
Memo: M015-A

Date: 6 July 2022

Project: 17287

Pages: 17

From: Jose M. Gonzalez

Reviewer: Matthew Robinson

Ancoats Gardens, Rochdale Road, Manchester

Proposed acoustic testing schedule

This memo outlines the proposed testing schedule for the commissioning tests to be carried out at Ancoast Gardens, Rochdale Road, Manchester in order to satisfy the requirements of ADE 2003. The proposed number of tests and locations has been based of 10% of the total number of residential apartments.

Mark-ups of proposed test locations to adjacent apartments are appended at the end of this document.

Testing conditions

The following conditions are required to carry out the tests:

- Quiet conditions – no noisy works can occur in the vicinity of the test rooms. This includes works such as hammering, use of power tools, ground works, testing of fire alarms etc. We can generally work around quiet finishing works such as decorating, although the rooms in which the tests are being carried out must be unoccupied.
- All partitions and floors complete, including the installation of sockets, completion of ceilings etc.
- All doors and windows (including trickle vents where appropriate) must be installed and closeable.
- Carpet must not be laid in rooms where impact sound insulation tests are to be carried out. If carpet is installed, it must be pulled back in order to exposed at least 50% of the floor area.
- Power must be available in all rooms (240V or 110V can be accommodated, but we must be informed of which is available prior to attending site).
- Rooms to be tested must be reasonably clear of building materials.

Sound insulation testing

ADE 2003

Tests sets should be carried out in at least 1 in 10 apartments and 1 in 10 subsets as defined by Building Regulations Approved Document E.

There are 151 residential apartments proposed and therefore up to 16 tests are likely to be required, or up to 96 individual tests (subject to Building Control). A set of tests consists of 6 individual tests, including:

- Two airborne tests of walls between apartments
- Two airborne tests of floors between apartments
- Two impact tests of floors between apartments.

Entertainment noise egress and transfer (MCC) – Planning condition 14

Airborne sound insulation testing to be carried out between the following vertical adjacencies

- Commercial unit 1 to residential apartment above
- Commercial unit 2 to residential apartment above
- Gym to residential apartment above

In addition, impact sound transmission to be carried out between gym and residential apartment above on a mock-up lightweight gym flooring.

The above tests are marked-up at the end of the memo

The sound insulation test results will be presented in a test report detailing the results and analysis suitable for submission to the Local Authority.

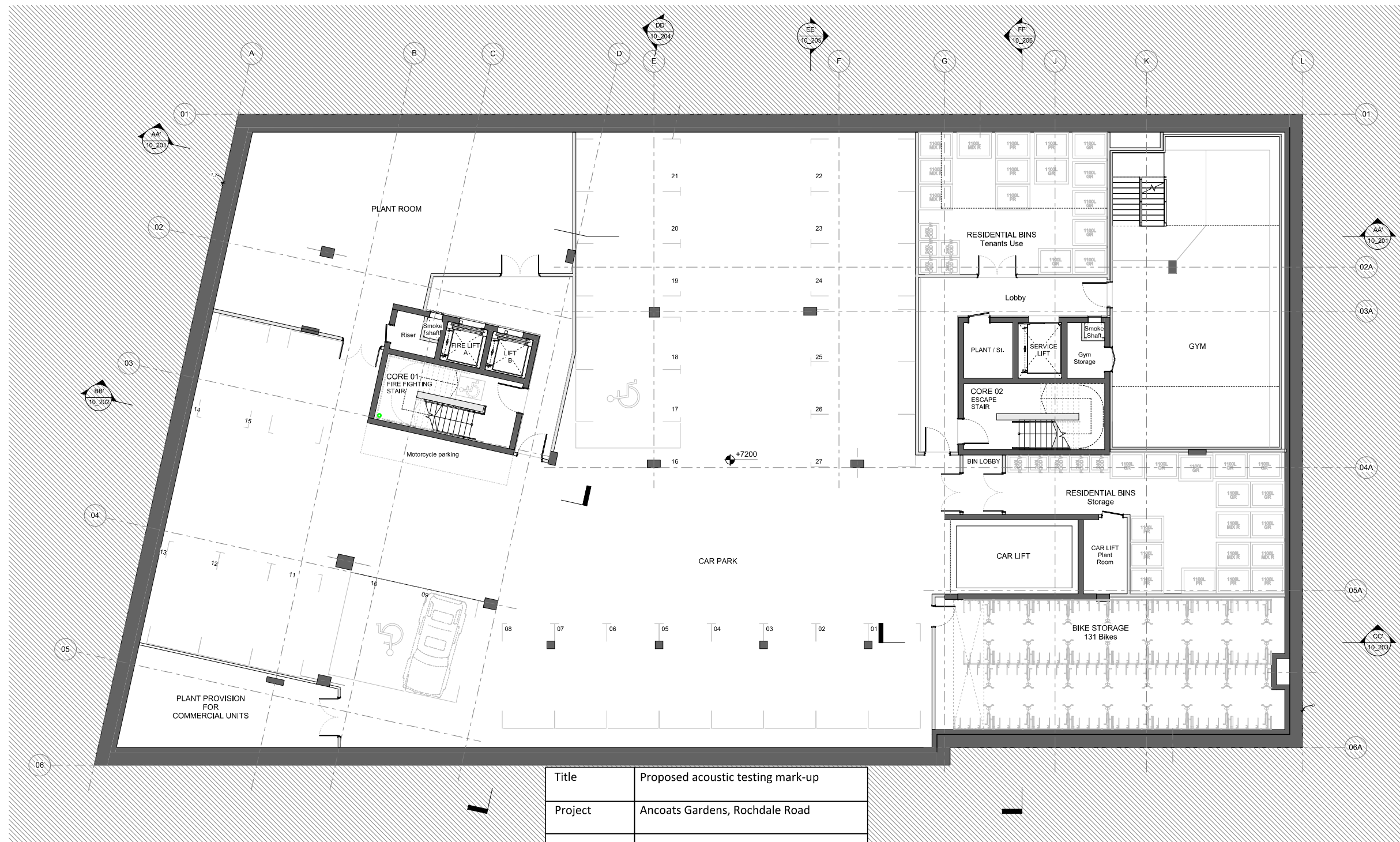
Testing schedule

The apartments proposed to satisfy the above testing is set out in mark-ups appended to the end of this memo.

Basement level

GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED
ALL LEVELS ARE IN METRES UNLESS OTHERWISE STATED
DIMENSIONS ARE NOT TO BE SCALED FROM THE DRAWING
ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT EDITION OF THE BUILDING REGULATIONS (INCLUDING AMENDMENTS) AND ALL RELEVANT BRITISH STANDARDS/CODES OF PRACTICE
CONTRACTOR IS RESPONSIBLE FOR THE CORRECT SETTING OUT OF THE WORK ON SITE
ALL DIMENSIONS TO BE CHECKED PRIOR TO FABRICATION OF MATERIALS
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS AND SPECIFICATIONS
THIS DRAWING SHALL NOT BE DISPERSED WITHOUT THE EXPRESS WRITTEN PERMISSION OF BEECH DESIGN AND BUILD LIMITED



Title	Proposed acoustic testing mark-up
Project	Ancoats Gardens, Rochdale Road
Project no.	17287
Version	A
Marked-up by	Jose M. Gonzalez
Reviewed by	Matthew Robinson
Date	6 July 2022

Mark-up key

 Test direction

SANDY BROWN
Consultants in Acoustics, Noise & Vibration

LEGEND

- M+E Services** M+E Services as per M+E Consultants' design:
- Washing Machine
 - Under Floor Heating Manifold (UFH)
 - Heat Interface Unit
 - VENT Axia Sentinel Kinetic Advance Unit

- ☐ SVP as per M+E Consultants' design

-  Fire Rated and acoustic Access Panel for Maintenance access. Size 300x300mm
Levels 1, 3, 5, 7, 9, 11, 13 & 14.

