



Keyplan

North

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Scale bar
0.5 0 0.5 1 1.5 2 2.5
SCALE 1:50 m

Existing Structure
Proposed Structure

55 Princess Street

Key	Minimum laboratory rating	Minimum on-site performance
—	R_w 40 dB	-
—	R_w 45 dB	-
—	R_w 50 dB	-
—	R_w 47 dB shaft wall	-
—	R_w 53 dB (blockwork only excludes linings)	-
—	$R_w + C_w$ 57 dB	$D_{nT,w} + C_w$ 43 dB (minimum for ADE) $D_{nT,w} + C_w$ 48 dB (target)
—	$R_w + C_w$ 52 dB	$D_{nT,w} + C_w$ 43 dB (ADE room front)
■	Independent lining: 2 x 12.5 mm dense plasterboard (≥ 25 kg/m ²) with 25 mm mineral fibre on independent studs.	
■	Staggered stud advised	
●	R_w 29 dB door	
●	R_w 35 dB door	
●	No acoustic rating to WC or kitchen doors where they are undercut for ventilation or sliding pocket doors. Refer to main text in document.	

16-24 Kennedy Street: Partition and door sound insulation mark-ups

Author: Una Brown

Reviewer: Mark Hinds

Date: 15 April 2021

No.	Revision	Date	Initial	Chk'd
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EPR Architects

30 Milbank, London SW1P 4DU
+44(0)20 79327600
www.epr.co.uk

Kennedy Street Properties

Proposed - Basement Plans

Scale @ Status Suitability Revision
1:50 Work in Progress S2 - P01

Project Code Originator Zone Level Type Rate Class Number
11175 - EPR - ZZ - B1 - DR - A - 02-0100



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Scale bar
0.5 0 0.5 1 1.5 2 2.5
SCALE 1:50 m

Existing Structure
Proposed Structure

Key	Minimum laboratory rating	Minimum on-site performance
	R_w 40 dB	-
	R_w 45 dB	-
	R_w 50 dB	-
	R_w 47 dB shaft wall	-
	R_w 53 dB (blockwork only excludes linings)	-
	$R_w + C_w$ 57 dB	$D_{nt,w} + C_w$ 43 dB (minimum for ADE) $D_{nt,w} + C_w$ 48 dB (target)
	$R_w + C_w$ 52 dB	$D_{nt,w} + C_w$ 43 dB (ADE room front)
	Independent lining: 2 x 12.5 mm dense plasterboard (≥ 25 kg/m ²) with 25 mm mineral fibre on independent studs.	
	Staggered stud advised	
	R_w 29 dB door	
	R_w 35 dB door	
	No acoustic rating to WC or kitchen doors where they are undercut for ventilation or sliding pocket doors. Refer to main text in document.	

