTANT



CLIENT



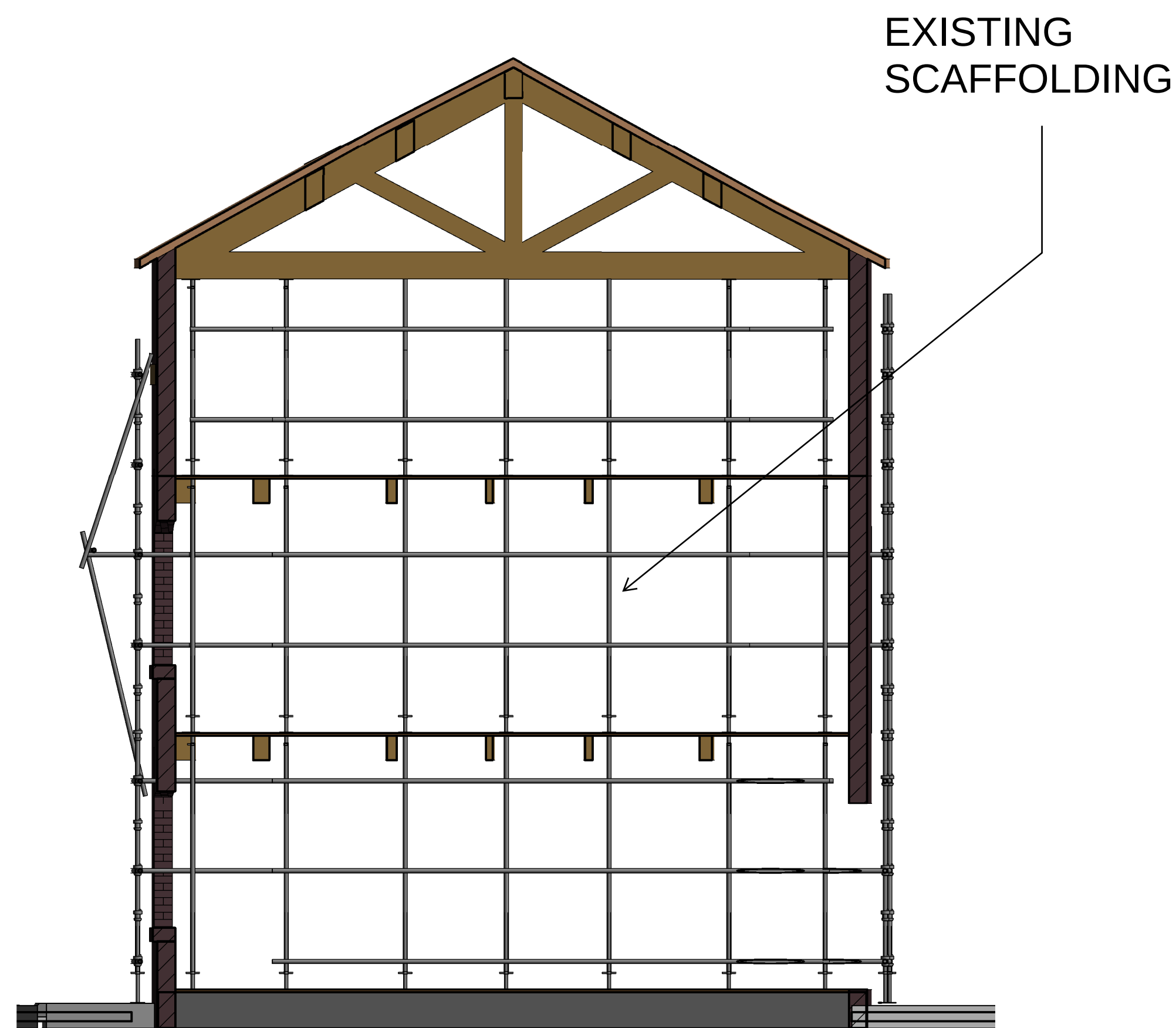
PROJECT

42-50 THOMAS STREET

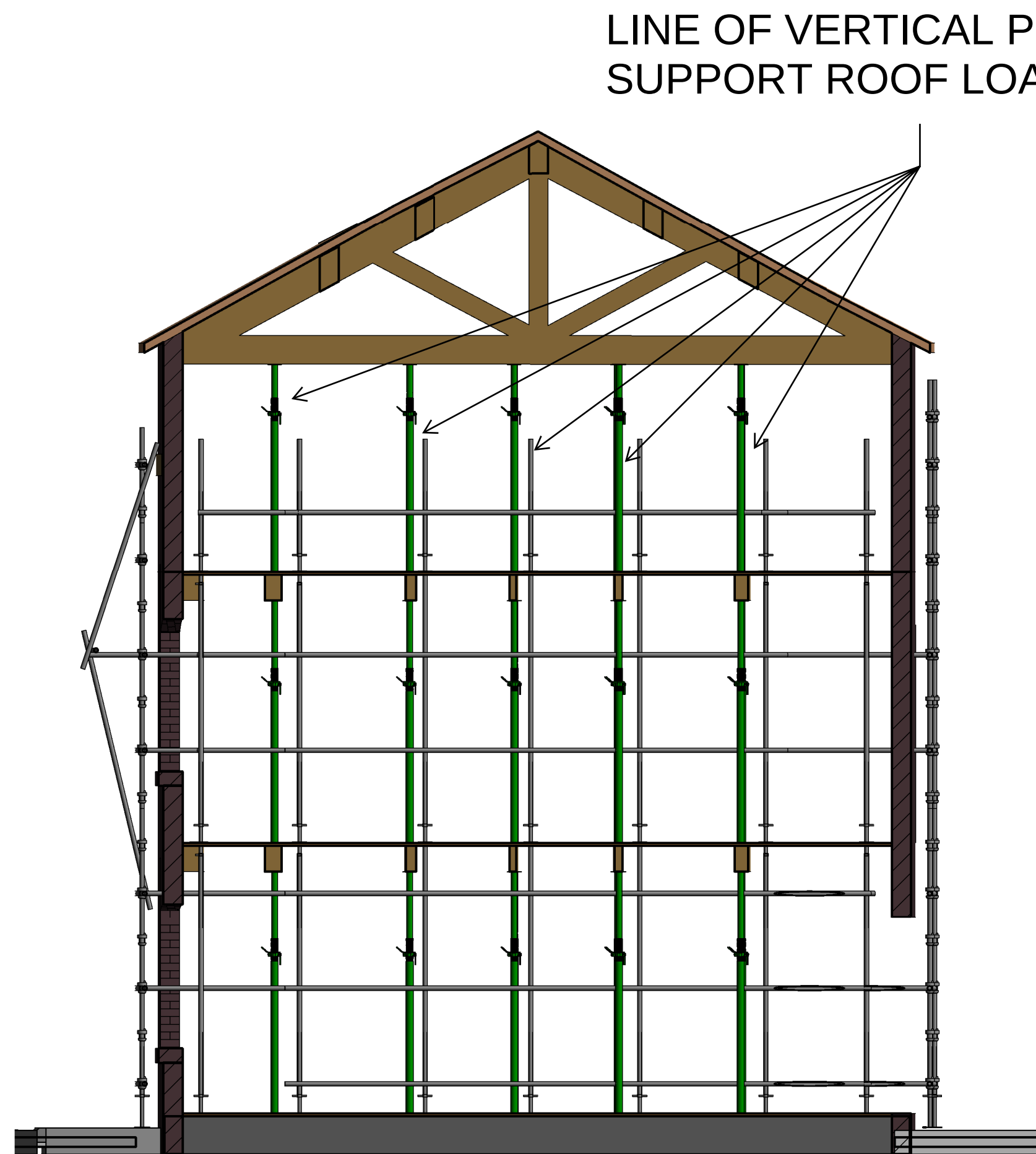
DRAWING TITLE

7 KELVIN STREET
STABILISATION
