

Condition  
⑥

Network Rail

**King's Cross Station  
Redevelopment  
Programme Package 6  
GRIP 6**

Listed Building Consent  
Application (Reference  
2006/3394/L);  
Condition LB06;  
Demolition Work  
Approval

Job No 123345

Document ref  
ENG-REP-G5-OAP-006-  
SWNS-0218

**Appendix 3**

Revision 1.0  
Issue for Acceptance

RECEIVED  
24 MAY 2010

Network Rail

**King's Cross Station  
Redevelopment  
Programme Package 6  
GRIP 6**

Listed Building Consent  
Application (Reference  
2006/3394/L);  
Condition LB06;  
Demolition Work  
Approval

**Appendix 3  
Revision 1.0**

May 2010

This report takes into account the particular instructions and requirements of our client.  
It is not intended for and should not be relied upon by any third party and no responsibility is  
undertaken to any third party

**Ove Arup & Partners Ltd**  
13 Fitzroy Street,  
London W1T 4BQ  
Tel +44 (0)20 7636 1531 Fax +44 (0)20 775 2044  
[www.arup.com](http://www.arup.com)

Job number 123345-00



## Contents

	Page
1 Introduction	
1.1 Purpose of Submission	1
1.2 Details of Relevant Consent Conditions	1
1.3 Description of Relevant works	1
2 Description of Relevant Works	
2.1 Work areas covered in the submission	2
2.2 Demolition Scope	3
2.3 Variations to consented Scheme	3
2.4 Methodology	3
3 Conclusions	4

## Appendices

### Appendix A

List of Abbreviations

### Appendix B

Location Map

### Appendix C

Drawings

- 1.1 Basement Floor Plan Demolition drawings Gridlines W1-W26
- 1.2 Ground / First / Second Floor Plan Demolition drawings Gridlines W23-W32

# 1 Introduction

## 1.1 Purpose of Submission

---

This document is a further submission to partially fulfil the requirements of the Listed Building Consent Reference 2006/3394/LB06.

This further submission is Appendix 3 Revision 1.0 to the previous submission ENG-REP-G5-OAP-006-SWNS-0218 ISSUE 3.0 dated May 2009 and relates only to the following areas:

- Basement Floor Plan Gridlines W1-W26 of The Western Range Building.
- Ground / First / Second Floor Plans Gridlines W23-W32 of The Western Range Building.

The original submission relate to the demolition works in Package 6 covering the Western Range Building (WRB) and includes new works to the Western Concourse (WCC), and demolition works as part of refurbishment and alteration of the WRB and the Suburban Train Shed (STS), to the east and north respectively of the new WCC. For works to the Main Train Shed on platforms and footbridge replacement, please refer to separate planning consent and the associated conditions.

The preliminaries and architectural specification contained within the original submission still stands.

The demolition drawings contained within original submission still stands except where superseded by the relevant demolition drawings contained within Appendix C.

There is no demolition proposed within this submission which requires any temporary works that is not covered within the original specification.

## 1.2 Details of Relevant Consent Conditions

---

Listed Building Consent Item LB06 states:

Before any work is undertaken in pursuance of this consent to demolish or alter by way of partial demolition any part of the building, structural engineers' drawings and /or method statement, indicating the proposed method of ensuring the safety and stability of the building fabric to be retained throughout the period of demolition and reconstruction, shall be submitted to and approved in writing by the Council as local planning authority, advised by English Heritage. The relevant work shall be carried out in accordance with such structural engineers' drawings and/or method statement thus approved.

This submission relates to the two following areas only:

- Basement Floor Plan Gridlines W1-W26 of The Western Range Building.
- Ground / First / Second Floor Plans Gridlines W23-W32 of The Western Range Building.

## 1.3 Description of Relevant Works

---

Section 2.0 of this report describes in narrative form the scope of demolition works to the WRB in Package 6 and lists relevant information.

Section 3.0 gives conclusions.

Appendix A lists the abbreviations used.

Appendix B contains the location map.

