

Level B1 - Existing
1 : 100

KEY

NOTE:
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NOTE - STRENGTHENING WORKS DUE TO DEMOLITION WORKS ARE SHOWN ON SEPARATE DRAWINGS

NB - ALL EXISTING STRUCTURES SHOWN ARE ASSUMED AND SHOULD BE CHECKED ON SITE BY CONTRACTOR BEFORE WORKS COMMENCE

FURTHER INVESTIGATIONS ARE NEEDED TO DETERMINE JOISTS SIZES AND CENTRES

REVISIONS

NO.	REVISION	DATE	BY	CHECKED BY	DATE	APPROVED BY	DATE
P3	RIBA 3	18/10/21	A.JOHNSTON	P.HALL	18/10/21		
P2	PRE-RIBA 3 COMMENTS	12/10/21	A.JOHNSTON	A.JOHNSTON	12/10/21		
P1	ISSUED FOR COSTING	21/05/20	G.BERTOGALLI	21/05/20	P.HALL	21/05/20	
REV	REVISION NOTES/COMMENTS						

DRAWN BY: DATE: CHECKED BY: DATE: APPROVED BY: DATE:

Hydrock Merchants' House North Wapping Road Bristol BS1 4RW t: +44(0)117 945 9225 e: bristolcentral@hydrock.com

CLIENT
AHR ARCHITECTS

PROJECT
GORDON SQUARE, LONDON

TITLE
Existing B1 Layout with 01 Structures Shown Reflected Above

Birkbeck College
University of London
Department of Estates and Facilities
Malet Street
London WC1E 7HX
Tel : 0171 631 6015
Fax : 0171 631 6019

HYDROCK PROJECT NO.
C-14299

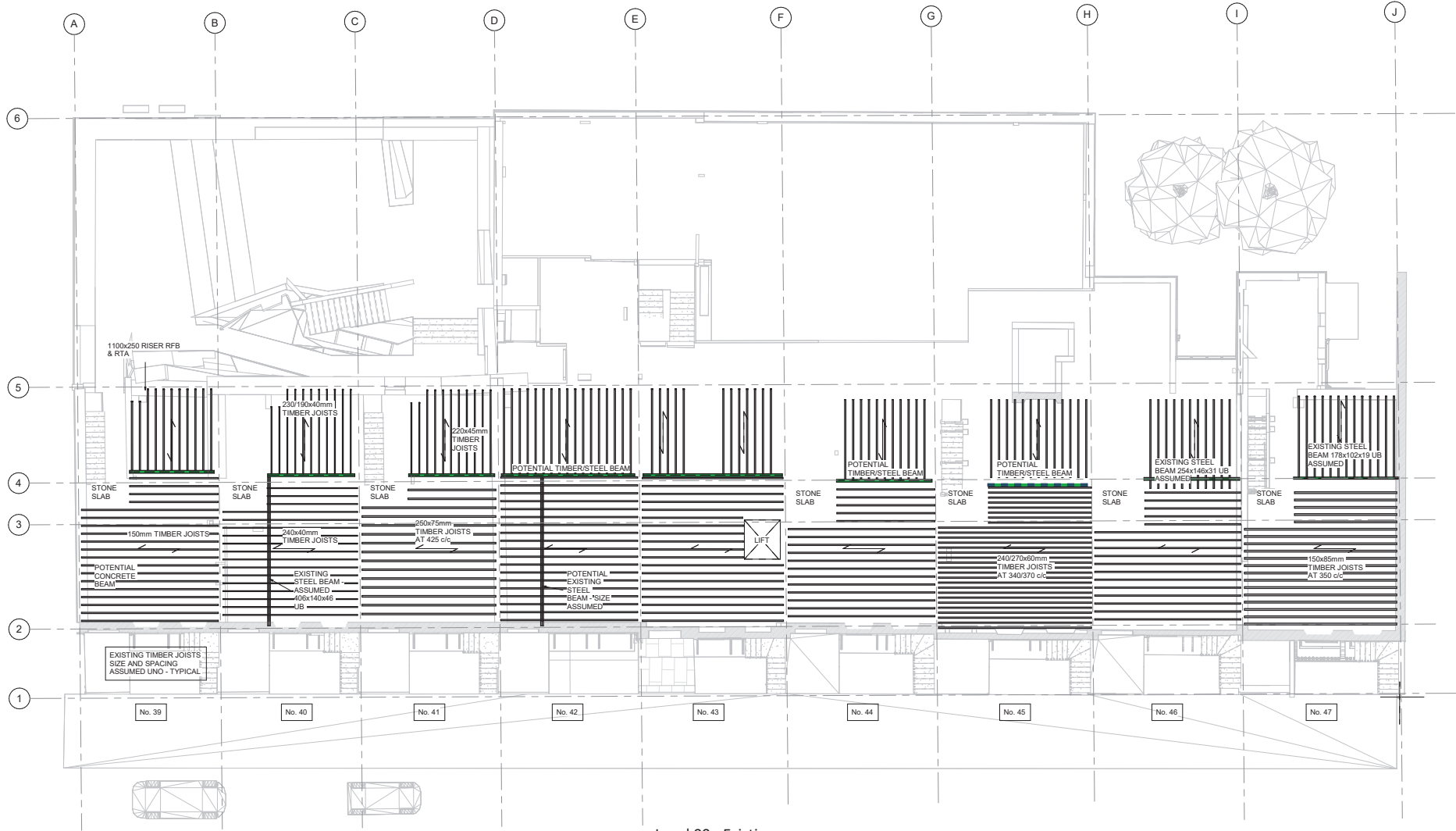
SCALE @ A1
As indicated

STATUS DESCRIPTION
SUITABLE FOR COSTING

DRAWING NO.
BRK-HYD-GS-XX-DR-S-1013

STATUS
D1

REVISION
P3



Level 00 - Existing
1 : 100

KEY

NOTE:
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REVISIONS

NO.	DESCRIPTION	DATE	BY	CHECKED BY	DATE	APPROVED BY	DATE
P3	RIBA 3	18/10/21	AJOHNSTON	18/10/21	P.HALL	18/10/21	
P2	PRE-RIBA 3 COMMENTS	12/10/21	AJOHNSTON	12/10/21	AJOHNSTON	12/10/21	
P1	ISSUED FOR COSTING	21/05/20	G.BERTOGALLI	21/05/20	P.HALL	21/05/20	
REV	REVISION NOTES/COMMENTS						

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Hydrock

Merchants' House North
Wapping Road
Bristol
BS1 4RW
t: +44(0)117 945 9225
e: bristolcentral@hydrock.com