SEQUENCING - SHEET 1

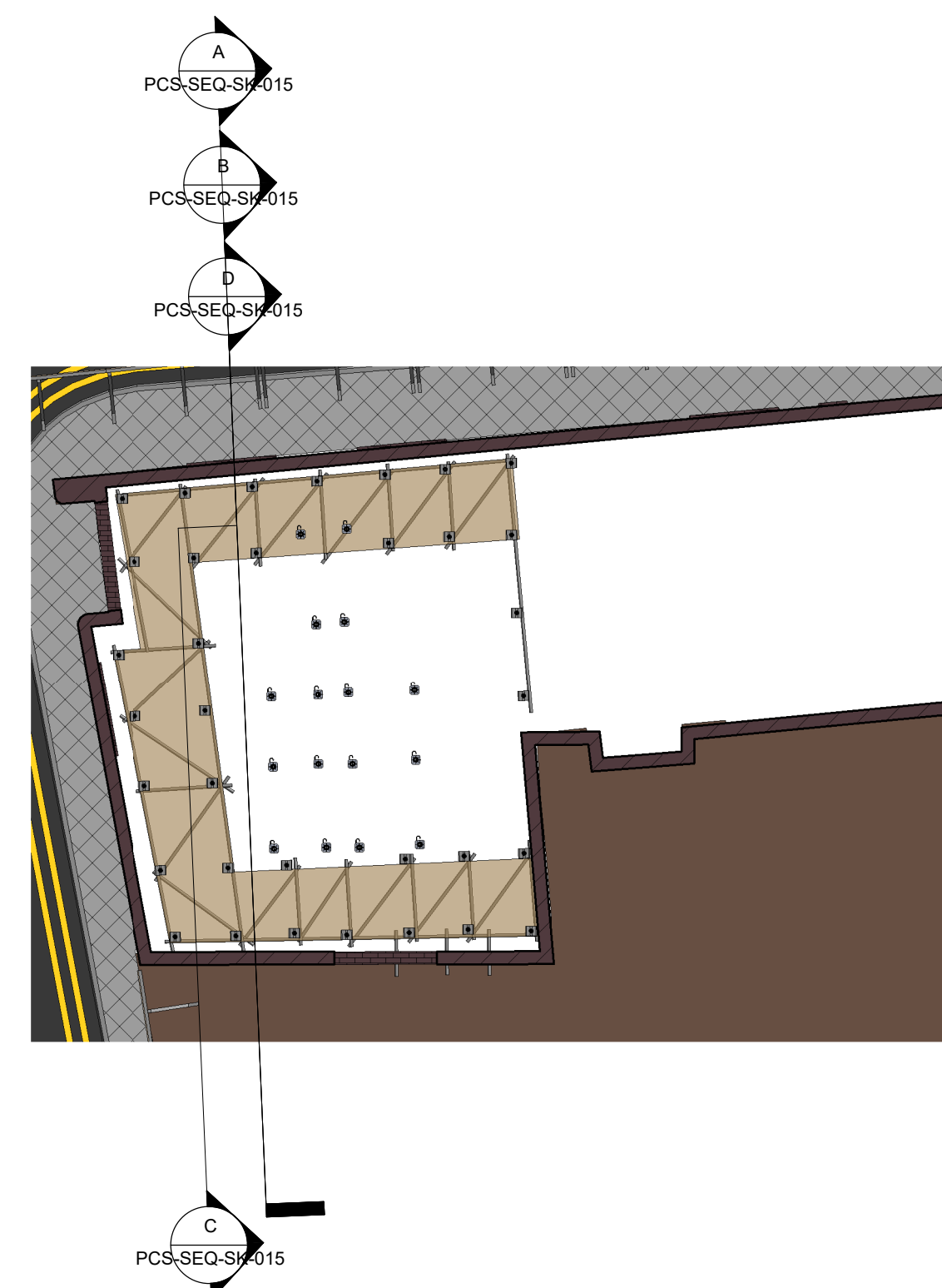
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Level:-	Location:-	Zone:-	Scale:- NTS
Drawing Number PCS-SEQ-SK-014			REV. A