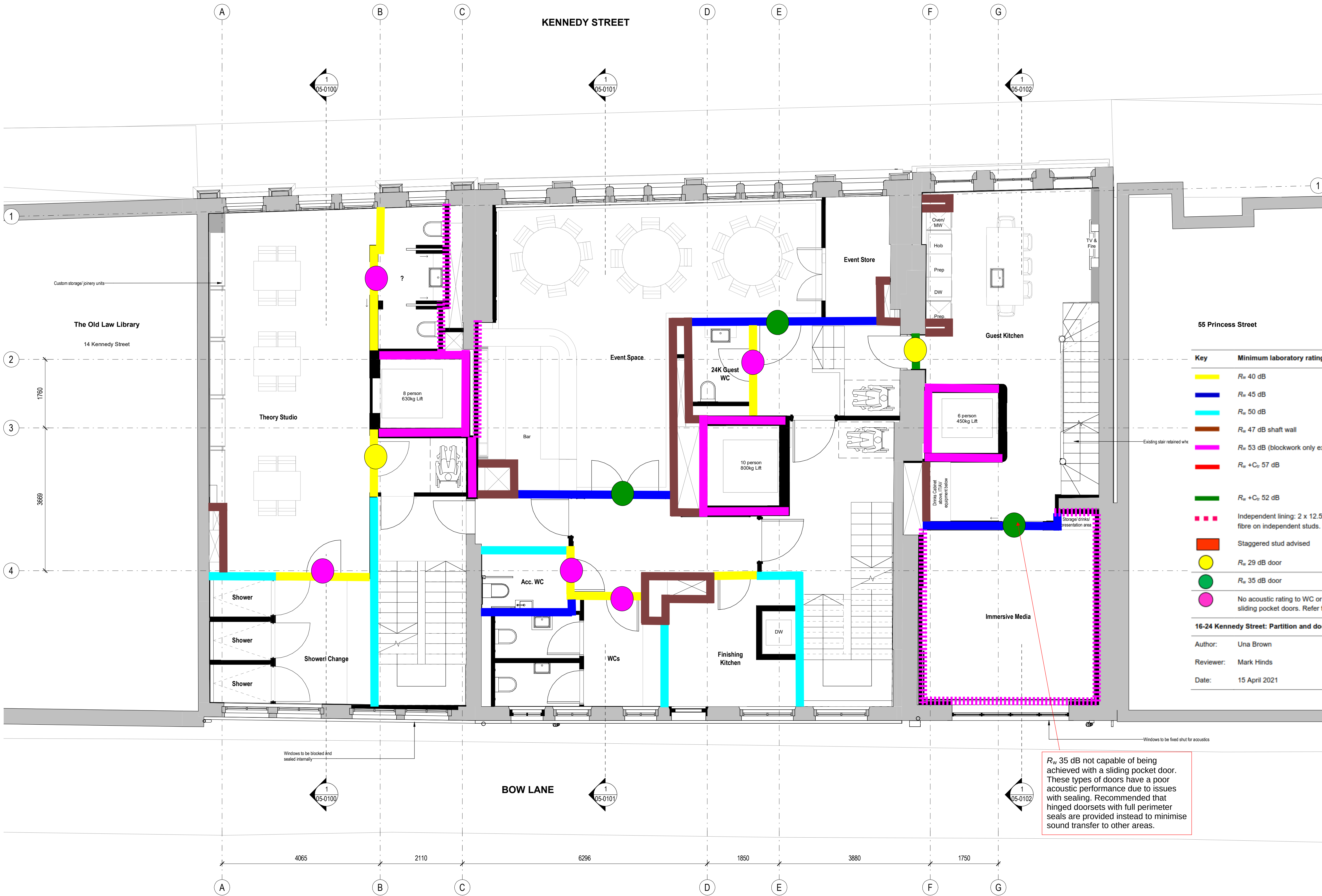
16-24 Kennedy Street: Partition and door sound insulation mark-ups

Author: Una Brown

Reviewer: Mark Hinds

Date: 15 April 2021

P01	Preliminary Issue	12.02.21	SH	DS
No.	Revision	Date	Initial	Chk'd
EPR Architects 30 Milbank, London SW1P 4DU +44(0)20 79327600 www.epr.co.uk				
Kennedy Street Properties Proposed - Ground Floor Plans				
Scale @ 1:50 Status Suitability Revision As indicated Work in Progress S2 - P01				
Project Code Originator Zone Level Type Rate Class Number 11175 - EPR - ZZ - GF - DR - A - 02-0101				



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Scale bar
0.5 0 0.5 1 1.5 2 2.5
SCALE 1:50 m

Existing Structure
Proposed Structure

55 Princess Street		
Key	Minimum laboratory rating	Minimum on-site performance
—	R_w 40 dB	-
—	R_w 45 dB	-
—	R_w 50 dB	-
—	R_w 47 dB shaft wall	-
—	R_w 53 dB (blockwork only excludes linings)	-
—	$R_w + C_w$ 57 dB	$D_{nt,w} + C_w$ 43 dB (minimum for ADE) $D_{nt,w} + C_w$ 48 dB (target)
—	$R_w + C_w$ 52 dB	$D_{nt,w} + C_w$ 43 dB (ADE room front)
- - -	Independent lining: 2 x 12.5 mm dense plasterboard (≥ 25 kg/m ²) with 25 mm mineral fibre on independent studs.	
—	Staggered stud advised	
●	R_w 29 dB door	
●	R_w 35 dB door	
●	No acoustic rating to WC or kitchen doors where they are undercut for ventilation or sliding pocket doors. Refer to main text in document.	
16-24 Kennedy Street: Partition and door sound insulation mark-ups		
Author:	Una Brown	
Reviewer:	Mark Hinds	
Date:	15 April 2021	

P01	Preliminary Issue	08.02.21	SH	DS
No.	Revision	Date	Initial	Chk'd
EPR Architects 30 Milbank, London SW1P 4DU +44(0)20 79327800 www.epr.co.uk				
Kennedy Street Properties Project No 11175				
Proposed - First Floor Plans				
Scale @	Status	Suitability	Revision	
1:50	Work in Progress	S2	P01	
Project Code	Originator	Zone	Level	Type
11175 - EPR - ZZ - 01 - DR - A - 02-0102				