P2 Issued for Information	MC	2018.11.21
P1 Issued for Information	MC	2018.05.15

Rev	Description	By	Date
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PROJECT: 103 Ancoats Gardens

Proposed GA Plan	
Level Basement	

RAVING TITLE: _____

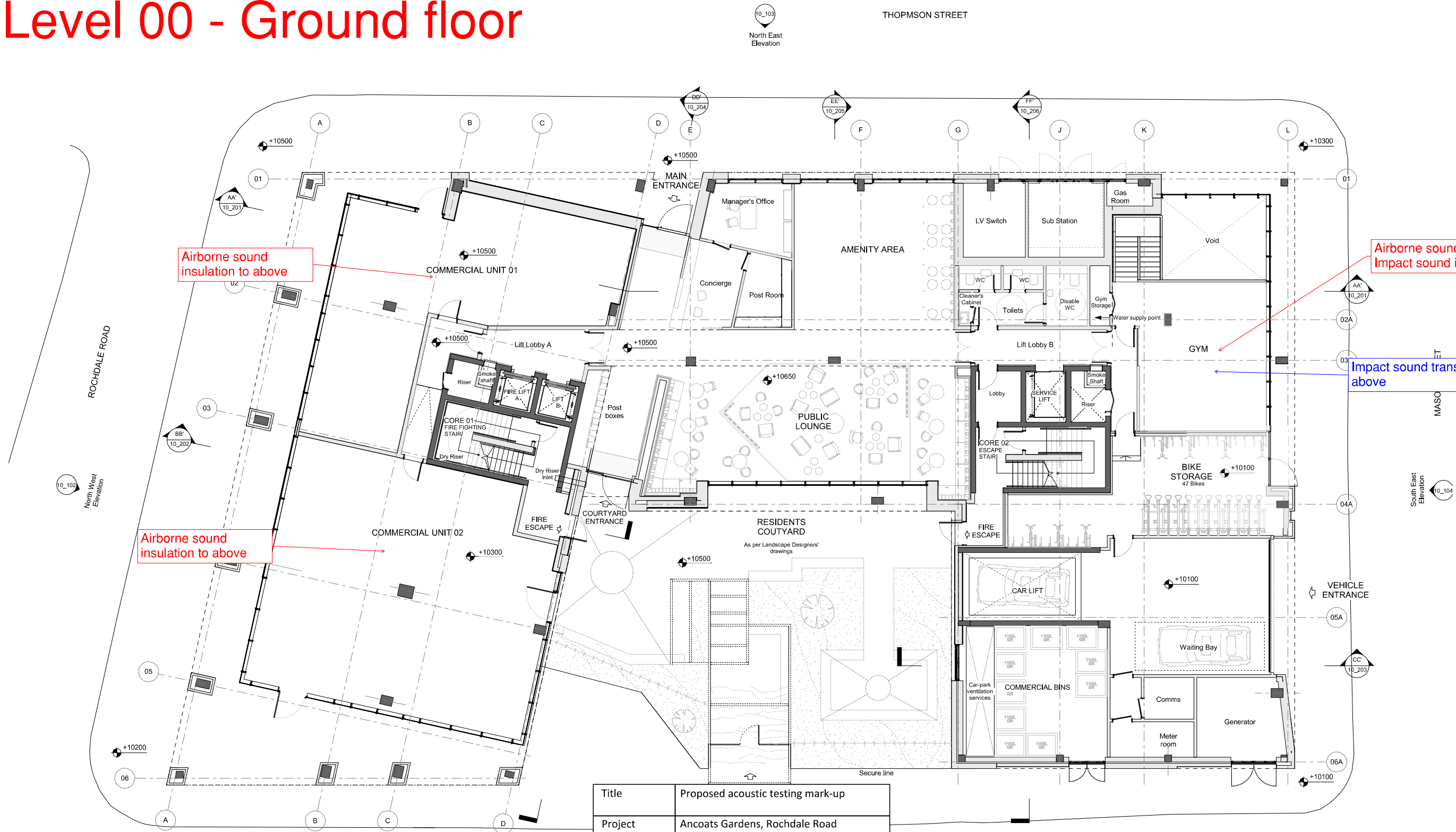
RAISING STATUS: Information

APPROVED: I GRIFFITHS | DATE: May 2018

1 : 100	103_10_001	P2
SCALE:	DRAWING NUMBER:	REV:
		(A1)

1 Proposed GA Plan - Level Basement
1 : 100

Level 00 - Ground floor



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1 Proposed GA Plan - Level 00
1 : 100

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SANDY BROWN
Consultants in Acoustics, Noise & Vibration

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P2 Issued for Information MC 2018.11.21
P1 Issued for Information MC 2018.05.15

Rev Description By Date

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DESIGN & BUILD

CLIENT:

PROJECT: 103 Ancoats Gardens

Proposed GA Plan
Level 00 - Ground Floor

DRAWING TITLE:

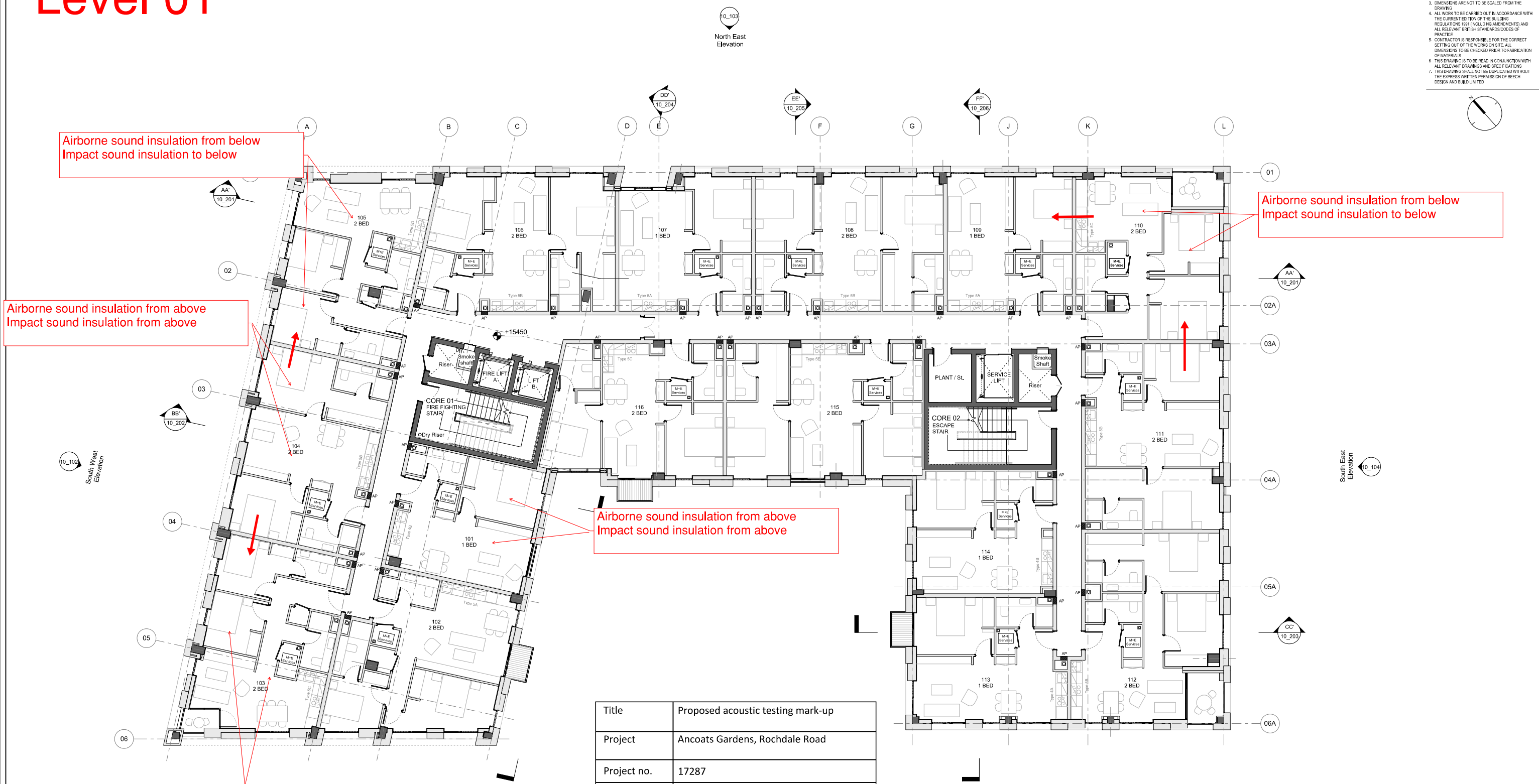
Information

DRAWING STATUS:
DRAWN: L. ALVAREZ
CHECKED: S. LOWE
APPROVED: I. GRIFFITHS
DATE: May 2018

1 : 100 | 103_10_002 | P2
SCALE: DRAWING NUMBER: REV: (A1)

Level 01

- GENERAL NOTES
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PROJECT: 103 Ancoats Gardens

Proposed GA Plan
Level 01

DRAWING TITLE

Information

DRAWING STATUS: I CHECKED: S LOWE

APPROVED: I GRIFFITHS DATE: May 2018

1: 100 103_10_003 P1

SCALE: DRAWING NUMBER: REV:

(A1)

Level 02

- GENERAL NOTES
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10_103
North East
Elevation

DD'
10_204

FF'
10_206

Airborne sound insulation from above
Impact sound insulation from above

Airborne sound insulation from above
Impact sound insulation from above

Airborne sound insulation to below
Impact sound insulation to below

Airborne sound insulation to below
Impact sound insulation to below

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Consultants in Acoustics, Noise & Vibration

LEGEND

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SVP as per M+E Consultants' design

Fire Rated and acoustic Access
Panel for Maintenance access.
Size 300x300mm
Levels 1, 3, 5, 7, 9, 11, 13 & 14.