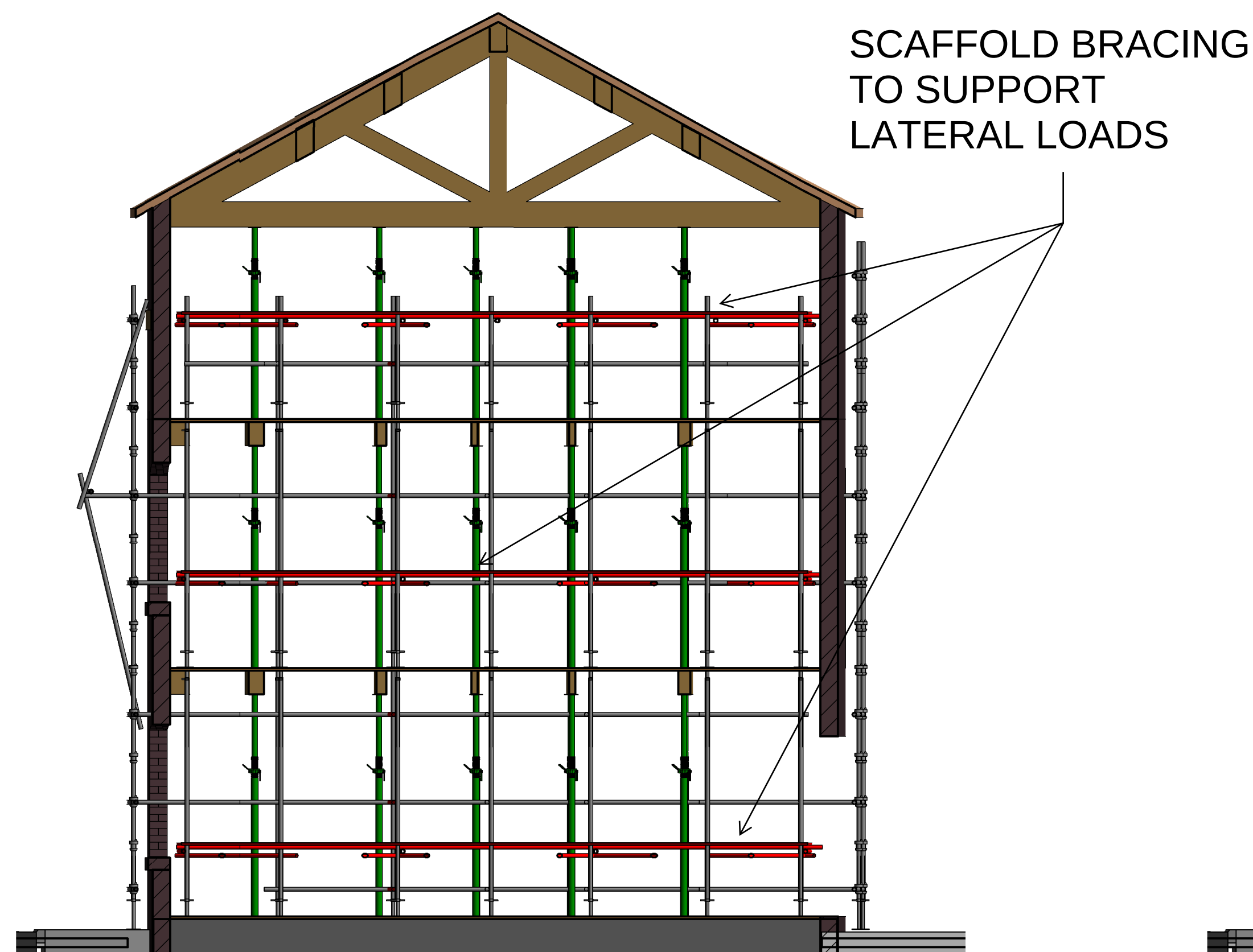
A SECTION 1 : 50 STAGE 0 - CURRENT CONDITION



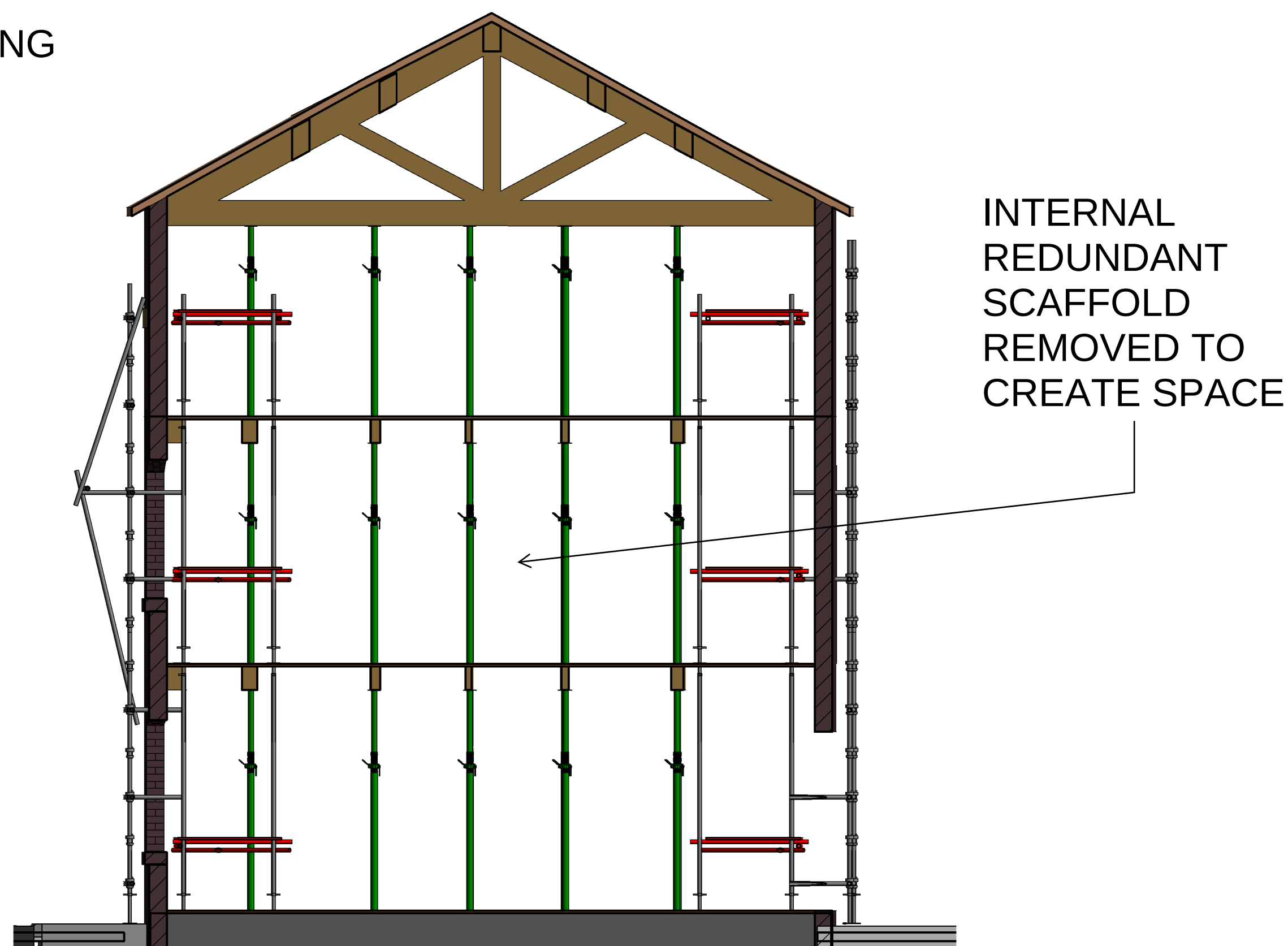
B SECTION 1 : 50 STAGE 2 - INSTALL PROPS



1 KEY PLAN 1 : 100



C SECTION 1 : 50 STAGE 3 - INSTALL BRACING



D SECTION 1 : 50 STAGE 4 - REMOVE REDUNDANT SCAFFOLD

GENERAL NOTES

1. DO NOT SCALE DRAWING.