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AHR ARCHITECTS

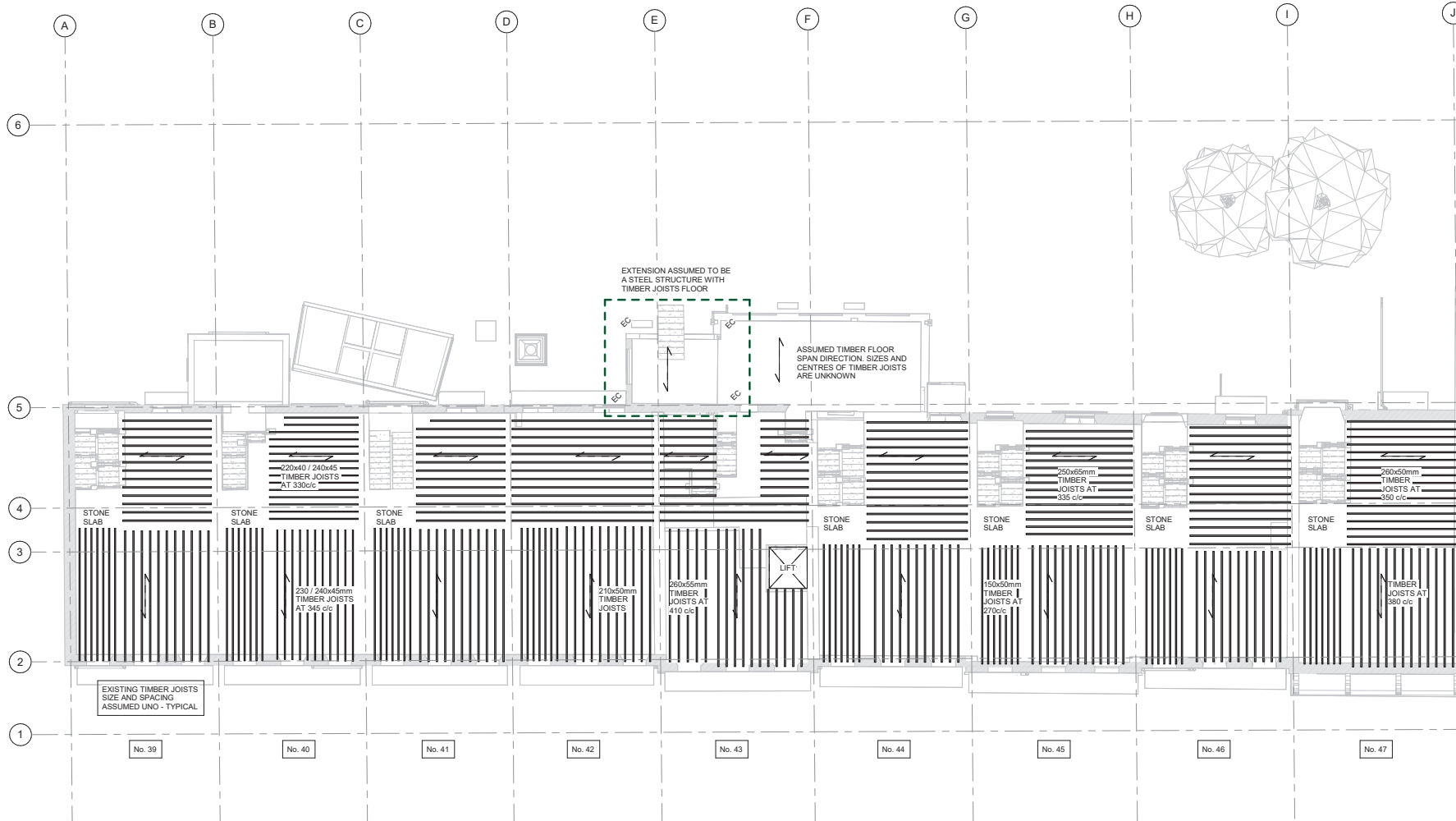
PROJECT
GORDON SQUARE, LONDON

TITLE
Existing 00 Layout with 01 Structures
Shown Reflected Above

Birkbeck College
University of London

Department of Estates and Facilities
Malet Street
London WC1E 7HX
Tel : 0171 631 6015
Fax : 0171 631 6019

HYDROCK PROJECT NO.	SCALE @ A1
C-14299	As indicated
STATUS DESCRIPTION	STATUS
SUITABLE FOR COSTING	D1
DRAWING NO. (PROJECT - ORIGINATOR - VOLUME - LEVEL - TYPE - ROLE - NUMBER)	REVISION
BRK-HYD-GS-XX-DR-S-1014	P3



Level 01 - Existing
1 : 100

KEY

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FURTHER INVESTIGATIONS ARE NEEDED TO DETERMINE JOISTS SIZES AND CENTRES

REVISIONS

NO.	DESCRIPTION	DATE	BY	CHECKED BY
P3	RIBA 3	18/10/21	AJOHNSTON	P.HALL
P2	PRE-RIBA 3 COMMENTS	12/10/21	AJOHNSTON	AJOHNSTON
P1	ISSUED FOR COSTING	21/05/20	G.BERTOGALLI	P.HALL

REVISION NOTES/COMMENTS

REV	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE

CLIENT

AHR ARCHITECTS

PROJECT

GORDON SQUARE, LONDON

TITLE

Existing 01 Layout with 02 Structures Shown Reflected Above

Birkbeck College
University of London
Department of Estates and Facilities
Malet Street
London WC1E 7HX
Tel : 0171 631 6015
Fax : 0171 631 6019

