

1 Tony Wilson Place Manchester, M15 4FN

Proposed Building Refurbishment Planning Noise Ingress Assessment

Report ref.

RK3846/24311/Rev 0

Issued to

Resero

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1. INTRODUCTION

Resero's client is seeking planning permission to refurbish 1 Tony Wilson Place in Manchester. The site is located in a sensitive area and the works involve making changes to the building façade. Consequently, a noise ingress assessment is required.

Accordingly, Spectrum Acoustic Consultants has been commissioned by Resero to carry out a noise assessment for the purpose of establishing the potential noise impact on the building. This report is submitted with the intention of providing the sufficient information required to both inform and satisfy the requirements of the Local Planning Authority.

2. SITE DESCRIPTION AND PROPOSALS

The proposed development site is located at 1 Tony Wilson Place, Manchester, M15 4FN. The seven-storey high commercial office building is bounded to the north by Tony Wilson Place, beyond which are a number of commercial buildings, as well as a hotel (INNSiDE) operated by Meliá. To the east of the site is a multi-storey car park and an eleven-storey high student accommodation building. To the west of the site is an eight-storey high office building. First Street bounds the site to the south which has a number of office buildings currently undergoing construction. An existing site location plan is included in Appendix A.

Proposals involve removing some of the existing façade materials and replacing them with new materials. The ground floor is having significant works, it is changing from predominantly office accommodation to include changing facilities, a business lounge, a bike store etc. The upper floors 1-6 will be fitted to CAT A. Proposed scheme drawings are included in Appendix B.

3. ASSESSMENT CRITERIA

BS 8233:2014 *Guidance on sound insulation and noise reduction for buildings* gives guidance on indoor ambient noise levels to be achieved.

For each space there might be a range of noise levels that are considered acceptable. In noise-making workshops, etc., the activity noise is dominant and so the internal ambient noise level is not critical. In most other situations internal ambient noise is important.

In some cases, such as open-plan offices and restaurants, a moderate noise level might provide masking for acoustic privacy in shared spaces without causing disturbance, so upper and lower noise levels should be considered (see Table 1).

Objective	Typical situations	Design range $L_{Aeq,T}$ dB
Typical noise levels for acoustic privacy in shared spaces	Open plan office	45-50

Table 1: Indoor ambient noise levels in spaces when they are unoccupied and privacy is also important

The ambient noise levels in non-domestic buildings should not normally exceed the design ranges given in Table 2.



Activity	Location	Design range $L_{Aeq,T}$ dB
Study and work requiring concentration	Staff/meeting room, training room	35-45
	Executive office	35-40

Table 2: Typical noise levels in non-domestic buildings

4. AMBIENT NOISE MEASUREMENT SURVEY

4.1 MEASUREMENT LOCATIONS

For the purpose of the noise assessment, the following noise measurement locations have been identified as being representative of the most sensitive facades of the building:

- Position 1 – Eastern façade of the building facing the Vita Student Accommodation.
- Position 2 – Northern façade of the building facing Tony Wilson Place.
- Position 3 – Western façade of the building facing First Street.
- Position 4 – Southern façade of the building facing River Street.

The measurement locations are illustrated on the existing site location plan, included in Appendix A.

4.2 NOISE SURVEY DETAILS AND INSTRUMENTATION

The background noise measurement survey, completed for providing information to use in the noise impact assessment, was carried out on Wednesday 12 February 2025. The noise survey consisted of attended measurements carried out during the daytime period when the offices will be occupied. The noise measurements were recorded in terms of 5-minute periods, at 1.5m above ground.

The parameters recorded during the measurement survey included L_{Aeq} , L_{A90} and L_{AFmax} . In accordance with BS 4142 guidance, L_{A90} is used for describing background noise. L_{Aeq} is used to describe the ambient noise level, with L_{Amax} representing the maximum noise level measured during the sample period.

The following instrumentation was used during the noise measurement survey:

- Bruel & Kjaer Type 2250 Sound Level Meter s/n 2739650
- Bruel & Kjaer Type 4189 Microphone s/n 2983518
- Bruel & Kjaer Type 4231 Acoustic Calibrator s/n 3030452

Before and after the survey, the sound level meter was field-calibrated in accordance with the manufacturer's guidelines, and no significant drift was observed. The meter, microphone and field calibrator are laboratory calibrated biennially in accordance with UKAS procedures or to traceable National Standards.

During the noise survey, the weather was mild and dry. Wind speeds were low. The conditions were adequate for noise measurement purposes.



4.3 NOISE SURVEY RESULTS

During the survey, ambient noise levels were controlled by distant road traffic movements on nearby roads, plant noise emanating from other nearby premises, as well as general street noise. Environmental noise record sheets detailing a full breakdown of the noise measurements are included in Appendix C.

Table 3 shows a summary of the ambient noise levels at the noise measurement locations.

Noise Measurement Location (NML)	Ambient Noise Level L_{Aeq} (dB)
Position 1 – Eastern façade of the building facing the Vita Student Accommodation.	60
Position 2 – Northern façade of the building facing Tony Wilson Place.	58
Position 3 – Western façade of the building facing First Street.	59
Position 4 – Southern façade of the building facing River Street	60

Table 3: Summary of ambient noise levels

5. ASSESSMENT OF NOISE IMPACT

Internal noise levels can be calculated from external noise levels, given the size and construction of the building façade elements including glazing and ventilation, as well as acoustic properties of the receiving room, such as the volume and reverberation time. Usually, it is the glazing and, depending upon the particular strategy, the ventilation apertures that admit most noise into habitable rooms. It is then a matter of providing façade elements with adequate acoustic performance to achieve sufficient noise reduction to meet the internal noise target.

The method that has been followed is described in Annex G2.1 of *BS 8233:2014 Guidance on sound insulation and noise reduction for buildings*.

The analysis carried out here assumes typical internal finishes for the type of rooms considered, based on acoustic properties Spectrum have measured in a range of occupied dwellings.

Sound insulation data for the façade elements have been taken from sources such as standard data provided by BRE and DETR, Spectrum library of measurement data, calculations using Marshall Day's *Insul* software as well as manufacturer's data and the BRE/CIRIA publication 'Sound Control for Homes'. Based on the internal layout drawings for the proposed scheme, sample intrusive noise calculations for the most noise-exposed rooms of the development, based on the room and façade dimensions are included in Appendix D. The calculations have been carried out in order to establish if the guideline internal noise levels can be achieved. This is summarised in Table 4.



Sample room	External Incident Noise Levels L_{Aeq} (dB)	Calculated Internal Noise Levels L_{Aeq} (dB)	Guideline Internal Noise Limit (dB)
Ground Floor			
Room 885m ²	59	30	45-50
Room 260m ²	60	31	45-50
Studio	60	25	45-50
Upper Floors			
1 st floor Open Plan Office (CAT A)	60	34	45-50
2 nd floor Open Plan Office (CAT A)	60	34	45-50
3 rd floor Open Plan Office (CAT A)	60	34	45-50
4 th floor Open Plan Office (CAT A)	60	34	45-50
5 th floor Open Plan Office (CAT A)	60	34	45-50
6 th floor Open Plan Office (CAT A)	60	34	45-50

Table 4: Calculated indoor ambient noise levels

The results of the calculations indicate that the desirable noise criteria set out in BS 8233 will be achieved at this site with the proposed façade construction in place.

6. CONCLUSIONS

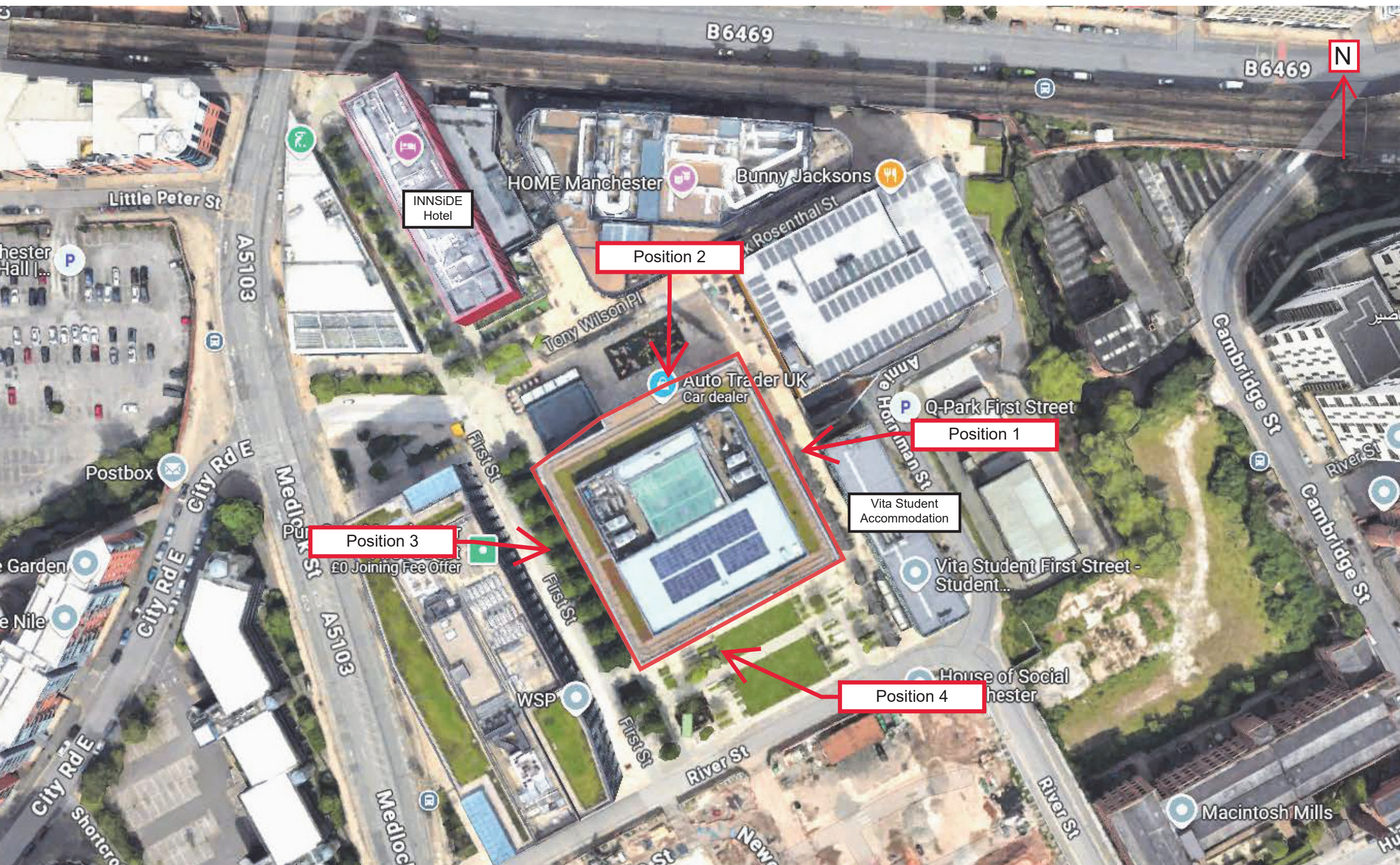
A noise assessment has been completed to consider the potential impact of ambient noise levels at 1 Tony Wilson Place in Manchester.

An ambient noise measurement survey has been conducted at locations representative of the most sensitive facades of the building. Noise ingress calculations have been carried out in order to determine if the guideline noise limits for offices can be achieved, based on the scheme's façade construction proposals.

The assessment has indicated that the development proposals would result in ambient noise levels from external noise sources being comfortably lower than the guideline noise criteria set out in *BS 8233:2014 Guidance on sound insulation and noise reduction for buildings*.

APPENDIX A

Existing Site Location Plan with Measurement Locations



APPENDIX B

Proposed Scheme



NOTES

1.



XX	XX-XX-XX	XX	XX
REV	DATE	DESCRIPTION	BY
 Resero, The Pump House, Cotton Hill, Shrewsbury, SY1 2DP (T) 01743 341903 (W) www.resero.co.uk (E) cad@resero.co.uk X (formerly Twitter) @Resero_UK LinkedIn www.linkedin.com/company/reserouk			
CLIENT			
PROJECT			
1TWP			
TITLE			
GROUND FLOOR			
DATE	XX-XX-XXXX	DRAWN BY	XX
SCALE	1:100	PAPER	A0
STATUS	XXXX-RES-XX-XX-DR-X-0000		
STATUS			REVISION
STATUS			REV

KEY:

Existing Fabric:

(Existing Blockwork retained)

Have blocks?

Disabled Refugees

Unobstructed wheelchair

Extent of new floor until
screed on rigid insulation
laid on top of floor slab
React in conjunction with
01/431 series drawings

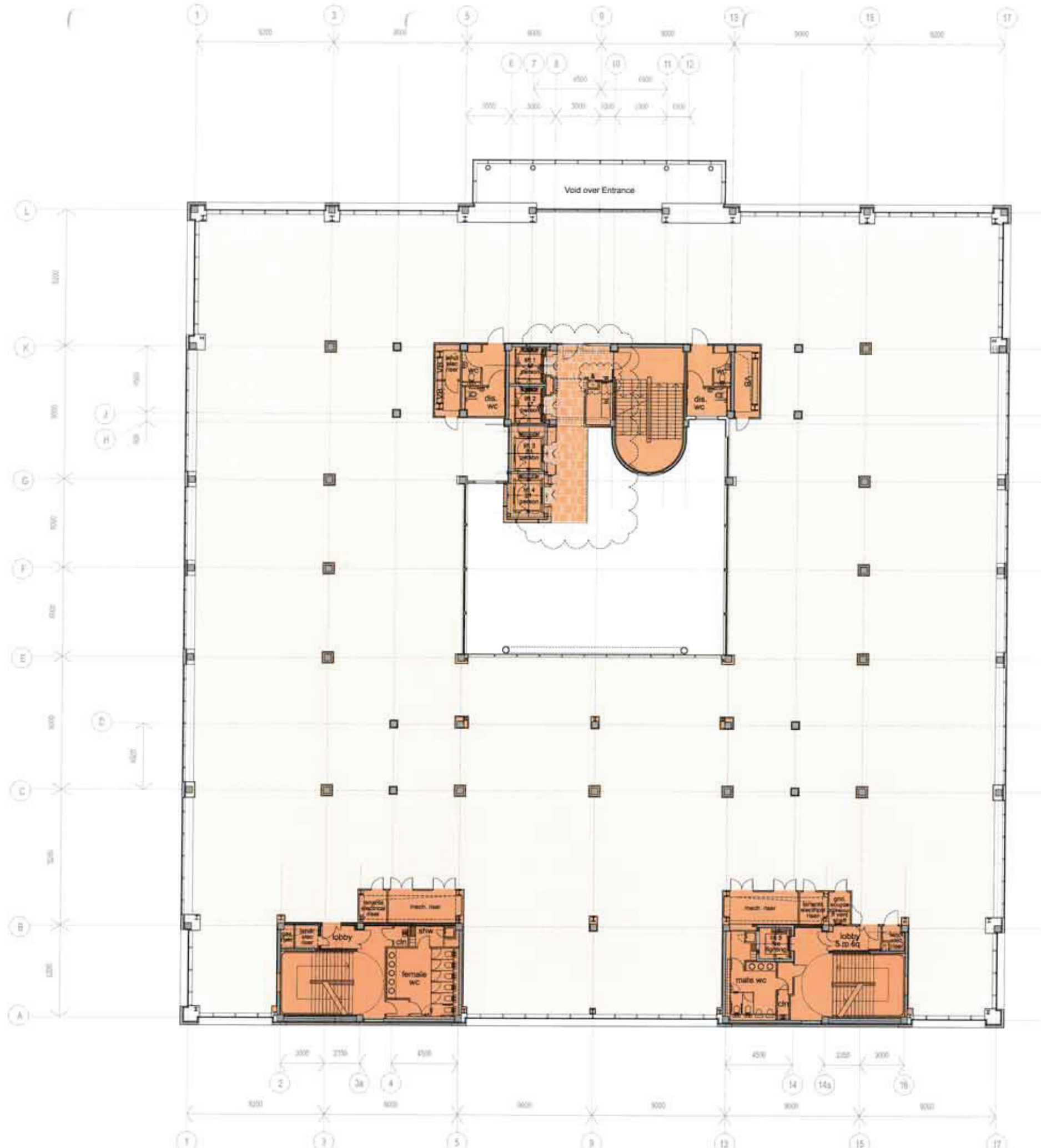
15	Year 10 average	90	90	49.10%
16	Year 11 average	70	70	49.10%
17	Year 12 average	70	70	49.10%
18	Year 13 average	70	70	49.10%
19	Year 14 average	70	70	49.10%
20	Year 15 average	70	70	49.10%
21	Year 16 average	70	70	49.10%
22	Year 17 average	70	70	49.10%
23	Year 18 average	70	70	49.10%
24	Year 19 average	70	70	49.10%
25	Year 20 average	70	70	49.10%
26	Year 21 average	70	70	49.10%
27	Year 22 average	70	70	49.10%
28	Year 23 average	70	70	49.10%
29	Year 24 average	70	70	49.10%
30	Year 25 average	70	70	49.10%
31	Year 26 average	70	70	49.10%
32	Year 27 average	70	70	49.10%
33	Year 28 average	70	70	49.10%
34	Year 29 average	70	70	49.10%
35	Year 30 average	70	70	49.10%
36	Year 31 average	70	70	49.10%
37	Year 32 average	70	70	49.10%
38	Year 33 average	70	70	49.10%
39	Year 34 average	70	70	49.10%
40	Year 35 average	70	70	49.10%
41	Year 36 average	70	70	49.10%
42	Year 37 average	70	70	49.10%
43	Year 38 average	70	70	49.10%
44	Year 39 average	70	70	49.10%
45	Year 40 average	70	70	49.10%
46	Year 41 average	70	70	49.10%
47	Year 42 average	70	70	49.10%
48	Year 43 average	70	70	49.10%
49	Year 44 average	70	70	49.10%
50	Year 45 average	70	70	49.10%
51	Year 46 average	70	70	49.10%
52	Year 47 average	70	70	49.10%
53	Year 48 average	70	70	49.10%
54	Year 49 average	70	70	49.10%
55	Year 50 average	70	70	49.10%
56	Year 51 average	70	70	49.10%
57	Year 52 average	70	70	49.10%
58	Year 53 average	70	70	49.10%
59	Year 54 average	70	70	49.10%
60	Year 55 average	70	70	49.10%
61	Year 56 average	70	70	49.10%
62	Year 57 average	70	70	49.10%
63	Year 58 average	70	70	49.10%
64	Year 59 average	70	70	49.10%
65	Year 60 average	70	70	49.10%
66	Year 61 average	70	70	49.10%
67	Year 62 average	70	70	49.10%
68	Year 63 average	70	70	49.10%
69	Year 64 average	70	70	49.10%
70	Year 65 average	70	70	49.10%
71	Year 66 average	70	70	49.10%
72	Year 67 average	70	70	49.10%
73	Year 68 average	70	70	49.10%
74	Year 69 average	70	70	49.10%
75	Year 70 average	70	70	49.10%
76	Year 71 average	70	70	49.10%
77	Year 72 average	70	70	49.10%
78	Year 73 average	70	70	49.10%
79	Year 74 average	70	70	49.10%
80	Year 75 average	70	70	49.10%
81	Year 76 average	70	70	49.10%
82	Year 77 average	70	70	49.10%
83	Year 78 average	70	70	49.10%
84	Year 79 average	70	70	49.10%
85	Year 80 average	70	70	49.10%
86	Year 81 average	70	70	49.10%
87	Year 82 average	70	70	49.10%
88	Year 83 average	70	70	49.10%
89	Year 84 average	70	70	49.10%
90	Year 85 average	70	70	49.10%
91	Year 86 average	70	70	49.10%
92	Year 87 average	70	70	49.10%
93	Year 88 average	70	70	49.10%
94	Year 89 average	70	70	49.10%
95	Year 90 average	70	70	49.10%
96	Year 91 average	70	70	49.10%
97	Year 92 average	70	70	49.10%
98	Year 93 average	70	70	49.10%
99	Year 94 average	70	70	49.10%
100	Year 95 average	70	70	49.10%
101	Year 96 average	70	70	49.10%
102	Year 97 average	70	70	49.10%
103	Year 98 average	70	70	49.10%
104	Year 99 average	70	70	49.10%
105	Year 100 average	70	70	49.10%