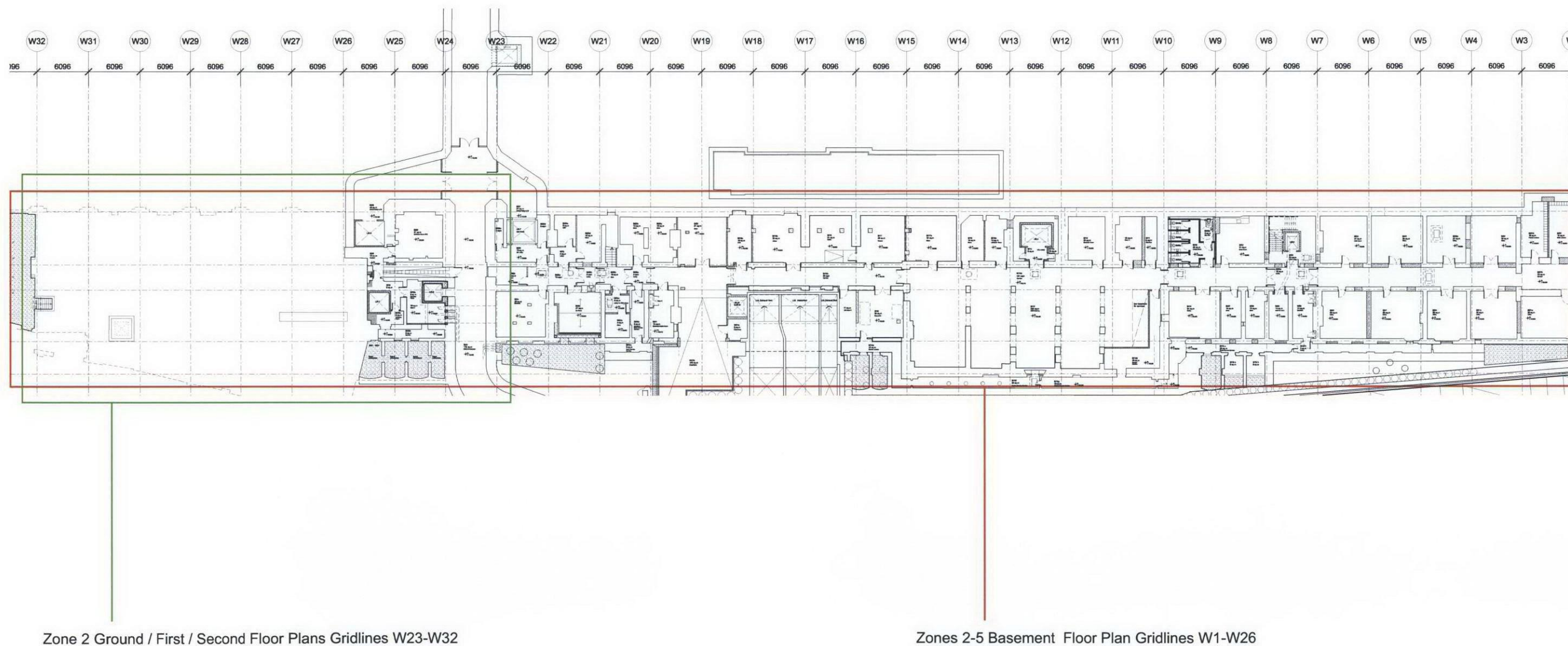
Appendix C contains the demolition drawings.

## 2 Description of Relevant Works

### 2.1 Work areas covered in the submission

This section response to the Listed Building Consent condition number LB06 cover the scope of demolition work planned for the following areas:

- Basement Floor Plan Gridlines W1-W26 of The Western Range Building.
- Ground / First / Second Floor Plans Gridlines W23-W32 of The Western Range Building.





## 2.2 Demolition Scope

---

Design development and changes in the operation requirements of Network Rail and other stakeholders and discoveries as part of opening up works have led to revised proposals in the Central Block since the previous submission ENG-REP-G5-OAP-006-SWNS-0218 ISSUE 3.0 dated May 2009.

The key changes in the proposals since the previous submission are:

- Sections of floor removed to accommodate new Lift 'T'
- Capture of small revisions to demolition where revised in light of new accurate survey data and further site investigations.
- Removal of non-loadbearing walls between masonry piers at Basement level.
- Doors removed and openings blocked up.

Annotated key layout plans on the following pages illustrate these key changes.

The proposal for demolition required locally has been revised in line with the new proposals as described on the drawings attached to this report.

## 2.3 Variations to Consented Scheme

---

The drawings that follow are annotated in red to highlight the changes in the proposed demolition plans from the consented scheme. The drawings are for illustration purposes only. The main demolition drawings are contained within Appendix C of this report.