HYDROCK PROJECT NO.
C-14299

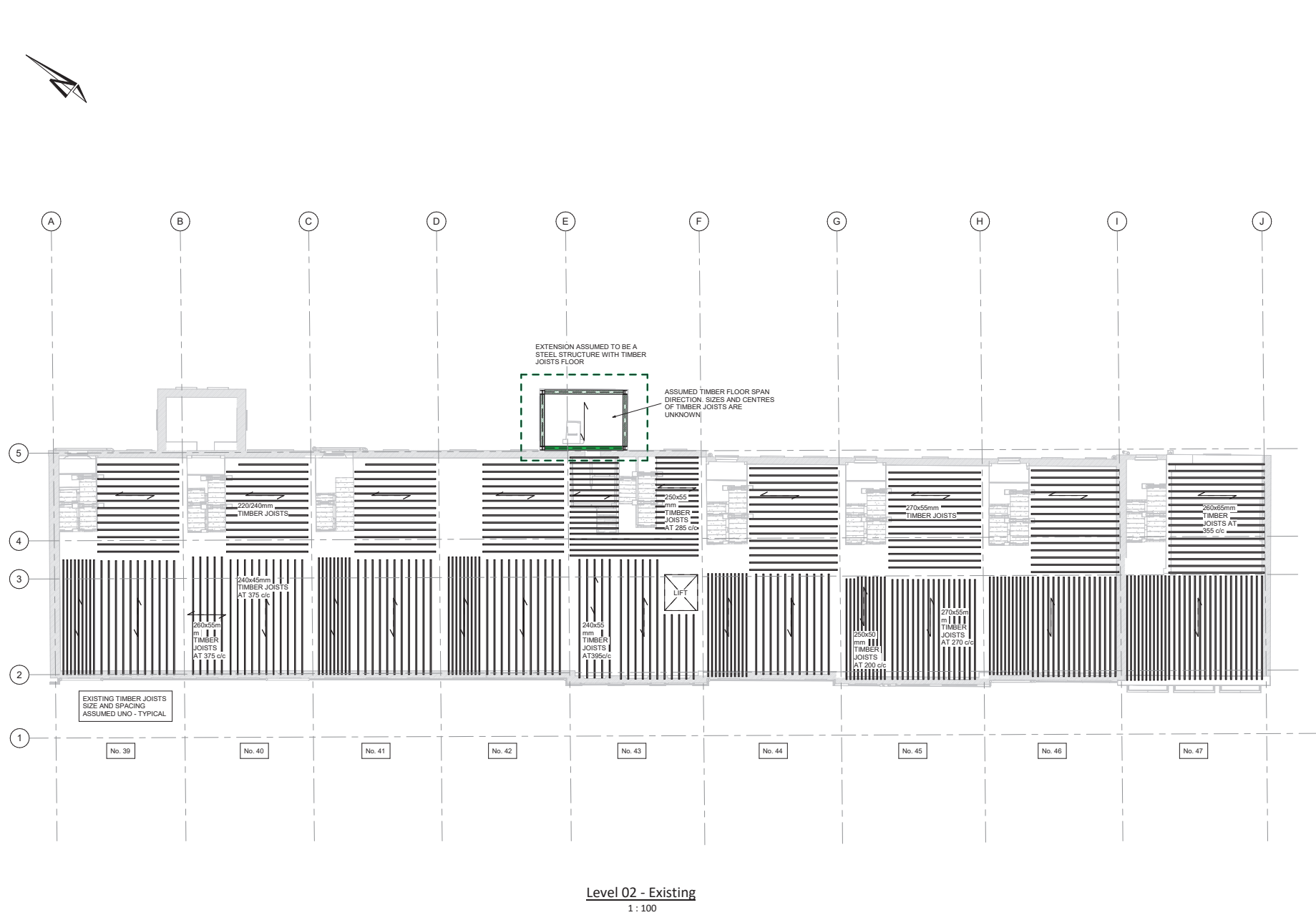
SCALE @ A1
As indicated


STATUS DESCRIPTION
SUITABLE FOR COSTING

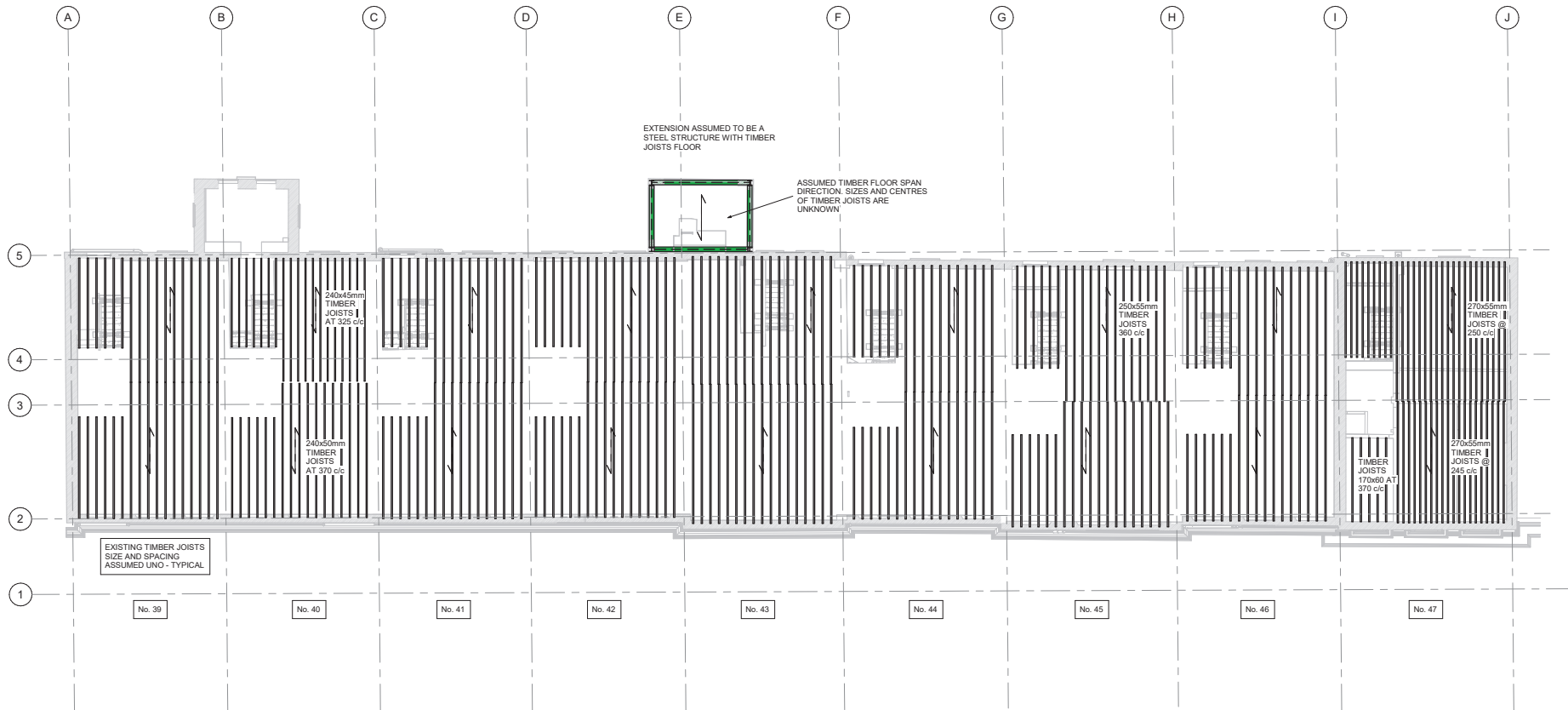
DRAWING NO.
BRK-HYD-GS-XX-DR-S-1015

STATUS
D1

REVISION
P3



KEY																									
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REVISIONS																									
<table><tr><td>P1</td><td colspan="2">RIBA 3</td></tr><tr><td>E.SANDERS</td><td>18/10/21</td><td>A.JOHNSTON 18/10/21 P.HALL 18/10/21</td></tr><tr><td colspan="3">PRE-RIBA 3 COMMENTS</td></tr><tr><td>L.BARNES</td><td>12/10/21</td><td>A.JOHNSTON 12/10/21 A.JOHNSTON 12/10/21</td></tr><tr><td>P1</td><td colspan="2">ISSUED FOR COSTING</td></tr><tr><td>F.BOWLETT</td><td>21/05/20</td><td>G.BERTOGALLI 21/05/20 P.HALL 21/05/20</td></tr><tr><td colspan="3">REVISION NOTES/COMMENTS</td></tr><tr><td>DRAWN BY</td><td>DATE</td><td>CHECKED BY DATE APPROVED BY DATE</td></tr></table>		P1	RIBA 3		E.SANDERS	18/10/21	A.JOHNSTON 18/10/21 P.HALL 18/10/21	PRE-RIBA 3 COMMENTS			L.BARNES	12/10/21	A.JOHNSTON 12/10/21 A.JOHNSTON 12/10/21	P1	ISSUED FOR COSTING		F.BOWLETT	21/05/20	G.BERTOGALLI 21/05/20 P.HALL 21/05/20	REVISION NOTES/COMMENTS			DRAWN BY	DATE	CHECKED BY DATE APPROVED BY DATE
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<div><div>Hydrock</div><div><div><div><div></div></div><div>Merchants' House North</div><div>Wrapping Road</div><div>Bristol</div><div>B51 4RW</div><div>t: +44(0)117 945 9225</div><div>e: bristolcentral@hydrock.com</div></div></div></div>																									
CLIENT																									
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PROJECT																									
GORDON SQUARE, LONDON																									
TITLE																									
Existing O2 Layout with O3 Structures Shown Reflected Above																									
<div><div><div><div>Birkbeck College</div><div>University of London</div><div>Department of Estates and Facilities</div><div>Mallet Street</div><div>London WC1E 7HX</div><div>Tel : 0171 631 6015</div><div>Fax : 0171 631 6019</div></div><div></div></div></div>																									
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C-14299	SCALE @ A1																								
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DRAWING NO. (PROJECT ORIGINATOR VOLUME - LEVEL TYPE FILE NUMBER)																									
BRK-HWD-GS-XX-DR-S-1016																									
P3																									



Level 03 - Existing
1 : 100

KEY

NOTES

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FURTHER INVESTIGATIONS ARE NEEDED TO DETERMINE JOISTS SIZES AND CENTRES

REVISIONS

NO.	REVISION	DATE	BY	DATE	BY
P3	RIBA 3				
	E.SANDERS	18/10/21	A.JOHNSTON	18/10/21	P.HALL
P2	PRE-RIBA 3 COMMENTS				
	L.BARNES	12/10/21	A.JOHNSTON	12/10/21	A.JOHNSTON
P1	ISSUED FOR COSTING				
	F.BOWLETT	21/05/20	G.BERTOGALLI	21/05/20	P.HALL
REV	REVISION NOTES/COMMENTS				
	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY

CLIENT

AHR ARCHITECTS

PROJECT

GORDON SQUARE, LONDON

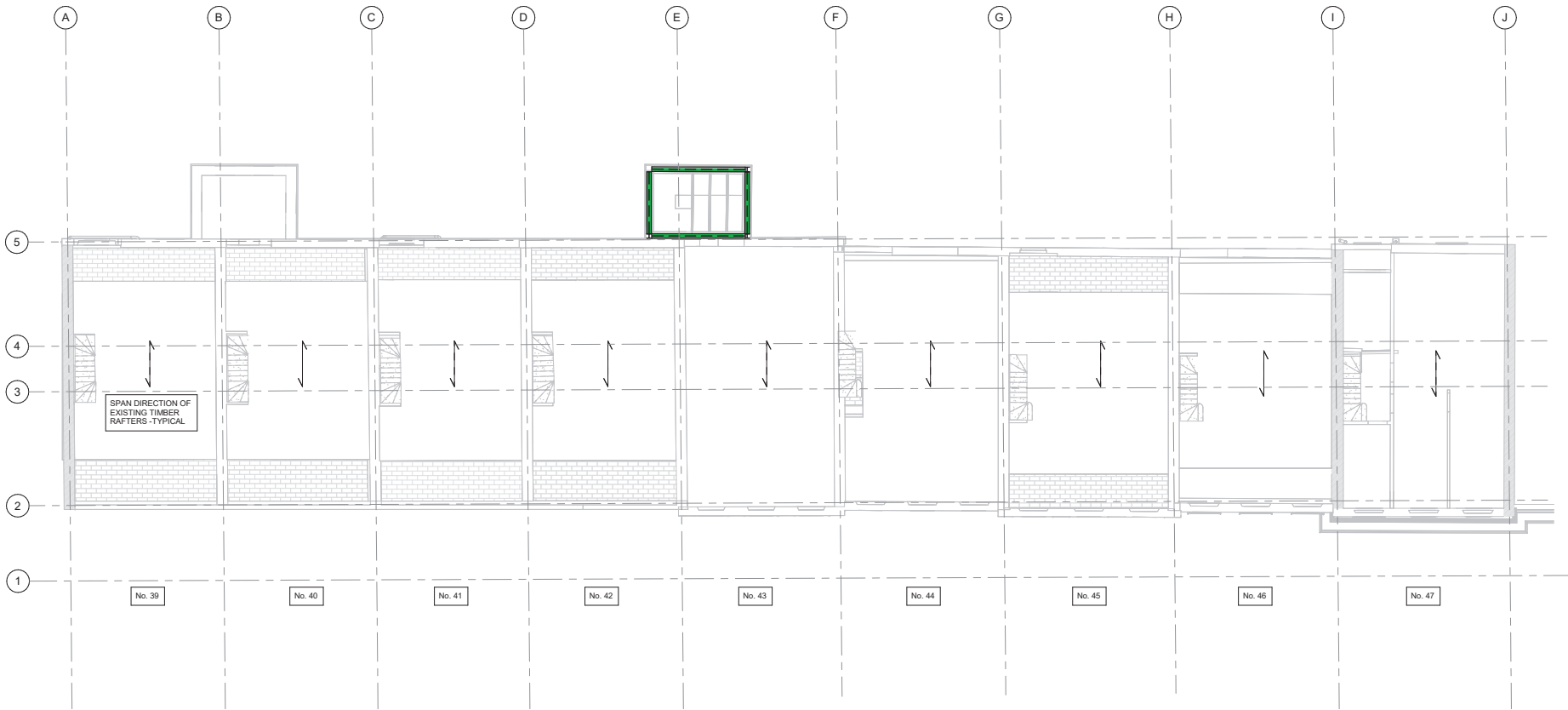
TITLE

Existing 03 Layout with 04 Structures Shown Reflected Above

Birkbeck College
University of London

Department of Estates and Facilities
Malet Street
London WC1E 7HX
Tel : 0171 631 6015
Fax : 0171 631 6019