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Rev Description By Date



PROJECT: 103 Ancoats Gardens

Proposed GA Plan
Level 01

DRAWING TITLE:

Information

DRAWN: M CADAVALL I CHECKED: S LOWE

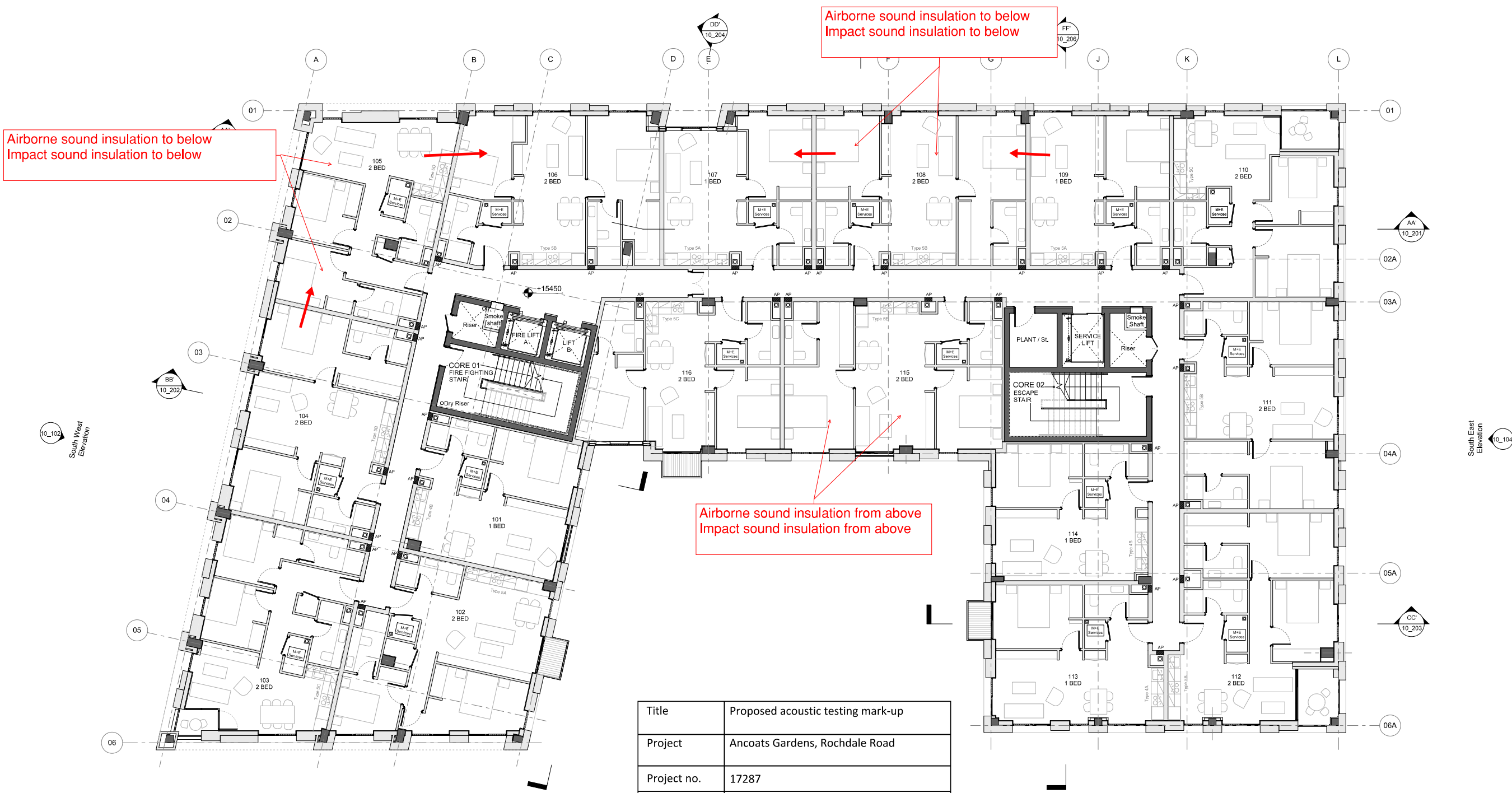
APPROVED: I GRIFFITHS I DATE: May 2018

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SCALE: DRAWING NUMBER: REV: (A1)

Level 03

- GENERAL NOTES
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SANDY BROWN Consultants in Acoustics, Noise & Vibration	