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Scale bar
0.5 0 0.5 1 1.5 2 2.5
SCALE 1:50 m

Existing Structure
Proposed Structure

Key	Minimum laboratory rating	Minimum on-site performance
—	R_w 40 dB	-
—	R_w 45 dB	-
—	R_w 50 dB	-
—	R_w 47 dB shaft wall	-
—	R_w 53 dB (blockwork only excludes linings)	-
—	$R_w + C_w$ 57 dB	$D_{nT,w} + C_w$ 43 dB (minimum for ADE) $D_{nT,w} + C_w$ 48 dB (target)
—	$R_w + C_w$ 52 dB	$D_{nT,w} + C_w$ 43 dB (ADE room front)
- - -	Independent lining: 2 x 12.5 mm dense plasterboard (≥ 25 kg/m ²) with 25 mm mineral fibre on independent studs.	
—	Staggered stud advised	
●	R_w 29 dB door	
●	R_w 35 dB door	
●	No acoustic rating to WC or kitchen doors where they are undercut for ventilation or sliding pocket doors. Refer to main text in document.	

16-24 Kennedy Street: Partition and door sound insulation mark-ups

Author: Una Brown

Reviewer: Mark Hinds

Date: 15 April 2021

P01	Preliminary Issue	12.02.21	SH	DS
No.	Revision	Date	Initial	Chk'd
EPR Architects 30 Milbank, London SW1P 4DU +44(0)20 79327600 www.epr.co.uk				
Kennedy Street Properties Project No 11175				
Proposed - Second Floor Plans				
Scale @	Status	Suitability	Revision	
1	Work in Progress	S2	P01	
Project Code	Originator	Zone	Level	Type Rate Class Number
11175 - EPR - ZZ - 02 - DR - A - 02-0103				