HYDROCK PROJECT NO. C-14299	SCALE @ A1 As indicated
STATUS DESCRIPTION SUITABLE FOR COSTING	STATUS D1
DRAWING NO. (PROJECT - ORIGINATOR - VOLUME - LEVEL - TYPE - ROLE - NUMBER) BRK-HYD-GS-XX-DR-S-1017	REVISION P3



Level 04 - Existing
1 : 100

KEY

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FURTHER INVESTIGATIONS ARE NEEDED TO DETERMINE JOISTS SIZES AND CENTRES

REVISIONS

P3	RIBA 3					
	E.SANDERS	18/10/21	A.JOHNSTON	18/10/21	P.HALL	18/10/21
P2	PRE-RIBA 3 COMMENTS					
	L.BARNES	12/10/21	A.JOHNSTON	12/10/21	A.JOHNSTON	12/10/21
P1	ISSUED FOR COSTING					
	F.BOYLETT	21/05/20	G.BERTOGLI	21/05/20	P.HALL	21/05/20
REV	REVISION NOTES/COMMENTS					
	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE

Hydrock  Merchants' House North
Wapping Road
Bristol
BS1 4RW
t: +44(0)117 945 9225
e: bristolcentral@hydrock.com

CLIENT

AHR ARCHITECTS

PROJECT

GORDON SQUARE, LONDON

TITLE

Existing 04 Layout with Roof
Structures Shown Reflected Above

Birkbeck College
University of London

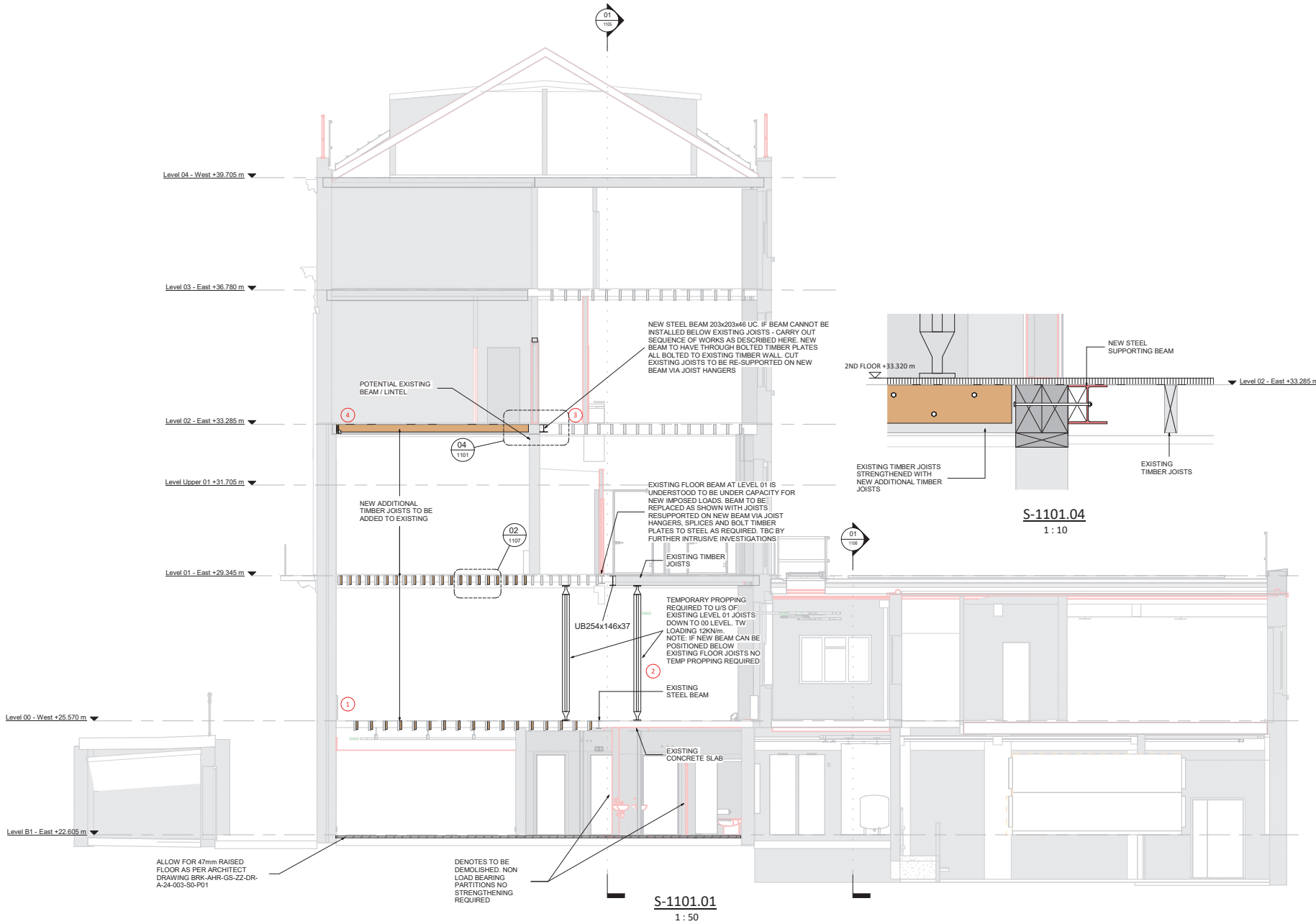
Department of Estates and Facilities
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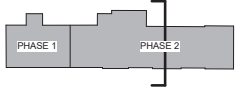
HYDROCK PROJECT NO. C-14299		SCALE @ A1 As indicated	
STATUS DESCRIPTION SUITABLE FOR COSTING			STATUS D1
DRAWING NO. (PROJECT - ORIGINATOR - VOLUME - LEVEL - TYPE - ROLE - NUMBER) BRK-HYD-GS-XX-DR-S-1018			REVISION P3

SEQUENCE OF WORKS -

1. EXISTING GROUND FLOOR JOISTS TO BE STRENGTHENED WITH ADDITIONAL TIMBER JOISTS AS PER DETAIL S-1101.03
2. TEMPORARY PROPPING INSTALLED TO ENABLE REPLACEMENT OF EXISTING FLOOR BEAM
3. INSTALL NEW STRENGTHENING BEAM TO BASE OF LOAD BEARING STUD WALL
4. STRENGTHEN EXISTING SECOND FLOOR WITH ADDITIONAL JOISTS AS PER DETAIL S-1101.03



KEY



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NEW STEEL BEAMS TO BE GRADE S355 PRE-DRILLED THROUGH WEB AND TOP FLANGE FOR M10 600mm c/c. ALLOW FOR CONCRETE PADSTONE. NEW TIMBER MEMBERS TO BE GRADE C24

WHERE NEW TIMBER FLOOR IS INSTALLED DIAPHRAGM TO BE REINSTATED BY A FULLY FIXED 18mm PLY DECK FIXED TO ALL JOISTS, NOGGINS, WALL PLATES AND STEEL BEAMS. STRENGTHENING TO EXISTING FLOORS TO HAVE EXISTING FLOOR BOARDS REINSTATED

EXISTING FLOOR JOISTS MAY HAVE SUFFERED FROM DECAY, CRACKING OR DAMP DUE TO PREVIOUS LEAKS OR OVERLOADING. 5% ALLOWANCE SHOULD BE MADE FOR POSSIBLE REPAIRING/STRENGTHENING/REPLACING OF EXISTING DAMAGED JOISTS

STONE FACADE AND BALCONIES REPAIRS PENDING FURTHER INVESTIGATIONS/SUBCONTRACTOR ENGAGEMENT

ALLOW FOR MAKING GOOD OF EXISTING SLABS WHERE EXISTING WALLS ARE BEING REMOVED

REVISIONS

REV	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE
P4	RIBA 3					
	G.SANDERS	18/10/21	A.JOHNSTON	18/10/21	P.HALL	18/10/21
P3	PRE-RIBA 3 COMMENTS					
	L.BARNES	12/10/21	A.JOHNSTON	12/10/21	A.JOHNSTON	12/10/21
P2	UPDATED AS CLOUDED					
	F.BOYLETT	21.05.20	G.BERTOGALLI	21.05.20	P.HALL	21.05.20
P1	ISSUED FOR COSTING					
	F.BOYLETT	07/05/20	G.BERTOGALLI	07/05/20	P.HALL	07/05/20
	REVISION NOTES/COMMENTS					