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ALL DIMENSIONS SHOWN ARE IN METERS UNLESS OTHERWISE STATED
ALL DIMENSIONS SHALL BE ROUNDED UP TO THE NEXT WHOLE NUMBER
ALL DIMENSIONS SHALL BE ROUNDED UP TO THE NEXT WHOLE NUMBER
ALL DIMENSIONS SHALL BE ROUNDED UP TO THE NEXT WHOLE NUMBER

NOTES

KEYS

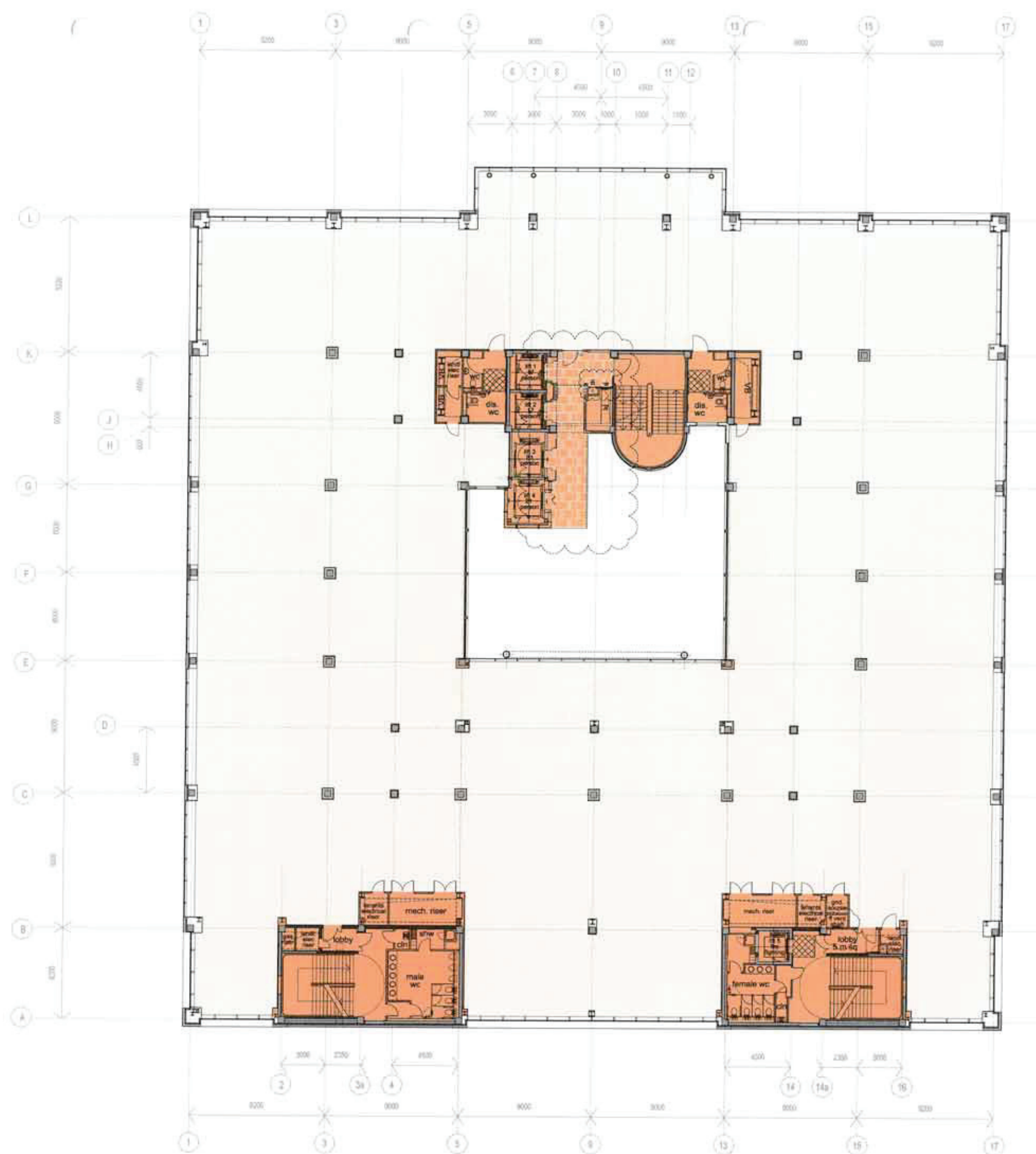
- Existing Fabric
- Existing Blockwork retained
- New blockwork
- Disabled Refuge
- Unobstructed wheelchair turning space
- Void in floor for service riser
- Extent of new floor still 50 mm screed on rigid insulation layed on top of floor slab
- New precast concrete stairs

1	1000	1000	1000
2	1000	1000	1000
3	1000	1000	1000
4	1000	1000	1000
5	1000	1000	1000
6	1000	1000	1000
7	1000	1000	1000
8	1000	1000	1000
9	1000	1000	1000
10	1000	1000	1000
11	1000	1000	1000
12	1000	1000	1000
13	1000	1000	1000
14	1000	1000	1000
15	1000	1000	1000
16	1000	1000	1000
17	1000	1000	1000

AS BUILT

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Plan As Proposed	
Level 1	
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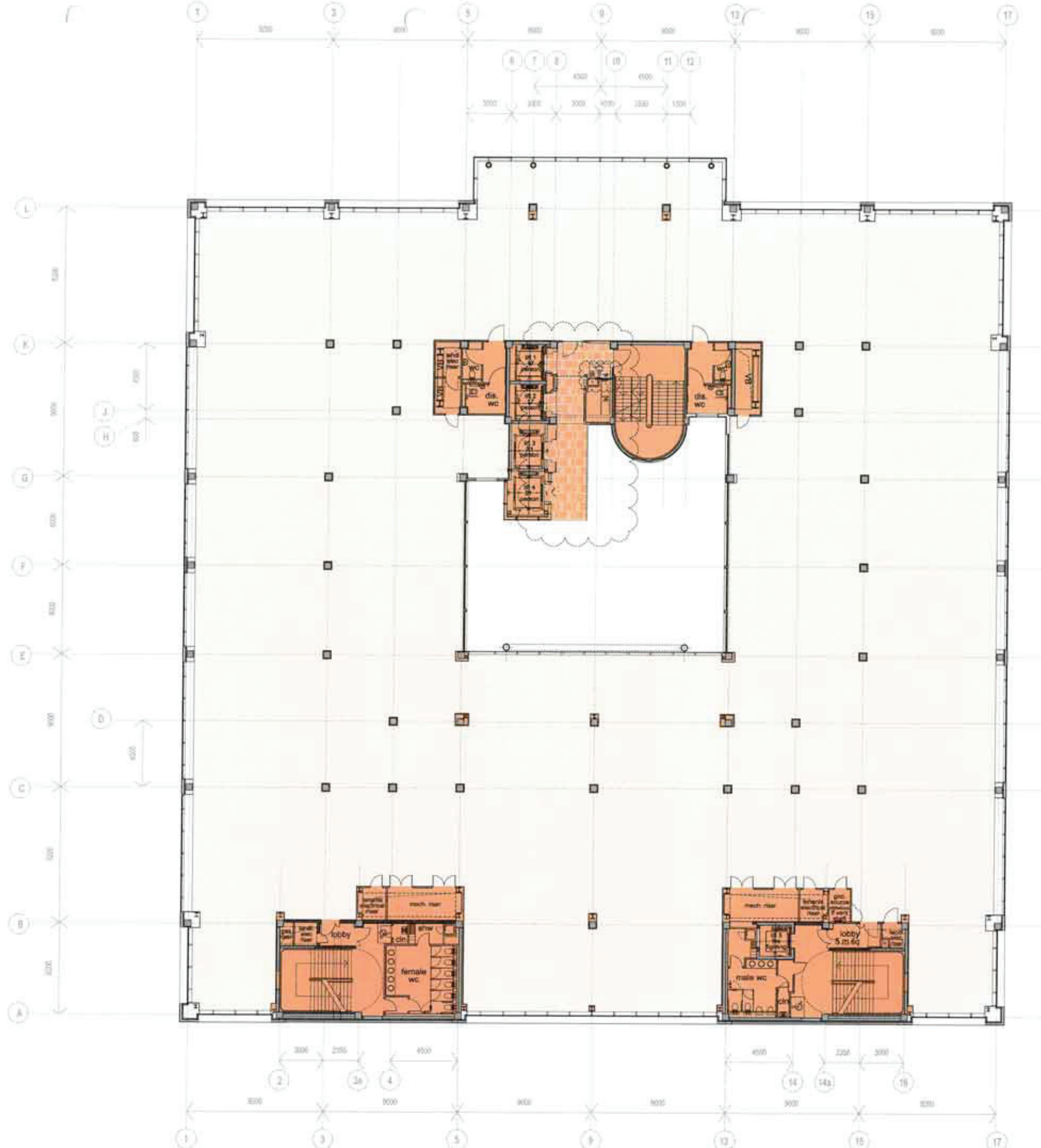
NOTES

KEYS

- Existing Fabric
- Existing Blockwork retained
- New blockwork
- Disabled Refuge
- Unobstructed wheelchair turning space
- Void in floor for service riser
- Extent of new floor infill
50 mm screed on rigid
insulation laid on top
of floor slab

1	1000	1000	1000
2	1000	1000	1000
3	1000	1000	1000
4	1000	1000	1000
5	1000	1000	1000
6	1000	1000	1000
7	1000	1000	1000
8	1000	1000	1000
9	1000	1000	1000
10	1000	1000	1000
11	1000	1000	1000
12	1000	1000	1000
13	1000	1000	1000
14	1000	1000	1000
15	1000	1000	1000
16	1000	1000	1000
17	1000	1000	1000

AS BUILT



ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED
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DIMENSIONS TO CENTRE LINE UNLESS OTHERWISE STATED

NOTES

KEYS

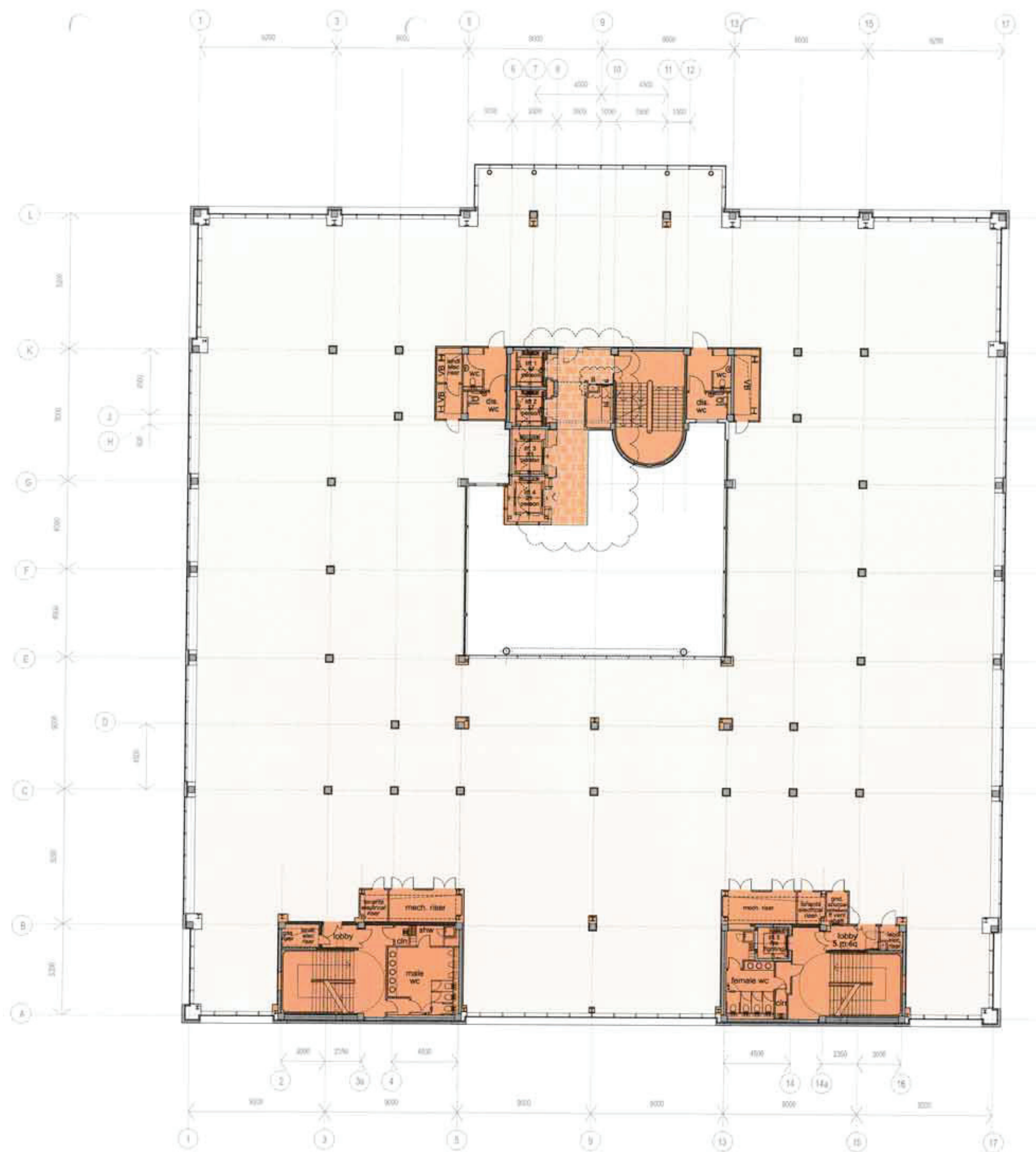
- Existing Fabric
- Existing Blockwork retained
- New Blockwork
- Disabled Refuge
- Unobstructed wheelchair turning space
- Vac in floor for service man
- Extent of new floor with 50 mm screed on rigid insulation (laid on top of floor slab)

1	10	10	10	10
2	10	10	10	10
3	10	10	10	10
4	10	10	10	10
5	10	10	10	10
6	10	10	10	10
7	10	10	10	10
8	10	10	10	10
9	10	10	10	10
10	10	10	10	10
11	10	10	10	10
12	10	10	10	10
13	10	10	10	10
14	10	10	10	10
15	10	10	10	10
16	10	10	10	10
17	10	10	10	10

AS BUILT

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PROJECT	NO 1 CENTRAL SPINE
PROJECT NO	PC000012
DATE	10/01/2012
BY	10/01/2012
FOR	10/01/2012
01(0)-JAP103	K



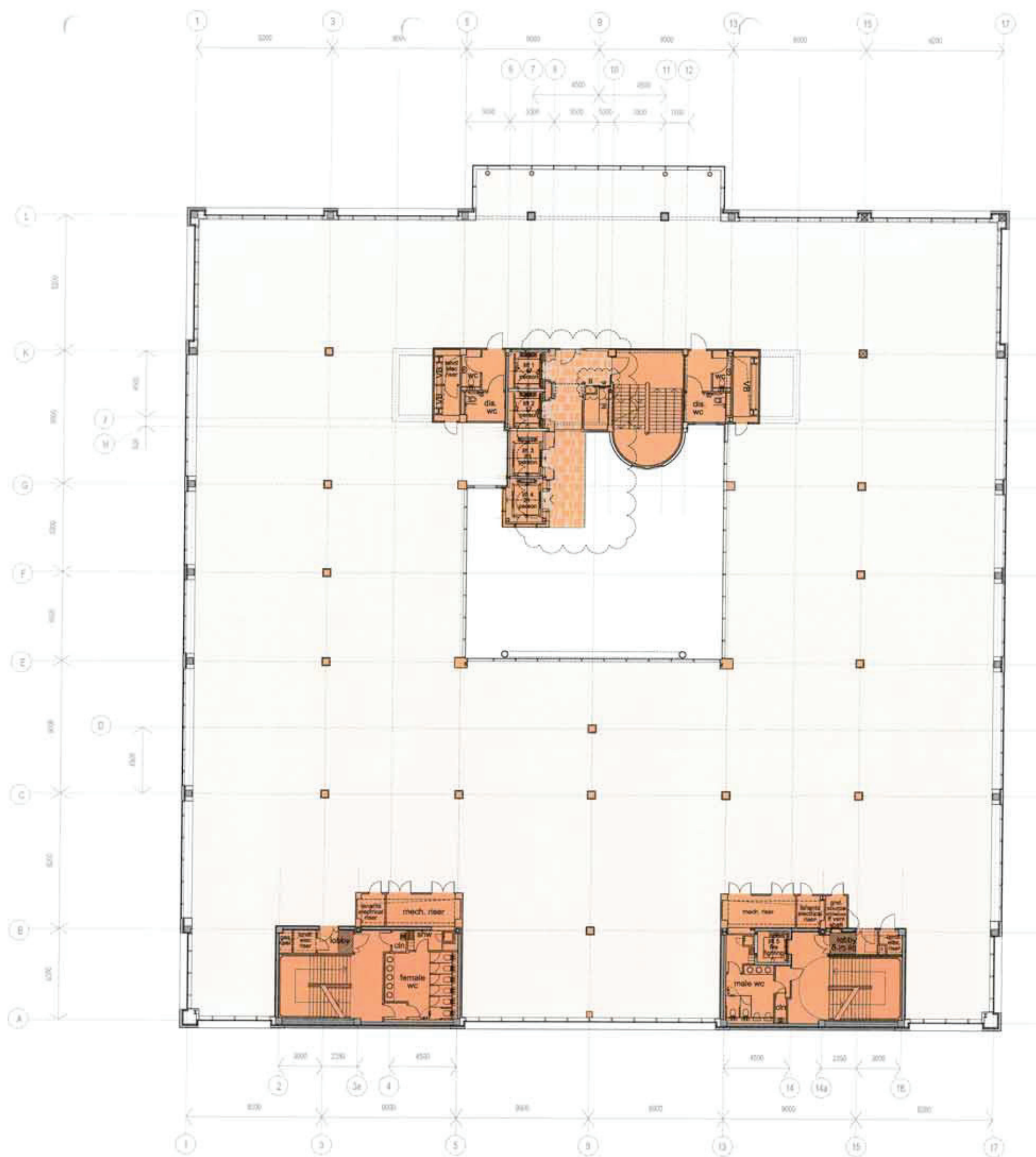
NOTES

KEYS

- Existing Fabric
- Existing Brickwork retained
- New brickwork
- Disabled Refuge
- Unobstructed wheelchair turning space
- Void in floor for service riser
- Extent of new floor in-fill
50 mm screed on rigid insulation (laid on top of floor slab)