Rev	Date	Description	Dra	App
A	22.06.22	ISSUED FOR INFORMATION	JV	AL

Revision Schedule

DEVELOPER

CONSULTANT



CLIENT



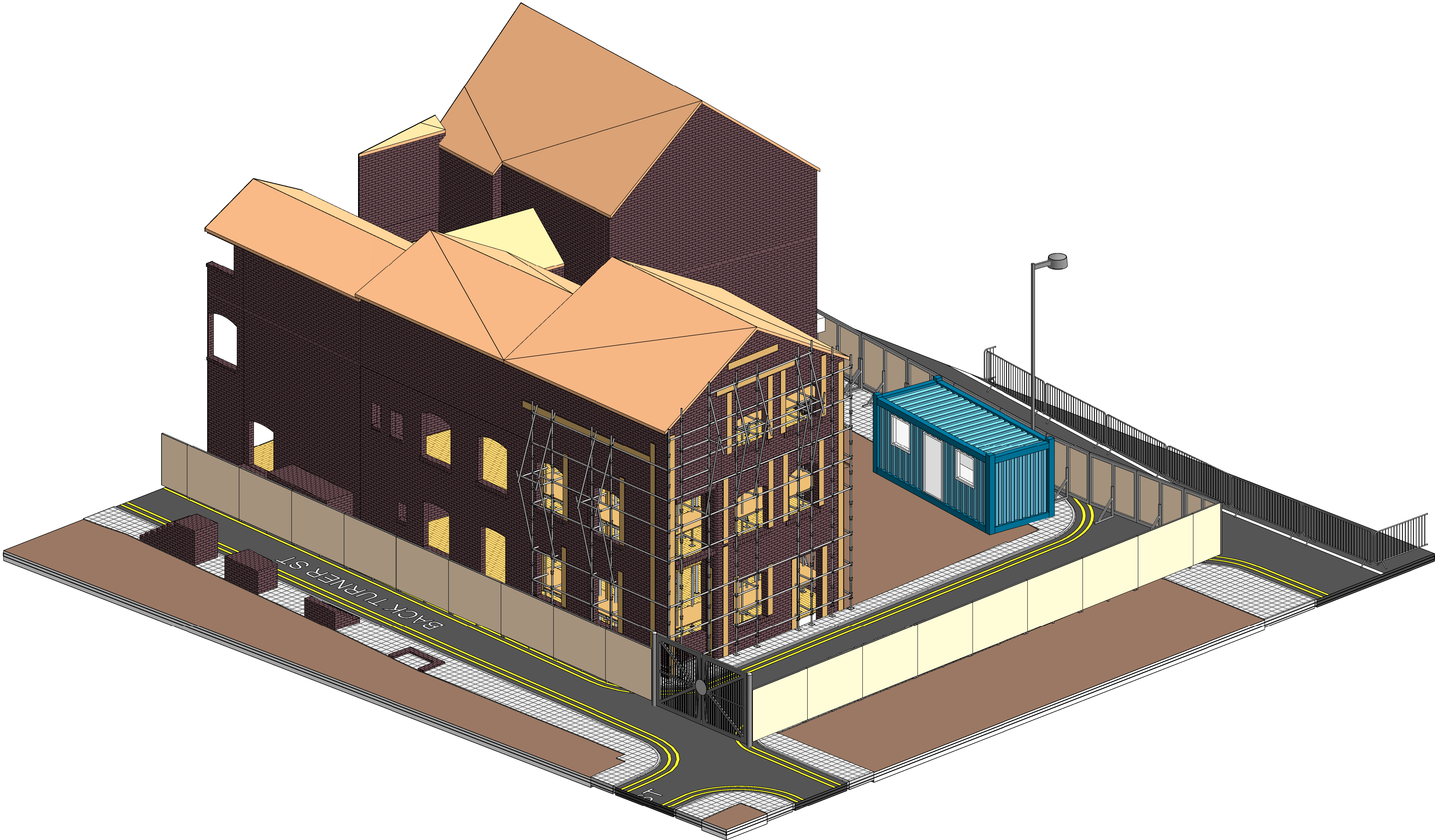
PROJECT

42-50 THOMAS STREET

DRAWING TITLE

**7 KELVIN STREET
STABILISATION
SEQUENCING - SHEET 2**

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Level:-	Location:-	Zone:-	Scale:- NTS
Drawing Number PCS-SEQ-SK-015			REV. A



STAGE 5 - FINAL CONDITION

NOTES:

- 7KS STRUCTURE IS NOW STABILISED AND FOLLOWING WORKS CAN COMMENCE (DEMOLITION, MAIN WORKS)
- STABILISING SCAFFOLD TO BE INSPECTED, SIGNED-OFF AND ROUTINELY RE-INSPECTED
- MOVEMENT AND VIBRATION MONITORING IS TO COMMENCE AS PER PERFORMANCE SPECIFICATION