Hydrock
Merchants' House North
Wrapping Road
Bristol
BS1 4RW
t: +44(0)117 945 9225
e: bristolcentral@hydrock.com

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AHR ARCHITECTS

PROJECT

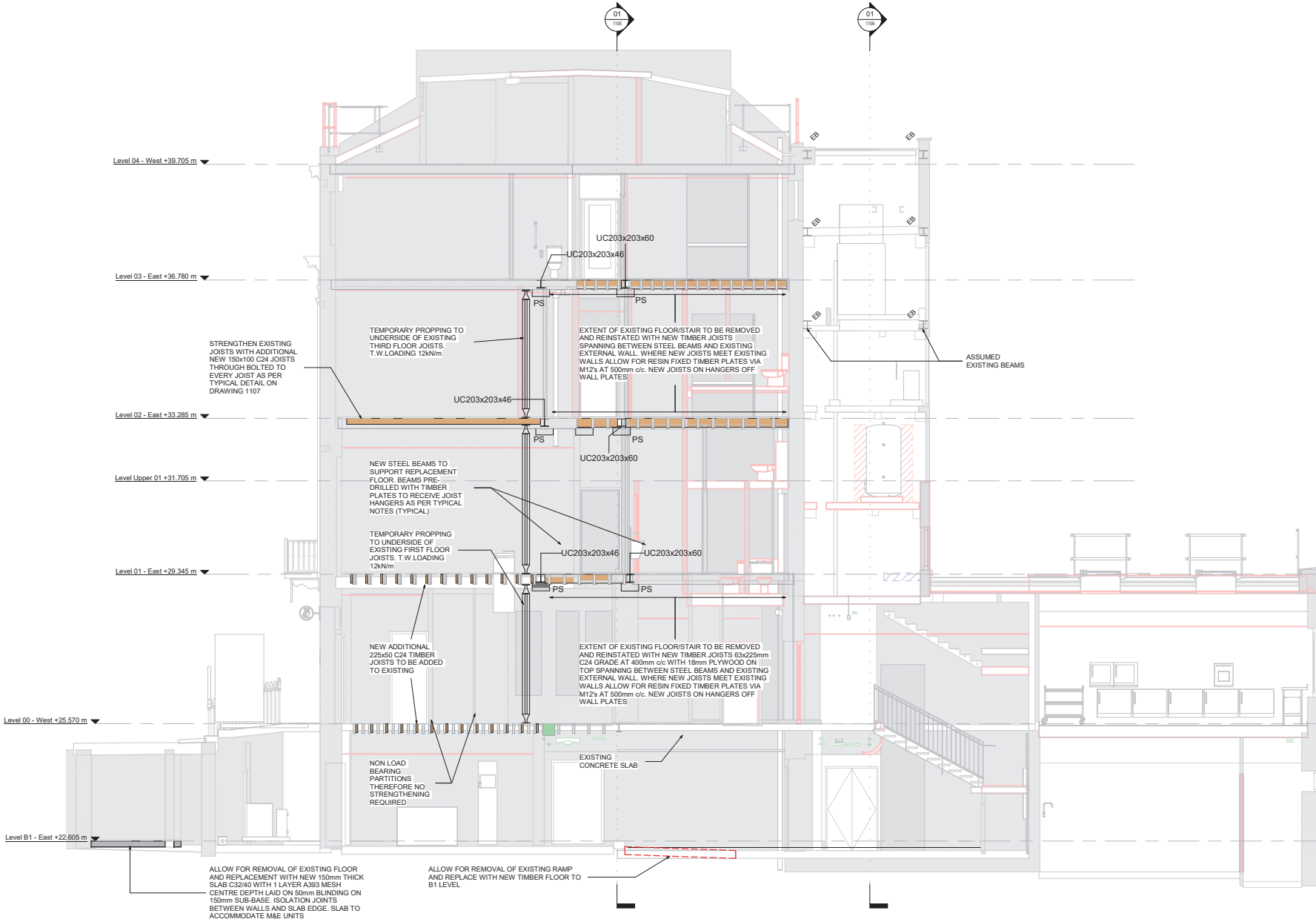
GORDON SQUARE, LONDON

TITLE

Section Sheet 1 - Building No. 45

Birkbeck College
University of London
Department of Estates and Facilities
Malet Street
London WC1E 7HX
Tel : 0171 631 6015
Fax : 0171 631 6019

HYDROCK PROJECT NO. C-14299	SCALE @ A1 As indicated	STATUS D1
SUITABLE FOR COSTING	REVISION P4	
DRAWING NO. BRK-HYD-GS-XX-DR-S-1101	PROJECT - ORIGINATOR - VOLUME - LEVEL - TYPE - ROLE - NUMBER	



S-1102.01
1:50

KEY

PHASE 1

PHASE 2

NOTES

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NEW STEEL BEAMS TO BE GRADE S355 PRE-DRILLED THROUGH WEB AND TOP FLANGE FOR M10 600mm c/c. ALLOW FOR CONCRETE PADSTONE. NEW TIMBER MEMBERS TO BE GRADE C24

WHERE NEW TIMBER FLOOR IS INSTALLED DIAPHRAGM TO BE REINSTATED BY A FULLY FIXED 18mm PLY DECK FIXED TO ALL JOISTS, NOGGINS, WALL PLATES AND STEEL BEAMS. STRENGTHENING TO EXISTING FLOORS TO HAVE EXISTING FLOOR BOARDS REINSTATED

EXISTING FLOOR JOISTS MAY HAVE SUFFERED FROM DECAY, CRACKING OR DAMP DUE TO PREVIOUS LEAKS OR OVERLOADING. 5% ALLOWANCE SHOULD BE MADE FOR POSSIBLE REPAIRING/STRENGTHENING/REPLACING OF EXISTING DAMAGED JOISTS

STONE FACADE AND BALCONIES REPAIRS PENDING FURTHER INVESTIGATIONS/SUBCONTRACTOR ENGAGEMENT

ALLOW FOR MAKING GOOD OF EXISTING SLABS WHERE EXISTING WALLS ARE BEING REMOVED

REVISIONS

	RIBA 3					
P3	E.SANDERS	18/10/21	A.JOHNSTON	18/10/21	P.HALL	18/10/21
	PRE-RIBA 3 COMMENTS					
P2	L.BARNES	12/10/21	A.JOHNSTON	12/10/21	A.JOHNSTON	12/10/21
	ISSUED FOR COSTING					
P1	F.BOYLETT	21.05.20	G.BERTOGALLI	21.05.20	P.HALL	21.05.20
REV	REVISION NOTES/COMMENTS					
	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE

Hydrock

Merchants' House North
Wrapping Road
Bristol
BS1 4RW
t: +44(0)117 945 9225
e: bristolcentral@hydrock.com

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AHR ARCHITECTS

PROJECT

GORDON SQUARE, LONDON

TITLE

Section Sheet 2 - Building No. 43

Birkbeck College
University of London

Department of Estates and Facilities
Malet Street
London WC1E 7HX
Tel : 0171 631 6015
Fax : 0171 631 6019

HYDROCK PROJECT NO.

C-14299

SCALE @ A1

As indicated

STATUS DESCRIPTION

SUITABLE FOR COSTING

DRAWING NO.

