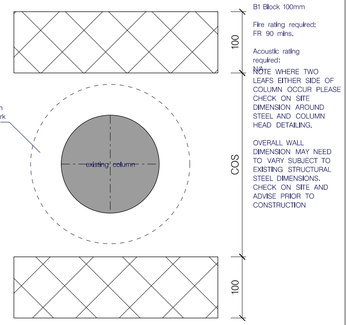
WALL TYPES – PLANS (BLOCKWORK)

FOR ALL BLOCKWORK WALLS – ALL CAVITY TIES, HEAD RESTRAINTS, WIND POSTS AND LINTELS TO BE CONFIRMED BY HWC STRUCTURAL ENGINEER

Type B1



B1 Block 100mm

Fire rating required: FR 90 mins.

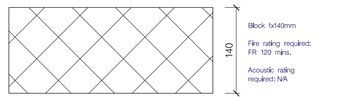
Acoustic rating required:

NOTE WHERE TWO LEAFS EITHER SIDE OF COLUMN OCCUR PLEASE CHECK ON SITE DIMENSION AROUND STEEL AND COLUMN HEAD DETAILING.

OVERALL WALL DIMENSION MAY NEED TO VARY SUBJECT TO EXISTING STRUCTURAL STEEL DIMENSIONS. CHECK ON SITE AND ADVISE PRIOR TO CONSTRUCTION

Allow 50mm clear zone for expansion of intumescent paint to existing steelwork (check base and head and any protruding steelwork detailing to maintain a continuous wall line)

Type B2

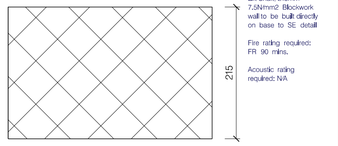


Block 1x140mm

Fire rating required: FR 120 mins.

Acoustic rating required: N/A

Type B3

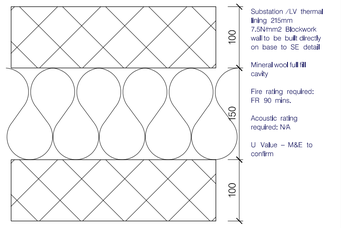


Lift Shaft. 215mm 7.5N/mm2 Blockwork wall to be built directly on base to SE detail

Fire rating required: FR 90 mins.

Acoustic rating required: N/A

Type B4



Substation /LV thermal lining 215mm 7.5N/mm2 Blockwork wall to be built directly on base to SE detail

Mineral wool full fill cavity

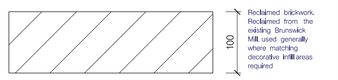
Fire rating required: FR 90 mins.

Acoustic rating required: N/A

U Value – M&E to confirm

WALL TYPES – PLANS (BRICKWORK)

Type R1



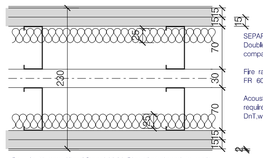
Reclaimed brickwork. Reclaimed from the existing Brunswick Mill used generally where matching decorative infill areas required

WALL TYPES – PLANS (DRYLINE PARTITIONS)

Type P1

Type P1_B

(2HR FR UPGRADE VARIANT)



SEPARATING WALL Double stud, compartment wall

Fire rating required: FR 60 mins. *

Acoustic rating required: 43 DnT,w+Ctr min

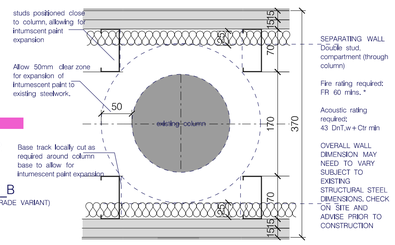
P1 – 2x 15 mm Knauf Soundshield Plus plasterboard to each side, twin (double) Knauf 70 'C' studs and 2x25mm Knauf Insulation Acoustic Roll

* P1_A – 2HR FR UPGRADE WALL 2x 15 mm Knauf Soundshield Plus plasterboard to each side, twin (double) Knauf 70 'C' studs and 2x25mm Knauf Insulation Acoustic Roll System braced at 1500mm vertical centres with Knauf Flat Plate.