## 2.3 Methodology

---

Prior to carrying out demolition, Building Recording and a Conditions Survey have been carried out.

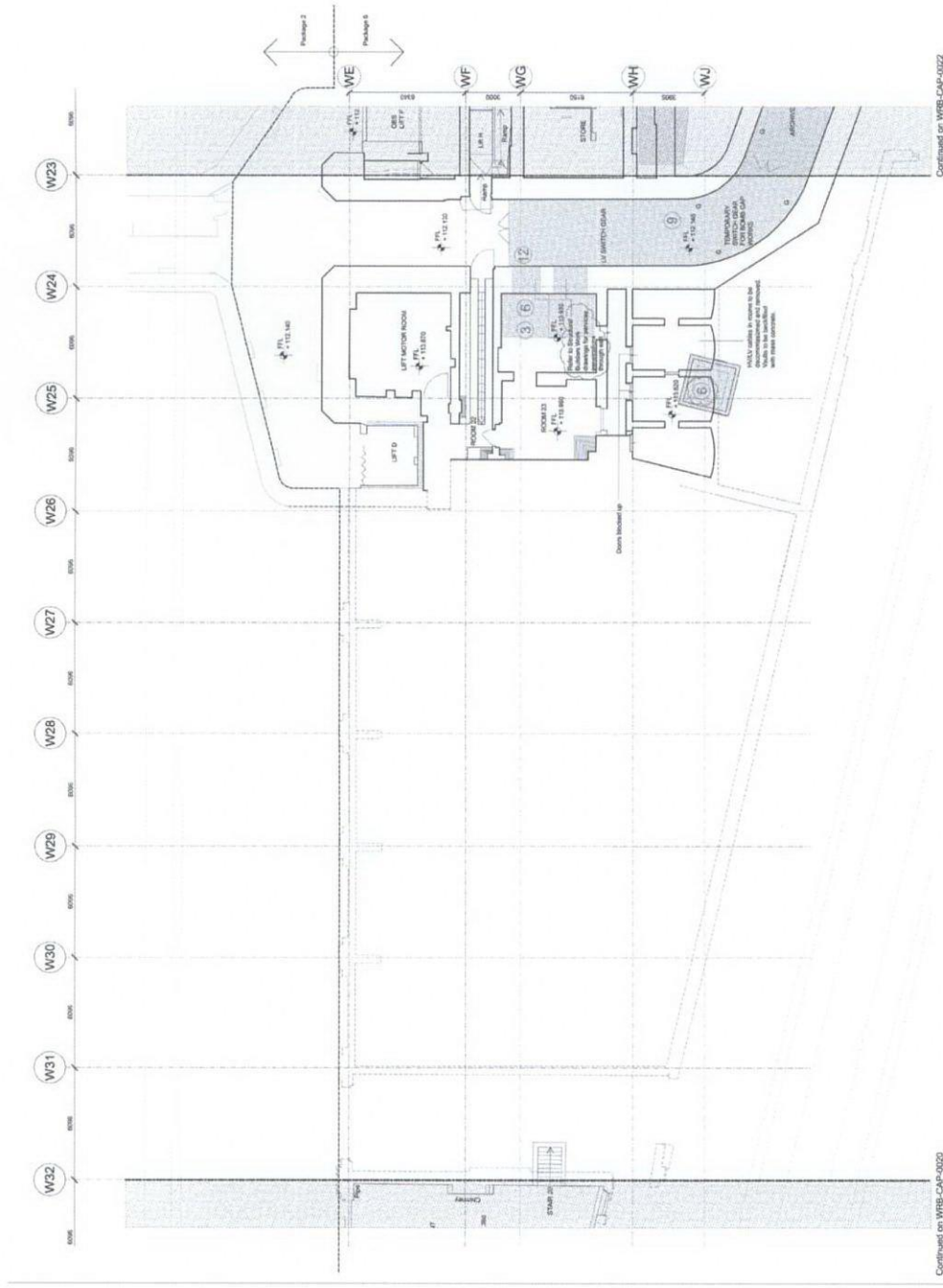
The Preliminaries and Architectural Specifications require the submission of detailed method statements by the Contractor to confirm to Network Rail and other stakeholders that adequate care will be taken and appropriate methods used to avoid damage to historic fabric that will remain after demolition locally. The details are given in the Specifications contained within the previous submission ENG-REP-G5-OAP-006-SWNS-0218 ISSUE 3.0 dated May 2009. The specification sections relate to technical requirements for demolition, and should be read together

with the salvage specifications and report. The Specifications include requirements to follow heritage constraints and planning consent conditions, as indicated in the extract from Section A General of the Architectural Specifications. The specifications require that the Contractor proposes method statements for each element of demolition affecting historic fabric. Method statements will be submitted for approval at the appropriate time during construction when the Contractor has investigated the site conditions and formulated particular methods and sequence of work.