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SCALE 1:50 m

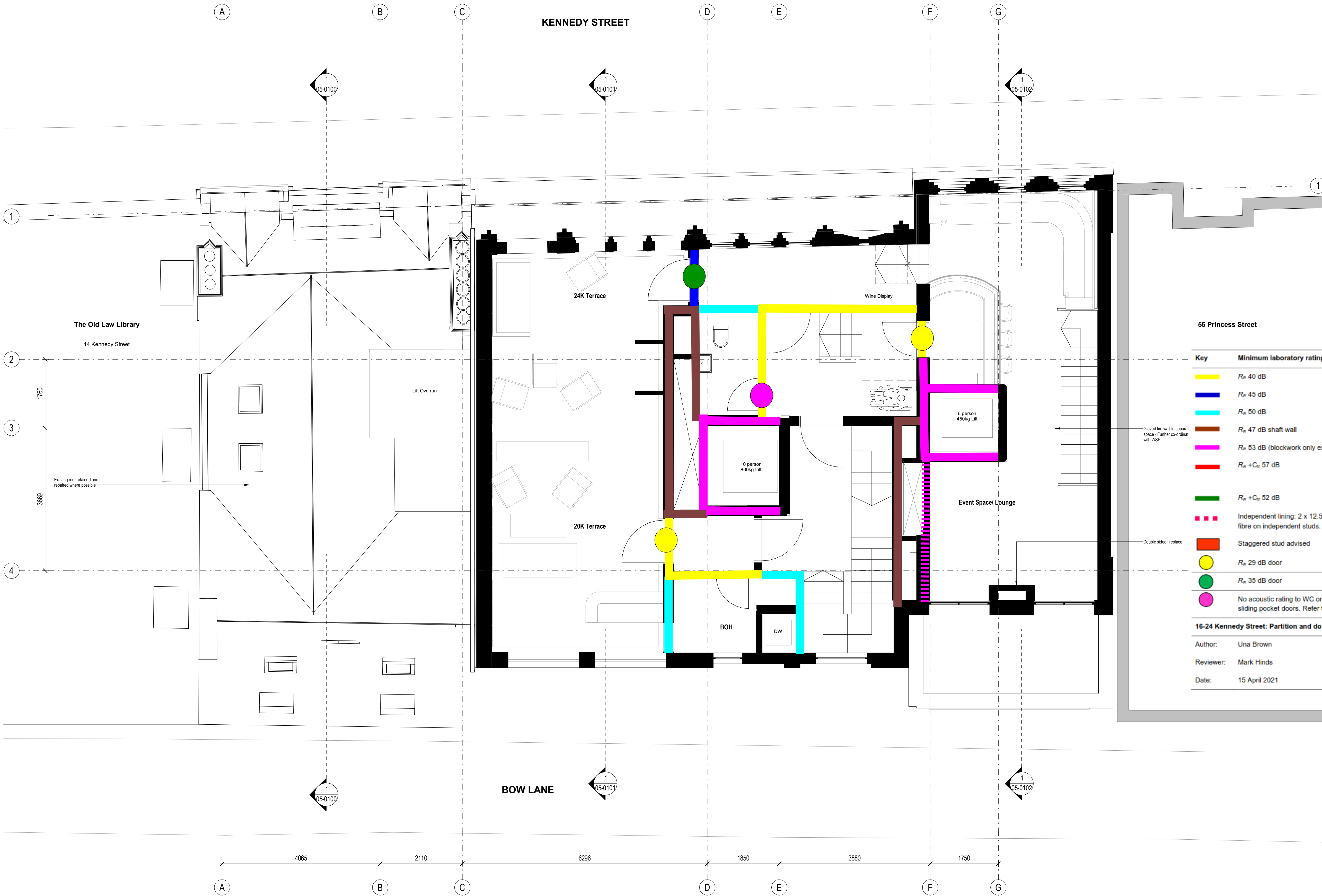
Existing Structure

Proposed Structure

55 Princess Street

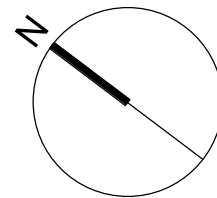
Key	Minimum laboratory rating	Minimum on-site performance
	R_w 40 dB	-
	R_w 45 dB	-
	R_w 50 dB	-
	R_w 47 dB shaft wall	-
	R_w 53 dB (blockwork only excludes linings)	-
	$R_w + C_{tr}$ 57 dB	$D_{nT,w} + C_{tr}$ 43 dB (minimum for ADE) $D_{nT,w} + C_{tr}$ 48 dB (target)
	$R_w + C_{tr}$ 52 dB	$D_{nT,w} + C_{tr}$ 43 dB (ADE room front)
	Independent lining: 2 x 12.5 mm dense plasterboard (≥ 25 kg/m ²) with 25 mm mineral fibre on independent studs.	
	Staggered stud advised	
	R_w 29 dB door	
	R_w 35 dB door	
	No acoustic rating to WC or kitchen doors where they are undercut for ventilation or sliding pocket doors. Refer to main text in document.	
16-24 Kennedy Street: Partition and door sound insulation mark-ups		
Author:	Una Brown	
Reviewer:	Mark Hinds	
Date:	15 April 2021	

P01	Preliminary Issue	12.02.21	SH	DS			
No.	Revision	Date	Initial	Chk'd			
EPR Architects 30 Milbank, London SW1P 4DU +44(0)20 79327600 www.epr.co.uk							
Kennedy Street Properties			EPR Project No 11175				
Proposed - Third Floor Plans							
Scale @A1	Status	Suitability	Revision				
1 : 50	For Information	S2	P01				
Project Code	Originator	Zone	Level	Type	Rate	Class	Number
11175 - EPR - ZZ - 03 - DR - A - 02-0104							

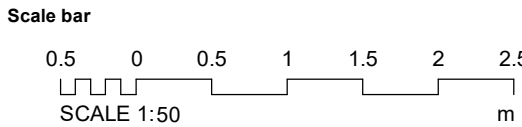


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- Existing Structure
- Proposed Structure

55 Princess Street

Key	Minimum laboratory rating	Minimum on-site performance
	R_w 40 dB	-
	R_w 45 dB	-
	R_w 50 dB	-
	R_w 47 dB shaft wall	-
	R_w 53 dB (blockwork only excludes linings)	-
	$R_w + C_v$ 57 dB	$D_{nT,w} + C_v$ 43 dB (minimum for ADE) $D_{nT,w} + C_v$ 48 dB (target)
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	Staggered stud advised	
	R_w 29 dB door	
	R_w 35 dB door	
	No acoustic rating to WC or kitchen doors where they are undercut for ventilation or sliding pocket doors. Refer to main text in document.	

16-24 Kennedy Street: Partition and door sound insulation mark-ups

Author: Una Brown
Reviewer: Mark Hinds
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P01	Preliminary Issue	12.02.21	SH	DS
No.	Revision	Date	Initial	Chk'd
EPR Architects 30 Milbank, London SW1P 4DU +44(0)20 79327600 www.epr.co.uk				
Kennedy Street Properties Proposed - Fourth Floor Plans Scale @ 1:50 Status: Work in Progress Suitability: S6 Revision: P01				
Project Code: 11175 - EPR - ZZ - 04 - DR - A - 02-0105				