Type P2

Type P2_B

(2HR FR UPGRADE VARIANT)



SEPARATING WALL Double stud, compartment (through column)

Fire rating required: FR 60 mins. *

Acoustic rating required: 43 DnT,w+Ctr min

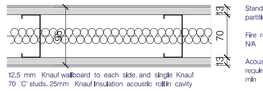
OVERALL WALL DIMENSION MAY NEED TO VARY SUBJECT TO EXISTING STRUCTURAL STEEL DIMENSIONS. CHECK ON SITE AND ADVISE PRIOR TO CONSTRUCTION

P2 – 2x 15 mm Knauf Soundshield Plus plasterboard to each side, 2x25mm Knauf Insulation Acoustic Roll and twin (double) Knauf 70 'C' studs separated by a cavity for existing columns

* P2 – 2x 15 mm Knauf Soundshield Plus plasterboard to each side, 2x25mm Knauf Insulation Acoustic Roll and twin (double) Knauf 70 'C' studs separated by a cavity for existing columns, System braced at 1500mm vertical centres with Knauf Flat Plate.

Type P3

Internal Wall



Standard single stud partition

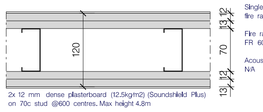
Fire rating required: N/A

Acoustic rating required: Rw 40dB min

12.5 mm Knauf wallboard to each side, and single Knauf 70 'C' studs. 25mm Knauf Insulation acoustic roll in cavity

Type P4

Cross core and corridor wall (incorp cross corridor diving doors)



Single stud double board fire rated

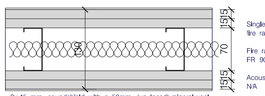
Fire rating required: FR 60mins min

Acoustic rating required: N/A

2x 12 mm dense plasterboard (12.5kg/m2) (Soundshield Plus) on 70c stud @600 centres. Max height 4.8m

Type P5

Riser wall



Single stud double board fire rated

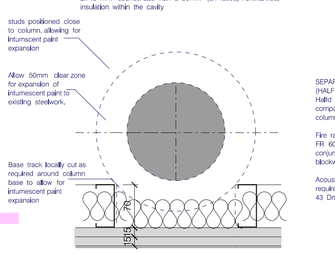
Fire rating required: FR 90mins min

Acoustic rating required: N/A

2x 15 mm soundshield with a 50mm (un-faced) mineral wool insulation within the cavity

Type P6

Party wall + at junction with blockwork



SEPARATING WALL (HALF WALL) Half of Double stud, compartment (through column)

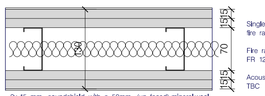
Fire rating required: FR 60 mins (in conjunction with blockwork wall).

Acoustic rating required: 43 DnT,w+Ctr min

2x 15 mm Knauf Fire panel, single layer of 50mm Knauf Rockwall RS80 Insulation and twin Knauf 70 'C' studs separated by a cavity

Type P7

Main stair core wall to door entrance



Single stud double board fire rated

Fire rating required: FR 120mins min

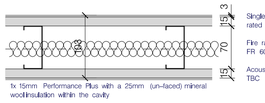
Acoustic rating required: TBC

KNAUF TO CONFIRM TYPE AND DETAIL VARIATION FROM P5

2x 15 mm soundshield with a 50mm (un-faced) mineral wool insulation within the cavity

Type P8

Cleaners Store



Single stud & board fire rated

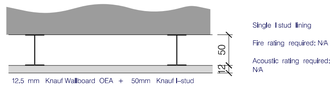
Fire rating required: FR 60mins min

Acoustic rating required: TBC

1x 15mm Performance Plus with a 25mm (un-faced) mineral wool insulation within the cavity

WALL TYPES – PLANS (DRYLINE LININGS)