BRK-HYD-GS-XX-DR-S-1102

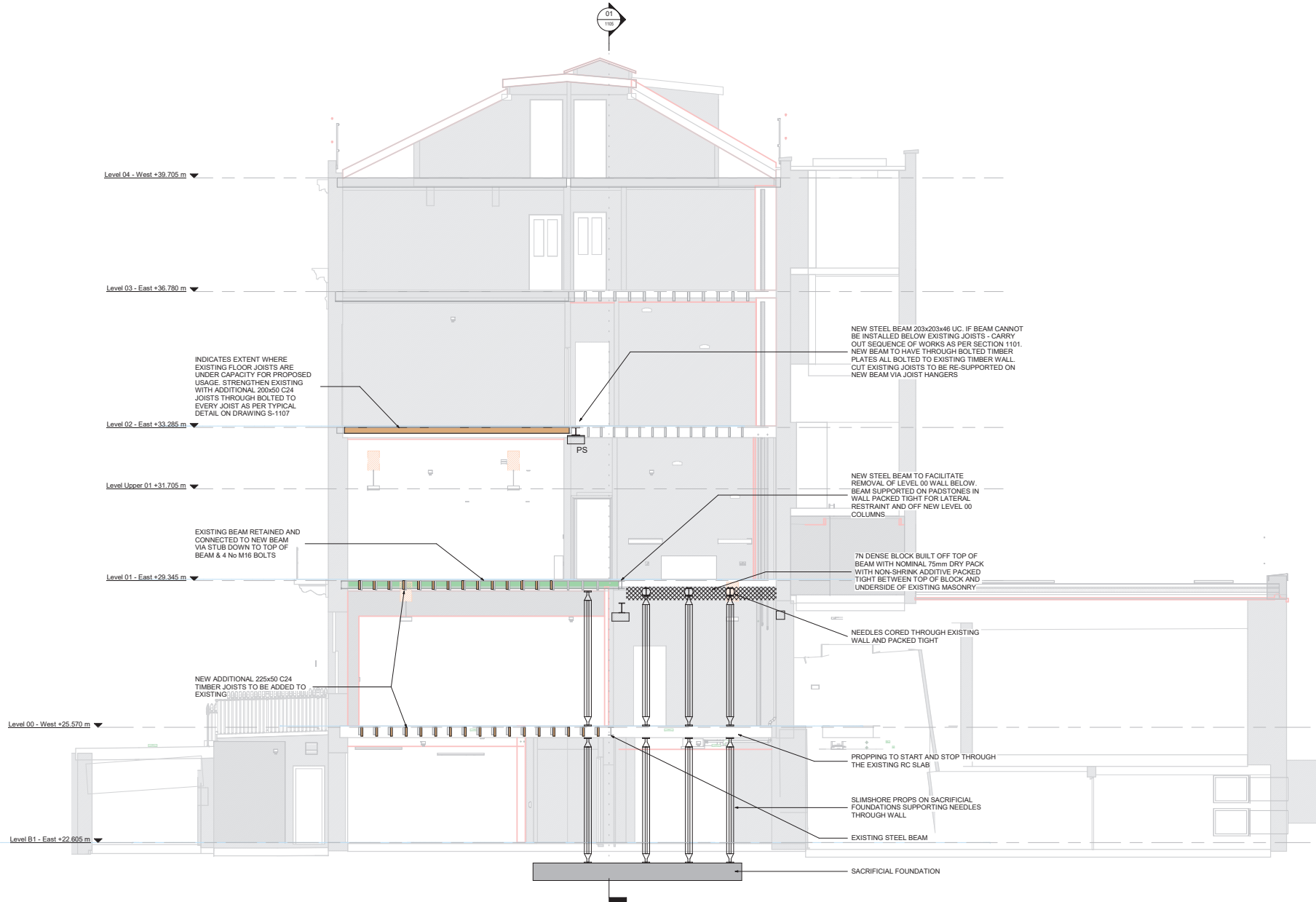
STATUS

D1

REVISION

P3

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S-1103.01
1 : 50

KEY

NOTES

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NEW STEEL BEAMS TO BE GRADE S355 PRE-DRILLED THROUGH WEB AND TOP FLANGE FOR M10 600mm c/c. ALLOW FOR CONCRETE PADSTONE. NEW TIMBER MEMBERS TO BE GRADE C24

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STONE FACADE AND BALCONIES REPAIRS PENDING FURTHER INVESTIGATIONS/SUBCONTRACTOR ENGAGEMENT

ALLOW FOR MAKING GOOD OF EXISTING SLABS WHERE EXISTING WALLS ARE BEING REMOVED

REVISIONS

	RIBA 3					
P3	E.SANDERS	18/10/21	A.JOHNSTON	18/10/21	P.HALL	18/10/21
P2	PRE-RIBA 3 COMMENTS					
	L.BARNES	12/10/21	A.JOHNSTON	12/10/21	A.JOHNSTON	12/10/21
P1	ISSUED FOR COSTING					
	F.BOYLETT	21.05.20	G.BERTOGALLI	21.05.20	P.HALL	21.05.20
REV	REVISION NOTES/COMMENTS					
	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE

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AHR ARCHITECTS

PROJECT

GORDON SQUARE, LONDON

TITLE

Section Sheet 3 - Building No. 40

Birkbeck College
University of London

Department of Estates and Facilities
Malet Street
London WC1E 7HX

Tel : 0171 631 6015
Fax : 0171 631 6019

HYDROCK PROJECT NO.
C-14299

SCALE @ A1
As indicated

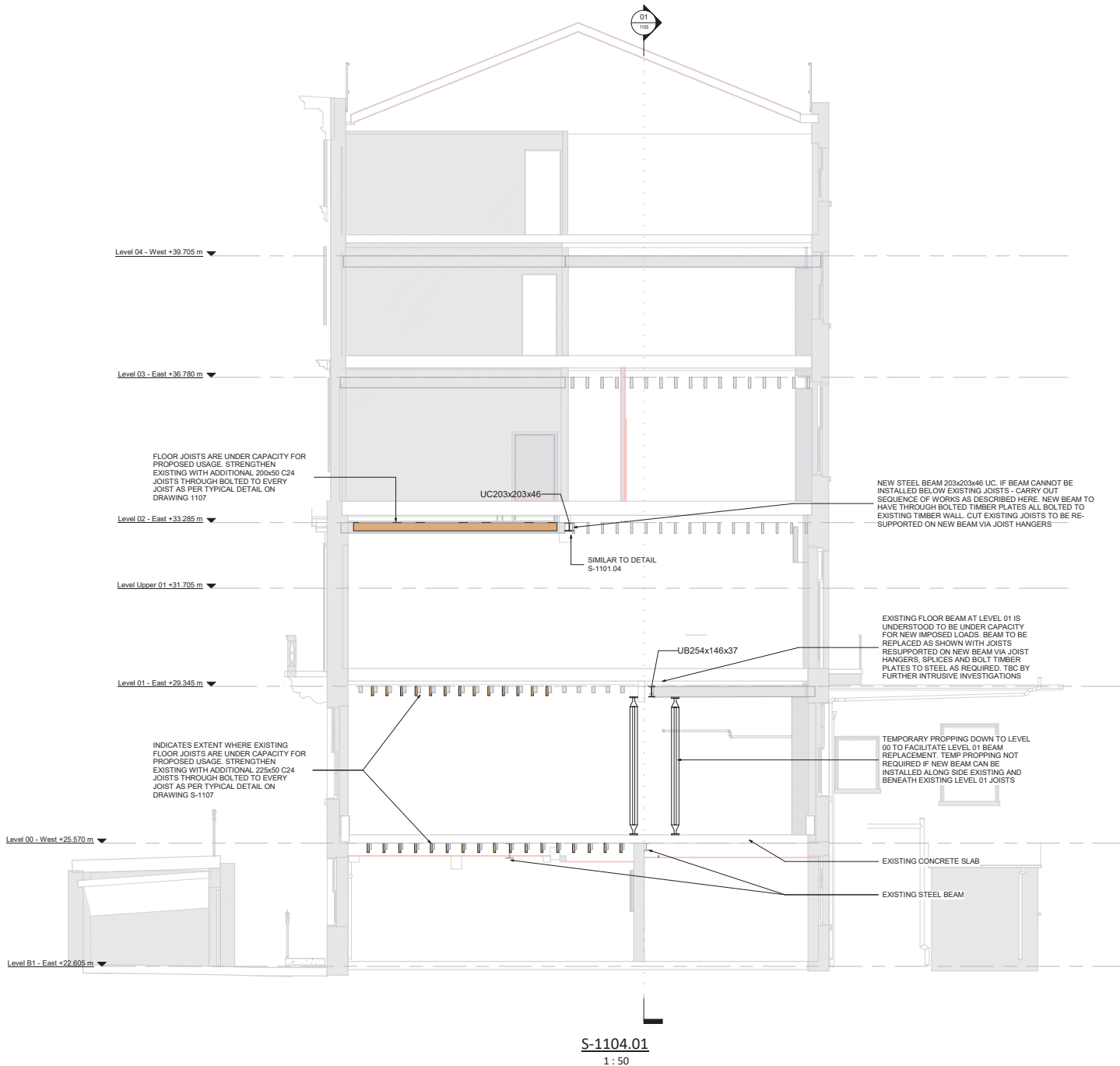
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SUITABLE FOR COSTING

DRAWING NO. (PROJECT - ORIGINATOR - VOLUME - LEVEL - TYPE - ROLE - NUMBER)
BRK-HYD-GS-XX-DR-S-1103

STATUS
D1

REVISION
P3

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S-1104.01
1 : 50

KEY

NOTE

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STONE FACADE AND BALCONIES REPAIRS PENDING FURTHER INVESTIGATIONS/SUBCONTRACTOR ENGAGEMENT

ALLOW FOR MAKING GOOD OF EXISTING SLABS WHERE EXISTING WALLS ARE BEING REMOVED

REVISIONS

REV	DATE	BY	DATE	BY	DATE
P3	18/10/21	E.SANDERS	18/10/21	A.JOHNSTON	18/10/21
P2	12/10/21	L.BARNES	12/10/21	A.JOHNSTON	12/10/21
P1	21.05.20	F.BOYLETT	21.05.20	G.BERTOGALLI	21.05.20