1	New floor in lobby. Over-slab to 1st floor. (see also 1st floor drawings for details)	100	100	100
2	Void in floor for service riser	100	100	100
3	Unobstructed wheelchair turning space	100	100	100
4	Extent of new floor in-fill 50 mm screed on rigid insulation (laid on top of floor slab)	100	100	100
5	Unobstructed wheelchair turning space	100	100	100
6	Unobstructed wheelchair turning space	100	100	100
7	Unobstructed wheelchair turning space	100	100	100
8	Unobstructed wheelchair turning space	100	100	100
9	Unobstructed wheelchair turning space	100	100	100
10	Unobstructed wheelchair turning space	100	100	100
11	Unobstructed wheelchair turning space	100	100	100
12	Unobstructed wheelchair turning space	100	100	100
13	Unobstructed wheelchair turning space	100	100	100
14	Unobstructed wheelchair turning space	100	100	100
15	Unobstructed wheelchair turning space	100	100	100
16	Unobstructed wheelchair turning space	100	100	100
17	Unobstructed wheelchair turning space	100	100	100

AS BUILT



NOTES

KEYS

- Existing Fabric
- Existing Blockwork retained
- New blockwork
- Disabled Refuge
- Unobstructed wheelchair turning space
- Void in floor for service riser
- Extent of new floor with 50 mm screed or rigid insulation laid on top of floor slab

1	Area floor to be raised. Area within 1.2m of wall, built over the new foundations of the floor slab.	100	100	100	100
2	Area floor to be raised. Area within 1.2m of wall, built over the new foundations of the floor slab.	100	100	100	100
3	Area floor to be raised. Area within 1.2m of wall, built over the new foundations of the floor slab.	100	100	100	100
4	Area floor to be raised. Area within 1.2m of wall, built over the new foundations of the floor slab.	100	100	100	100
5	Area floor to be raised. Area within 1.2m of wall, built over the new foundations of the floor slab.	100	100	100	100
6	Area floor to be raised. Area within 1.2m of wall, built over the new foundations of the floor slab.	100	100	100	100
7	Area floor to be raised. Area within 1.2m of wall, built over the new foundations of the floor slab.	100	100	100	100
8	Area floor to be raised. Area within 1.2m of wall, built over the new foundations of the floor slab.	100	100	100	100
9	Area floor to be raised. Area within 1.2m of wall, built over the new foundations of the floor slab.	100	100	100	100
10	Area floor to be raised. Area within 1.2m of wall, built over the new foundations of the floor slab.	100	100	100	100
11	Area floor to be raised. Area within 1.2m of wall, built over the new foundations of the floor slab.	100	100	100	100
12	Area floor to be raised. Area within 1.2m of wall, built over the new foundations of the floor slab.	100	100	100	100
13	Area floor to be raised. Area within 1.2m of wall, built over the new foundations of the floor slab.	100	100	100	100
14	Area floor to be raised. Area within 1.2m of wall, built over the new foundations of the floor slab.	100	100	100	100
15	Area floor to be raised. Area within 1.2m of wall, built over the new foundations of the floor slab.	100	100	100	100
16	Area floor to be raised. Area within 1.2m of wall, built over the new foundations of the floor slab.	100	100	100	100
17	Area floor to be raised. Area within 1.2m of wall, built over the new foundations of the floor slab.	100	100	100	100

AS BUILT

KEYS

Extent of new floor will be 50 mm screed on rigid insulation laid on top of floor slab

	1990	1991	1992	1993
1	100	100	100	100
2	100	100	100	100
3	100	100	100	100
4	100	100	100	100
5	100	100	100	100
6	100	100	100	100
7	100	100	100	100
8	100	100	100	100
9	100	100	100	100
10	100	100	100	100
11	100	100	100	100
12	100	100	100	100
13	100	100	100	100
14	100	100	100	100
15	100	100	100	100
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18	100	100	100	100
19	100	100	100	100
20	100	100	100	100
21	100	100	100	100
22	100	100	100	100
23	100	100	100	100
24	100	100	100	100
25	100	100	100	100
26	100	100	100	100
27	100	100	100	100
28	100	100	100	100
29	100	100	100	100
30	100	100	100	100
31	100	100	100	100
32	100	100	100	100
33	100	100	100	100
34	100	100	100	100
35	100	100	100	100
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63	100	100	100	100
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70	100	100	100	100
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75	100	100	100	100
76	100	100	100	100
77	100	100	100	100
78	100	100	100	100
79	100	100	100	100
80	100	100	100	100
81	100	100	100	100
82	100	100	100	100
83	100	100	100	100
84	100	100	100	100
85	100	100	100	100
86	100	100	100	100
87	100	100	100	100
88	100	100	100	100
89	100	100	100	100
90	100	100	100	10

BDE

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CENTRAL SPINE	
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No 1 Central Spine Plan As Proposed Level 6	
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CENTRAL SPINE	
P20000813	
No 1 Central Spine Plan As Proposed Level 7	1 (colored) Use 2000
D1(0-JAP107	L

KEY

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11 County Street
P.O. Box 99, Plymouth, MA
01959-0099
United Kingdom
T: +44 (0)1753 633 3333
F: +44 (0)1753 633 3333
www.bbc.com

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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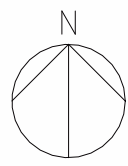
No. 1 Central Spine

Plan As Proposed
Level 8 - Roof Plan

10

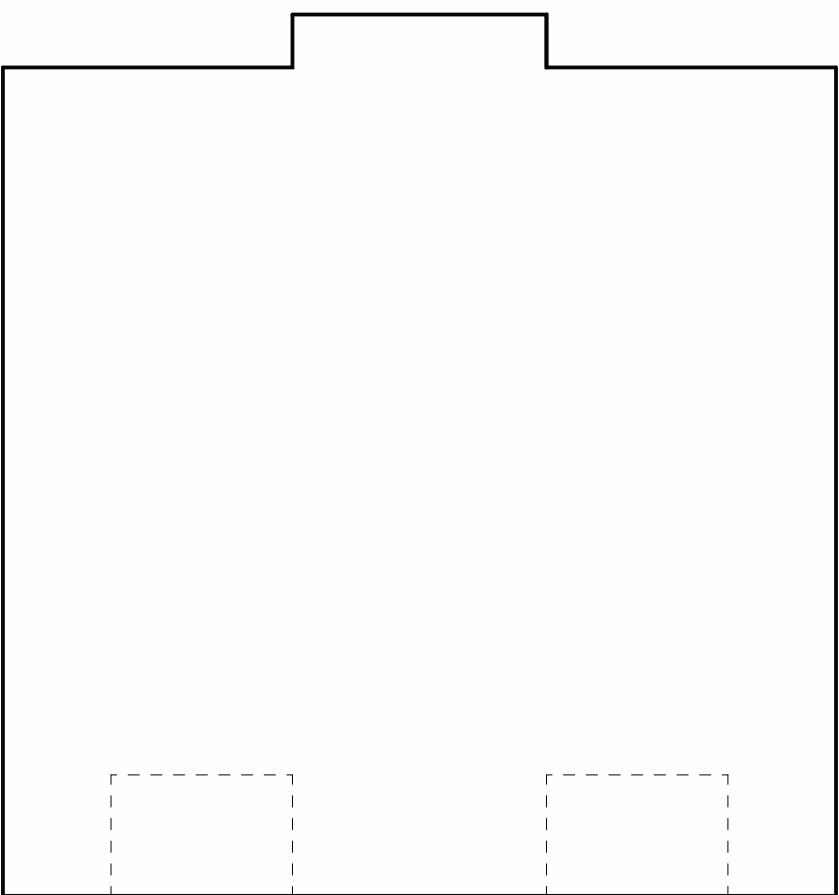
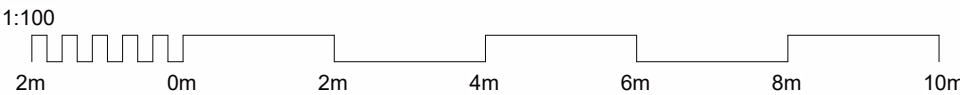
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1000



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3. Copyright of this drawing is owned by JM Architects.

Structural information indicative only. To be confirmed by Structural Engineer.



Materials Key:

1. New Black Brick
2. New Black Glazed Brick Detail
3. New Vertical Ribbed Anodised Aluminium Rainscreen Cladding
4. New Horizontal Ribbed Anodised Aluminium Rainscreen Cladding
5. New Anodised Aluminium Cill
6. New Flat Anodised Aluminium Rainscreen Cladding
7. New Black Glass Spandrel Panel
8. New Anodised Aluminium Curtain Wall Cappings
9. New Anodised Aluminium Parapet Cappings
10. Refurbished Anodised Aluminium And Glass Revolving Door
11. New Glazed Entrance Door
12. New Anodised Aluminium Vertical Fin Detail
13. Refurbished Anodised Aluminium Louvre

14. Existing Glazing Retained
15. Existing Plant Room Screen



P01	Issued for Planning	N/A	SS	SK
Rev	Description	Date	Dm By	Chk By

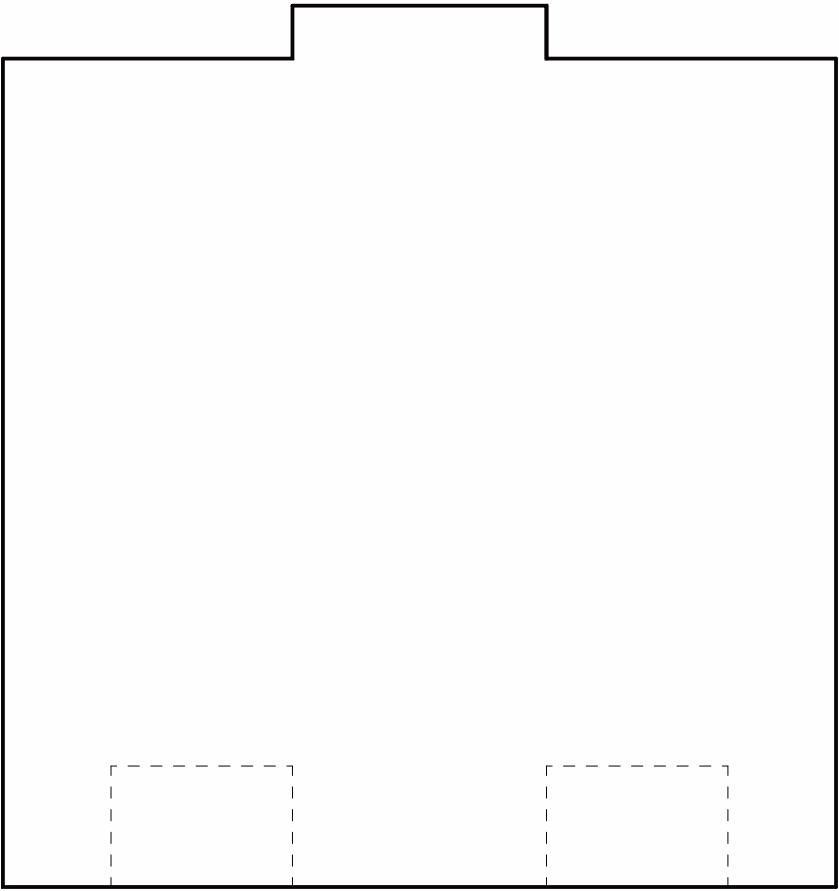
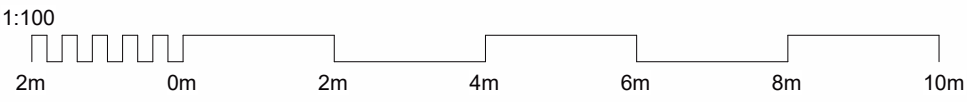
jmarchitects

Project	One Tony Wilson Place	64 Queen Street Edinburgh EH2 4NA
Title	Proposed North Elevation	T : 0131 464 6100
Client	ABRDN	edi@jmarchitects.net www.jmarchitects.net
Purpose :	For Planning	Scale : As indicated @ A1

Project - Originator - Volume - Level - Type - Role - Class&Number	Status	Revision	JMA Project Number
7124-JMA-01-ZE-DR-A-PL0002	S4	P01	7124

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 - 2. New Black Glazed Brick Detail
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 - 4. New Horizontal Ribbed Anodised Aluminium Rainscreen Cladding
 - 5. New Anodised Aluminium Cill
 - 6. New Flat Anodised Aluminium Rainscreen Cladding
 - 7. New Black Glass Spandrel Panel
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 - 9. New Anodised Aluminium Parapet Cappings
 - 10. Refurbished Anodised Aluminium And Glass Revolving Door
 - 11. New Glazed Entrance Door
 - 12. New Anodised Aluminium Vertical Fin Detail
 - 13. Refurbished Anodised Aluminium Louvre
14. Existing Glazing Retained
15. Existing Plant Room Screen



P01	Issued for Planning	N01	SS	SK
Rev	Description	Date	Dm By	Chk By

jmarchitects

Project
One Tony Wilson Place

Title
Proposed East Elevation

Client
ABRDN

Purpose :
For Planning

Drawing Number
7124-JMA-01-ZE-DR-A-PL0004

64 Queen Street
Edinburgh
EH2 4NA

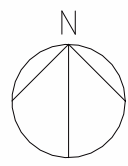
T : 0131 464 6100

edi@jmarchitects.net
www.jmarchitects.net

Status
S4 P01

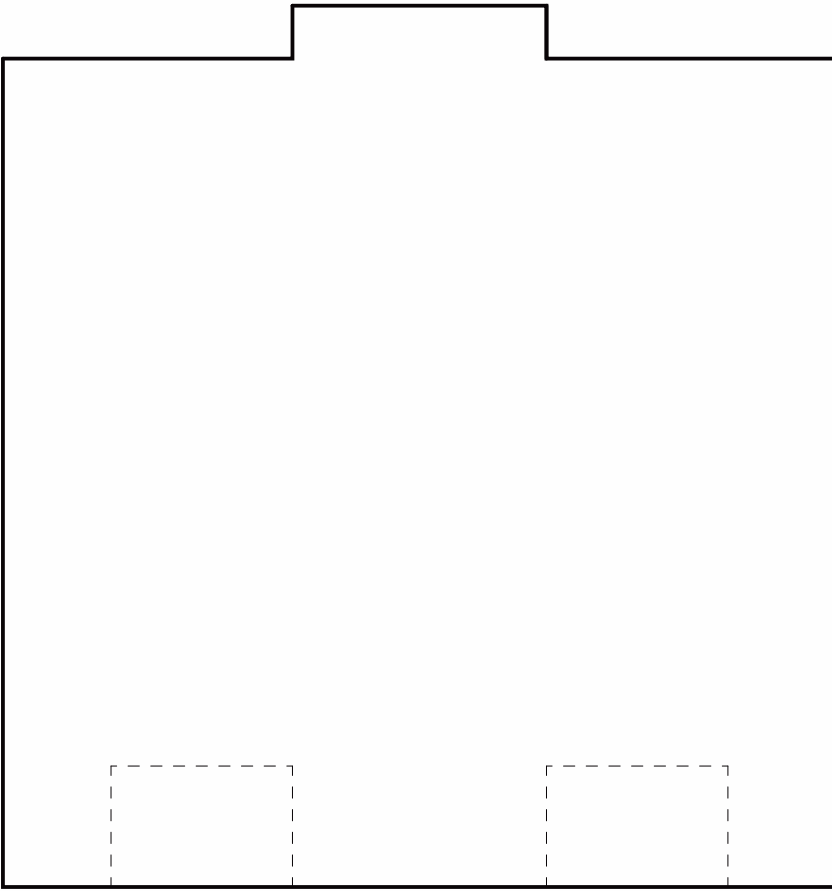
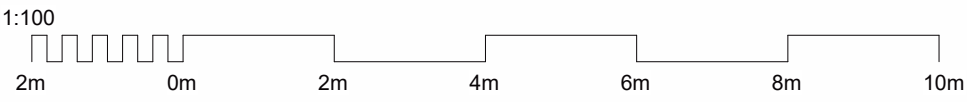
Revision
7124

JMA Project Number



Notes :
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Structural information indicative only. To be confirmed by Structural Engineer.