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Rev Description By Date



CLIENT

PROJECT: 103 Ancoats Gardens

Proposed GA Plan Level 01

DRAWING TITLE

DRAWING STATUS: Information

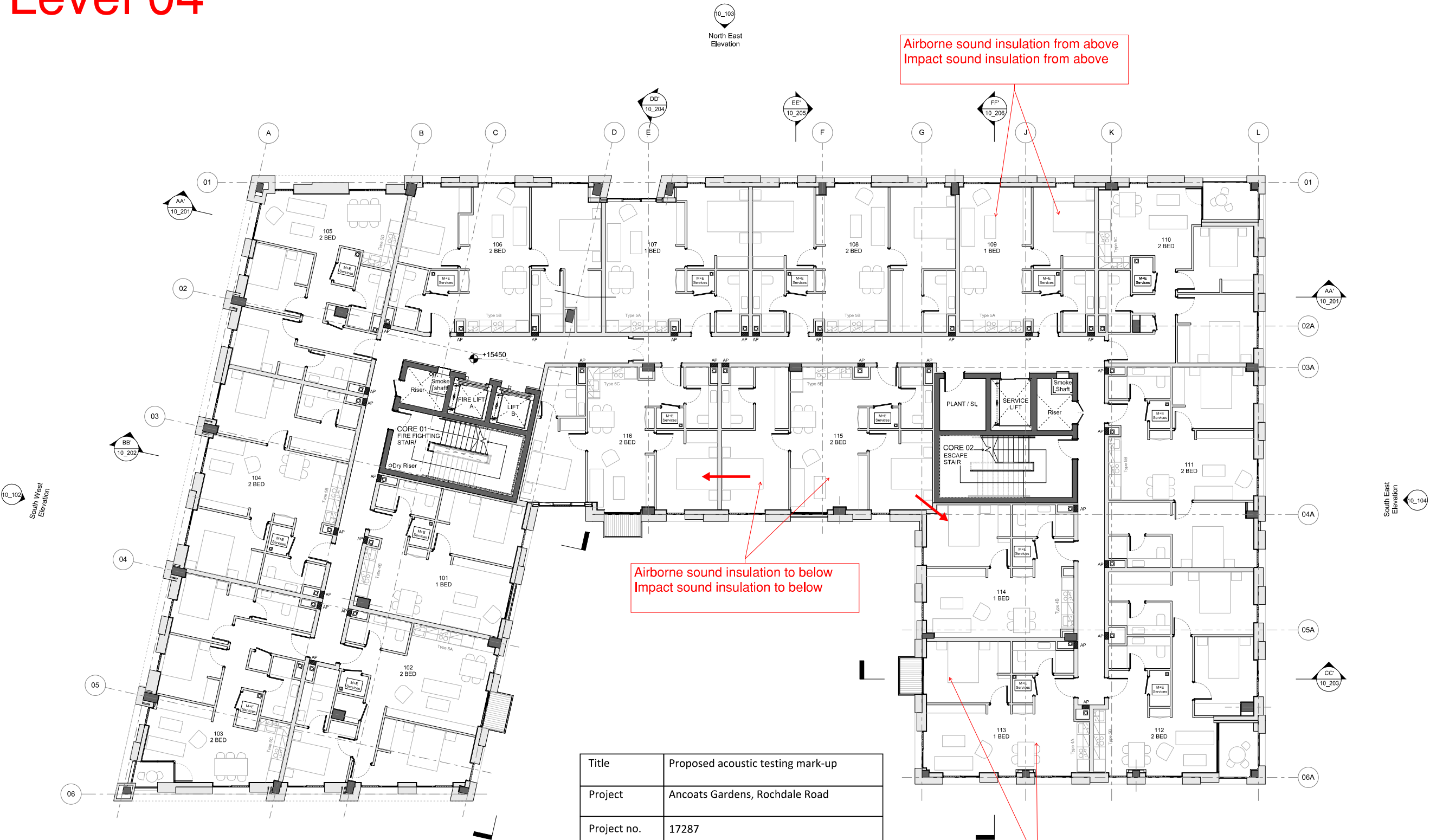
DRAWN: M CADAVAL I CHECKED: S LOWE

APPROVED: I GRIFFITHS I DATE: May 2018

1: 100 103_10_003 P1

SCALE: DRAWING NUMBER: REV: (A1)

Level 04



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SANDY BROWN Consultants in Acoustics, Noise & Vibration	

Line	JoseMariaGD
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PROJECT: 103 Ancoats Gardens

Proposed GA Plan
Level 01

DRAWING TITLE:

Information

DRAWN: M CADAVAL I CHECKED: S LOWE

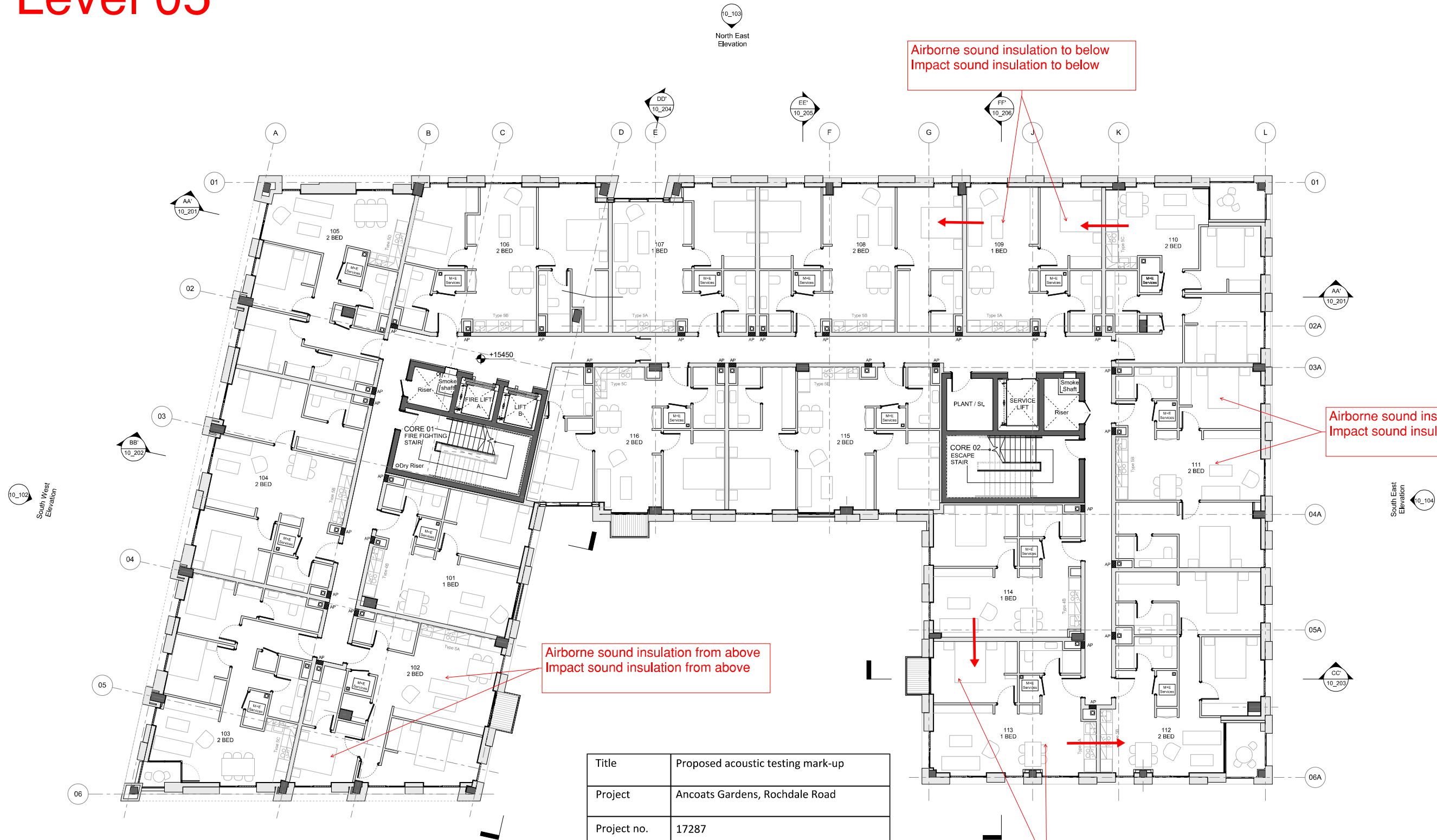
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SCALE: DRAWING NUMBER: REV:

Level 05

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Rev Description By Date



PROJECT: 103 Ancoats Gardens
Proposed GA Plan
Level 01

DRAWING TITLE:

Information

DRAWING STATUS: I CHECKED: SLOWE

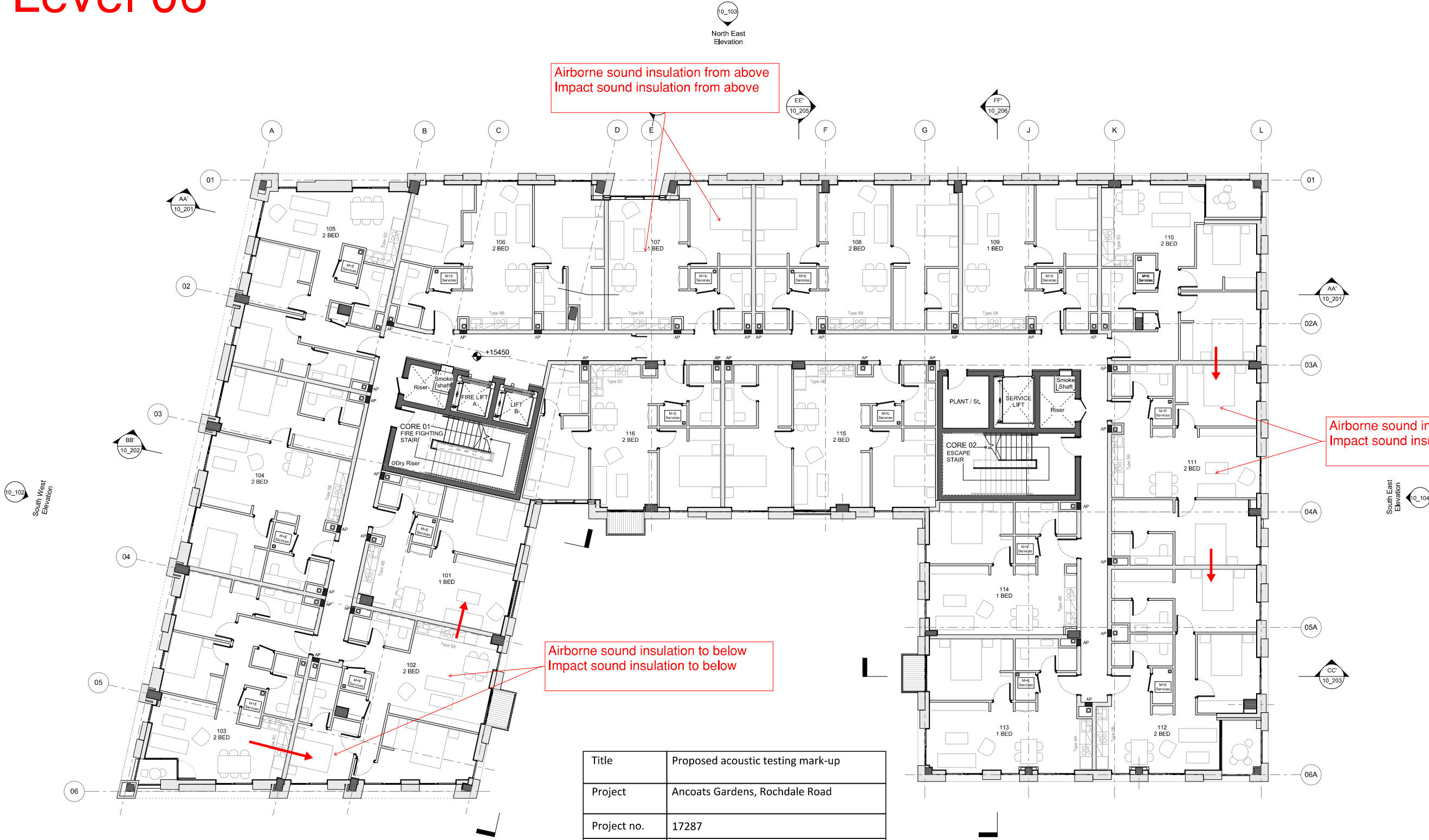
APPROVED: I GRIFFITHS I DATE: May 2018

1: 100 103_10_003 P1

SCALE: DRAWING NUMBER: REV:

Level 06

- GENERAL NOTES
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Airborne sound insulation from above
Impact sound insulation from above

Airborne sound insulation to below
Impact sound insulation to below

Airborne sound insulation to below
Impact sound insulation to below

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SANDY BROWN
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Fire Rated and acoustic Access Panel for Maintenance access. Size 300x300mm Levels 1, 3, 5, 7, 9, 11, 13 & 14.

P1 Issued for Information MC 2018.05.15

Rev Description By Date



PROJECT: 103 Ancoats Gardens
Proposed GA Plan
Level 01

DRAWING TITLE:

DRAWING STATUS: Information

DRAWN: M CADAVALL I CHECKED: S LOWE

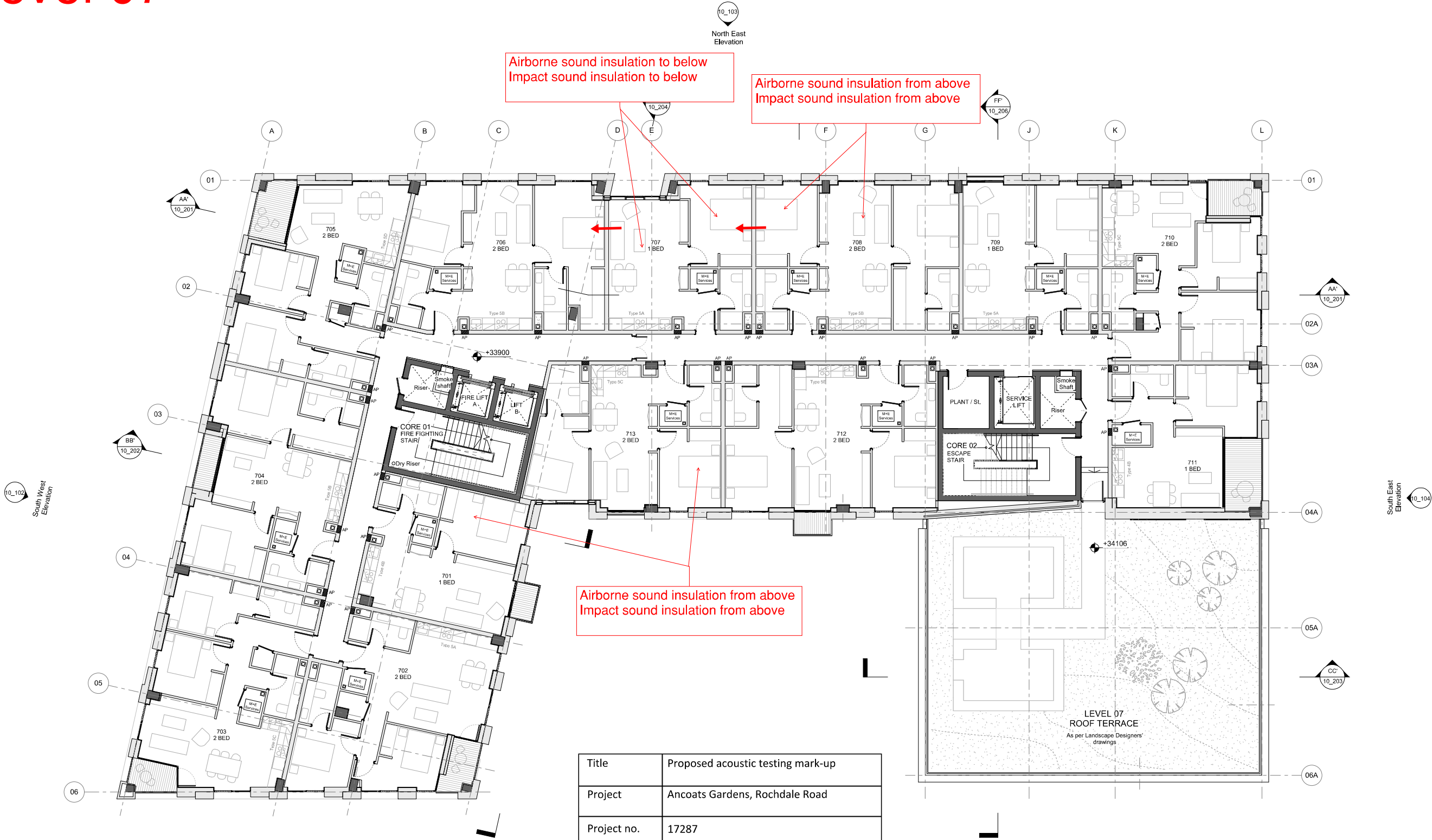
APPROVED: I GRIFFITHS I DATE: May 2018

1: 100 103_10_003 P1

SCALE: DRAWING NUMBER: REV: (A1)

Level 07

- GENERAL NOTES
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SANDY BROWN Consultants in Acoustics, Noise & Vibration	

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P1 Issued for Information MC 2018.05.15

