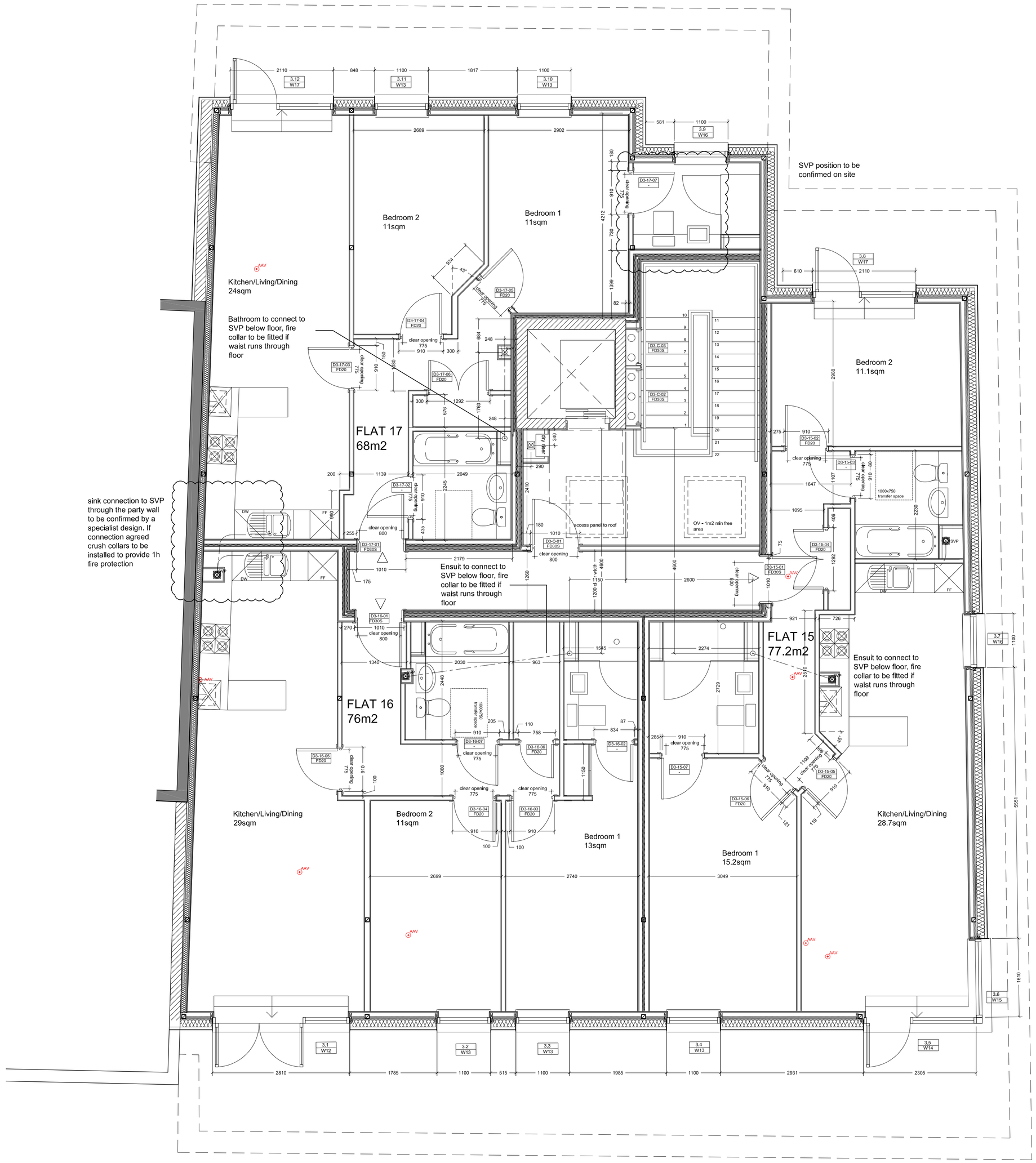

Wall types 3rd Floor

Type 5 - Internal partition, metal studs
Part B: 30mins fire protection / Part E: sound reduction 43dB

- 70mm Gypframe 'C' metal studs @ 600mm centres
- 25mm Isover mineral fibre batts (minimum density 10kg/m3), APR 1200
- 1x layer 15mm Gyproc Wallboard plasterboard min density 10kg/m3. All joints to be sealed.