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- 1. New Black Brick
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 - 5. New Anodised Aluminium Cill
 - 6. New Flat Anodised Aluminium Rainscreen Cladding
 - 7. New Black Glass Spandrel Panel
 - 8. New Anodised Aluminium Curtain Wall Cappings
 - 9. New Anodised Aluminium Parapet Cappings
 - 10. Refurbished Anodised Aluminium And Glass Revolving Door
 - 11. New Glazed Entrance Door
 - 12. New Anodised Aluminium Vertical Fin Detail
 - 13. Refurbished Anodised Aluminium Louvre
14. Existing Glazing Retained
15. Existing Plant Room Screen

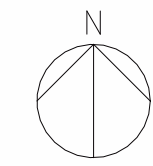


P01	Issued for Planning	N01	SS	SK
Rev	Description	Date	Dm By	Chk By

jmarchitects

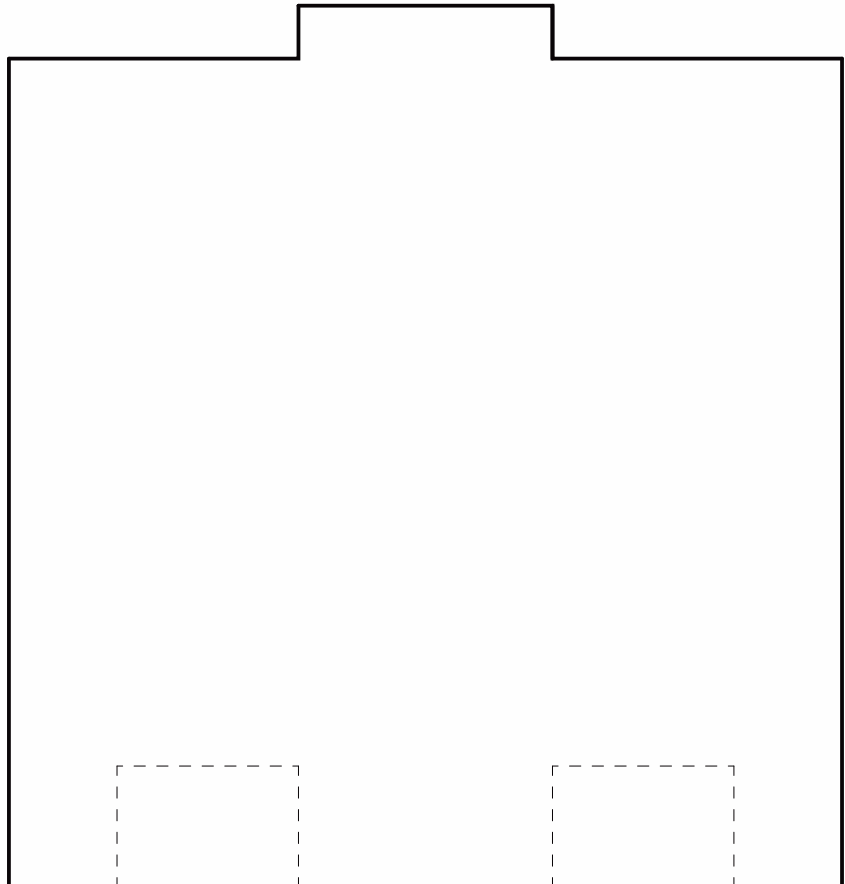
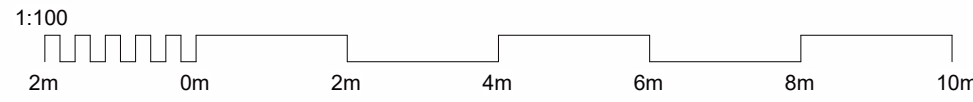
Project	One Tony Wilson Place	64 Queen Street Edinburgh EH2 4NA
Title	Proposed-South Elevation	T : 0131 464 6100
Client	ABRDN	edi@jmarchitects.net www.jmarchitects.net
Purpose	For Planning	Scale : As indicated @ A1

Drawing Number	Status	Revision	JMA Project Number
Project - Originator - Volume - Level - Type - Role - Class&Number 7124-JMA-01-ZE-DR-A-PL0006	S4	P01	7124



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Structural information indicative only. To be confirmed by Structural Engineer.



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1. New Black Glazed Brick Detail
 2. New Black Ribbed Anodised Aluminium Rainscreen Cladding
 3. New Vertical Ribbed Anodised Aluminium Rainscreen Cladding
 4. New Horizontal Ribbed Anodised Aluminium Rainscreen Cladding
 5. New Anodised Aluminium Cill
 6. New Flat Anodised Aluminium Rainscreen Cladding
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 8. New Anodised Aluminium Curtain Wall Cappings
 9. New Anodised Aluminium Parapet Cappings
 10. Refurbished Anodised Aluminium And Glass Revolving Door
 11. New Glazed Entrance Door
 12. New Anodised Aluminium Vertical Fin Detail
 13. Refurbished Anodised Aluminium Louvre
14. Existing Glazing Retained
15. Existing Plant Room Screen

P01	Issued for Planning	N01	SS	SK
Rev	Description	Date	Dm By	Chk By

jmarchitects

Project
One Tony Wilson Place

Title
Proposed West Elevation

Client
ABRDN

Purpose :
For Planning

Scale :
As indicated @ A1

64 Queen Street
Edinburgh
EH2 4NA
T : 0131 464 6100
edi@jmarchitects.net
www.jmarchitects.net

Project - Originator - Volume - Level - Type - Role - Class&Number	Status	Revision	JMA Project Number
7124-JMA-01-ZE-DR-A-PL0008	S4	P01	7124

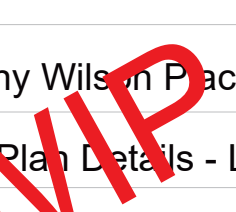


Items that are halftone are existing components to be retained.

Caveats:

1. Structural Engineer to review pull out strength of masonry and cladding brackets.
2. Contractor to review each column individually and check if any additional sheathing boards are needed.
3. Membranes to be reviewed.
4. All existing insulation in external wall to be removed.
5. Facade specialist to review technical drawings.
6. All dimensions to be confirmed on site following facade strip.

P01	Final Issue	NYN	Date	Dim By	Chk By
Rev	Description				



Project
One Tony Wilson Place

Title
Typical Plan Details - L00 - 1/4

Client
ABRDN

Purpose :
\$TAGE 02

Scale :
As indicated @ A1

Drawing Number

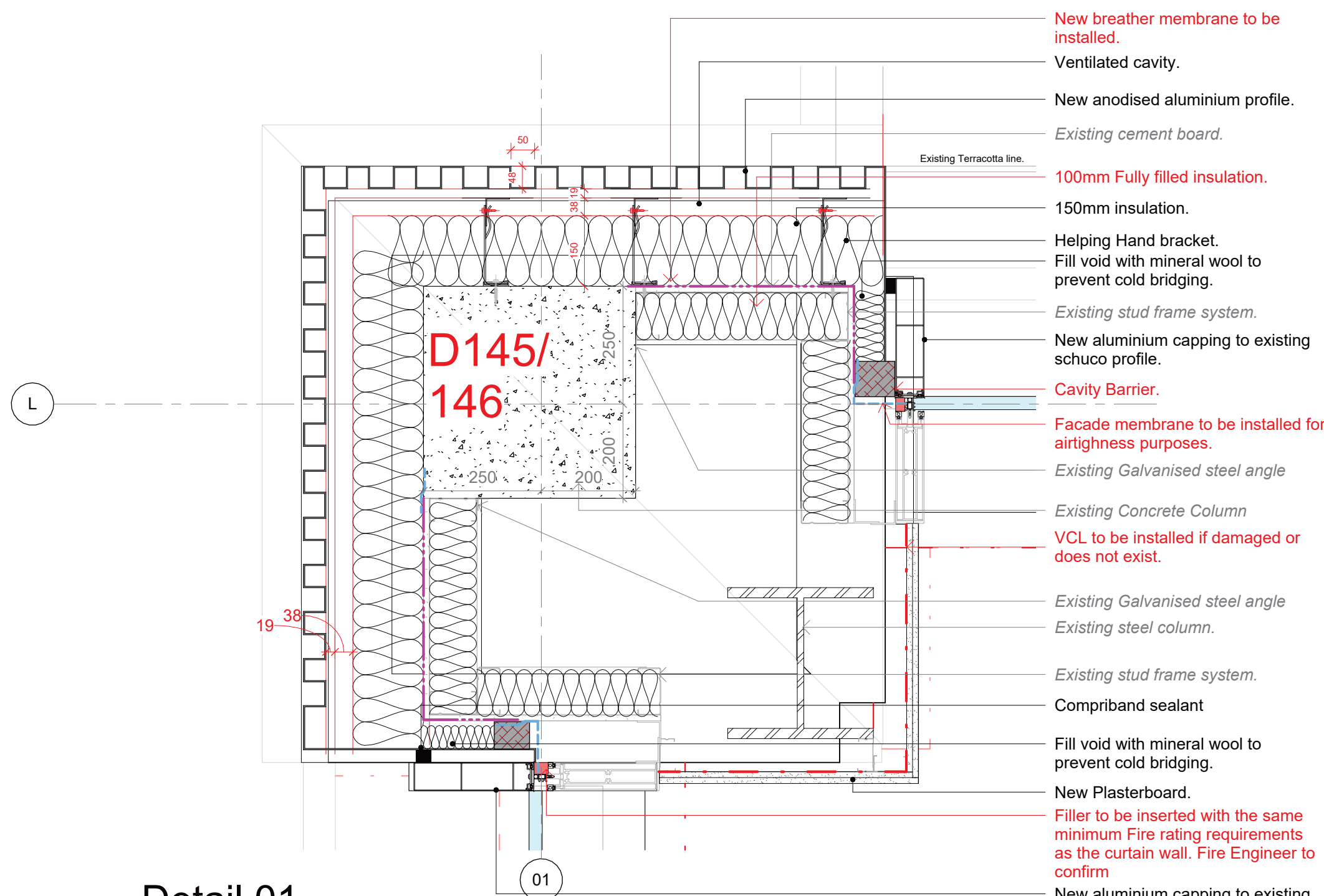
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7124-JMA-	01-00	-DR-A-	21				4001



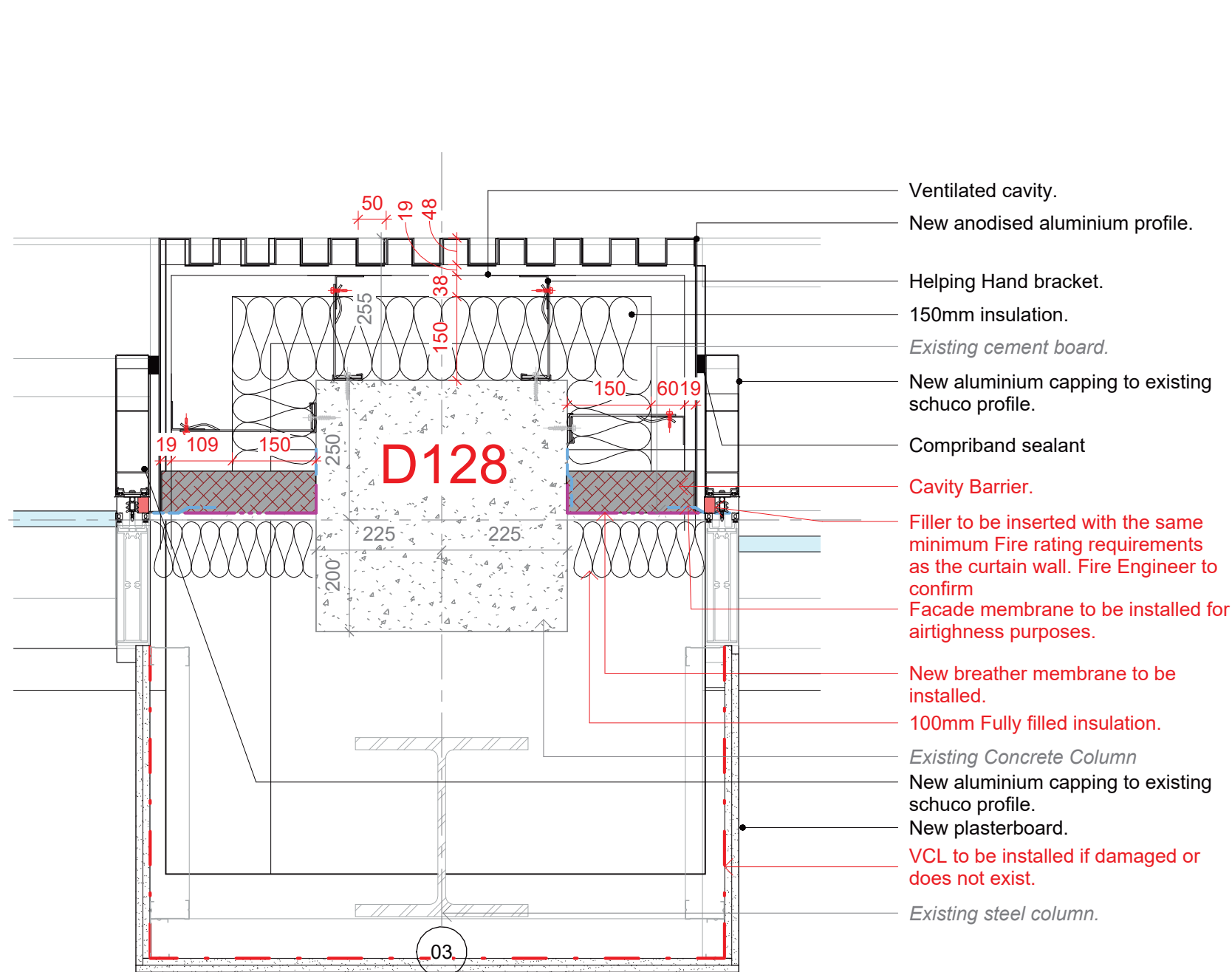
64 Queen Street
Edinburgh
EH2 4NA

T : 0131 464 6100

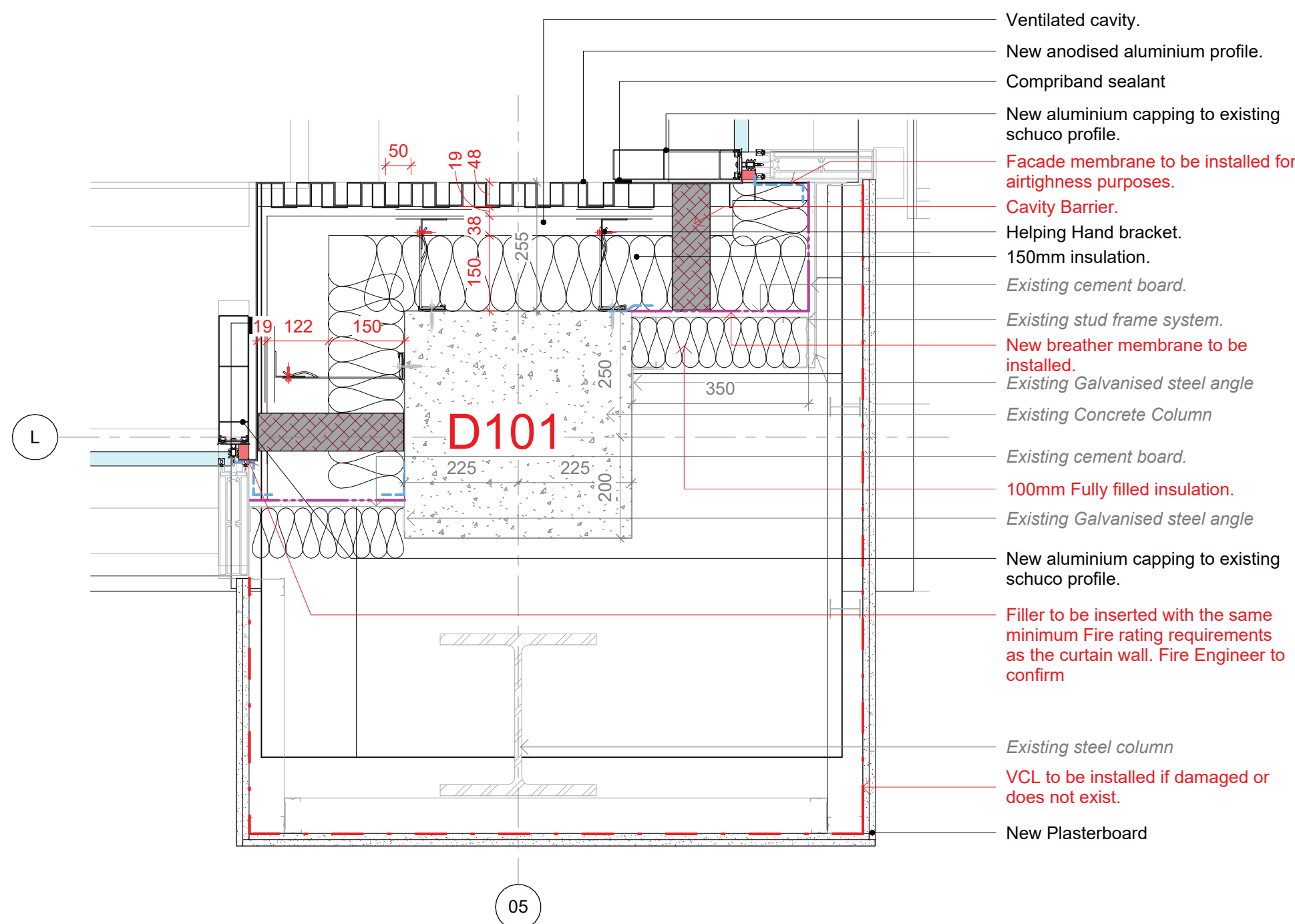
edi@jmarchitects.net
www.jmarchitects.net