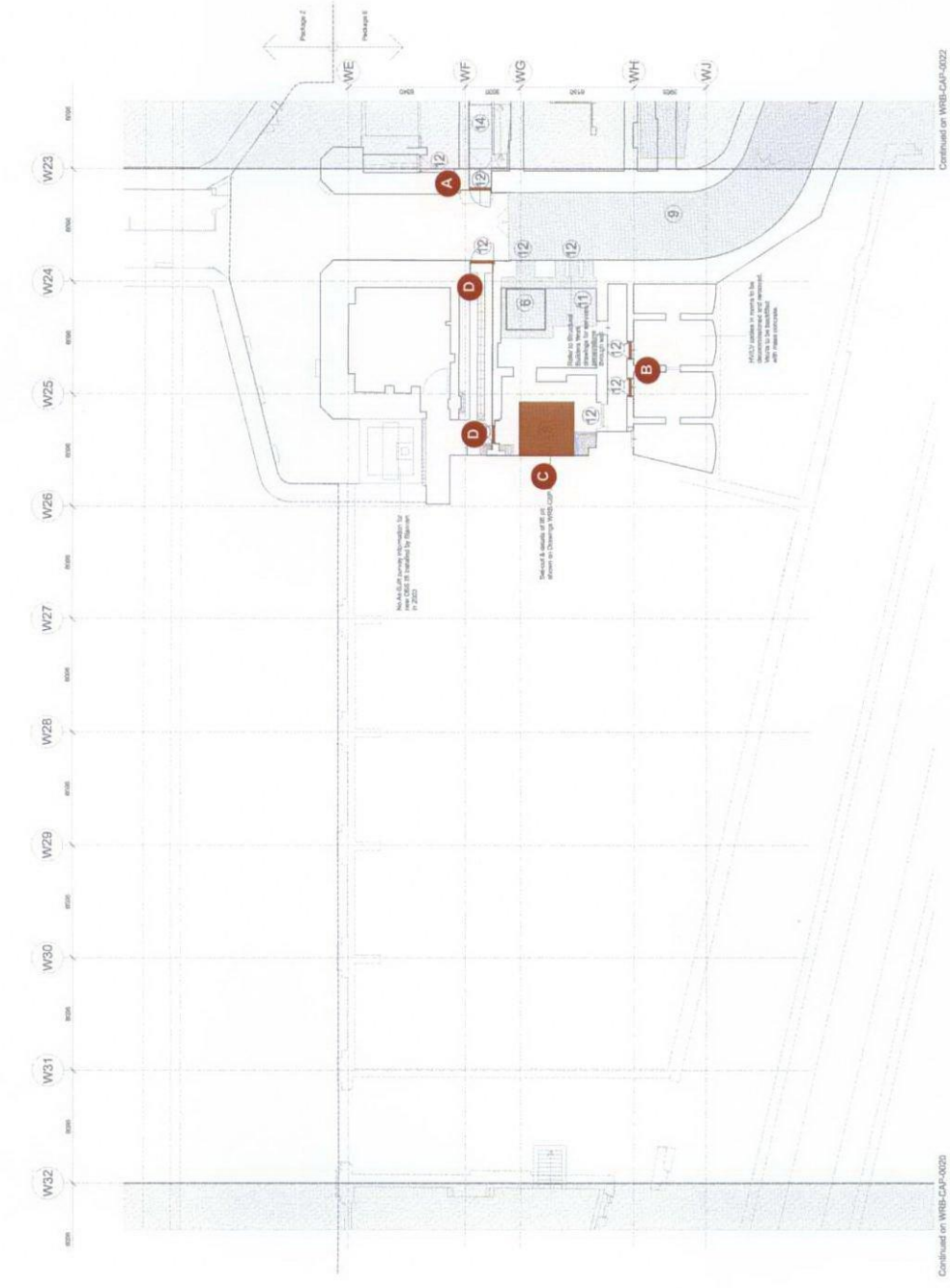
The design has minimised the amount of demolition so as to maintain historic fabric with only a necessary minimum of demolition to enable the functional requirements of the refurbished station to be achieved.

