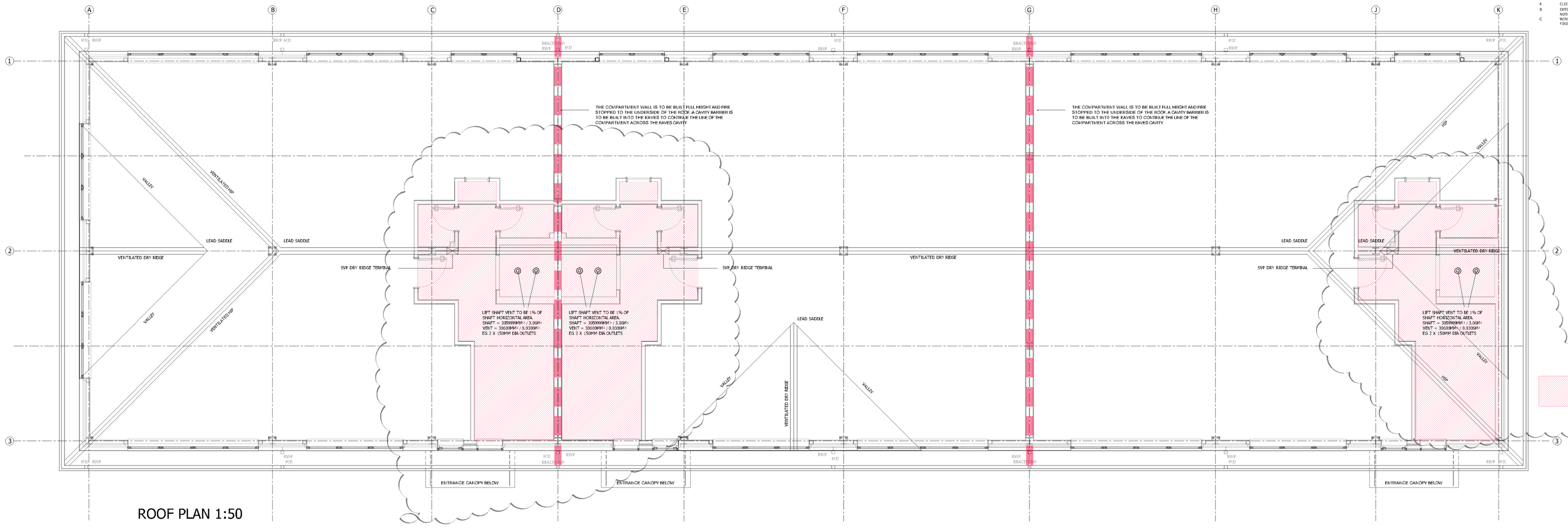
RIBA
Chartered Practice

DO NOT SCALE FROM THIS DRAWING EXCEPT FOR PLANNING PURPOSES O NLY.

ALL DIMENSIONS RELATING TO SUB-CONTRACTOR OR SUPPLIERS WORK MUST BE CHECKED ON SITE AND AGREED BETWEEN THE GENERAL CONTRACTOR & THE SUB-CONTRACTORS/ SUPPLIERS. ALL DIMENSIONS A RE IN MILLIMETRES. IF IN DOUBT ASK.

ALL WORKS OR MATERIALS INDICATED ON THE DRAWING ARE TO BE TO T HE LATEST BRITISH STANDARDS AND ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT CODES OF PRACTICES OR RECOGNIZEDTRADE ASSOCIATIONS RECOMMENDATIONS & PUBLICATIONS

REV.	AMENDMENT	BY	DATE
A	CLIENT SIGN OFF FLOOR PLAN ISSUE 30.08.16	SG	30.08.16
B	EXTERNAL WALL U VALUE AND INSULATION REVISED. INTER NAL BLOCK DENSITY ADDED. NOTES ADDED TO F IRST FLOOR PLAN	SG	20.09.16
C	WIND POSTS ADDED. SERVICES CUPBOARD DOOR REVISED. ENTRANCE CANOPY ADDED. FIRELINE BOARD ADDED.	SG	27.10.16



ROOF PLAN 1:50

ROOF CONSTRUCTION.