Type L1



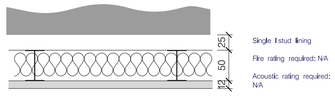
Single I-stud lining

Fire rating required: N/A

Acoustic rating required: N/A

12.5 mm Knauf Wallboard OEA + 50mm Knauf I-stud

Type L1A



Single I-stud lining

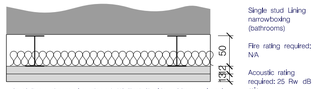
Fire rating required: N/A

Acoustic rating required: N/A

12.5 mm Knauf Soundshield OEA + Vapour control layer + 50mm Knauf I-stud + 35mm mineral wool + 25mm unventilated cavity. Studs @ 600cc

Type L2

SVP /Bathroom Lining



Single stud Lining narrowboxing (bathrooms)

Fire rating required: N/A

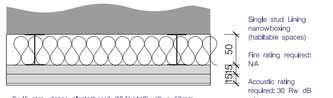
Acoustic rating required: 25 Rw dB min

2x 12.5mm dense plasterboard (12.5kg/m2) with a 25mm mineral wool insulation within the cavity

NOTE POTENTIAL TO REMOVE INSULATION FROM WITHIN WALL AND 25MM MINERAL WOOL LAGGING TO VERTICAL AND HORIZONTAL SVP PIPEWORK TO NON HABITABLE ROOMS. CONTRACTOR TO ADVISE PREFERENCE.

Type L3

SVP lining in habitable areas



Single stud Lining narrowboxing (habitable spaces)

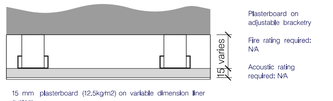
Fire rating required: N/A

Acoustic rating required: 30 Rw dB min

2x 15 mm dense plasterboard (12.5kg/m2) with a 50mm (un-faced) mineral wool insulation within the cavity

Type L4

Knauf liner system OEA



Plasterboard on adjustable bracketry

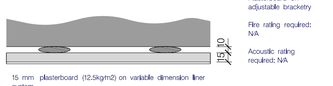
Fire rating required: N/A

Acoustic rating required: N/A

15 mm plasterboard (12.5kg/m2) on variable dimension liner system

Type L5

Dot and dab



Plasterboard on adjustable bracketry

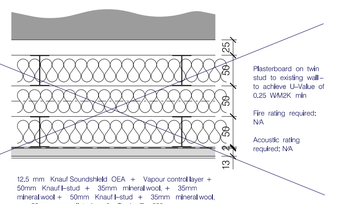
Fire rating required: N/A

Acoustic rating required: N/A

15 mm plasterboard (12.5kg/m2) on variable dimension liner system

Type L6

Thermal lining to external walls to enhance EPC rating



Plasterboard on twin stud to existing wall – to achieve U-Value of 0.25 WM2K min

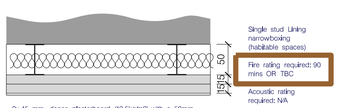
Fire rating required: N/A

Acoustic rating required: N/A

12.5 mm Knauf Soundshield OEA + Vapour control layer + 50mm Knauf I-stud + 35mm mineral wool + 35mm mineral wool + 50mm Knauf I-stud + 35mm mineral wool. + 25mm unventilated cavity. Studs @ 600cc

Type L7

SVP lining in habitable areas



Single stud Lining narrowboxing (habitable spaces)

Fire rating required: 90 mins OR TBC

Acoustic rating required: N/A

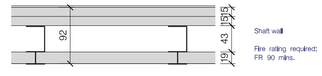
KNAUF /BRE TO CONFIRM SPEC

2x 15 mm dense plasterboard (12.5kg/m2) with a 50mm (un-faced) mineral wool insulation within the cavity

SPEC NOT ADOPTED alternative spec for consideration around column if L2 is not considered appropriate after BRE assessment KNAUF /BRE TO CONFIRM SPEC

WALL TYPES – PLANS (DRYLINE SHAFTWALL)

Type S1 ShaftWall



Shaft wall

Fire rating required: FR 90 mins.

2x 15mm Knauf Fire Panel (Lobby side), 1x 19mm Knauf Coreboard installed with Knauf 60 'CT' stud (Shaft side).

Type S2 ShaftWall



Shaft wall

Fire rating required: FR 120 mins.