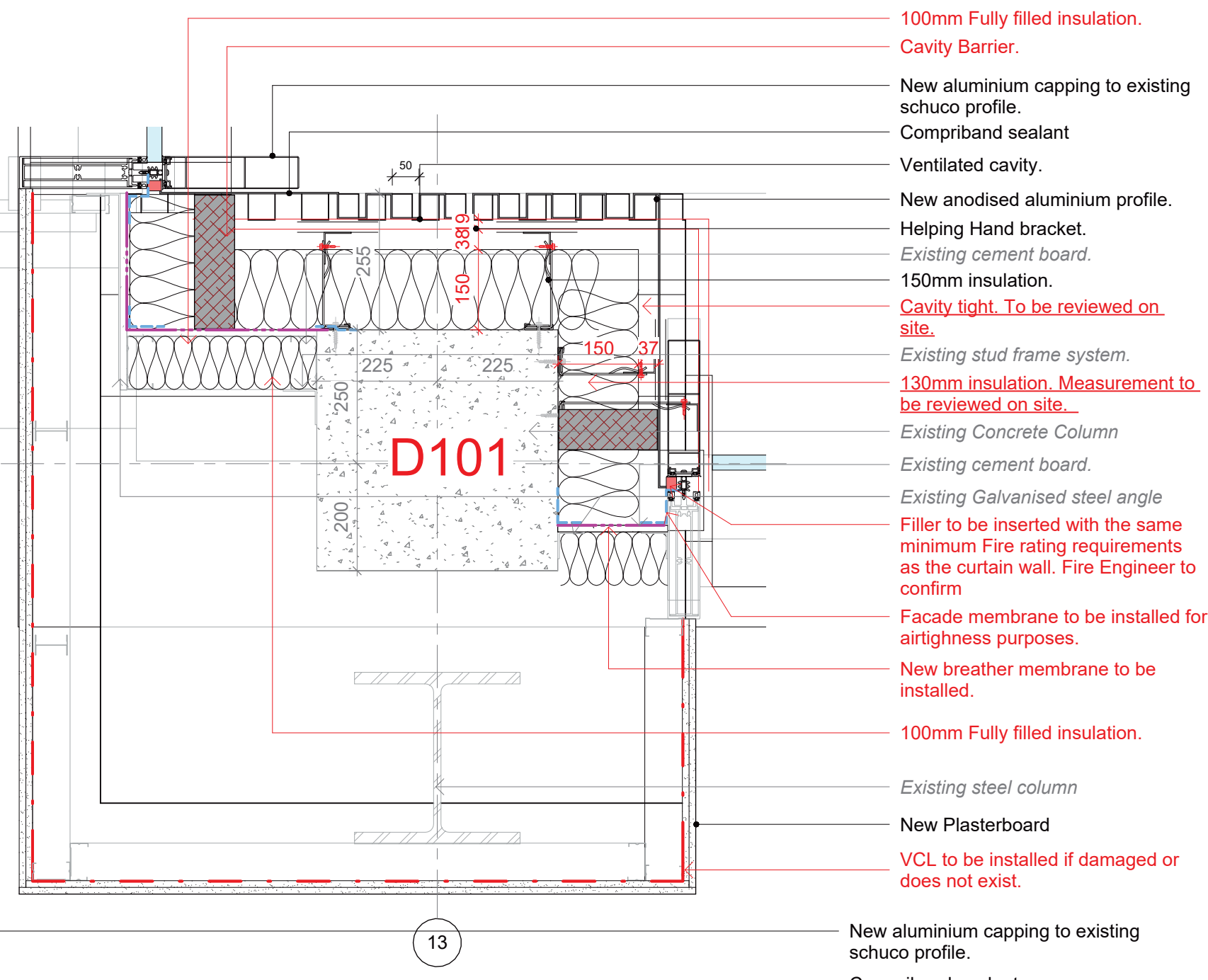
Detail 01



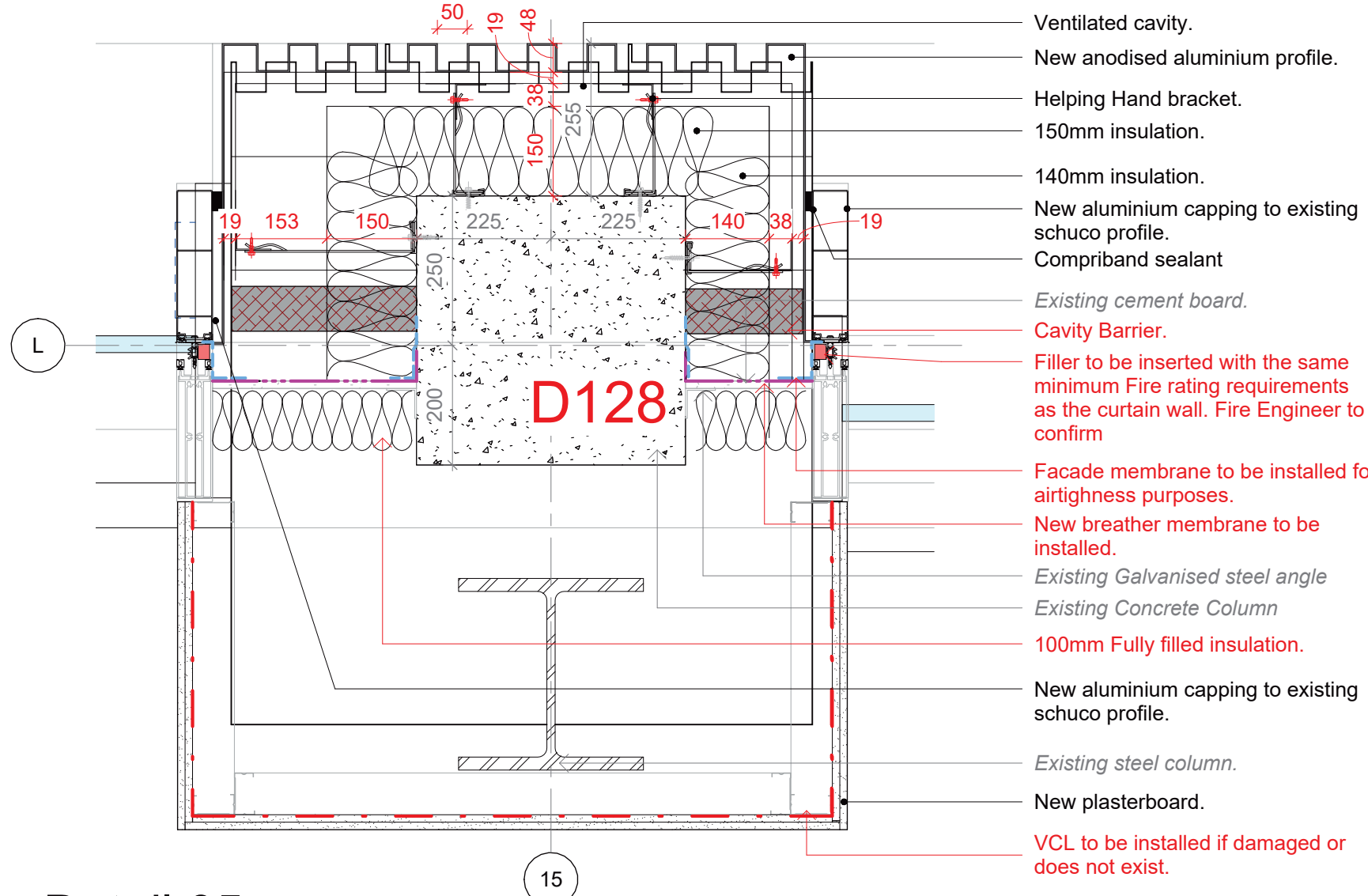
Detail 02



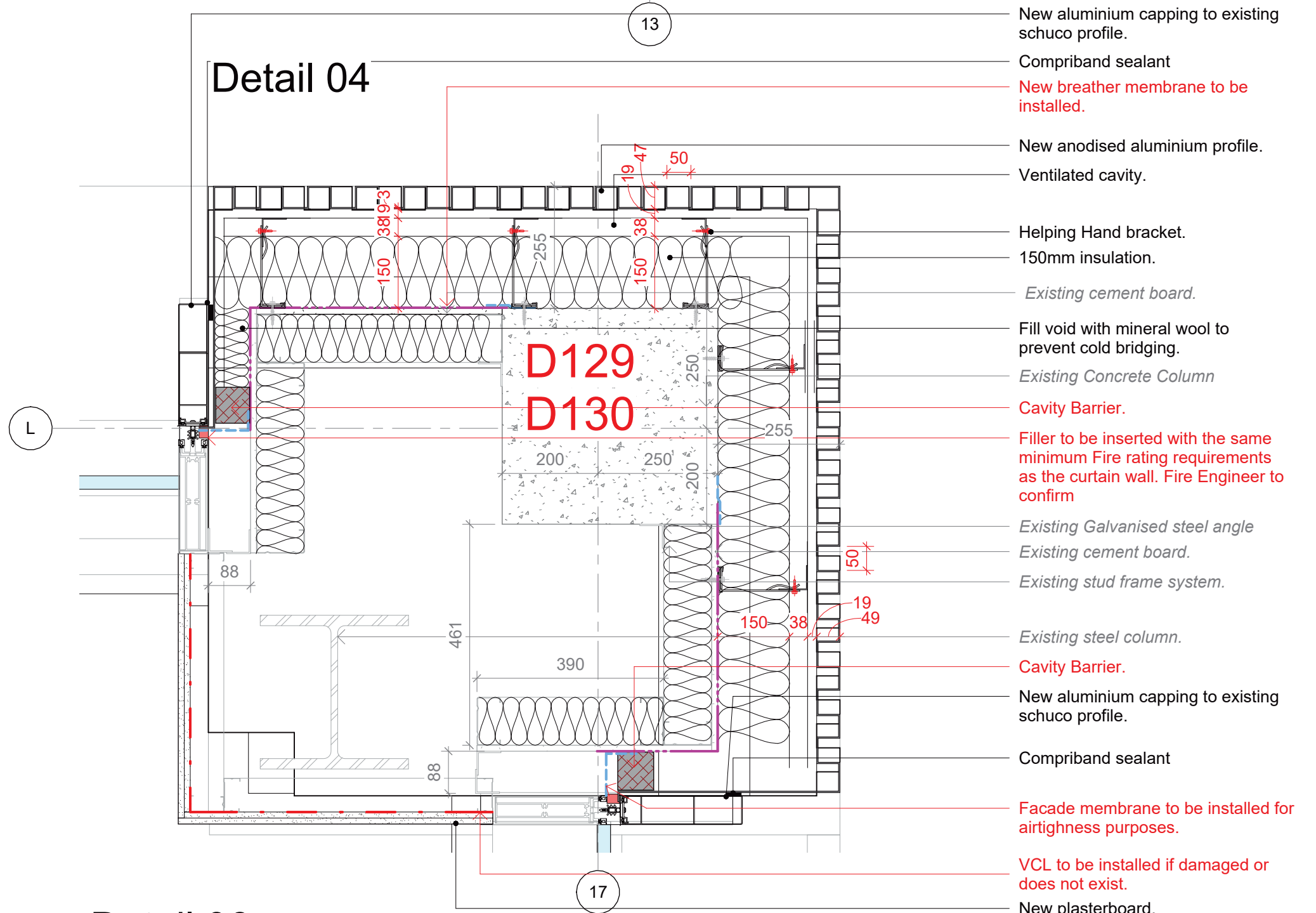
Detail 03



Detail 04

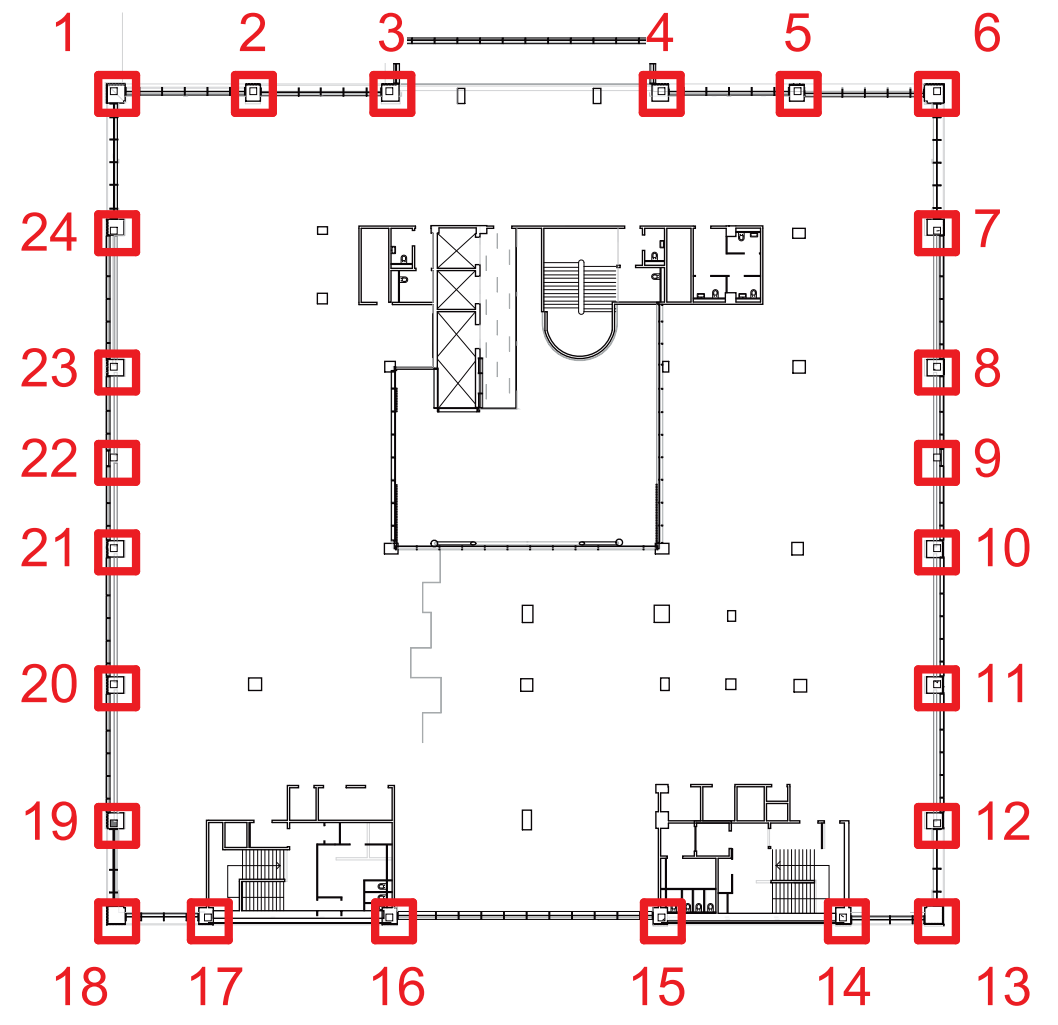
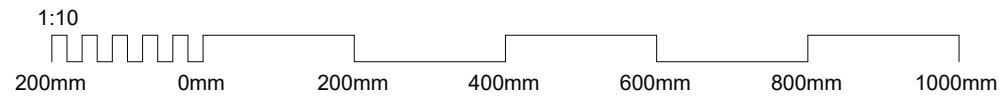


Detail 05



Detail 06

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6. All dimensions to be confirmed on site following facade strip.