- TO ACHIEVE A MINIMUM THERMAL RESISTANCE OF 0.15W/M²K.
- ROOF PITCH: 30 DEGREES.
- 600X300MM CEMBRIT BLUN LTD WESTERLAND FIBRE CEMENT SLATES.
- COLOUR: BLUE/BLACK.
- DRY VENTILATED RIDGE AND HIPS.
- 25 X 38MM TREATED SW BATTENS TILING BATTENS.
  38X25MM TREATED SW COUNTERBATTENS. THE BATTEN ZONE IS TO BE VENTILATED. WHEN FITTING A CLOSE FITTING ROOF COVERING WHICH IS RELATIVELY AIRTIGHT SUCH AS FIBRE CEMENT SLATES THERE IS A RISK OF INTERSTICIAL CONDENSATION FORMING ON THE UNDERSIDE OF THE UNDERLAY AND EXTERNAL COVERING. TO AVOID THIS RISK THE BATTEN SPACE SHOULD BE VENTILATED IN ACCORDANCE WITH BS 5250:2011 USING COUNTERBATTENS.
- TYVEC SUPRO BREATHER MEMBRANE IS TO BE FIXED TAUGHT WITH STAPLES ACROSS THE ROOF TRUSSES BEFORE COUNTERBATTEN INSTALLATION. ALL IN ACCORDANCE WITH THE TYVEC SUPRO AGREEMENT CERTIFICATE.
- THE ROOF STRUCTURE WILL BE PORRETTARY ROOF TRUSSES DESIGNED AND INSTALLED BY A SPECIALIST SUPPLIER ONTO A STEEL STRUCTURE DETAILED BY THE STRUCTURAL ENGINEER.
- THE BATTEN ZONE IS TO BE VENTILATED. THE EAVES WILL INCORPORTAE AN OVER FASCIA VENT INCORPORATE A FLY SCREEN EQUIVALENT TO A CONTINUOUS 25MM FREE AREA. VENTILATED DRY RIDGE AND HIPS ARE TO PROVIDE THE EQUIVALENT OF A CONTINUOUS 10MM VENTILATION PATH.
- 100MM ROCKWOOL ROLL IS TO BE INSTALLED INTO WEEN THE ROOF TRUSSES AT CEILING LEVEL PLUS 170MM ROCKWOOL ROLL ABOVE LAID PERPENDICULAR. ENSURE THE FULL THICKNESS OF INSULATION IS MAINTAINED OVER ANY INTERNAL WALLS / OBSTRUCTIONS. ROOF INSULATION IS TO BE DRESSED INTO THE EAVES TO MAINTAIN CONTINUITY WITH THE WALL INSULATION AND CLOSE THE EXTERNAL WALL CAVITY.
- 1200 GUAGE POLYTHENE VAPOUR CONTROL LAYER FIXED TO THE UNDERSIDE OF THE ROOF TRUSSES WITH BATTENS. VCL TO BE APPROVED SEALED. VCL IS TO BE SEALED TO THE EXTERNAL WALL DRY LINING AND THE HEAD OF THE WINDOWS TO LIMIT AIR MIGRAT ION.
- THE UNDERSIDE OF THE TRUSSES INSIDE THE CORE IS ALSO TO HAVE 2 X 12.5MM LAYERS OF GYPSUM FIRELINE BOARD TO PROVIDE HALF HOUR FIRE RESISTANCE BETWEEN THE CORE AND THE ROOF SPACE.

SVP TERMINALS

- SVP'S ARE TO TERMINATE 900MM MINIMUM ABOVE ANY OPENING INTO THE BUILDING WITHIN 3 METRES

RIDGE AND HIP FITTINGS

- CONCRETE ANGULAR RIDGE AND HIP TILES DRY FIXED WITH REDLAND RAPID HIP AND RIDGE SYSTEM INSTALLED TO VENTILATE THE COUNTERBATTEN ZONE.