GENERAL NOTES

1. DO NOT SCALE DRAWING.

Rev	Date	Description	Dra	App
A	22.06.22	ISSUED FOR INFORMATION	JV	AL

Revision Schedule

DEVELOPER

CONSULTANT



CLIENT



PROJECT

42-50 THOMAS STREET

DRAWING TITLE

7 KELVIN STREET
STABILISATION
SEQUENCING - SHEET 3

Drawn:- JV	Checked:- AL	Authorised:- PCS	Sheet:- 3 OF 3
Level:-	Location:-	Zone:-	Scale:- NTS

Drawing Number PCS-SEQ-SK-016	REV. A
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APPENDIX B

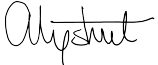
Risk Assessment

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 		RISK ASSESSMENT		PCS RA 42TS 003					
ACTIVITY:	7 Kelvin Street Scaffold Modifications	Rev No.	00						
		DATE	22/06/2022						
LOCATION:	Project Area	PROJECT:	42-50 Thomas Street						
EQUIPMENT TO BE USED		SUBSTANCES TO BE USED		REVISION STATUS					
- As per MS		None		REVISION NUMBER	REVISED DATE				
POTENTIAL HAZARDS / CONDITIONS CONSIDERED (TICK BOX)				PERSONS AT RISK (TICK BOX)					
☒ FALL FROM HEIGHT ☒ FALLING OF MATERIALS ☐ LIFTING OPERATION ☐ FIRE RISK		☐ ELECTRICITY ☒ MANUAL HANDLING ☐ COSHH ☒ ADVERSE WEATHER		☐ DEEP EXCAVATION ☒ SLIPS / TRIPPING ☐ ENVIRONMENTAL RISK ☐ GENERAL PUBLIC					
				☒ EMPLOYEES ☒ SUBCONTRACTORS ☒ VISITORS	☐ PUBLIC ☐ ☐				
MANDATORY HSE REQUIREMENTS (TICK BOX)									
☒ SAFETY INDUCTION ☒ TOOL BOX TALK ☒ PROPER PPE ☒ SAFE WORK PLACE		☒ WORK PERMIT ☒ PROPER TOOLS / EQUIPMENTS ☒ PROPER SUPERVISION ☒ PROPER BARRICADE AND WARNING SIGN IN THE AFFECTED AREA							
PERSONAL PROTECTIVE EQUIPMENT (PPE) REQUIREMENT (TICK BOX)									
☒ SAFETY HELMET ☒ SAFETY BOOTS ☒ GOGGLES / SPECTACLE		☒ GLOVES ☒ MASK ☐ OVERALLS		☐ EAR PLUGS / DEFENDERS ☐ RESPIRATORY / BREATHING APPARATUS ☒ FULL BODY SAFETY HARNESS					
TO REFER OTHER RISK ASSESSMENTS									
1. Refer to Scaffold Activities Risk Assessment for Scaffold Erection/Dismantling Risk Assessment									
2.									
3.									
4.									
RISK LEVEL									
H (HIGH) – Potential to cause death or permanent injury M (MEDIUM) – Potential to cause loss time injury L (LOW) – An injury treatable with First Aid									
LIKELIHOOD (L)	SEVERITY (S)	CLASS OF RISK (L X S)	RISK MATRIX						
1. HIGHLY IMPROBABLE. 2. REMOTE. 3. POSSIBLE. 4. OCCASIONAL. 5. FREQUENT.	1. NEGLIGIBLE. 2. MINOR. 3. REPORTABLE. 4. SERIOUS. 5. CATASTROPHIC.	HIGH = 15 - 25 MEDIUM = 07 - 14 LOW = 01 - 06	LIKELIHOOD (L)	5	5	10	15	20	25
				4	4	8	12	16	20
				3	3	6	9	12	15
				2	2	4	6	8	10
				1	1	2	3	4	5
				SEVERITY (S)					
NOTE: 1. Risk assessment must be addressed to workers by work in charge before starting job. 2. Risk assessment is a continuous process hence to be reviewed depending on activity and risk involved 3. The Site Manager is responsible for monitoring all site activities and associated risks									

		RISK ASSESSMENT					PCS RA 42TS 003		
ACTIVITY:		7 Kelvin Street Scaffold Modifications					Rev No: 00		
S. N.	HAZARD	HARM	RISK			CONTROL MEASURES	RESPONSIBILITY	RESIDUAL RISK	
			L	X	S				L
General Risks									
1	Transmission of Covid-19	Injury	4x2	8 (M)			- Follow latest government requirements for prevention of transmission of Covid-19 - May include social distancing, regular sanitisation of shared areas, wearing of masks, provision of hand sanitiser etc.	Supervisor	3x2 = 6 (L)
2	Adverse Weather	Material Damage, Injury	4x1	4 (L)			- Check the weather forecast before starting the works - Do not carry-out works in adverse weather conditions	Supervisor	3x1 = 3 (L)
3	Slips, Trips and Falls	Material Damage, Injury	3x3	9 (M)			- Ensure access/egress ways are kept clear at all times - Ensure access/egress ways are clearly marked and through recognised routes (i.e. ladders, stairs) - Ensure materials are stored correctly and removed as soon as practical - Ensure good level of task lighting - Ensure personnel are wearing safety footwear - Cover slippery walkways with anti-slip coatings	Personnel and Supervisor	4x1 = 4 (L)
4	Eye Injury	Serious Injury	3x4	12 (M)			All personnel to wear safety eyewear to BS EN 166 while on site	Personnel and Supervisor	2x3 = 6 (L)
5	Cuts and Abrasions	Injury	3x3	9 (M)			All personnel to wear protective gloves to EN 388 while on site	Personnel and Supervisor	2x3 = 6 (L)