Rev	Description	Date	Dm By	Chk By

Project

One Tony Wilson Place

Title

Typical Plan Details - L02 - 1/4

Client

ABRD

Purpose

Stage 02

Scale

As indicated @ A1

Drawing Number

7124-JMA-01-00-DR-A-21 4001

Status

S1

Revision

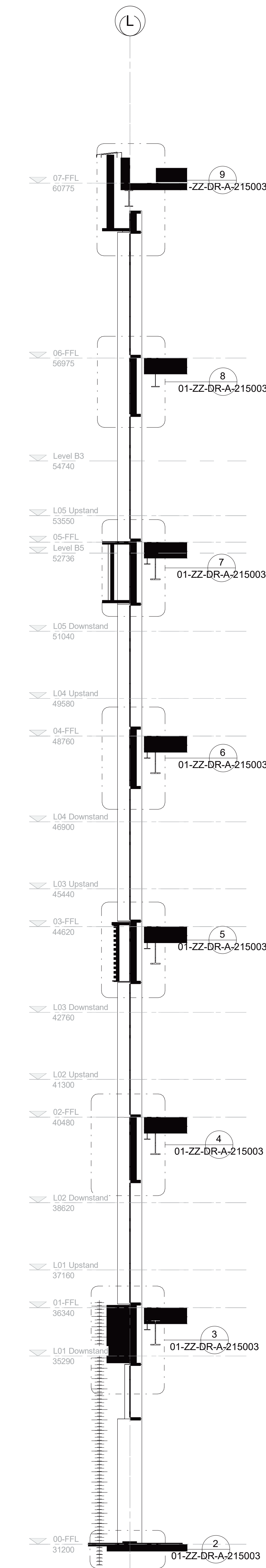
JMA Project Number

7124

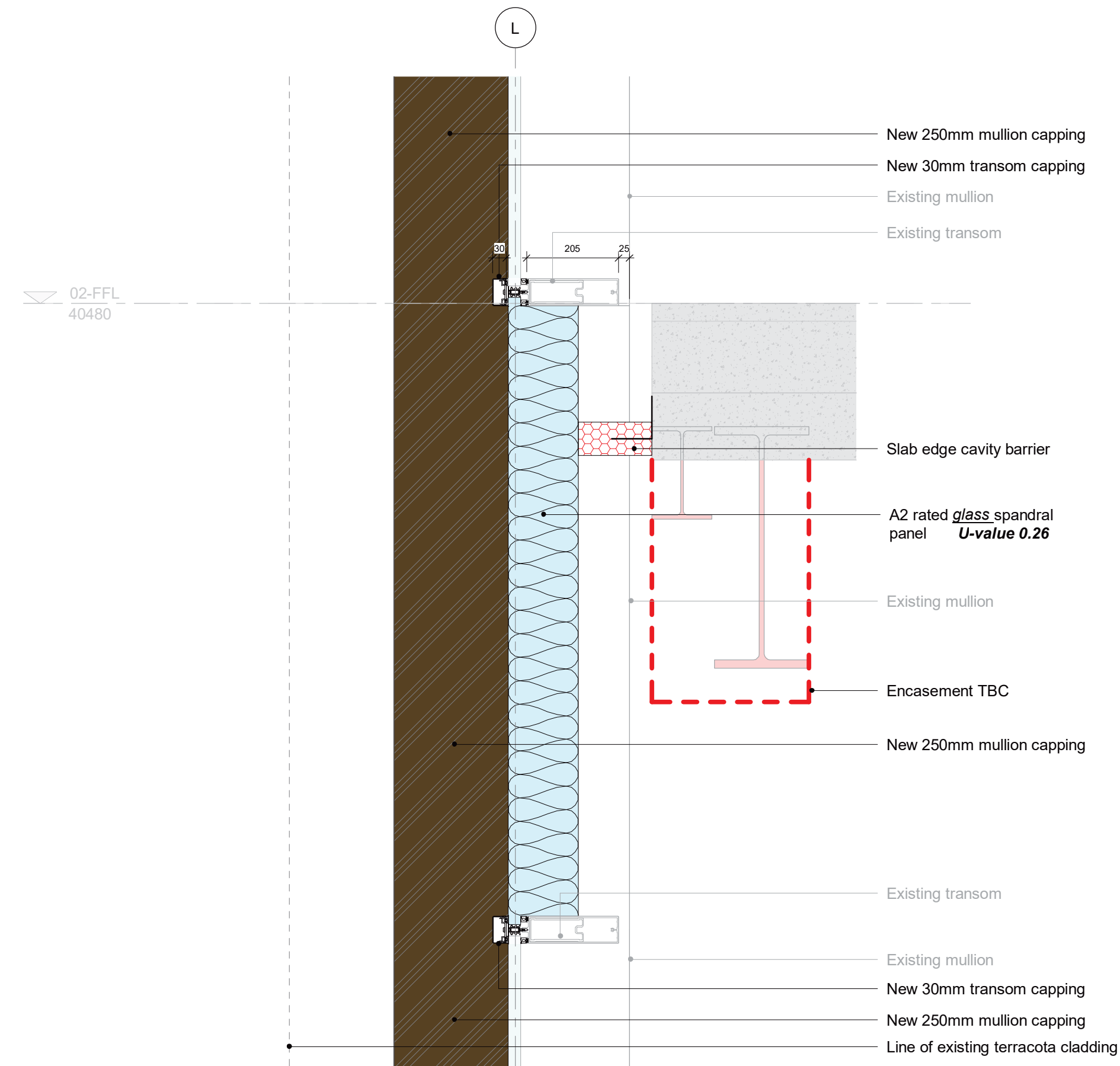
64 Queen Street
Edinburgh
EH2 4NA

T : 0131 464 6100

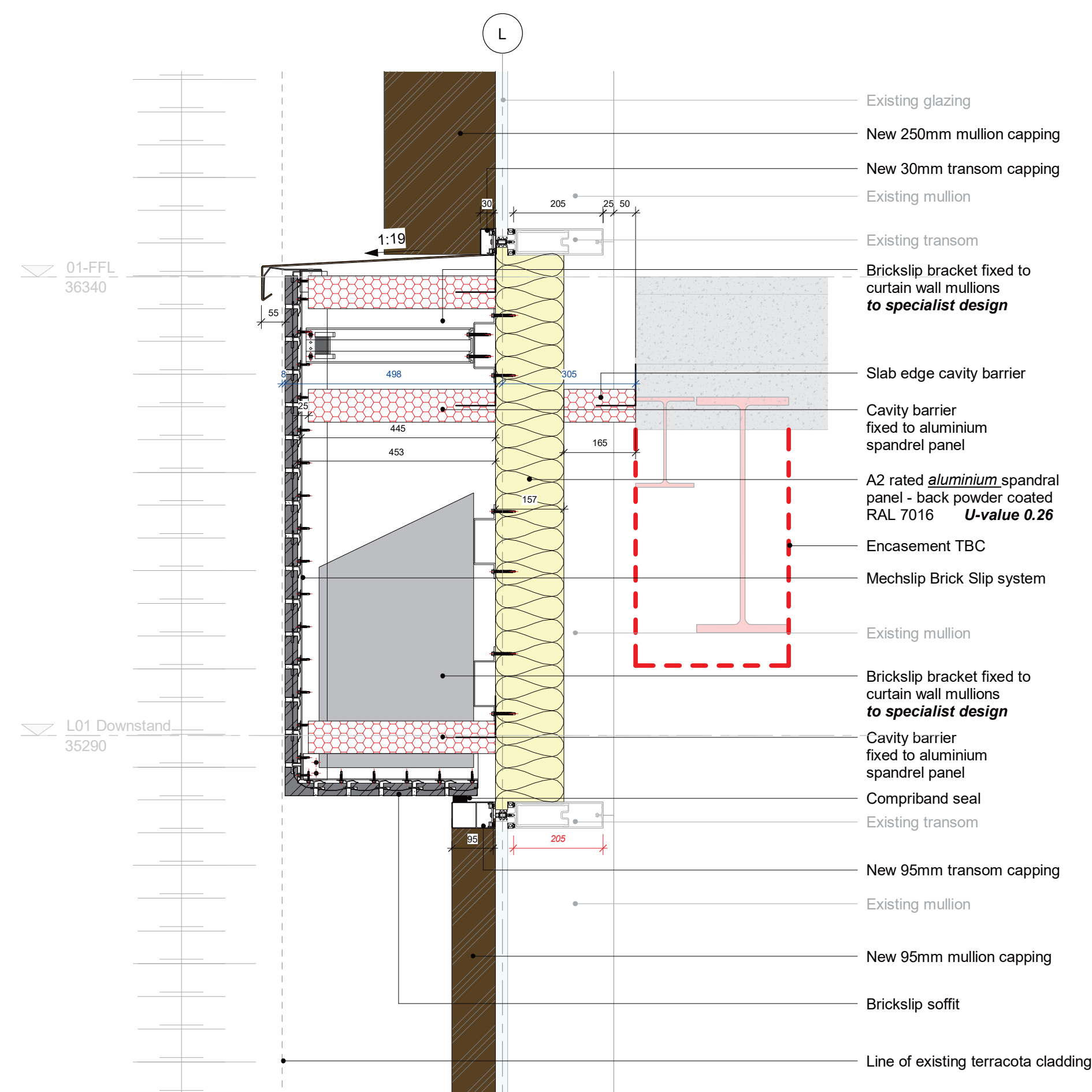
edi@jmachitects.net
www.jmachitects.net



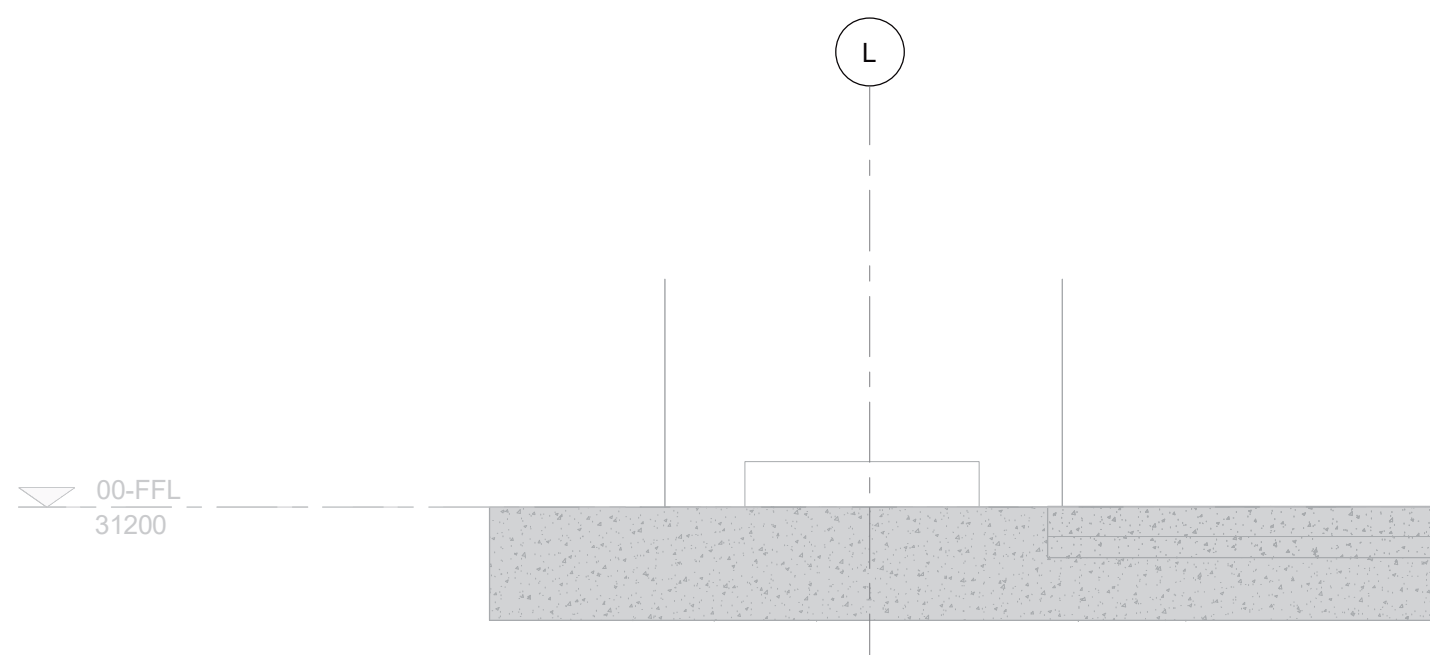
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1 : 50



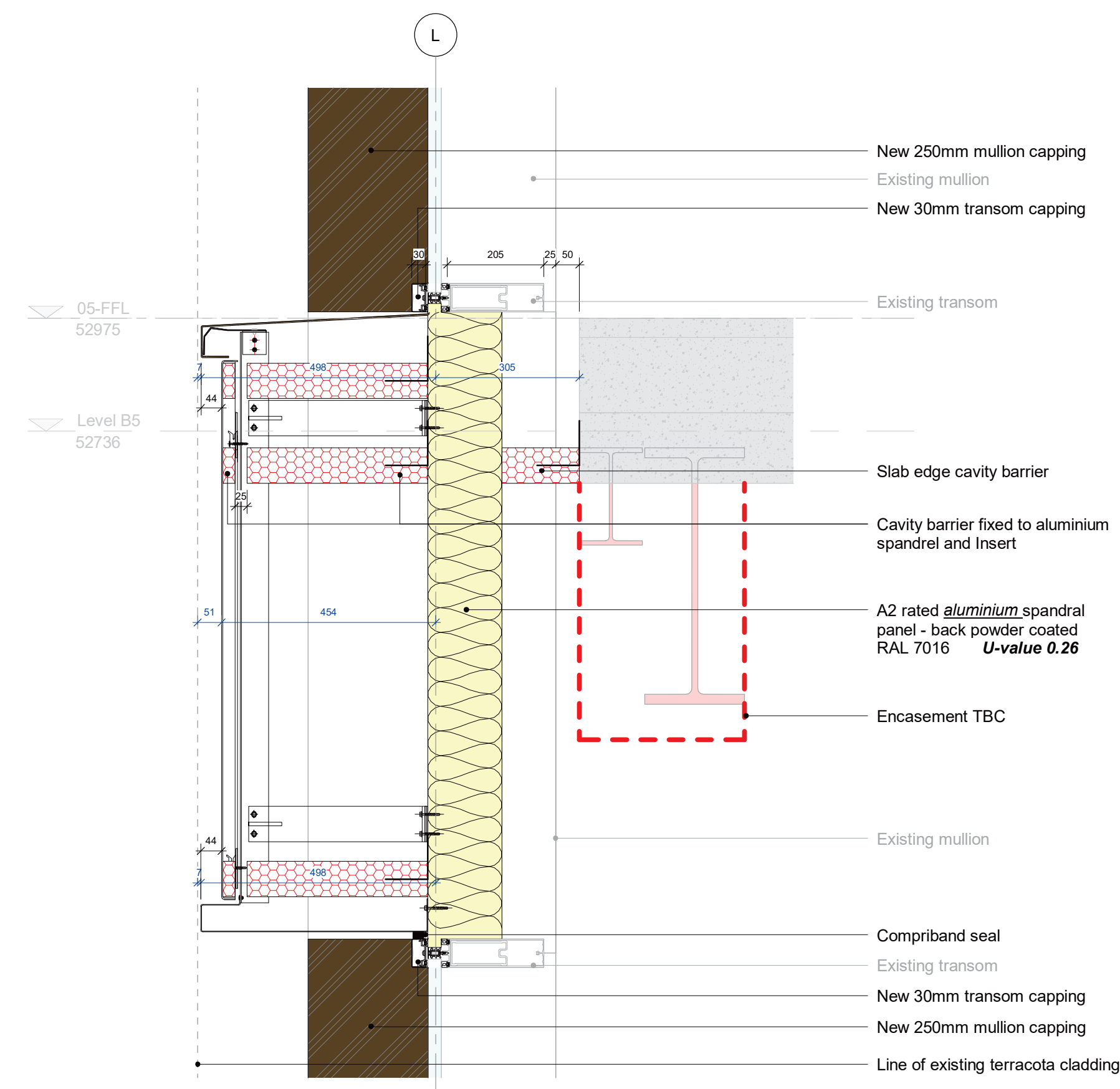
4 Second Floor - North
1 : 10
Based on 'As built' drawing D121



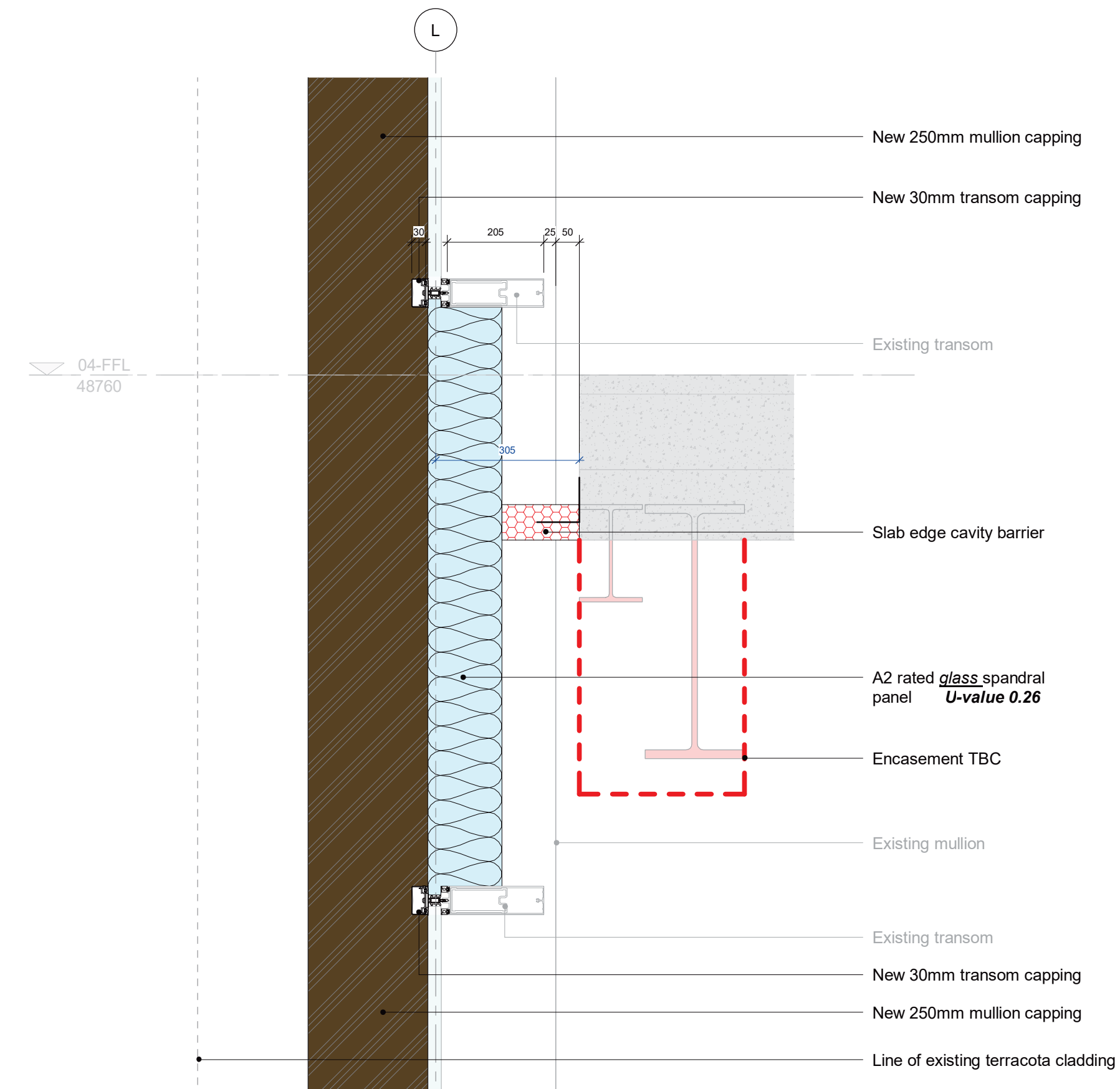
3 First Floor - North
1 : 10
Based on 'As built' drawing D120