REVISION NOTES/COMMENTS

DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE

RIBA 3

DATE	BY	DATE	BY	DATE	BY
18/10/21	E.SANDERS	18/10/21	A.JOHNSTON	18/10/21	P.HALL

PRE-RIBA 3 COMMENTS

DATE	BY	DATE	BY	DATE	BY
12/10/21	L.BARNES	12/10/21	A.JOHNSTON	12/10/21	A.JOHNSTON

ISSUED FOR COSTING

DATE	BY	DATE	BY	DATE	BY
21.05.20	F.BOYLETT	21.05.20	G.BERTOGALLI	21.05.20	P.HALL

Hydrock

Merchants' House North
Whipping Road
Bristol
BS1 4RW
t: +44(0)117 945 9225
e: bristolcentral@hydrock.com

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AHR ARCHITECTS

PROJECT

GORDON SQUARE, LONDON

TITLE

Section Sheet 4 - Building No. 47

Birkbeck College
University of London
Department of Estates and Facilities
Malet Street
London WC1E 7HX
Tel : 0171 631 6015
Fax : 0171 631 6019

HYDROCK PROJECT NO.
C-14299

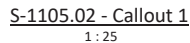
SCALE @ A3
As indicated


STATUS DESCRIPTION
SUITABLE FOR COSTING

DRAWING NO. PROJECT - ORIGINATOR - VOLUME - LEVEL - TYPE - ROLE - NUMBER
BRK-HYD-GS-XX-DR-S-1104

STATUS
D1

REVISION
P3



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HYDROCK PROJECT NO.		SCALE @ A1	
C-14299		As indicated	
STATUS DESCRIPTION		STATUS	
SUITABLE FOR COSTING		D1	
DRAWING NO. (PROJECT - ORIGINATOR - VOLUME - LEVEL - TYPE - ROLE - NUMBER)			
BRK-HYD-XX-XX-DR-S-1105		REVISION	
		P3	



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ALLOW FOR MAKING GOOD OF EXISTING SLABS WHERE EXISTING WALLS ARE BEING REMOVED

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 Merchants' House North
Wapping Road
Bristol
BS1 4RW
t: +44(0)117 945 9225
e: bristolcentral@hydrock.com

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PROJECT

GORDON SQUARE, LONDON

TITLE

Section Sheet 6

Birkbeck College
University of London

Department of Estates and Facilities
Malet Street
London WC1E 7HX
Tel : 0171 631 6015
Fax : 0171 631 6019



HYDROCK PROJECT NO.
C-14299

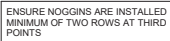
SCALE @ A1
As indicated

STATUS DESCRIPTION
SUITABLE FOR COSTING

STATUS

DRAWING NO. (PROJECT - ORIGINATOR - VOLUME - LEVEL - TYPE - ROOM)
BRK-HYD-GS-XX-DR-S-1106

REVISIO
p3



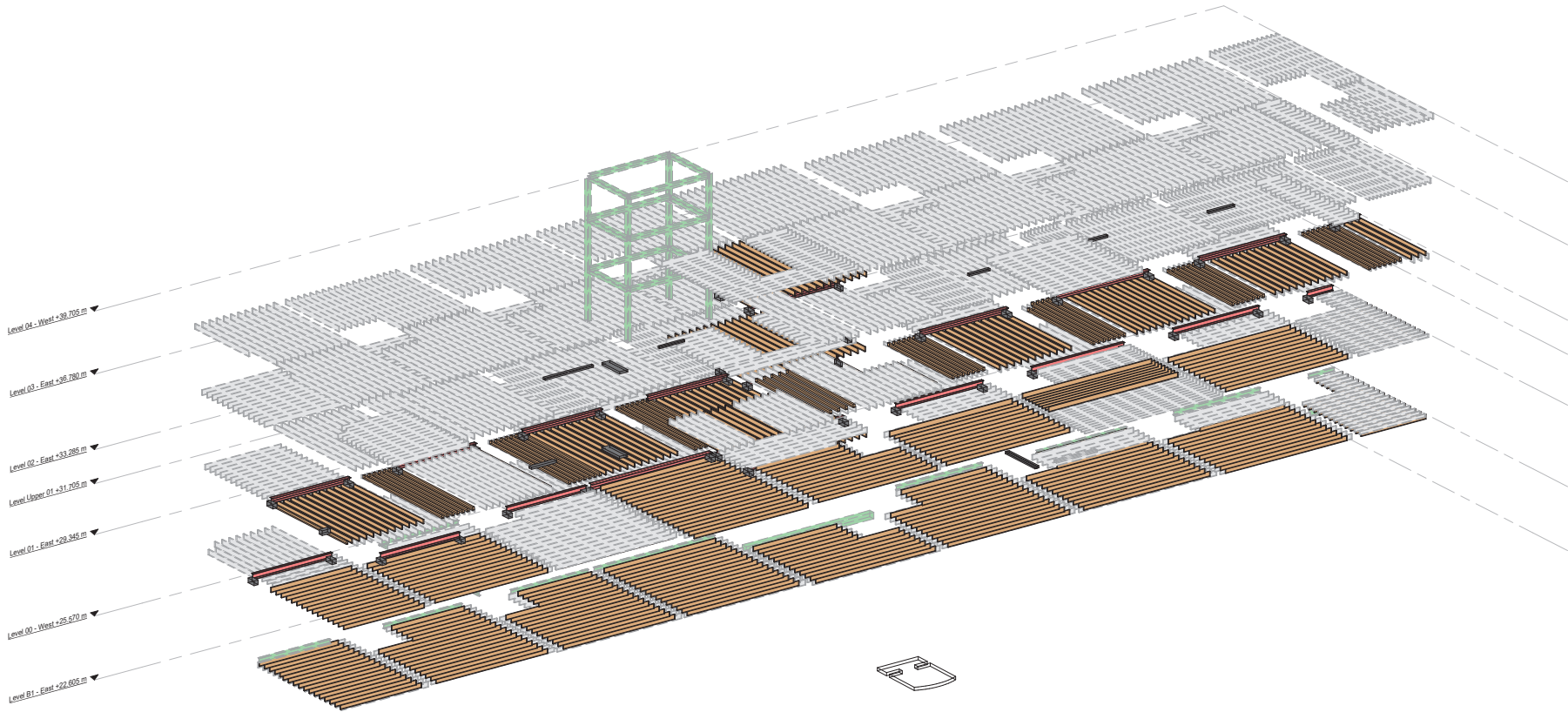
1 : 10



SERVICES THROUGH JOISTS HAVE BEEN COORDINATED WITH M&E ENGINEERS TO COMPLY WITH THE GUIDANCE FROM THE CODE TO AVOID STRENGTHENING WHERE POSSIBLE. THE 250x50mm REFRIGERANT TRAY AT FIRST FLOOR THAT RUNS THROUGH NOTCH IN TOP OF BEAM DOESN'T FOLLOW THE GUIDANCE ABOVE. THEREFORE, STRENGTHENING OF EXISTING JOISTS IS REQUIRED. IN THIS CASE ALLOW FOR A 400mm STEEL PLATE 10mm THICK TO BE THROUGH BOLTED ONTO EXISTING JOISTS.

- MAX HOLE DIAMETER 0.25 x DEPTH OF JOIST
- HOLES SPACED NO LESS THAN 3 x HOE DIAMETER APART
- HOLES TO BE POSITIONED CENTRE DEPTH OF JOIST





NEW STRUCTURE ISOMETRIC VIEW

KEY

NOTES

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REVISIONS

P2	PRE-RIBA 3 COMMENTS					
	L.BARNES	12/10/21	A.JOHNSTON	12/10/21	A.JOHNSTON	12/10/21
P1	ISSUED FOR COSTING					
	F.BOYLETT	21.05.20	G.BERTOGALLI	21.05.20	P.HALL	21.05.20
REVISION NOTES/COMMENTS						
REV	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE

Hydrock

Merchants' House North
Wrapping Road
Bristol
BS1 4RW
t: +44(0)117 945 9225
e: bristolcentral@hydrock.com

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AHR ARCHITECTS

PROJECT

GORDON SQUARE, LONDON

TITLE

Isometric View

Birkbeck College
University of London

Department of Estates and Facilities
Malet Street
London WC1E 7HX
Tel : 0171 631 6015
Fax : 0171 631 6019

HYDROCK PROJECT NO. C-14299		SCALE @ A1	
STATUS DESCRIPTION SUITABLE FOR COSTING			STATUS D1
DRAWING NO. BRK-HYD-GS-XX-DR-S-6000	PROJECT ORIGINATOR VOLUME LEVEL TYPE ROLE NUMBER	REVISION P2	

Appendix D: Civils drawings



ALS Sewer Map Key

Public Sewer Types (Operated & Maintained by Thames Water)

	Foul: A sewer designed to convey waste water from domestic and industrial sources to a treatment works.		
	Surface Water: A sewer designed to convey surface water (e.g. rain water from roofs, yards and car parks) to rivers or watercourses.		
	Combined: A sewer designed to convey both waste water and surface water from domestic and industrial sources to a treatment works.		
	Trunk Surface Water		Trunk Foul
	Storm Relief		Trunk Combined
	Vent Pipe		Bio-solids (Sludge)
	Proposed Thames Surface Water Sewer		Proposed Thames Water Foul Sewer
	Gallery		Foul Rising Main
	Surface Water Rising Main		Combined Rising Main
	Sludge Rising Main		Proposed Thames Water Rising Main
	Vacuum		

Notes:

- 1) All levels associated with the plans are to Ordnance Datum Newlyn.
- 2) All measurements on the plans are metric.
- 3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate direction of flow.
- 4) Most private pipes are not shown on our plans, as in the past, this information has not been recorded.
- 5) 'na' or '0' on a manhole level indicates that data is unavailable.