3x 15mm Knauf Fire Panel (Lobby side), 1x 19mm Knauf Coreboard installed with Knauf 60 'CT' stud (Shaft side).

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DO NOT SCALE
Work to annotated dimensions only. Read drawing in conjunction with relevant specification, Structural Engineers' and Services Engineers' drawings. Confirm all dimensions before commencement of any work on site or fabrication.

INTERNAL WALLS
Issued for design intent. Detail design by specialist S/C.

Dry lining partitioning detailing to be in accordance with Knauf information or acceptable equivalent:

Refer to
- Knauf Project Information Pack -
- Set of Knauf Standard details - Brunswick Mill, Manchester

- Wind post designs to SE detail

- Lintels to SE detail and specification

- Refer to the SE Movement and Tolerance Report information from the structural engineer re head deflection information

FIRE PROTECTION
- REFER TO THE BRE THIRD PARTY REPORT REF: P131326-100 FOR ASSESSMENT OF NON STANDARD PROTECTION DETAILS

- Refer to AMPyro Fire Strategy Report
- Refer to Knauf specification for details

- Refer to and Acoustic Reports for acoustic details.

Blockwork specification by Structural Engineer

Final on site tested acoustic values may vary from the stated laboratory acoustically tested detail. All wall acoustic ratings to be accepted by acoustician.

Refer to drawings:
- 20 series for GA Plans. L(20)200 to L(20)207
- 20 series for Detail GA Plans. L(20)1001 to L(20)1073
- 20 Series for Fire Strategy Plans. L(20)230 to L(20)237
- 20 series for Wall Types GA Plans. L(20)250 to L(20)256
- 22 series for Typical internal wall details
- 22 series for Central party wall set out*

* CENTRAL PARTY WALL ACOUSTIC SEPARATION
Note acoustic strip proposed (OR SEPARATION GAP as accepted by Acoustician). Saw tooth air gap separation in new screed and under screed horizontal layer accepted on basis that existing substrate is not cut into.

PATTRESSING
18mm ply pattress where required.

Pattressing for bathroom and kitchen fittings - subject to subcontractor drawings of bathroom and kitchen layouts.

For typical bathrooms refer to drawing **L(74)001.** Note full height and width patressing proposed to section of wall behind shower. Vanity unit wall (not shown on typical wall type plans) to incorporate full height / width patressing.

Full height & width pattresses to each active side of the drylined riser walls.

Pattressing fixed within depth of stud with angle fixed to stud strictly to suppliers recommendation unless otherwise stated

HUMID AREAS
For any humid areas such as bathrooms use Knauf Moisture panel in lieu of Knauf wallboard, or Knauf performance plus in lieu of Knauf soundshield plus even when tiling such walls. (OEA)

C4 04.12.25	DRYLINE RESISSUE FOLLOWING BRE ASSESSMENT
C3 21.08.25	ISSUE FOR BRE /TEAM ASSESSMENT
C2 31.07.25	P5,6,7 L2,3, L7 FOLLOWING KNAUF /BRE WORKSHOP
C1 23.06.25	PRELIMINARY CONSTRUCTION ISSUE
P3 19.05.25	P4 FR RATING UPDATE. P7, 8 ADDED. BW ANNOTATION ADJUST. REF TO MR HUMID AREAS. P1–B, P2–B 2HR FR VARIANTS ADDED
P2 03.04.25	UPDATED TO REFLECT WALL TYPE DRAWINGS
P1 24.02.25	FIRST ISSUE

Drawing reissued following receipt of BRE third party fire assessment; Report number: P131326–1000, Fire Consultant and Knauf subcontractor commentary.

Any service penetrations through dry line boxing–in subject to Fire Consultant / BRE assessment and stage 5 M&E design.

revisions + notes:

client: ARROWSMITH BRUNSWICK SQUARE LTD.
date: JUNE 2025

project: BRUNSWICK MILL DEVELOPMENT PHASE 1
scale: 1:5 @ A3
drawn by: UL

title: Wall Types Sheet
drawing number: L(22)001

status: STAGE 5 – CONSTRUCTION
job number: 0586
revision: C4

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