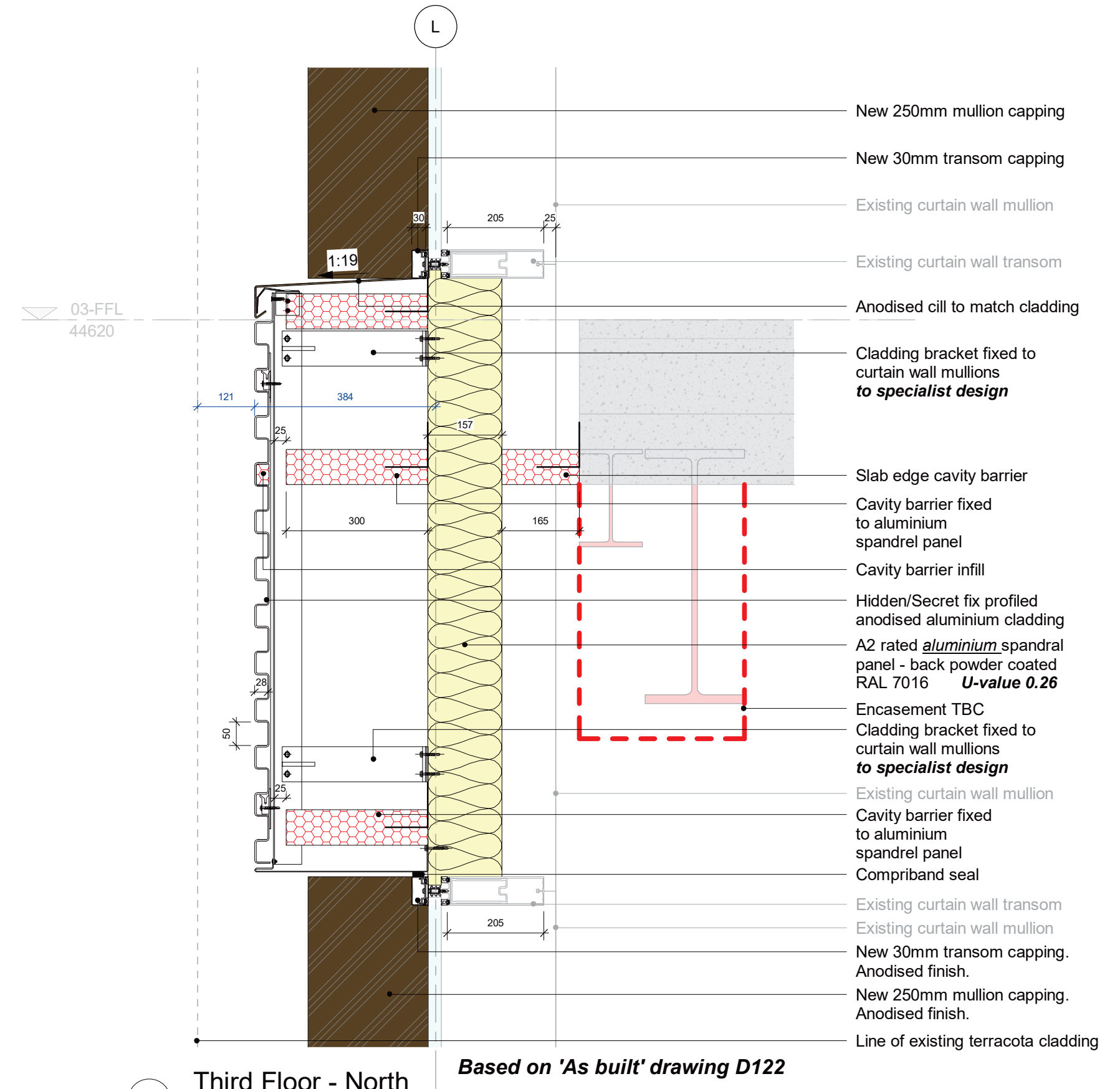
2 Ground Floor
1 : 10



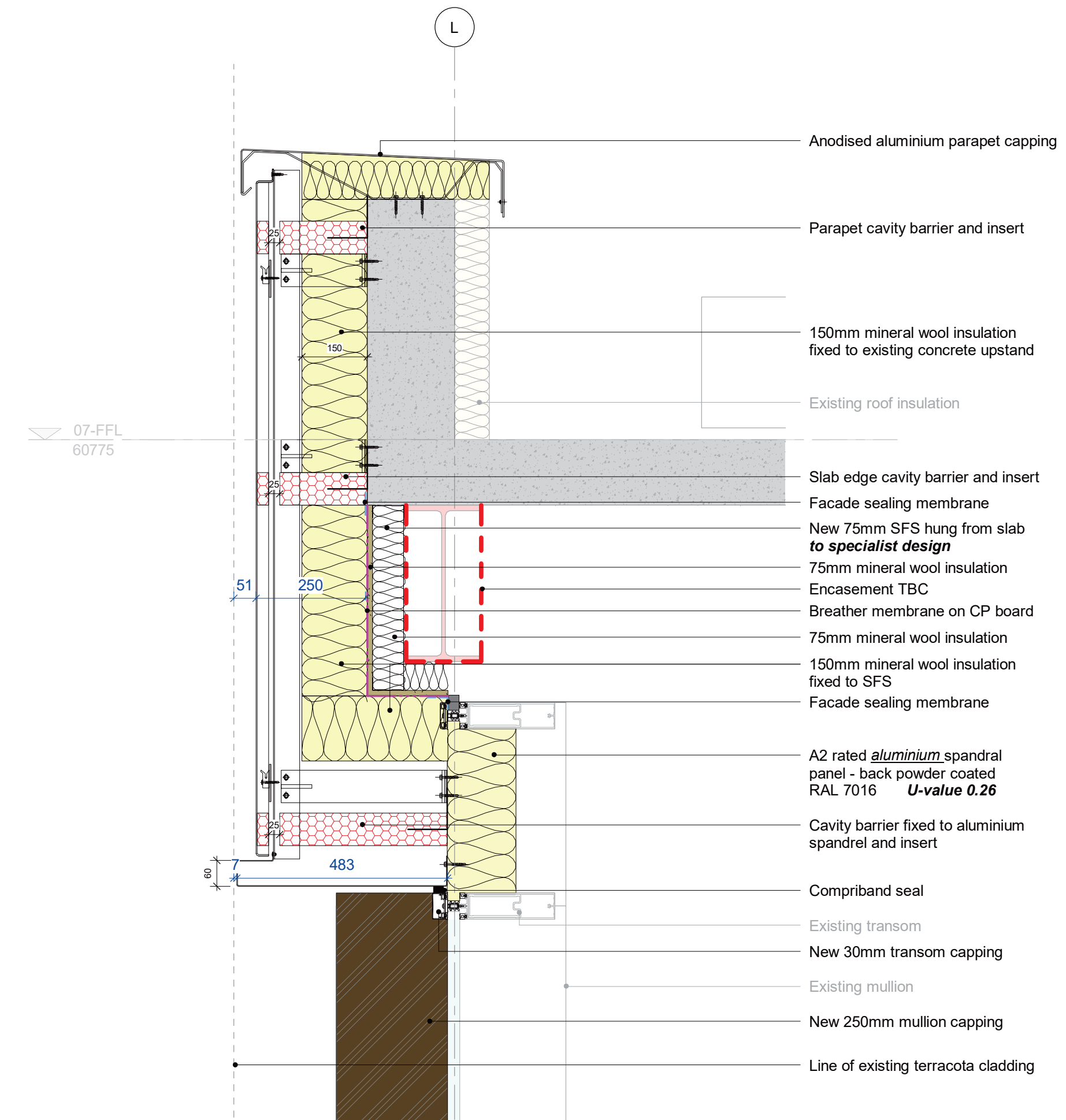
7 Fifth Floor - North
1 : 10
Based on 'As built' drawing D124



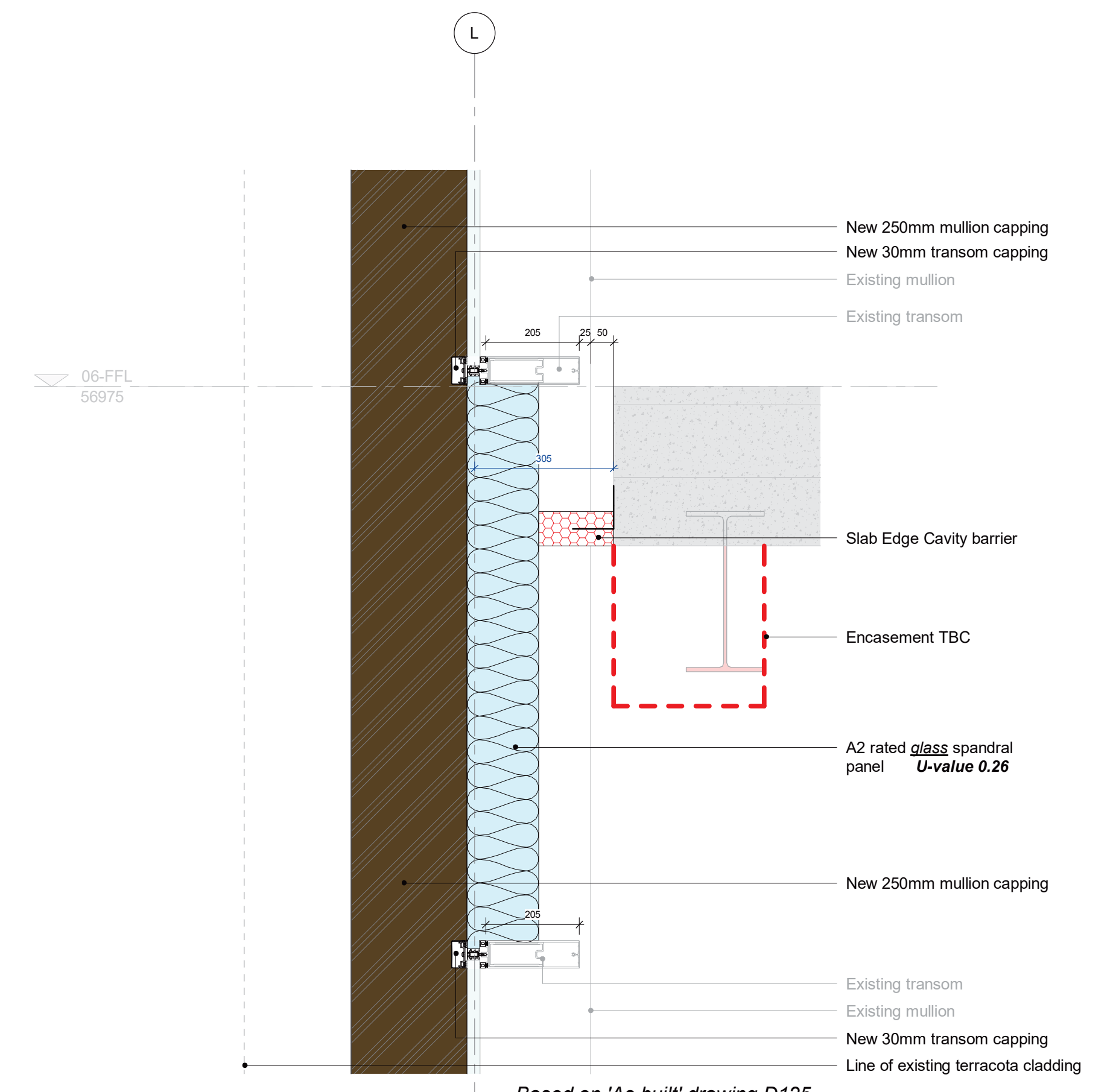
6 Fourth Floor - North
1 : 10
Based on 'As built' drawing D123



5 Third Floor - North
1 : 10
Based on 'As built' drawing D122

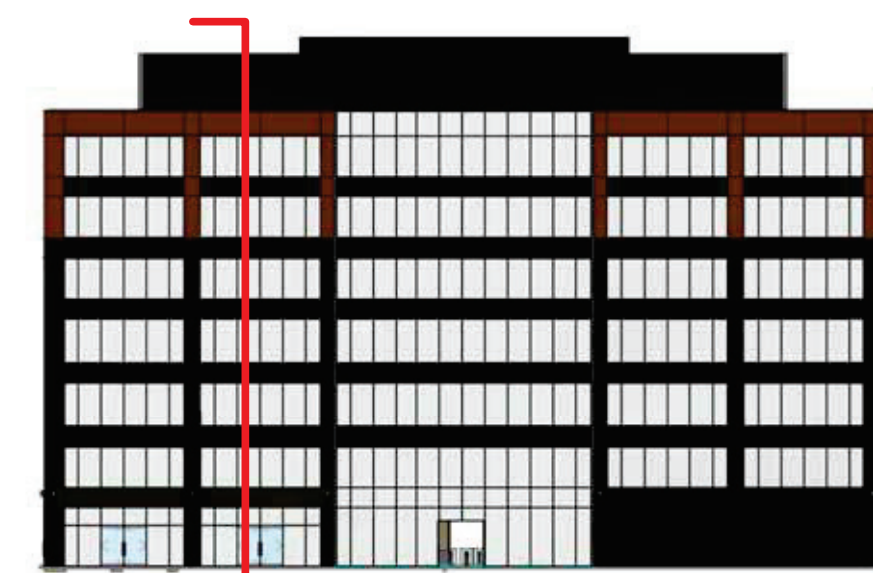
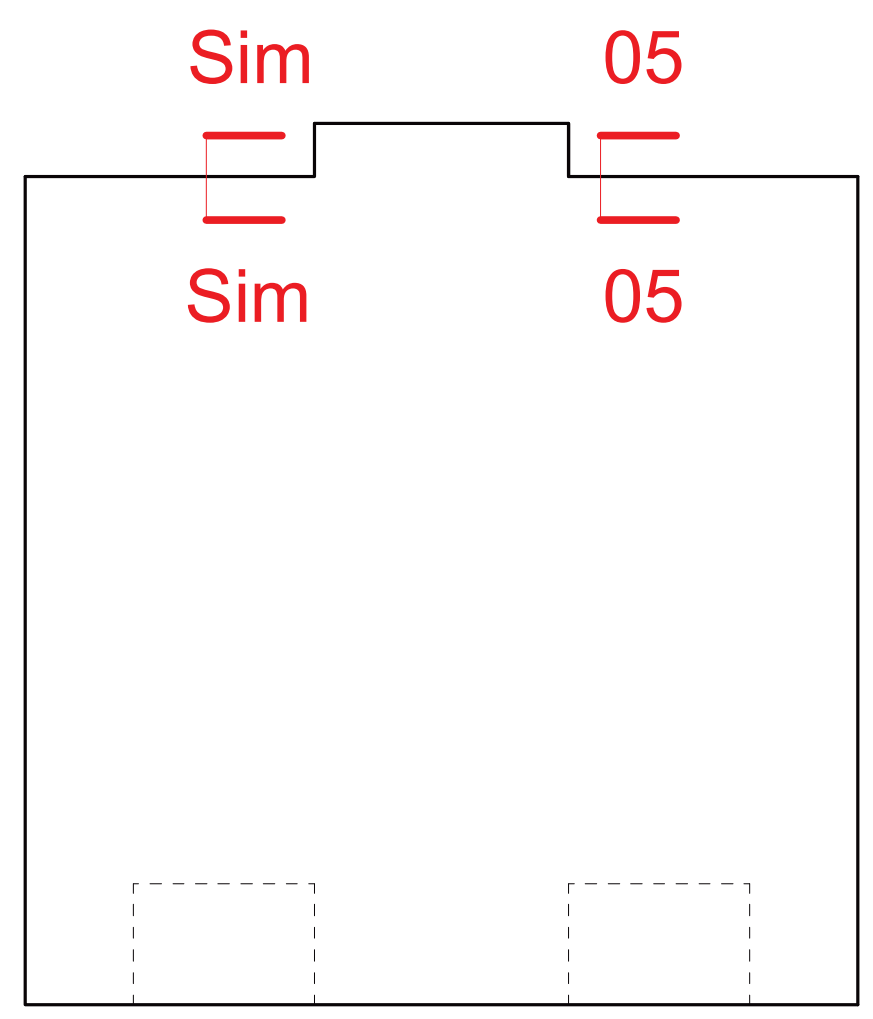
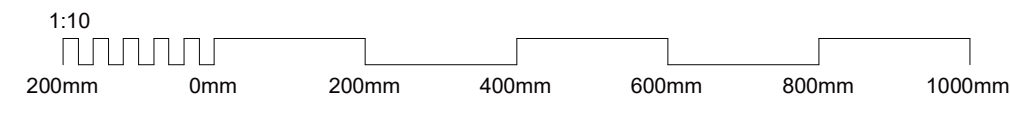


9 Parapet - North
1 : 10
Based on 'As built' drawing D126/127



8 Sixth Floor - North
1 : 10
Based on 'As built' drawing D125

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 - Membranes to be reviewed.
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 - Facade specialist to review technical drawings.
 - All dimensions to be confirmed on site following facade strip.

Rev	Description	Date	Drawn By	Chk By

Project	One Tony Wilson Place	64 Queen Street Edinburgh EH2 4NA
Title	Typical North Section Details - New	T : 0131 464 6100
Client	ABRDN	ed@jmachitects.net www.jmachitects.net
Project	Stage 02	As indicated@
Drawing Number	7124-JMA-01-ZZ-DR-A-215003	Status
Project - Originator - Volume - Level - Type - AKA Number	7124-JMA-01-ZZ-DR-A-215003	Revision
		7124

APPENDIX C

Environmental Noise Record Sheets

Environmental Noise Record Sheet



Project: 1 Tony Wilson Place
 Project number: 24311
 Date: 25/02/2025

Noise monitoring location: 1: East
 Plant operating condition: N/A
 Instrumentation: 2250-1
 Calibration times: 11.45, 15.15

Date	Date/time		Wind speed (m/s)	Weather		Cloud (%)	Leq Octave Band Pressure Level (dB)										dB(A)	Comments (Including description of noise (eg whine, hiss, rumble, impact, vehicle rain, vegetation, or animal noise))
	Start time	Duration (min:sec)		Wind direction			31.5	63	125	250	500	1k	2k	4k	8k			
12/02/25	11:46	05:00	1-2	N	100	66	64	63	59	56	54	51	45	34	59	Construction site to south, idling vehicles at car park entrance, restaurant and car park plant, pedestrians, frequent passing jet airliners, distant local traffic, light rain drizzle at start		
12/02/25	11:51	05:00	1-2	N	100	65	63	61	58	55	54	50	43	32	58			
12/02/25	11:56	05:00	1-2	N	100	64	62	61	58	54	53	49	42	31	58			
12/02/25	12:55	05:00	1-2	N	100	64	63	60	55	55	54	50	44	34	58	Restaurant and car park plant, construction site to south, Annie Horniman Street traffic, cars idling at car park entrance, pedestrians, frequent passing jet airliners		
12/02/25	13:00	05:00	1-2	N	100	66	63	60	56	55	54	50	43	33	58			
12/02/25	13:05	05:00	1-2	N	100	67	64	59	56	55	54	50	44	37	58			
12/02/25	14:05	05:00	0-1	N	100	70	64	60	57	58	57	53	44	37	61	Restaurant and car park plant, delivery lorry noise in car park (echoing), south construction site, Annie Horniman Street traffic, frequent passing jet airliners, pedestrians, street cleaner (emptying bins and moving trolley)		
12/02/25	14:10	05:00	0-1	N	100	70	63	60	57	59	59	56	48	41	62			
12/02/25	14:15	05:00	0-1	N	100	70	65	59	56	58	58	55	47	34	62			

Environmental Noise Record Sheet



Project: 1 Tony Wilson Place
 Project number: 24311
 Date: 25/02/2025

Noise monitoring location: 2: North
 Plant operating condition: N/A
 Instrumentation: 2250-1
 Calibration times: 11.45, 15.15

