

NOTES

- The contractor is responsible for checking dimensions, tolerances and references. Any discrepancy to be verified with the Architect before proceeding with the works.
- Where an item is covered by drawings to different scales the larger scale drawing is to be worked to.
- Do not scale drawing. Figured dimensions to be worked to in all cases.

The structural / civil engineering and other non-architectural information shown on this drawing is purely for co-ordination purposes only and in no way does it take on any responsibility or liability for M&E Ltd. For all detailed information relating to these items see the relevant consultants drawings and full design information.

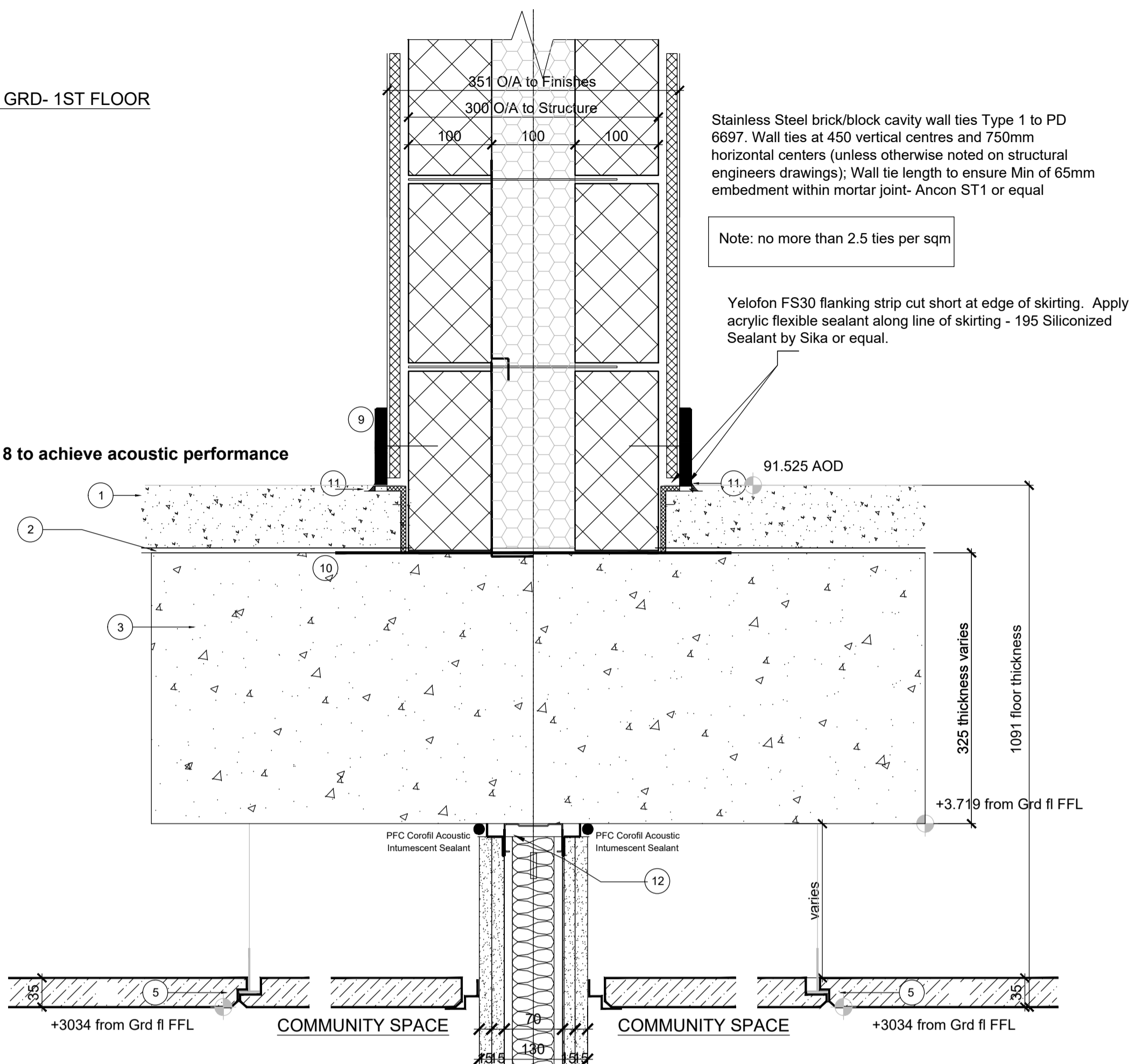
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CDM Regulations 2015