This submission is to be read in conjunction with separate submission material covering the repairs to historic fabric. The proposed methods should minimise demolition or loss of historic fabric.





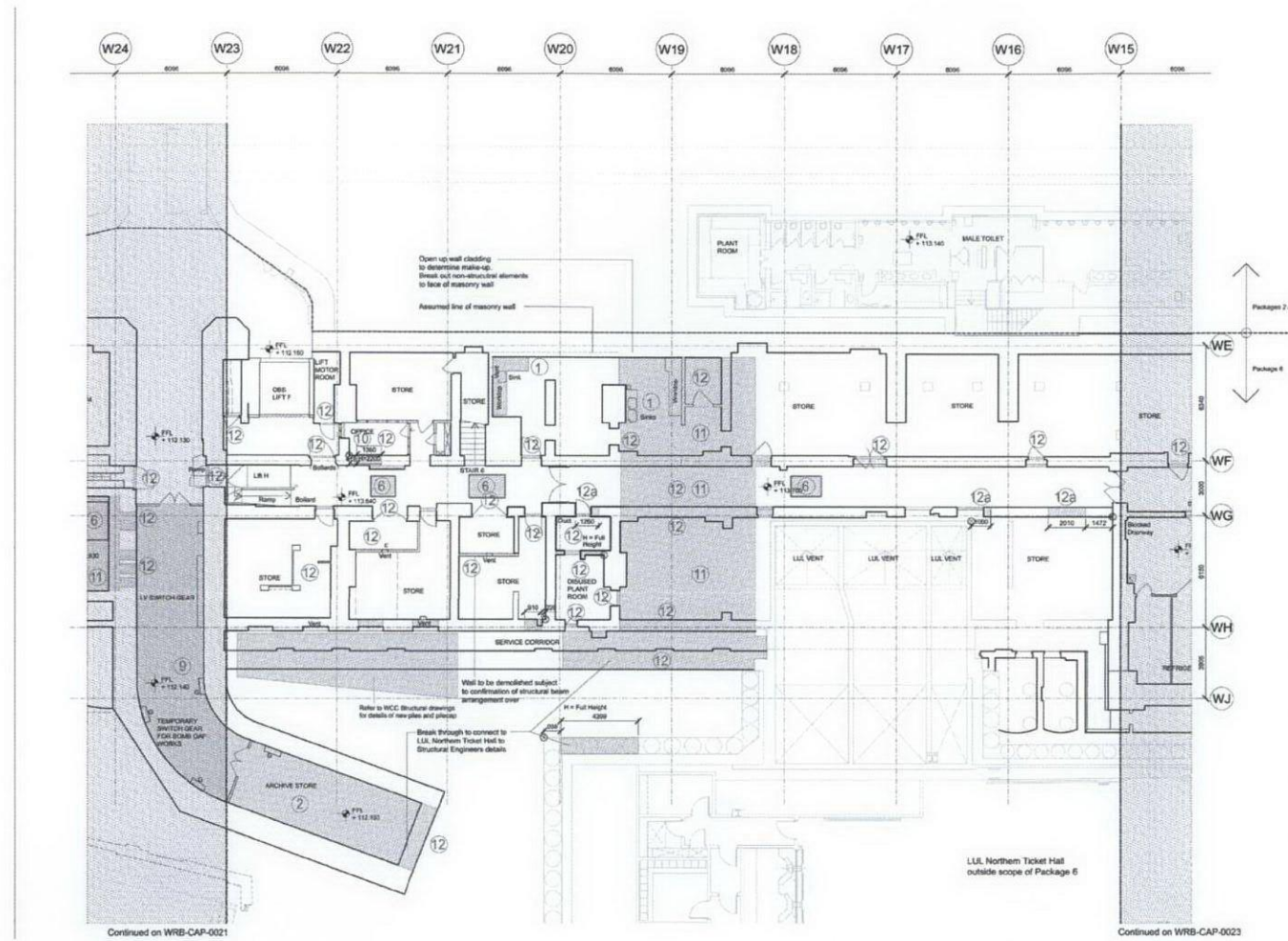
BASEMENT FLOOR PLAN ZONE 2 - CONSENTED DEMOLITIONS



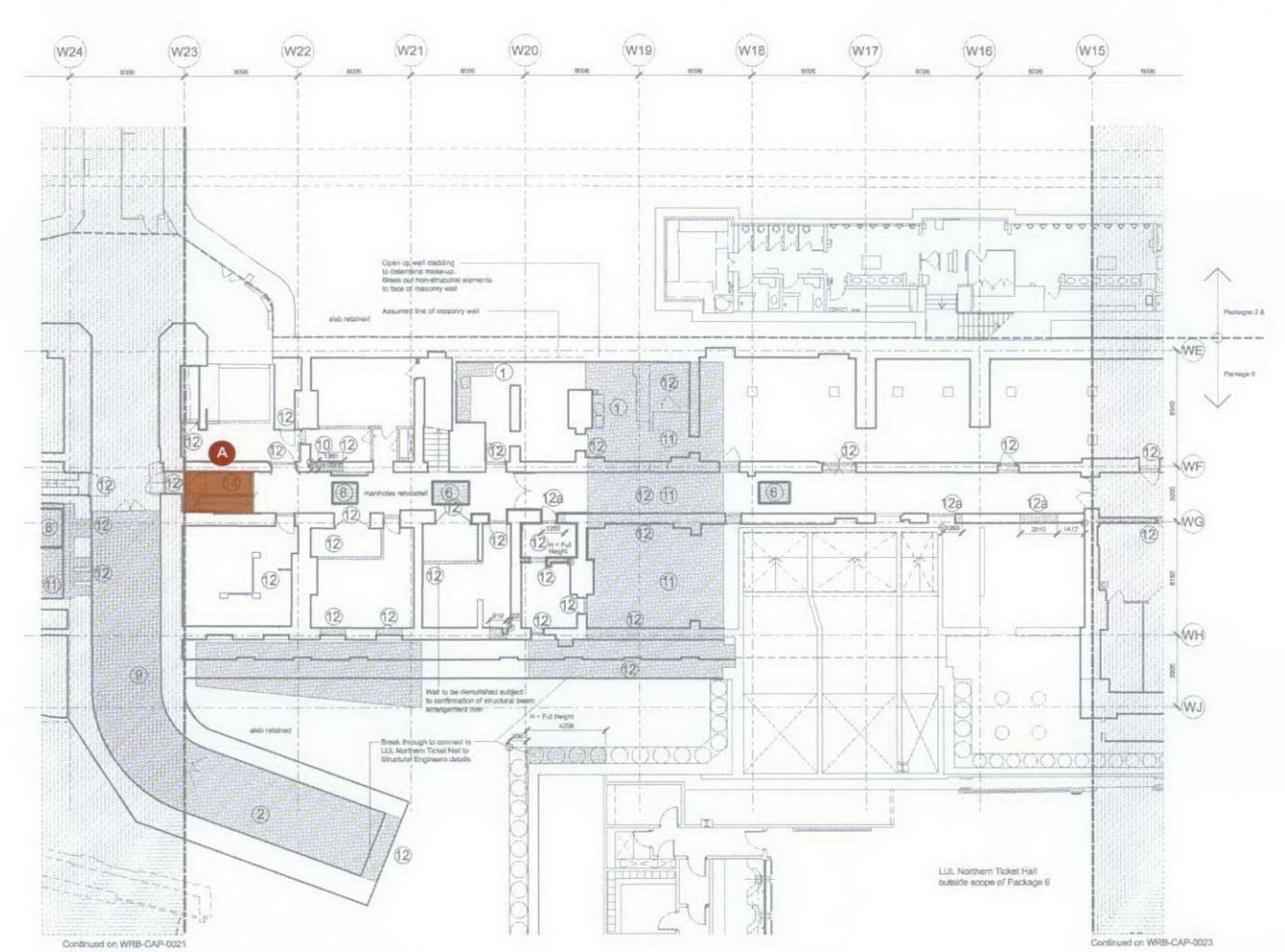
BASEMENT FLOOR PLAN ZONE 2 - PROPOSED DEMOLITIONS

- A** Existing Lift no longer required, new Store to be accommodated
- B** Doors removed, openings infilled and vaults backfilled with mass concrete
- C** Section of floor removed to accommodate new Lift - nature of works covered in consented specification
- D** Doors to be removed or blocked up are non-historic, have been identified as 'not for salvage' and are to be removed as they are no longer fit for purpose