Bathrooms:
- 70mm Gypframe metal studs @ 600mm centres
- 25mm Isover mineral fibre batts (minimum density 10kg/m3)
- 18mm marine ply between studs from 300 to 1800mm from flr as required for fixing sanitary wear
- 15mm Wedi board to bathroom side of wall in the shower

Partitions to give 30min fire protection.
30min fire brakes to service ducts passing through partitions.

OR: subject to British Gypsum confirmation that it will achieve compliance with BR Part E

Part B: 30mins fire protection / Part E: sound reduction 43dB

- 68x44mm timber studs @ 600mm centres
- 25mm Isover mineral fibre batts (minimum density 10kg/m3), APR 1200
- 1x layer 15mm Gyproc Wallboard plasterboard min density 10kg/m3. All joints to be sealed.

Bathrooms:
- 68x44m timber studs @ 600mm centres
- 25mm Isover mineral fibre batts (minimum density 10kg/m3)
- 18mm marine ply between studs from 300 to 1800mm from flr as required for fixing sanitary wear
- 15mm Wedi board to bathroom side of wall in the shower

Partitions to give 30min fire protection.
30min fire brakes to service ducts passing through partitions.

Type 7 - Internal partition.
Part B: 60mins fire protection (core area) from both sides

- 70mm Gypframe 'C' metal studs @ 600mm centres
- 2x layers 15mm Gyproc Wallboard plasterboard min density 10kg/m3. All joints to be sealed.

Note: resilient bar to be installed on one side.

Partitions to give 60min fire protection.
60min fire brakes to service ducts passing through partitions.

OR: subject to British Gypsum confirmation that it will achieve compliance with BR Part E

Part B: 60mins fire protection (core area) from both sides

- 68x38mm timber studs @ 600mm centres
- 2x layers 15mm Gyproc Wallboard plasterboard min density 10kg/m3. All joints to be sealed.

Note: resilient bar to be installed on one side.

Partitions to give 60min fire protection.
60min fire brakes to service ducts passing through partitions.

Type 9 - Separating metal stud party walls between residential units- GypWall Quite RWL, Part B - 60mins fire protection, Part E - minimum sound reduction 43dB, robust detail E-WS-2

- Two independent 60f70 T metal studs frameworks at 600mm centres
- 100mm Isover Acoustic Partition Roll (APR1200) in the cavity
- 2 layers of 15mm Gyproc SoundBloc fixed to the outside faces of Gypframe (with staggered joints); Intumescent/acoustic mastic seals to all junctions.

Note: Plasterboard boeing to sockets and switches within separating walls.

OR: subject to British Gypsum confirmation that it will achieve compliance with BR Part E

Part B - 60mins fire protection, Part E - minimum sound reduction 43dB, robust detail E-WS-2

- Two Independent 68x44mm timber studs frameworks at 600mm centres
- 100mm Isover Acoustic Partition Roll (APR1200) in the cavity
- 2 layers of 15mm Gyproc SoundBloc fixed to the outside faces of Gypframe (with staggered joints); Intumescent/acoustic mastic seals to all junctions.

Note: Plasterboard boeing to sockets and switches within separating walls.

Type 9 - Separating metal stud party walls between residential units- GypWall Quite RWL, Part B - 60mins fire protection, Part E - minimum sound reduction 43dB, robust detail E-WS-2

- Two Independent 60f70 T metal studs frameworks at 600mm centres
- 100mm Isover Acoustic Partition Roll (APR1200) in the cavity
- 2 layers of 15mm Gyproc SoundBloc fixed to the outside faces of Gypframe (with staggered joints); Intumescent/acoustic mastic seals to all junctions.

Note: Plasterboard boeing to sockets and switches within separating walls.

OR: subject to British Gypsum confirmation that it will achieve compliance with BR Part E

Part B - 60mins fire protection, Part E - minimum sound reduction 43dB, robust detail E-WS-2

- Two Independent 60f70 T metal studs frameworks at 600mm centres
- 100mm Isover Acoustic Partition Roll (APR1200) in the cavity
- 50mm Dritherm 32 between studs at common areas side
- 2 layers of 15mm Gyproc SoundBloc fixed to the outside faces of Gypframe (with staggered joints); Intumescent/acoustic mastic seals to all junctions.

Note: Plasterboard boeing to sockets and switches within separating walls.

Type 10 - Separating metal stud party walls between residential units and common areas - GypWall Quite RWL,
Part B - 60mins fire protection, Part E - minimum sound reduction 43dB, robust detail E-WS-2

- Two Independent 60f70 T metal studs frameworks at 600mm centres
- 100mm Isover Acoustic Partition Roll (APR1200) in the cavity
- 50mm Dritherm 32 between studs at common areas side
- 2 layers of 15mm Gyproc SoundBloc fixed to the outside faces of Gypframe (with staggered joints); Intumescent/acoustic mastic seals to all junctions.