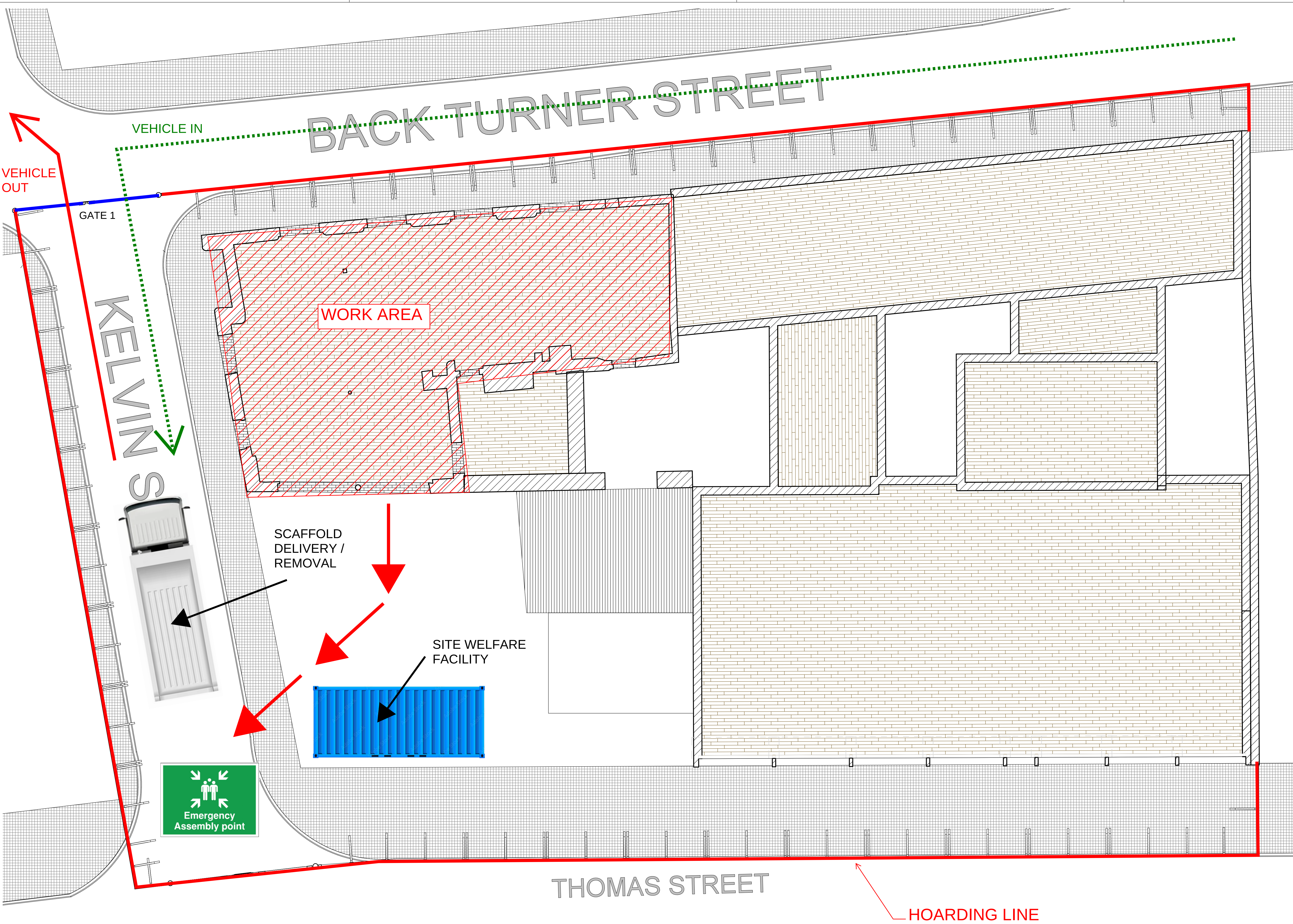
6	Sharps and Needles	Serious Injury	3x4	12 (M)	- All personnel to wear protective gloves to EN 420 while on site - Veritas to be 'on call' during the site inspection - Should anyone identify any sharps or needles on site, the specific area shall be temporarily cordoned-off until Veritas have attended site and appropriately disposed of sharps equipment.	Personnel and Supervisor	2x3 = 6 (L)
Working at Height Risks							
7	Fall of Parts / Materials / Tools	Material & Property Damage, Serious injury	3x3	9 (M)	- All personnel to remain within approved general access areas or safe working platform and to only operate where handrails and toe boards are installed - Lanyards must be provided to all tools and loose accessories and to be secured correctly	Personnel and Supervisor	2x3 = 6 (L)
8	Fall of Personnel	Serious injury, Fatality	3x5	15 (H)	- All personnel to remain within approved general access areas or safe working platform and to only operate where handrails and toe boards are installed - Personnel at all times to proceed slowly and with caution - Should any personnel need to access areas without handrails, further Risk Assessments and controls to be developed and implemented for working at heights	Personnel and Supervisor	2x5 = 10 (M)
9	Collapse of Access Scaffold	Serious injury, Fatality	3x4	12 (M)	- Ensure all scaffolding is suitably designed and design drawings are available on site - Ensure all scaffolding is installed as per design - If any scaffold installed on site is not accompanied with a set of scaffold design drawings, or not signed-off by the scaffold supplier, it shall not be used under any circumstances	Scaffold Supplier	2x4 = 8 (M)
Portable Power Tools Risks							
10	Injury from poorly maintained or incorrectly used portable tools	Serious Injury	3x4	12 (M)	- Ensure only trained, experienced personnel are used - Establish exclusion zone to limit personnel access to area	Personnel and Supervisor	2x4 = 8 (M)