Sewer Fittings

A feature in a sewer that does not affect the flow in the pipe. Example: a vent is a fitting as the function of a vent is to release excess gas.

	Air Valve
	Dam Chase
	Fitting
	Meter
	Vent Column

Operational Controls

A feature in a sewer that changes or diverts the flow in the sewer. Example: A hydrobrake limits the flow passing downstream.

	Control Valve
	Drop Pipe
	Ancillary
	Weir

End Items

End symbols appear at the start or end of a sewer pipe. Examples: an Undefined End at the start of a sewer indicates that Thames Water has no knowledge of the position of the sewer upstream of that symbol, Outfall on a surface water sewer indicates that the pipe discharges into a stream or river.

	Outfall
	Undefined End
	Inlet

Other Symbols

Symbols used on maps which do not fall under other general categories

	Public/Private Pumping Station
	Change of characteristic indicator (C.O.C.I.)
	Invert Level
	Summit

Areas

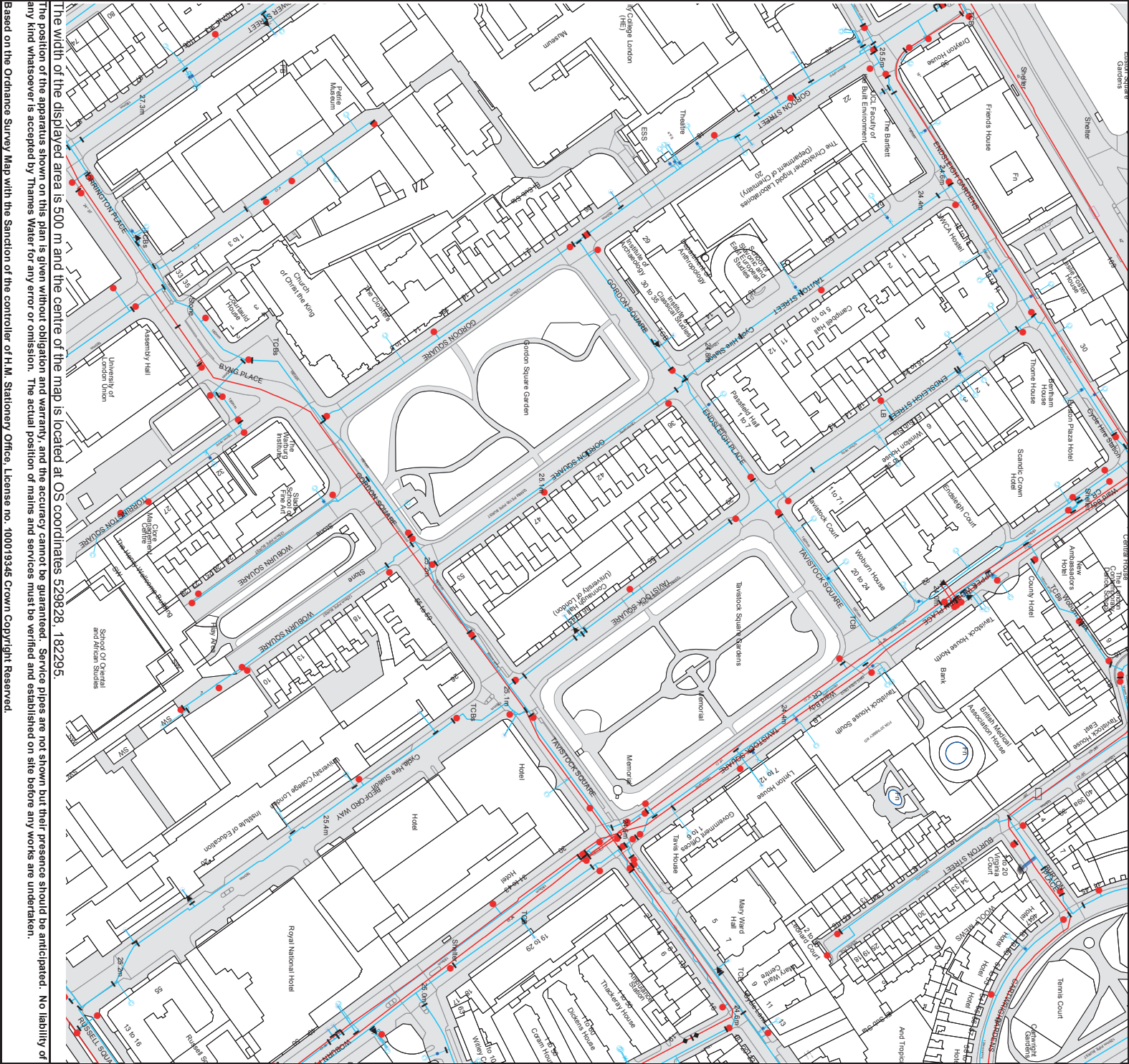
Lines denoting areas of underground surveys, etc.

	Agreement
	Operational Site
	Chamber
	Tunnel
	Conduit Bridge

Other Sewer Types (Not Operated or Maintained by Thames Water)

	Foul Sewer		Surface Water Sewer
	Combined Sewer		Gully
	Culverted Watercourse		Proposed
			Abandoned Sewer

Asset Location Search Water Map - ALS/ALS Standard/2020 4143478



The width of the displayed area is 500 m and the centre of the map is located at OS coordinates 529828, 182295.

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

Based on the Ordnance Survey Map with the Sanction of the controller of H.M. Stationery Office, License no. 100013345 Crown Copyright Reserved.



ALS Water Map Key

Water Pipes (Operated & Maintained by Thames Water)

4" **Distribution Main:** The most common pipe shown on water maps. With few exceptions, domestic connections are only made to distribution mains.

16" **Trunk Main:** A main carrying water from a source of supply to a treatment plant or reservoir, or from one treatment plant or reservoir to another. Also a main transferring water in bulk to smaller water mains used for supplying individual customers.

3" SUPPLY **Supply Main:** A supply main indicates that the water main is used as a supply for a single property or group of properties.

3" FIRE **Fire Main:** Where a pipe is used as a fire supply, the word FIRE will be displayed along the pipe.

3" METERED **Metered Pipe:** A metered main indicates that the pipe in question supplies water for a single property or group of properties and that quantity of water passing through the pipe is metered even though there may be no meter symbol shown.

Transmission Tunnel: A very large diameter water pipe. Most tunnels are buried very deep underground. These pipes are not expected to affect the structural integrity of buildings shown on the map provided.

Proposed Main: A main that is still in the planning stages or in the process of being laid. More details of the proposed main and its reference number are generally included near the main.

PIPE DIAMETER

Up to 300mm (12")

300mm - 600mm (12" - 24")

600mm and bigger (24" plus)

DEPTH BELOW GROUND

900mm (3')

1100mm (3' 8")

1200mm (4')

Valves

- General Purpose Valve
- Air Valve
- Pressure Control Valve
- Customer Valve

Hydrants

- Single Hydrant

Meters

- Meter

End Items

Symbol indicating what happens at the end of a water main.

- Blank Flange
- Capped End
- Emptying Pit
- Undefined End
- Manifold
- Customer Supply
- Fire Supply

Operational Sites

- Booster Station
- Other
- Other (Proposed)
- Pumping Station
- Service Reservoir
- Shaft Inspection
- Treatment Works
- Unknown
- Water Tower

Other Symbols

- Data Logger

Other Water Pipes (Not Operated or Maintained by Thames Water)

Other Water Company Main: Occasionally other water company water pipes may overlap the border of our clean water coverage area. These mains are denoted in purple and in most cases have the owner of the pipe displayed along them.

Private Main: Indicates that the water main in question is not owned by Thames Water. These mains normally have text associated with them indicating the diameter and owner of the pipe.