Date	Date/time		Wind speed (m/s)	Weather		Cloud (%)	Leq Octave Band Pressure Level (dB)										dB(A)	Comments (Including description of noise (eg whine, hiss, rumble, impact, vehicle rain, vegetation, or animal noise))
	Start time	Duration (min:sec)		Wind direction	31.5		63	125	250	500	1k	2k	4k	8k				
12/02/25	12:06	05:00	0-1	N	90	65	64	57	56	56	54	49	42	32	58	A5103 traffic, construction site to west, frequent passing trains, pedestrians		
12/02/25	12:11	05:00	0-1	N	90	65	63	57	55	55	54	48	40	31	58			
12/02/25	12:16	05:00	0-1	N	90	68	64	58	55	56	55	48	40	31	58			
12/02/25	13:13	05:00	2-3	N	100	66	64	59	58	58	56	51	45	36	60	Construction site to west, frequent passing trains, A5103 traffic, pedestrian voices, delivery vehicles loading and unloading		
12/02/25	13:18	05:00	2-3	N	100	65	65	57	55	57	54	49	43	34	58			
12/02/25	13:23	05:00	2-3	N	100	63	62	58	56	58	56	51	46	37	60			
12/02/25	14:25	05:00	0-1	N	100	63	62	56	56	55	54	48	41	35	57	South construction site, west construction site, A5103 traffic, pedestrians, delivery trolleys, frequent passing trains, frequent passing jet airliners		
12/02/25	14:30	05:00	0-1	N	100	63	61	56	55	54	53	48	40	32	57			
12/02/25	14:35	05:00	0-1	N	100	63	62	56	54	54	54	49	42	32	57			

Environmental Noise Record Sheet



Project: 1 Tony Wilson Place
 Project number: 24311
 Date: 25/02/2025

Noise monitoring location: 3: West
 Plant operating condition: N/A
 Instrumentation: 2250-1
 Calibration times: 11.45, 15.15

Date	Date/time		Wind speed (m/s)	Weather		Leq Octave Band Pressure Level (dB)										Comments (Including description of noise (eg whine, hiss, rumble, impact, vehicle rain, vegetation, or animal noise))
	Start time	Duration (min:sec)		Wind direction	Cloud (%)	31.5	63	125	250	500	1k	2k	4k	8k	dB(A)	
12/02/25	12:22	05:00	0-1	N	100	67	65	58	60	58	55	49	43	32	59	Construction site to south, constructions site to west, A5103 traffic, frequent passing jet airliners, pedestrians
12/02/25	12:27	05:00	0-1	N	100	68	65	58	59	57	55	50	43	33	59	
12/02/25	12:32	05:00	0-1	N	100	67	64	58	58	58	55	50	43	35	59	
12/02/25	13:30	05:00	0-1	N	100	68	66	62	59	57	56	51	45	38	60	West construction site, south construction site, A5103 traffic, frequent passing trains, frequent passing jet airliners, pedestrians, constant delivery trolleys into offices
12/02/25	13:35	05:00	0-1	N	100	64	63	60	58	57	55	52	45	36	60	
12/02/25	13:40	05:00	0-1	N	100	64	63	59	58	57	55	51	48	43	59	
12/02/25	14:41	05:00	1-2	N	100	66	65	61	60	56	55	50	45	37	59	South construction site, west construction site, A5103 traffic, pedestrians, delivery trolleys, frequent passing jet airliners

Environmental Noise Record Sheet



Project: 1 Tony Wilson Place
 Project number: 24311
 Date: 25/02/2025

Noise monitoring location: 4: South
 Plant operating condition: N/A
 Instrumentation: 2250-1
 Calibration times: 11.45, 15.15

Date/time			Wind speed (m/s)	Weather		Leq Octave Band Pressure Level (dB)										Comments	
Date	Start time	Duration (min:sec)		Wind direction	Cloud (%)	31.5	63	125	250	500	1k	2k	4k	8k	dB(A)	(Including description of noise (eg whine, hiss, rumble, impact, vehicle rain, vegetation, or animal noise))	
12/02/25	12:38	05:00	0-1	N	100	65	65	62	60	58	57	54	49	42	62	South construction site, River Street traffic, pedestrians, frequent passing jet airliners, distant A57 traffic	
12/02/25	12:43	05:00	0-1	N	100	63	65	60	57	55	56	52	47	41	60		
12/02/25	12:48	05:00	0-1	N	100	63	64	60	56	54	55	50	44	36	59		
12/02/25	13:46	05:00	0-1	N	100	64	66	61	57	56	56	53	50	38	60	South construction site, River Street traffic, distant A57 traffic, frequent passing jet airliners, pedestrians, delivery trolleys into offices, construction vehicles moving and idling on site	
12/02/25	13:51	05:00	0-1	N	100	67	64	60	56	56	55	51	48	38	59		
12/02/25	13:56	05:00	0-1	N	100	73	67	61	57	55	56	51	46	35	59		

APPENDIX D

Intrusive Noise Calculations

Calculated Indoor Ambient Noise Levels (as per BS 8233:2014 Annex G)



Project:	1 Tony Wilson Place
Project number:	24311
Date:	25/02/2025

Floor:	Ground
Room:	Room 885 m2

Daytime ($L_{Aeq,16hr}$)				Octave band centre frequency											
	Unit	Value	Description	Term	63	125	250	500	1k	2k	4k	8k	Broadband term		
EXTERNAL NOISE LEVEL															
External noise level			Façade 1	$L_{eq,1}$	64	60	59	57	55	50	44	37	$L_{Aeq,1}$	59 dB	
Façade correction factor				C	0	0	0	0	0	0	0	0			
INCIDENT FAÇADE NOISE LEVEL															
Incident noise level			Façade 1	$L_{eq,ff}$	64	60	59	57	55	50	44	37	$L_{Aeq,ff}$	59 dB	
ROOM DATA															
Room description and reverberation time	Volume	3319	Office	RT60	0.6	0.6	0.7	0.7	0.8	0.8	0.7	0.6		s	
FAÇADE ELEMENTS (Façade 1)															
Glazing	Area	179	Generic 6/6-16/6	Rw	20	20	18	28	38	34	38	43	Rw / Rw+Ctr	31 / 27 dB	
Wall	Area	106	Brick and block external wall	Rw	34	40	44	45	51	56	60	63	Rw / Rw+Ctr	50 / 47 dB	
None					#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
None					#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
RESULTS															
Total calculated indoor noise level					$L_{eq,2}$	40	36	37	25	14	13	3	-	$L_{Aeq,2}$	30 dB

Calculated Indoor Ambient Noise Levels (as per BS 8233:2014 Annex G)



Project:	1 Tony Wilson Place
Project number:	24311
Date:	25/02/2025

Floor:	Ground
Room:	Room 260 m2

Daytime ($L_{Aeq,16hr}$)				Octave band centre frequency											
	Unit	Value	Description	Term	63	125	250	500	1k	2k	4k	8k	Broadband term		
EXTERNAL NOISE LEVEL															
External noise level			Façade 1	$L_{eq,1}$	65	61	58	56	56	52	47	39	$L_{Aeq,1}$	60 dB	
Façade correction factor				C	0	0	0	0	0	0	0	0			
INCIDENT FAÇADE NOISE LEVEL															
Incident noise level			Façade 1	$L_{eq,ff}$	65	61	58	56	56	52	47	39	$L_{Aeq,ff}$	60 dB	
ROOM DATA															
Room description and reverberation time	Volume	975	Office	RT60	0.6	0.6	0.7	0.7	0.8	0.8	0.7	0.6		s	
FAÇADE ELEMENTS (Façade 1)															
Glazing	Area	64	Generic 6/6-16/6	Rw	20	20	18	28	38	34	38	43	Rw / Rw+Ctr	31 / 27 dB	
Wall	Area	7	Brick and block external wall	Rw	34	40	44	45	51	56	60	63	Rw / Rw+Ctr	50 / 47 dB	
None					#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
None					#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
RESULTS															
Total calculated indoor noise level				$L_{eq,2}$	42	38	37	25	16	16	6	-	$L_{Aeq,2}$	31 dB	

Calculated Indoor Ambient Noise Levels (as per BS 8233:2014 Annex G)



Project:	1 Tony Wilson Place
Project number:	24311
Date:	25/02/2025

Floor:	Ground
Room:	Studio

Daytime ($L_{Aeq,16hr}$)				Octave band centre frequency											
	Unit	Value	Description	Term	63	125	250	500	1k	2k	4k	8k	Broadband term		
EXTERNAL NOISE LEVEL															
External noise level			Façade 1	$L_{eq,1}$	64	60	57	56	56	52	45	36		$L_{Aeq,1}$	60 dB
Façade correction factor				C	0	0	0	0	0	0	0	0			
INCIDENT FAÇADE NOISE LEVEL															
Incident noise level			Façade 1	$L_{eq,ff}$	64	60	57	56	56	52	45	36		$L_{Aeq,ff}$	60 dB
ROOM DATA															
Room description and reverberation time	Volume	551	Office	RT60	0.6	0.6	0.7	0.7	0.8	0.8	0.7	0.6		s	
FAÇADE ELEMENTS (Façade 1)															
Glazing	Area	12	Generic 6/6-16/6 Brick and block external wall	Rw	20	20	18	28	38	34	38	43		Rw / Rw+Ctr	31 / 27 dB
Wall	Area	3.5		Rw	34	40	44	45	51	56	60	63		Rw / Rw+Ctr	50 / 47 dB
None				#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
None				#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
RESULTS															
Total calculated indoor noise level				$L_{eq,2}$	36	32	32	21	11	11	-	-		$L_{Aeq,2}$	25 dB

Calculated Indoor Ambient Noise Levels (as per BS 8233:2014 Annex G)



Project:	1 Tony Wilson Place
Project number:	24311
Date:	25/02/2025

Floor:	1st Floor
Room:	Open Plan Office (CAT A)

Daytime ($L_{Aeq,16hr}$)				Octave band centre frequency											
	Unit	Value	Description	Term	63	125	250	500	1k	2k	4k	8k	Broadband term		
EXTERNAL NOISE LEVEL															
External noise level			Façade 1	$L_{eq,1}$	64	60	57	56	56	52	45	36	$L_{Aeq,1}$	60 dB	
Façade correction factor				C	0	0	0	0	0	0	0	0			
INCIDENT FAÇADE NOISE LEVEL															
Incident noise level			Façade 1	$L_{eq,ff}$	64	60	57	56	56	52	45	36	$L_{Aeq,ff}$	60 dB	
ROOM DATA															
Room description and reverberation time	Volume	2275	Office	RT60	0.6	0.6	0.7	0.7	0.8	0.8	0.7	0.6	s		
FAÇADE ELEMENTS (Façade 1)															
Glazing	Area	372.5	Generic 6/6-16/6	Rw	20	20	18	28	38	34	38	43	Rw / Rw+Ctr	31 / 27 dB	
Wall	Area	28.8	Brick and block external wall	Rw	34	40	44	45	51	56	60	63	Rw / Rw+Ctr	50 / 47 dB	
None				#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
None				#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
RESULTS															
Total calculated indoor noise level				$L_{eq,2}$	44	41	41	30	20	20	8	-	$L_{Aeq,2}$	34 dB	

Calculated Indoor Ambient Noise Levels (as per BS 8233:2014 Annex G)



Project:	1 Tony Wilson Place
Project number:	24311
Date:	25/02/2025

Floor:	2nd Floor
Room:	Open Plan Office (CAT A)

Daytime ($L_{Aeq,16hr}$)				Octave band centre frequency											
	Unit	Value	Description	Term	63	125	250	500	1k	2k	4k	8k	Broadband term		
EXTERNAL NOISE LEVEL															
External noise level			Façade 1	$L_{eq,1}$	64	60	57	56	56	52	45	36	$L_{Aeq,1}$	60 dB	
Façade correction factor				C	0	0	0	0	0	0	0	0			
INCIDENT FAÇADE NOISE LEVEL															
Incident noise level			Façade 1	$L_{eq,ff}$	64	60	57	56	56	52	45	36	$L_{Aeq,ff}$	60 dB	
ROOM DATA															
Room description and reverberation time		Volume	2275	Office	RT60	0.6	0.6	0.7	0.7	0.8	0.8	0.7	0.6	s	
FAÇADE ELEMENTS (Façade 1)															
Glazing	Area	372.5	Generic 6/6-16/6	Rw	20	20	18	28	38	34	38	43	Rw / Rw+Ctr	31 / 27 dB	
Wall	Area	28.8	Brick and block external wall	Rw	34	40	44	45	51	56	60	63	Rw / Rw+Ctr	50 / 47 dB	
None					#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
None					#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
RESULTS															
Total calculated indoor noise level					$L_{eq,2}$	44	41	41	30	20	20	8	-	$L_{Aeq,2}$	34 dB

Calculated Indoor Ambient Noise Levels (as per BS 8233:2014 Annex G)



Project:	1 Tony Wilson Place
Project number:	24311
Date:	25/02/2025

Floor:	3rd Floor
Room:	Open Plan Office (CAT A)

Daytime ($L_{Aeq,16hr}$)				Octave band centre frequency											
	Unit	Value	Description	Term	63	125	250	500	1k	2k	4k	8k	Broadband term		
EXTERNAL NOISE LEVEL															
External noise level			Façade 1	$L_{eq,1}$	64	60	57	56	56	52	45	36	$L_{Aeq,1}$	60 dB	
Façade correction factor				C	0	0	0	0	0	0	0	0			
INCIDENT FAÇADE NOISE LEVEL															
Incident noise level			Façade 1	$L_{eq,ff}$	64	60	57	56	56	52	45	36	$L_{Aeq,ff}$	60 dB	
ROOM DATA															
Room description and reverberation time	Volume	2275	Office	RT60	0.6	0.6	0.7	0.7	0.8	0.8	0.7	0.6		s	
FAÇADE ELEMENTS (Façade 1)															
Glazing	Area	372.5	Generic 6/6-16/6	Rw	20	20	18	28	38	34	38	43	Rw / Rw+Ctr	31 / 27 dB	
Wall	Area	28.8	Brick and block external wall	Rw	34	40	44	45	51	56	60	63	Rw / Rw+Ctr	50 / 47 dB	
None					#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
None					#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
RESULTS															
Total calculated indoor noise level				$L_{eq,2}$	44	41	41	30	20	20	8	-	$L_{Aeq,2}$	34 dB	

Calculated Indoor Ambient Noise Levels (as per BS 8233:2014 Annex G)



Project:	1 Tony Wilson Place
Project number:	24311
Date:	25/02/2025

Floor:	4th Floor
Room:	Open Plan Office (CAT A)

Daytime ($L_{Aeq,16hr}$)				Octave band centre frequency											
	Unit	Value	Description	Term	63	125	250	500	1k	2k	4k	8k	Broadband term		
EXTERNAL NOISE LEVEL															
External noise level			Façade 1	$L_{eq,1}$	64	60	57	56	56	52	45	36		$L_{Aeq,1}$	60 dB
Façade correction factor				C	0	0	0	0	0	0	0	0			
INCIDENT FAÇADE NOISE LEVEL															
Incident noise level			Façade 1	$L_{eq,ff}$	64	60	57	56	56	52	45	36		$L_{Aeq,ff}$	60 dB
ROOM DATA															
Room description and reverberation time	Volume	2275	Office	RT60	0.6	0.6	0.7	0.7	0.8	0.8	0.7	0.6		s	
FAÇADE ELEMENTS (Façade 1)															
Glazing	Area	372.5	Generic 6/6-16/6	Rw	20	20	18	28	38	34	38	43		Rw / Rw+Ctr	31 / 27 dB
Wall	Area	28.8	Brick and block external wall	Rw	34	40	44	45	51	56	60	63		Rw / Rw+Ctr	50 / 47 dB
None					#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
None					#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
RESULTS															
Total calculated indoor noise level				$L_{eq,2}$	44	41	41	30	20	20	8	-		$L_{Aeq,2}$	34 dB

Calculated Indoor Ambient Noise Levels (as per BS 8233:2014 Annex G)



Project:	1 Tony Wilson Place
Project number:	24311
Date:	25/02/2025

Floor:	5th Floor
Room:	Open Plan Office (CAT A)

Daytime ($L_{Aeq,16hr}$)				Octave band centre frequency											
	Unit	Value	Description	Term	63	125	250	500	1k	2k	4k	8k	Broadband term		
EXTERNAL NOISE LEVEL															
External noise level			Façade 1	$L_{eq,1}$	64	60	57	56	56	52	45	36		$L_{Aeq,1}$	60 dB
Façade correction factor				C	0	0	0	0	0	0	0	0			
INCIDENT FAÇADE NOISE LEVEL															
Incident noise level			Façade 1	$L_{eq,ff}$	64	60	57	56	56	52	45	36		$L_{Aeq,ff}$	60 dB
ROOM DATA															
Room description and reverberation time	Volume	2275	Office	RT60	0.6	0.6	0.7	0.7	0.8	0.8	0.7	0.6		s	
FAÇADE ELEMENTS (Façade 1)															
Glazing	Area	372.5	Generic 6/6-16/6	Rw	20	20	18	28	38	34	38	43		Rw / Rw+Ctr	31 / 27 dB
Wall	Area	28.8	Brick and block external wall	Rw	34	40	44	45	51	56	60	63		Rw / Rw+Ctr	50 / 47 dB
None					#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
None					#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
RESULTS															
Total calculated indoor noise level				$L_{eq,2}$	44	41	41	30	20	20	8	-		$L_{Aeq,2}$	34 dB

Calculated Indoor Ambient Noise Levels (as per BS 8233:2014 Annex G)



Project:	1 Tony Wilson Place
Project number:	24311
Date:	25/02/2025

Floor:	6th Floor
Room:	Open Plan Office (CAT A)

Daytime ($L_{Aeq,16hr}$)				Octave band centre frequency											
	Unit	Value	Description	Term	63	125	250	500	1k	2k	4k	8k	Broadband term		
EXTERNAL NOISE LEVEL															
External noise level			Façade 1	$L_{eq,1}$	64	60	57	56	56	52	45	36	$L_{Aeq,1}$	60 dB	
Façade correction factor				C	0	0	0	0	0	0	0	0			
INCIDENT FAÇADE NOISE LEVEL															
Incident noise level			Façade 1	$L_{eq,ff}$	64	60	57	56	56	52	45	36	$L_{Aeq,ff}$	60 dB	
ROOM DATA															
Room description and reverberation time	Volume	2275	Office	RT60	0.6	0.6	0.7	0.7	0.8	0.8	0.7	0.6	s		
FAÇADE ELEMENTS (Façade 1)															
Glazing	Area	372.5	Generic 6/6-16/6	Rw	20	20	18	28	38	34	38	43	Rw / Rw+Ctr	31 / 27 dB	
Wall	Area	28.8	Brick and block external wall	Rw	34	40	44	45	51	56	60	63	Rw / Rw+Ctr	50 / 47 dB	
None				#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
None				#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
RESULTS															
Total calculated indoor noise level				$L_{eq,2}$	44	41	41	30	20	20	8	-	$L_{Aeq,2}$	34 dB	

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