11	Inhalation of dust/debris	Injury	3x3	9 (M)	- Good ventilation to be provided in area - All personnel working within exclusion zone to wear particle filter mask to BS EN 149	Personnel and Supervisor	2x3 = 6 (L)
12	Electricity	Serious Injury, Fatality	3x5	15 (H)	- Check condition of lead and plug before use (if not battery operated) - Check for buried/hidden cables before drilling - Qualified person to test all devices prior to use	Personnel and Supervisor	2x5 = 10 (M)
13	Entrapment from moving parts	Serious Injury	3x4	12 (M)	- Ensure loose clothing, jewellery and long hair to be kept clear - Use guards where appropriate	Personnel and Supervisor	2x4 = 8 (M)
14	Noise	Serious Injury	2x4	8 (M)	Wear hearing protection	Personnel and Supervisor	1x4 = 4 (L)
15	Vibrations	Injury	2x4	8 (M)	- Select power tools with lowest vibration levels - Minimise time individual is using the equipment - Ensure tools are properly used	Personnel and Supervisor	1x4 = 4 (L)
Truck Loading and Movement							
16	Personnel or members of the public being hit by trucks	Serious Injury, Fatality	4x4	16 (H)	- Provide pedestrian free traffic route - Truck drivers to be briefed on travel route - All vehicle movements to be controlled by TTM flagman - All vehicles to observe 5mph speed limit in and out of site	Personnel and Supervisor	3x4 = 12 (M)
ASSESSED BY (NAME): ANDREW LIPSHUT					SIGNATURE: 	REV. No: 00	
APPROVED BY (NAME):					SIGNATURE:	REV. DATE: 20/06/2022	

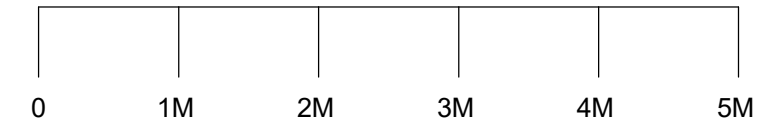
APPENDIX C

Logistics Plan

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- KEY NOTES:**
- HOARDING LINE INDICATIVE AND SUBJECT TO DEVELOPMENT IN CONJUNCTION WITH MCC APPROVALS
 - MINIMAL SITE WELFARE FOR STAGE 1 TO INCLUDE TOILET, HAND WASH, MESS FACILITIES AND FIRST AID KIT
 - EMERGENCY ASSEMBLY (MUSTER) POINT AS SHOWN ON DRAWING - PATH OF EGRESS THROUGH EXISTING STRUCTURE FLOORS/STAIRS
 - VEHICLE MOVEMENT THROUGH LOCAL AREA TO BE FURTHER DEVELOPED AS PART OF OVERALL LOGISTICS STRATEGY / TRAFFIC MANAGEMENT PLAN
 - INTENT IS TO KEEP CONSTRUCTION TRAFFIC AWAY FROM THOMAS STREET AND UTILISE NETWORK OF ONE-WAY STREETS TO THE SOUTH-WEST OF THE SITE



GENERAL NOTES

1. DO NOT SCALE DRAWING.

A	20-06-22	ISSUED FOR INFORMATION	JV	AL	
Rev	Date	Description	Dra	App	
Revision Schedule					
DEVELOPER					
CONSULTANT					
CLIENT					
PROJECT					
42-50 THOMAS STREET					
DRAWING TITLE					
7KS STABILISATION LOGISTICS					
Drawn:- Author	Checked:- Checker	Authorised:- Approver	Sheet:-		
Level:-	Location:-	Zone:-	Scale:-	NTS	
Drawing Number				REV.	
PCS-LOG-DWG-011				A	