Rev Description By Date



CLIENT

PROJECT: 103 Ancoats Gardens

Proposed GA Plan
Level 07

DRAWING TITLE

DRAWING STATUS: Information

DRAWN: M CADAVAL I CHECKED: S LOWE

APPROVED: I GRIFFITHS I DATE: May 2018

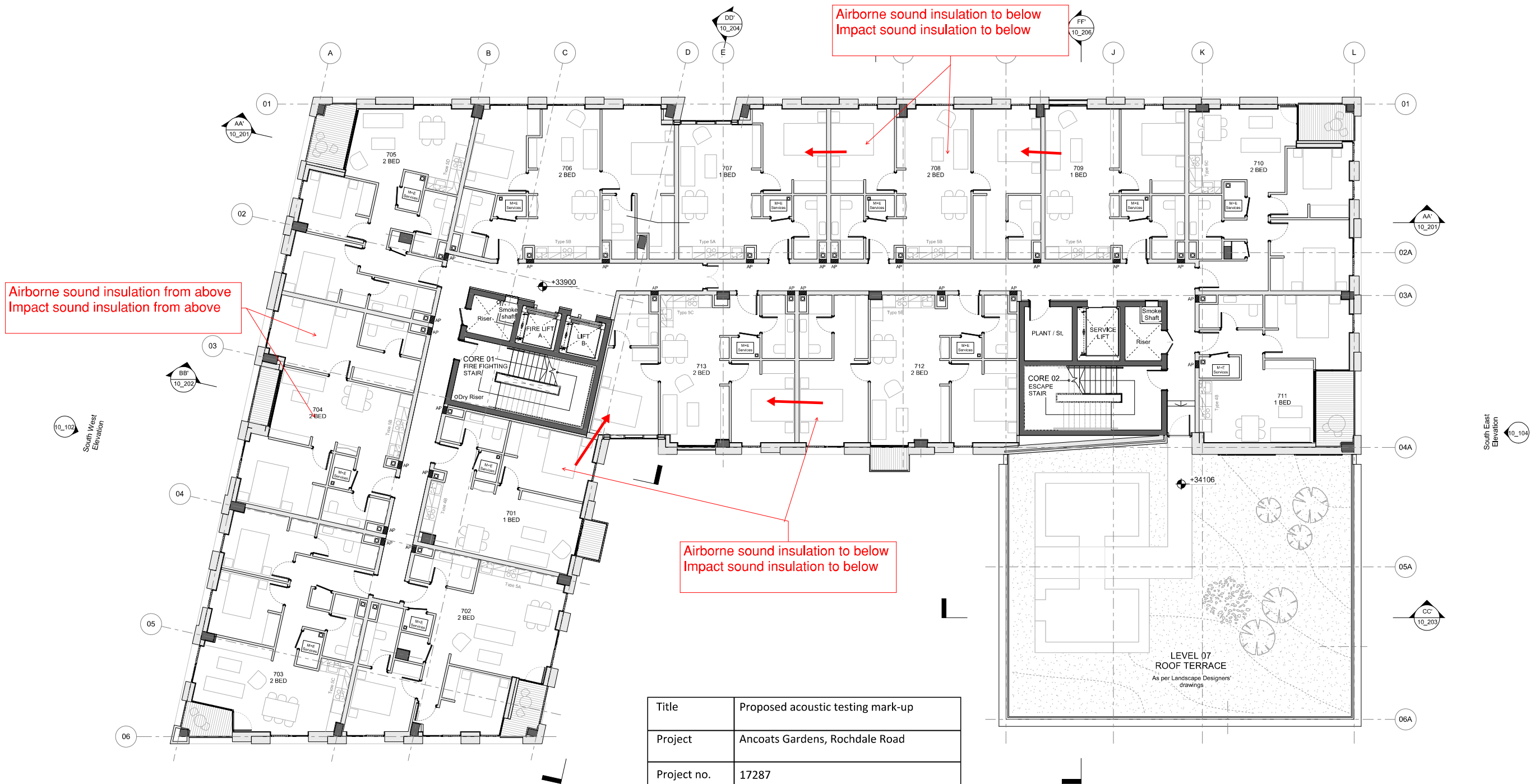
1: 100 | 103_10_009 | P1

SCALE: DRAWING NUMBER: REV:

(A1)

Level 08

- GENERAL NOTES**
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Consultants in Acoustics, Noise & Vibration

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PROJECT: 103 Ancoats Gardens
Proposed GA Plan
Level 07

DRAWING TITLE:

DRAWING STATUS: Information

DRAWN: M CADAVAL I CHECKED: S LOWE

APPROVED: I GRIFFITHS I DATE: May 2018

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SCALE: ORIGINATOR NUMBER: REV:

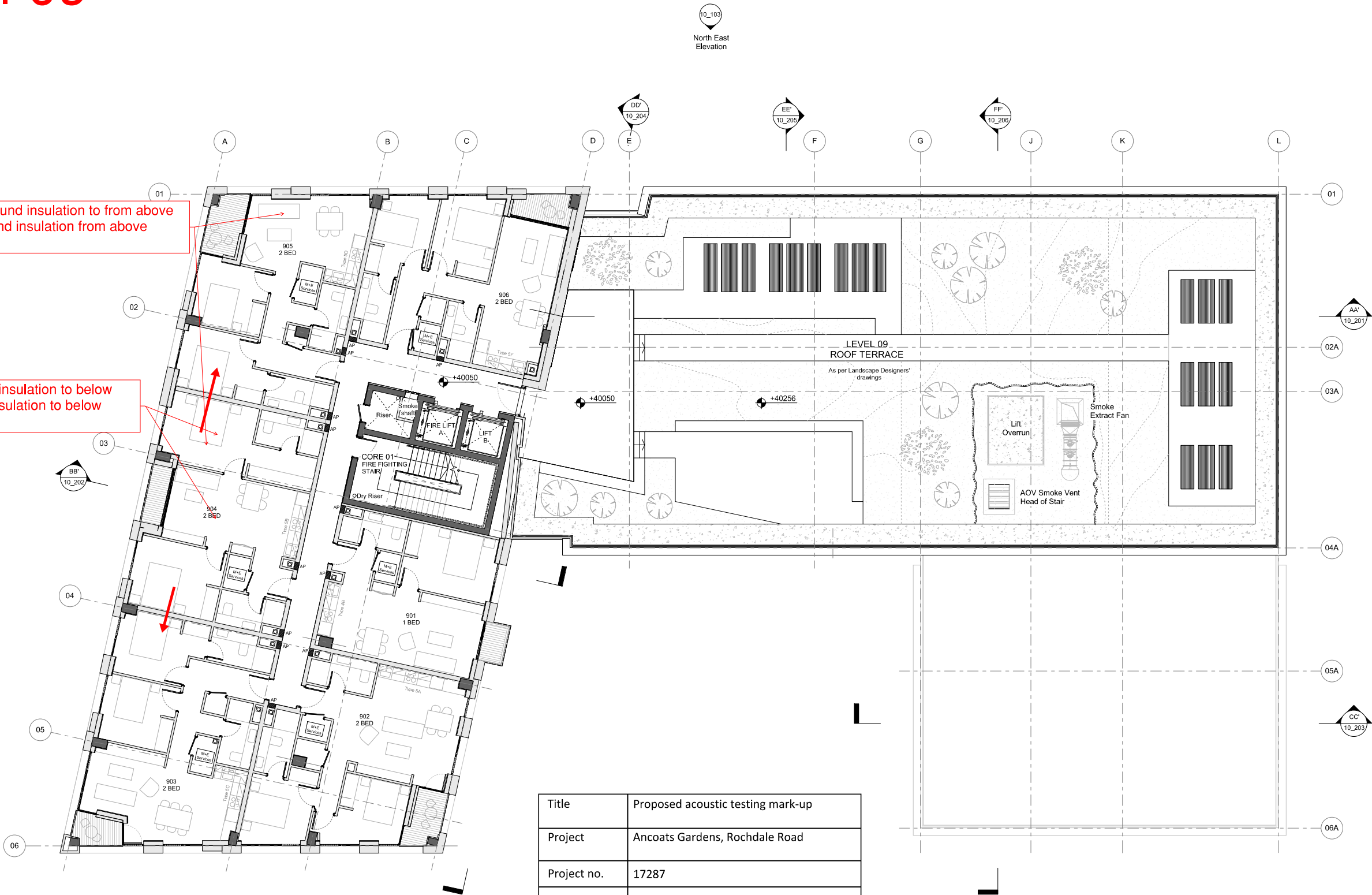
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Level 09

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Airborne sound insulation to from above
Impact sound insulation from above

Airborne sound insulation to below
Impact sound insulation to below



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PROJECT: 103 Ancoats Gardens
Proposed GA Plan
Level 09