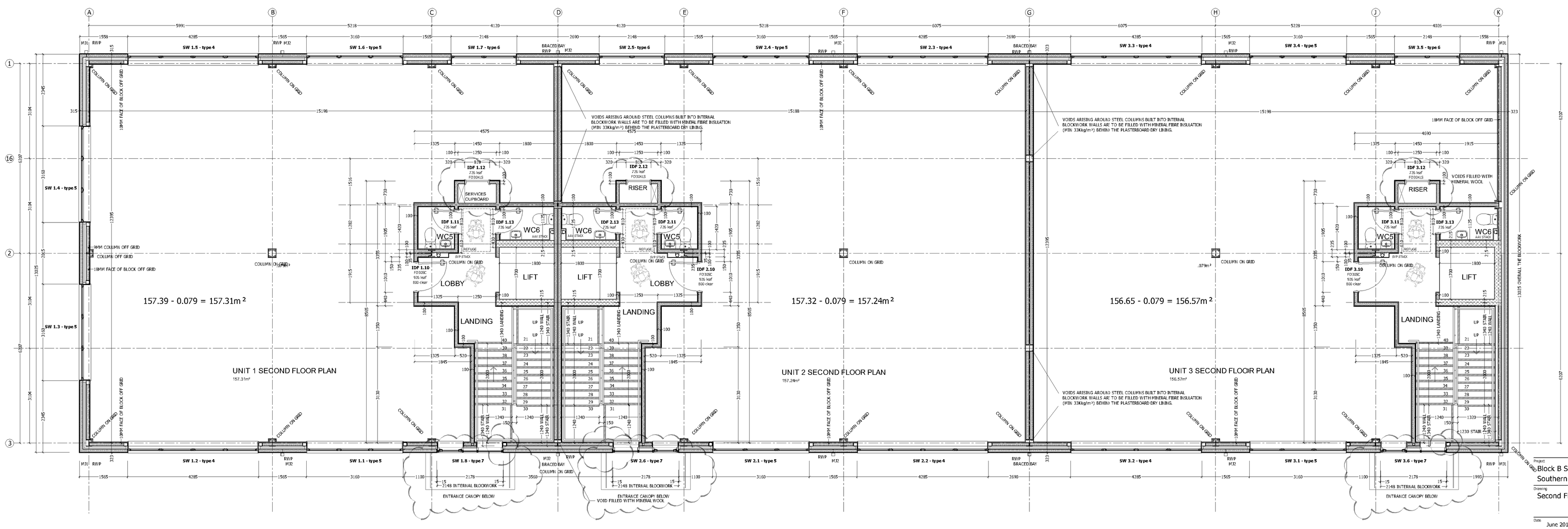
VALLEYS

- REDLAND DRY VALLEY OR SIMILAR AND APPROVED.

HALF HOUR FIRE SEPARATION OF CORES FROM ROOF VOID.

- 2 X 12.5MM LAYERS OF GYPSUM FIRELINE BOARD TO THE UNDERSIDE OF THE ROOF TRUSSES.

NOTE: THE ACOUSTICIAN HAS RECOMMENDED THAT 2 X 12.5MM LAYERS OF FIRELINE BOARD ARE TO BE INSTALLED TO THE UNDERSIDE OF THE ROOF TRUSSES ABOVE THE OFFICES TO ATTENUATE SOUND FROM OUTSIDE THE BUILDING. TO BE CONFIRMED BY OWN CONTRACTOR.