Note: Plasterboard boeing to sockets and switches within separating walls.

OR: subject to British Gypsum confirmation that it will achieve compliance with BR Part E

Part B - 60mins fire protection, Part E - minimum sound reduction 43dB, robust detail E-WS-2

- Two Independent 60f70 T metal studs frameworks at 600mm centres
- 100mm Isover Acoustic Partition Roll (APR1200) in the cavity
- 50mm Dritherm 32 between studs at common areas side
- 2 layers of 15mm Gyproc SoundBloc fixed to the outside faces of Gypframe (with staggered joints); Intumescent/acoustic mastic seals to all junctions.

Note: Plasterboard boeing to sockets and switches within separating walls.

Type 11 - Wall between flats and lift core
- 215 blockwork
- **60f70mm metal stud with 50mm Isover insulation between studs**
- **20mm PIR insulation fixed to stud (conductivity 0.022W/mK**
- **2x15mm plasterboard**

OR: subject to British Gypsum confirmation that it will achieve compliance with BR Part E
- 215 blockwork
- **68x44mm timber stud with 50mm Isover insulation between studs**
- **20mm PIR insulation fixed to stud (conductivity 0.023W/mK**
- **2x15mm plasterboard**

Type 12 - Upgrading Existing Party Wall at 3rd floor level
- Existing masonry wall
- **25mmunventilated cavity**
- **100mm metal stud with 100mm Kingspan insulation (or similar)**
- **20mm PIR insulation fixed to stud**
- **12.5mm plasterboard**

OR:
- Existing masonry wall
- **25mmunventilated cavity**
- **100x50mm timber stud with 100mm Kingspan insulation (or similar)**
- **20mm PIR insulation fixed to stud (conductivity 0.020W/mK)**
- **12.5mm plasterboard**

Type 13 - Party Wall at 3rd floor level
- 215 blockwork
- **25mmunventilated cavity**
- **100mm metal stud with 100mm Kingspan insulation (or similar)**
- **20mm PIR insulation fixed to stud (conductivity 0.020W/mK)**
- **12.5mm plasterboard**

OR:
- 215 blockwork
- **25mmunventilated cavity**
- **100x50mm timber stud with 100mm Kingspan insulation (or similar)**
- **20mm PIR insulation fixed to stud (conductivity 0.020W/mK)**
- **12.5mm plasterboard**

Type 14 - New external wall - rainscreen cladding
- Outer screen - Trespa rainscreen cladding on a metal subframe with 150mm Kingspan Kooltherm K15. Breathable membrane to be provided to outer face of insulation - to be UV resistant - joints and penetrations to be taped and sealed to provide water tight layer.
- Inner Skin - 38x120mm timber studs as per structural engineer design. 50mm Isover APR insulation to void with vapour barrier to inner face and two layers of 15mm Gyproc Soundbloc. 20mm cement board to outer face, all joints tapped and sealed.

SVP
F.F.L
G.F.L
SVP, RWP to be boxed in with 2 sheets of 12.5mm Soundblloc & 50mm of Isover insulation between studs. Access panel to all SVPs at roding points. 60 minutes min fire protection crushing fire collar around all SVPs pipe work at penetrations through compartment floors. Roding points to be positioned 400mm above floor

AAV
AAV (3rd floor level) to be terminated in the flat bellow or redirected within the floor zone and vented - TBC by a specialist design

Note:
All dimensions to be checked on site before the commencement of the work.
If this drawing exceeds the quantities in any way the architects are to be informed before work is commenced.
Do not scale this drawing.
This drawing is copyright.

rev.	date	description
P5	19.04.2016	Revised to suit new str design, wall types revised
P4	23.01.2016	Blockwork shown on party wall - subject to Str Eng confirmation
P3	18.01.2016	Revised to suit survey 3rd floor wall types added
B1	02.09.2015	Dry riser added - issued to BC Stair revised per clients comments
P2	10.08.2015	Walls settling out added
B	29.07.2015	Issued for Building Regulations
P1	30.06.2015	LIFT AMENDED

PRELIMINARY

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date:	scale:	drawn:
June 2015	1:50 (1:100 @ A3)	ADS
client ref:	dwg. no:	rev:
NST-0295	1114	P5