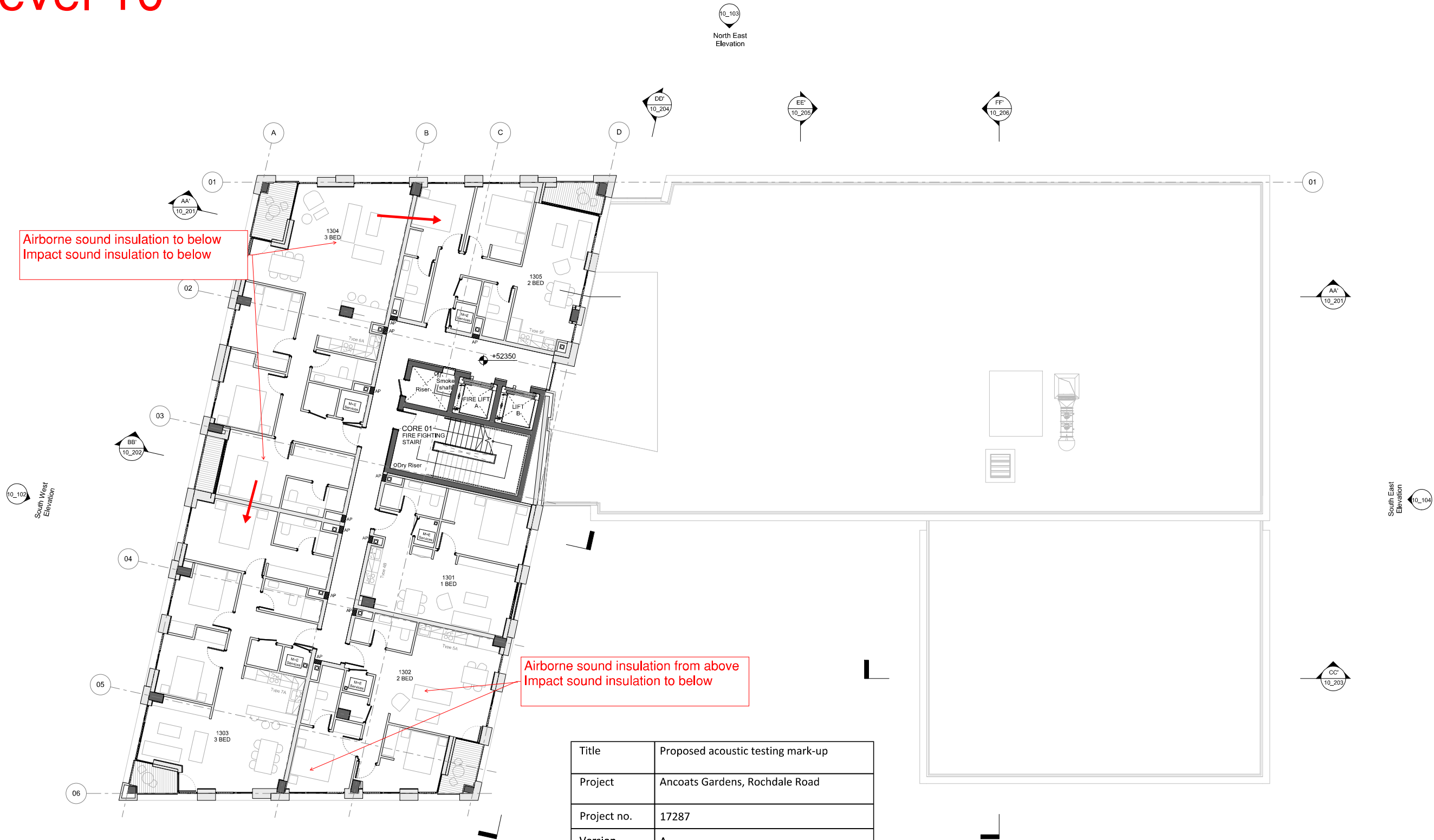
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DRAWN: M CADAVALL CHECKED: S LOWE
APPROVED: I GRIFFITHS DATE: May 2018

1:100 103_10_011 P1
SCALE: DRAWING NUMBER: REV: (A1)

Level 10

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 7. THIS DRAWING SHALL NOT BE DUPLICATED WITHOUT THE EXPRESS WRITTEN PERMISSION OF BEECH DESIGN AND BUILD LIMITED



Title	Proposed acoustic testing mark-up
Project	Ancoats Gardens, Rochdale Road
Project no.	17287
Version	A
Marked-up by	Jose M. Gonzalez
Reviewed by	Matthew Robinson
Date	6 July 2022
Mark-up key ← Test direction	
SANDY BROWN Consultants in Acoustics, Noise & Vibration	

- LEGEND
- M+E Services as per M+E Consultants' design:
 - Washing Machine
 - Under Floor Heating Manifold (UFH)
 - Heat Interface Unit
 - VENT Axia Sentinel Kinetic Advance Unit
 - SVP as per M+E Consultants' design
 - Fire Rated and acoustic Access Panel for Maintenance access. Size 300x300mm Levels 1, 3, 5, 7, 9, 11, 13 & 14.

P1 Issued for Information MC 2018.05.15

Rev Description By Date

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DESIGN & BUILD

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PROJECT: 103 Ancoats Gardens

Proposed GA Plan
Level 13

DRAWING TITLE

Information

DRAWING STATUS: I CHECKED: S LOWE

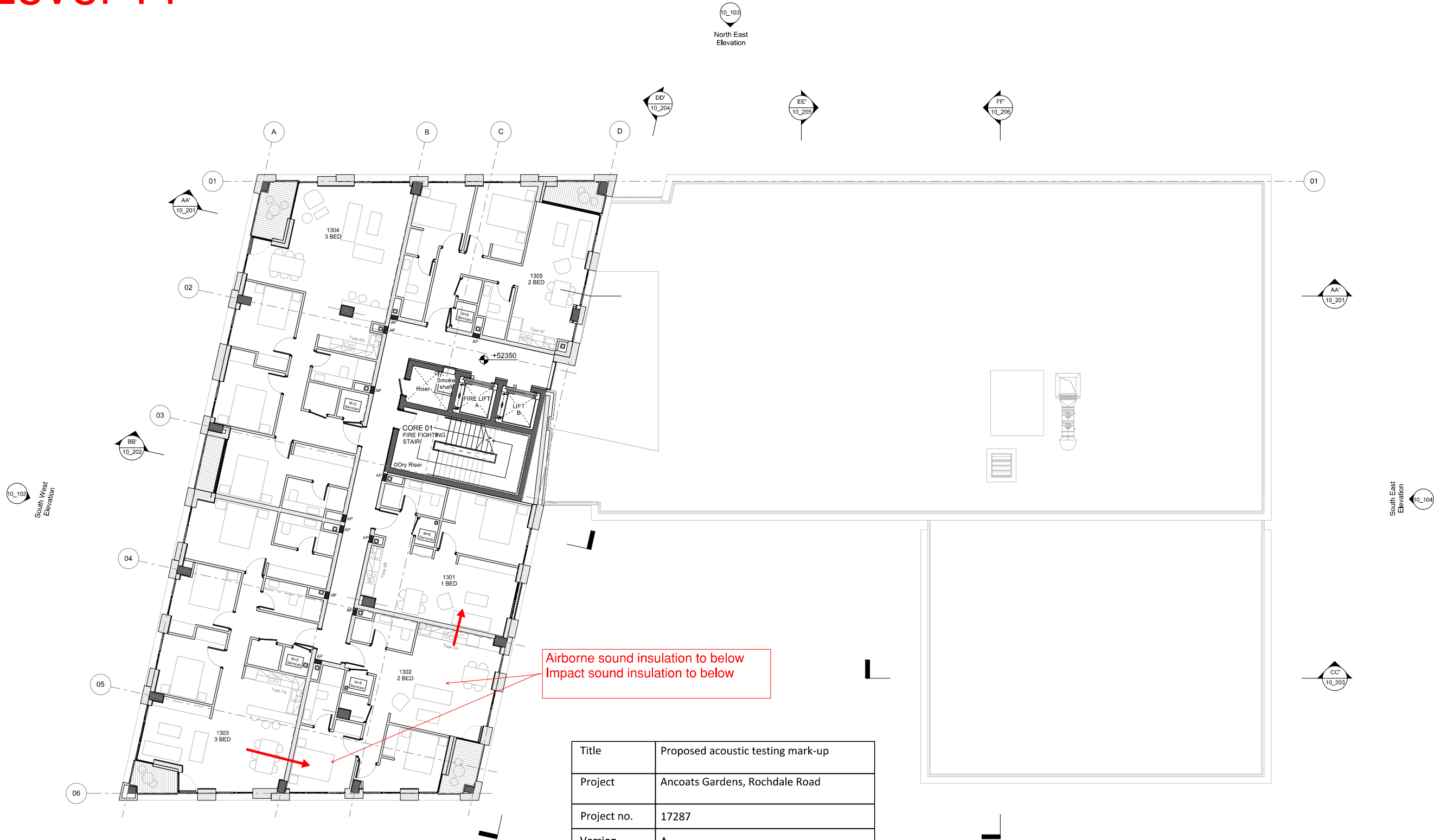
APPROVED: I GRIFFITHS I DATE: May 2018

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SCALE: DRAWING NUMBER: REV: (A1)

Level 11

- GENERAL NOTES
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED
 2. ALL LEVELS ARE IN METRES UNLESS OTHERWISE STATED
 3. DIMENSIONS ARE NOT TO BE SCALED FROM THE DRAWING
 4. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT EDITION OF THE BUILDING REGULATIONS 1981 (INCLUDING AMENDMENTS) AND ALL RELEVANT BRITISH STANDARDS/CODES OF PRACTICE
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Airborne sound insulation to below
Impact sound insulation to below

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SANDY BROWN
Consultants in Acoustics, Noise & Vibration

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Fire Rated and acoustic Access
Panel for Maintenance access.
Size 300x300mm
Levels 1, 3, 5, 7, 9, 11, 13 & 14.