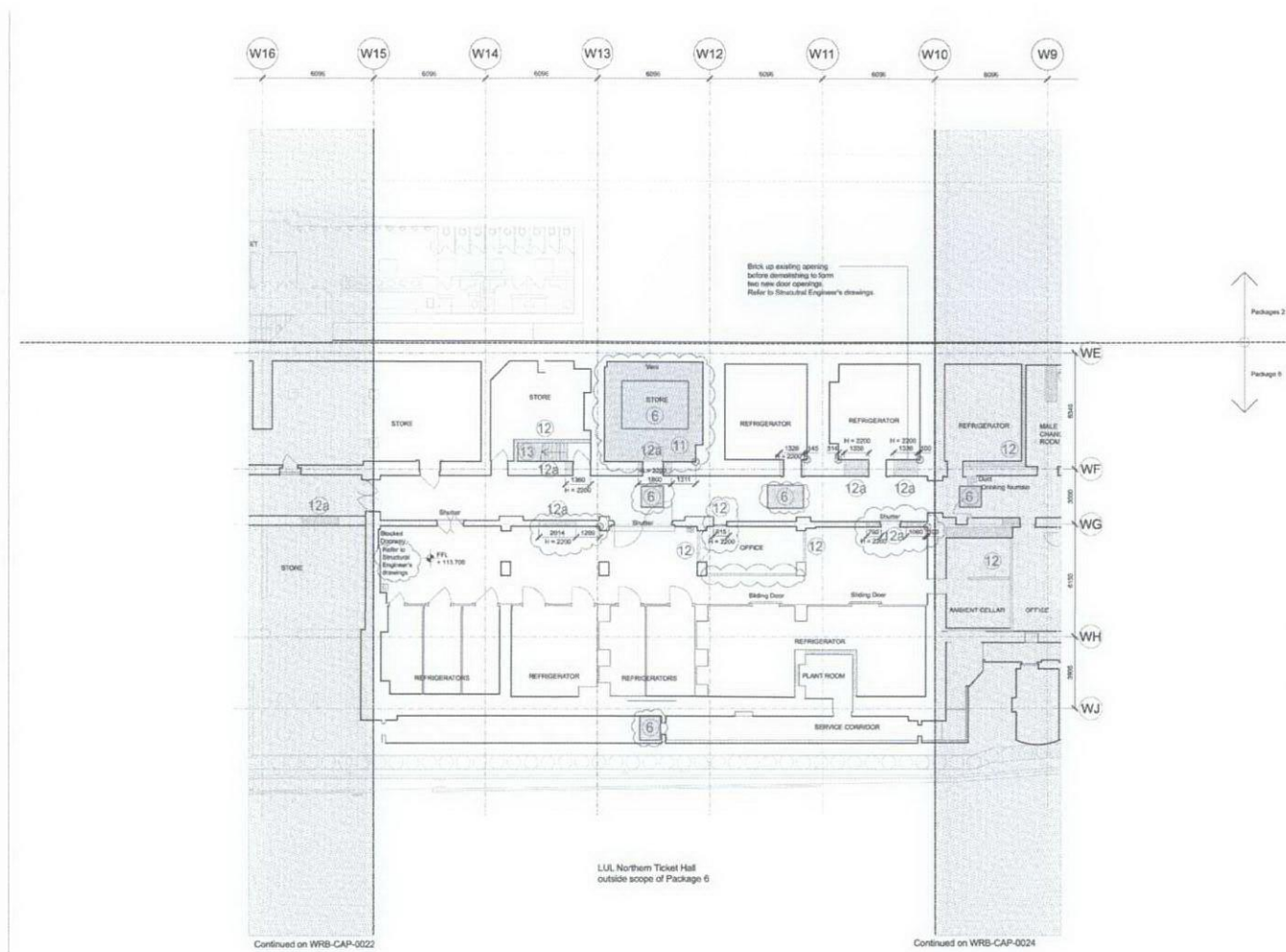
**BASEMENT FLOOR PLAN ZONE 3 – CONSENTED DEMOLITIONS**



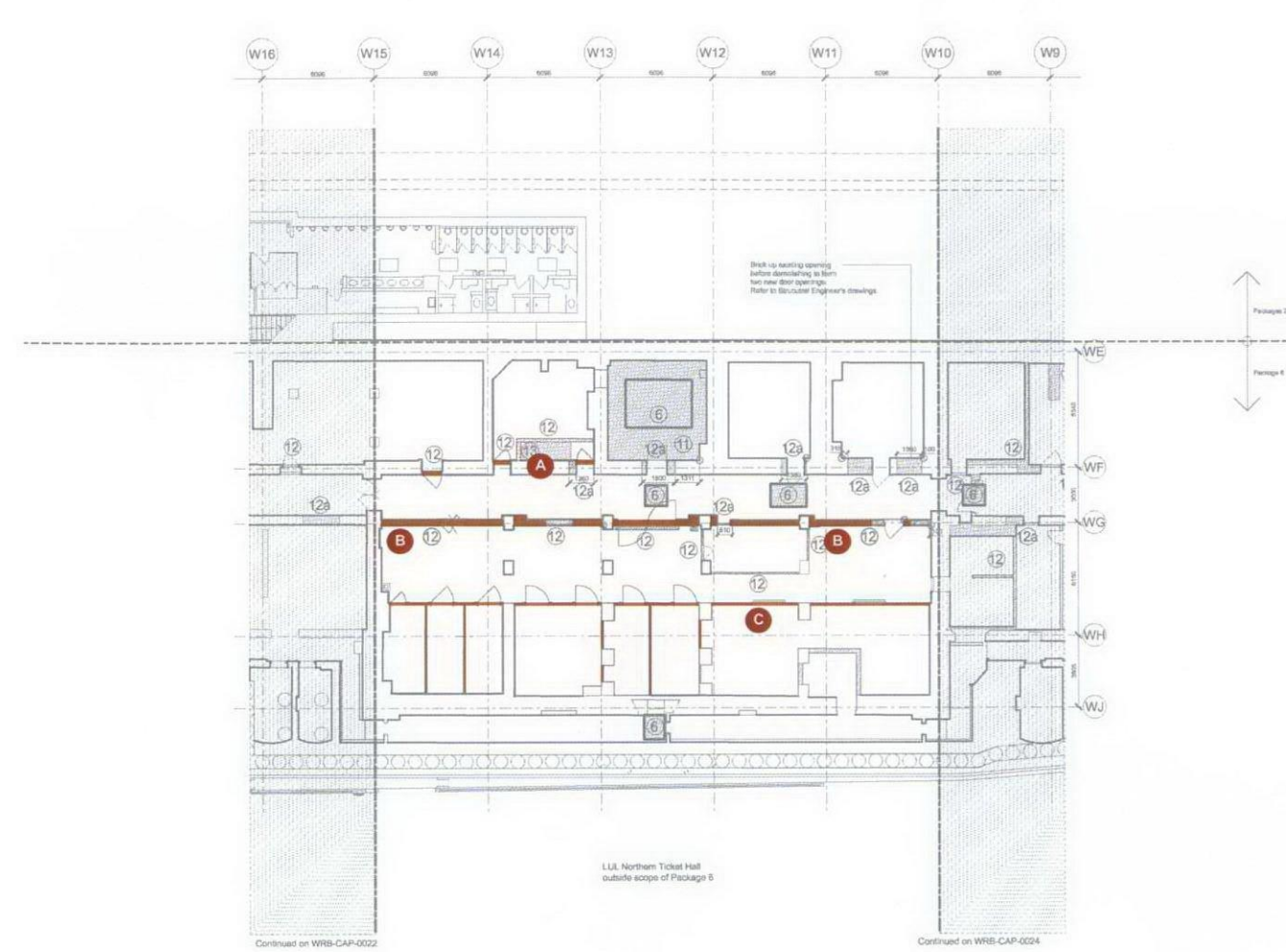
**BASEMENT FLOOR PLAN ZONE 3 – PROPOSED DEMOLITIONS**

**A** Existing Lift no longer required, new Store to be accommodated





**BASEMENT FLOOR PLAN ZONE 4 - CONSENTED DEMOLITIONS**



**BASEMENT FLOOR PLAN ZONE 4 - PROPOSED DEMOLITIONS**

- A** Doors to be removed or blocked up are non-historic, have been identified as 'not for salvage' and are to be removed as they are no longer fit for purpose
- B** Removal of non-loadbearing walls between masonry piers. New On-Board Services Distribution Centre requires free and easy access to corridor space
- C** Removal of Refidgeration partitions not part of heritage fabric are is to be carefully removed as part of the soft strip