SECOND FLOOR PLAN 1:50

EXTERNAL WALLS TYPE 2 - SECOND FLOOR FROM WINDOW CILL HEIGHT TO EAVES

- DESIGNED TO ACHIEVE A U VALUE OF 0.24W/M²K.
- THROUGH COLOURED PROPRIETARY RENDER.
- 100MM EXTERNAL BLOCK SKIN - TARMAC TOPLITE STANDARD OR SIMILAR AND APPROVED.
- ALL MASONRY WORK TO COMPLY WITH BS 5628 PART 3: 1985 CODE OF PRACTICE FOR USE OF MASONRY
- THE MORTAR MIX IS TO BE IN ACCORDANCE WITH BS 5628 PART 1: 1978. MORTAR TO BE 1(0.5):4.25 BELOW GROUND TO DPC AND 1:1:6 ELSEWHERE.
- MOVEMENT JOINTS ARE TO BE PROVIDED IN THE BRICKWORK IN ACCORDANCE WITH THE BRICK MANUFACTURER OR STRUCTURAL ENGINEER'S RECOMMENDATIONS. NORMALLY AT 10 TO 12 METRE CENTRES MAXIMUM IN FACING BRICKWORK.
- 110MM CAVITY
- 50MM CELOTEX CD5000 PARTIAL FILL CAVITY INSULATION RETAINED WITH PROPRIETARY INSULATION CLIPS FITTED TO THE WALL TIES.
- 100MM INNER BLOCK SKIN WITH A MINIMUM THERMAL CONDUCTIVITY OF 0.10W/M/K. (TARMAC TOPLITE STANDARD HAVE BEEN USED FOR THE U VALUE CALCULATION. REFER TO THE STRUCTURAL ENGINEERS DETAILS FOR BLOCK DENSITY.
- INTERNAL DRY LINING OF 12.5MM PLASTERBOARD ON DABS WITH JOINTS TAPED. ALL TO BE SKIM FINISHED.

INTERNAL WALL CONSTRUCTION 1

- 100MM DENSE CONCRETE BLOCKWORK WITH A MINIMUM DENSITY OF 1800kg/m³.
- 12.5MM GYPROC WALLBOARD DRY LINING WITH JOINTS TAPED AND SKIMMED.

INTERNAL WALL CONSTRUCTION 2

- 215MM OAA LIGHT AGGREGATE BLOCKWORK EG HEMELITE 7 FORMED FROM 2 X 100MM BLOCK SKINS TIED TOGETHER - REFER TO THE STRUCTUAL ENGINEERS DETAILS.
- 12.5MM GYPROC WALLBOARD DRY LINING WITH JOINTS TAPED AND SKIMMED ON ONE SIDE OF THE WALL.

INTERNAL WALL CONSTRUCTION 3

- 225MM LIGHT AGGREGATE BLOCKWORK EG HEMELITE 7. 2 X 100MM DENSE CONCRETE BLOCK SKINS TIED TOGETHER WITH A 25MM CAVITY CONTAINING CROSS BRACING BLOCKWORK TO HAVE A MINIMUM DENSITY OF 1800kg/m ³.- REFER TO THE STRUCTURAL ENGINEERS DETAILS.
  12.5MM GYPROC WALLBOARD DRY LINING WITH JOINTS TAPED AND SKIMMED ON EITHER SIDE OF THE WALL.

INTERNAL WALL CONSTRUCTION:

- ALL JOINTS MUST BE FULLY FILLED.
- ALL TRAPEZOIDAL STRUCTURAL DECK PROFILES AT THE HEAD OF THE WALLS MUST BE FULLY FILLED WITH DENSE MINERAL FIBRE INSULATION (MIN 30kg/m ³) AND SEALED WITH FLEXIBLE SEALANT.
- VOIDS ARISING AROUND STEEL COLUMNS BUILT INTO INTERNAL BLOCKWORK WALLS ARE TO BE FILLED WITH MINERAL FIBRE INSULATION (MIN 30kg/m ³) BEHIND THE PLASTERBOARD DRY LINING. THIS INCLUDES THE COLUMNS BUILT INTO THE EXTERNAL WALL ON THE LINE OF THE INTERNAL PARTY WALLS.

Project: Block B Southern Gate
Southern Sidings Chichester

Drawing: Second Floor and Roof Plan

Date: June 2016		Drawn by: SG	
Scale: 1:50 / A0		Suitability: 3-Comment	
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