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Rev Description By Date



PROJECT: 103 Ancoats Gardens

Proposed GA Plan
Level 13

DRAWING TITLE:

Information

DRAWN: M CADAVAL I CHECKED: S LOWE

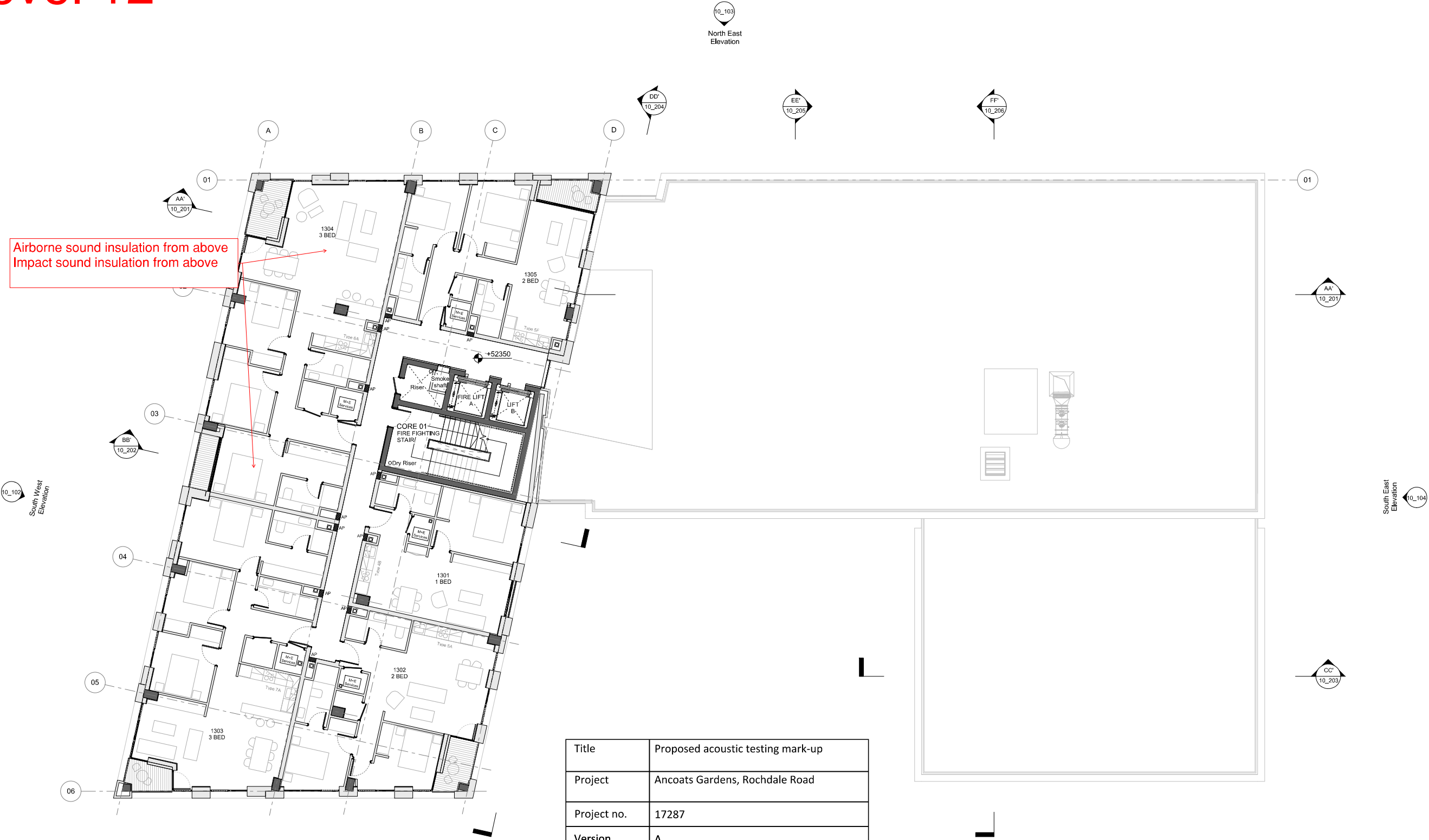
APPROVED: I GRIFFITHS I DATE: May 2018

1: 100 103_10_015 P1

SCALE: DRAWING NUMBER: REV: (A1)

Level 12

- GENERAL NOTES
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PROJECT: 103 Ancoats Gardens

Proposed GA Plan
Level 13

DRAWING TITLE: Information

DRAWING STATUS: I CHECKED: S LOWE

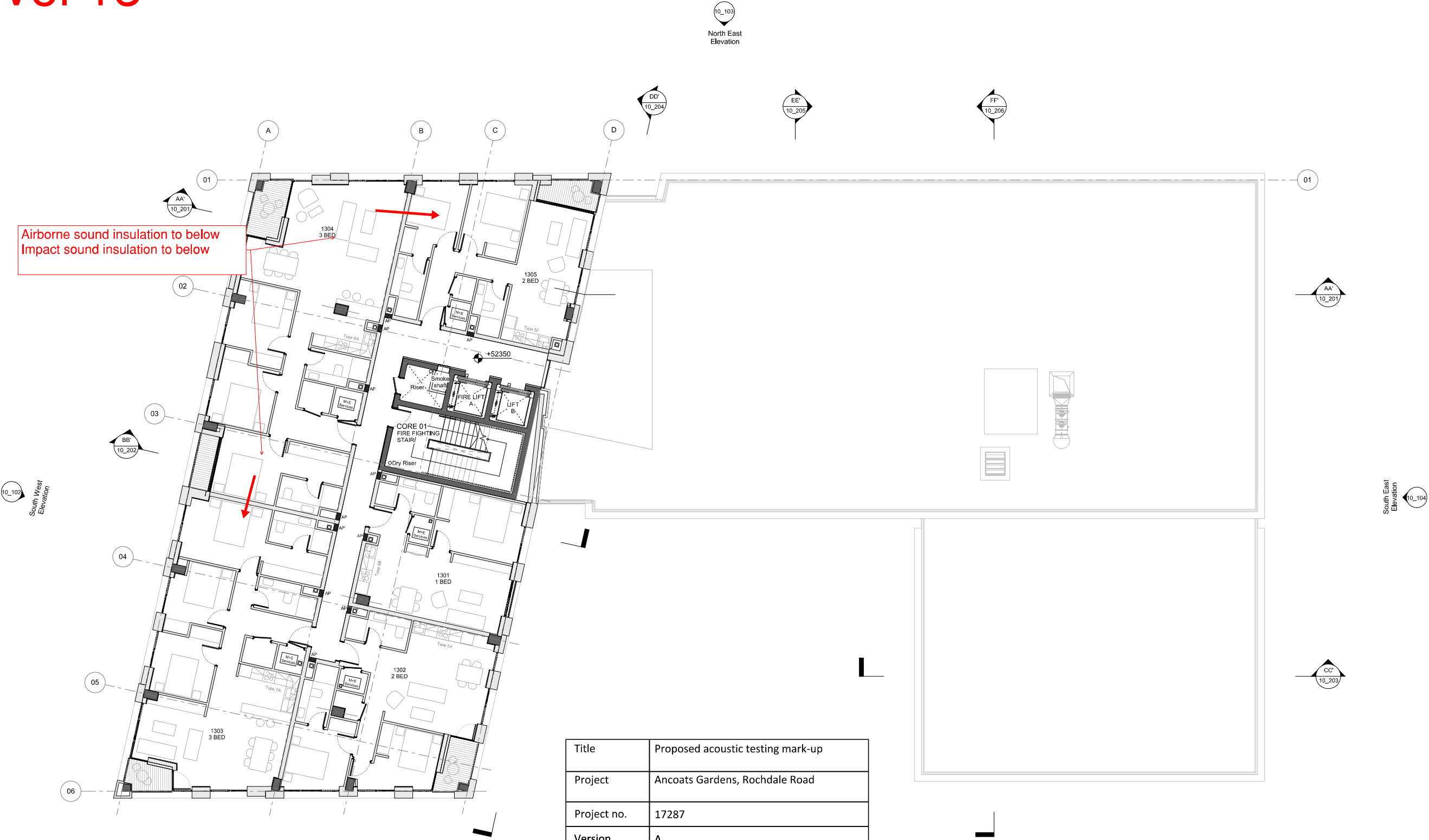
DRAWN: M CADAVAL I DATE: May 2018

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SCALE: DRAWING NUMBER: REV: (A1)

Level 13

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