**INTERNAL SEPARATING UPPER FLOOR GRD- 1ST FLOOR
60 MIN FIRE RESISTANCE**

- 1 - 65mm min finishing screed topping. Screed to take into account camber of floor planks with under floor heating system pipes within screed to specialists details.
- 2 - 6mm Iso-rubber code layer (resilient layer) TBC, with IsoEdge flanking strip
- 3 - 250mm RC slab to SE details- min 2400kg/m3 density (without screed)
- 4 - optional - 25mm min absorbent Ceiling quilt in 150mm void (can reduce to 100mm if 200mm planks used)
- 5 - 12.5mm plasterboard ceiling min 8kg/m2 gypsum based board and a suspended ceiling system, eg Gyproc MF system.
- 6 - 75mm thick floor insulation type tbc, to under screed for under floor heating system in screed.
- 7 - 500g Separating layer between insulation and screed as insulation manufacturers requirements.
- 8 - 3.8mm thick wall cap membrane with Monarfloor wall cap clips
- 9 - 10mm Bridgestop Quilt with Bridgestop tie
- 10 - 3mm Bridgestop High Performance Membrane
- 11 - 195 Siliconized sealant by Sika or equal

Floor type based on Robust detail E-FC-18 to achieve acoustic performance
AD Part E = 5Db improvement

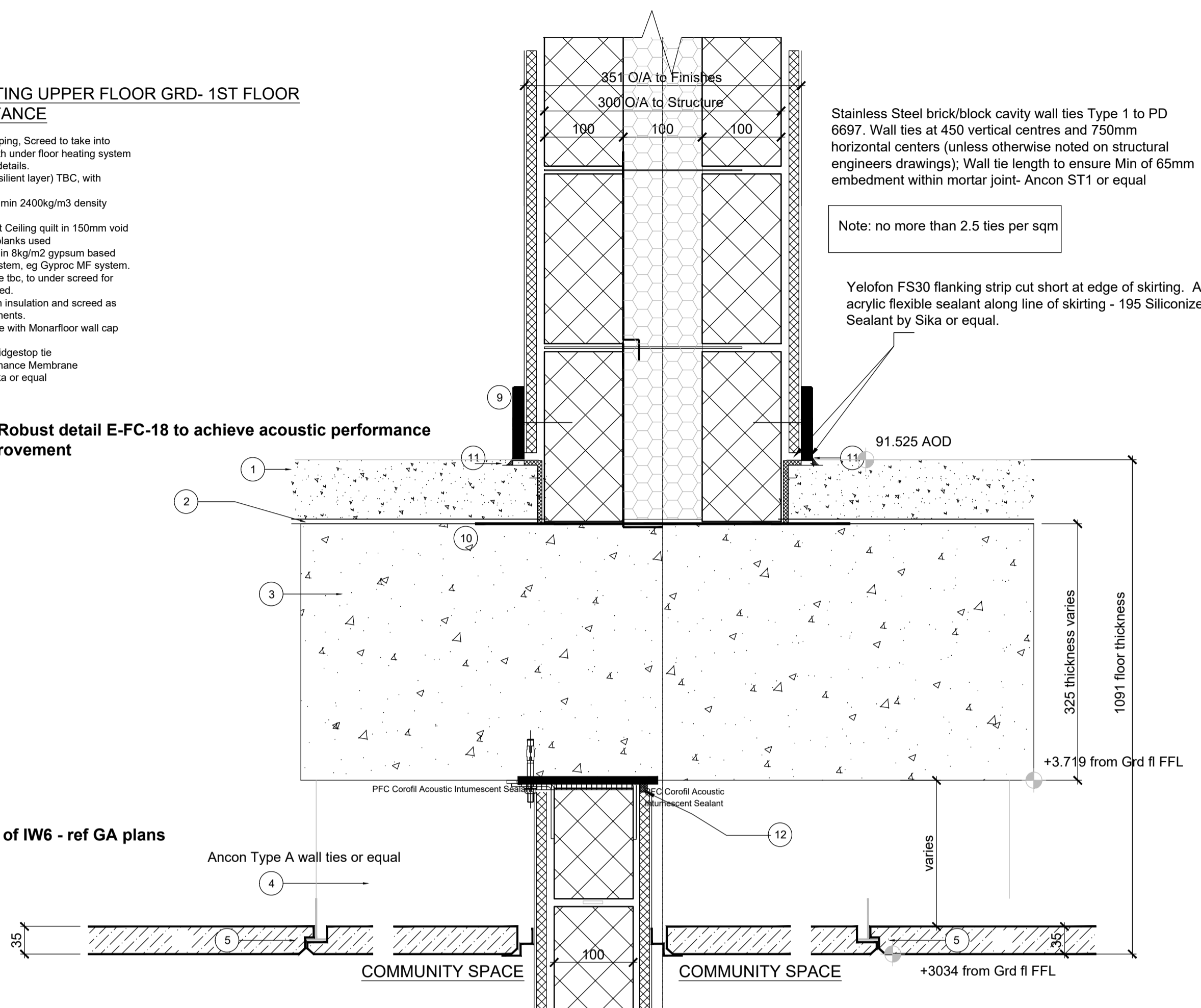


For locations of PW3 - ref GA plans

**INTERNAL SEPARATING UPPER FLOOR GRD- 1ST FLOOR
60 MIN FIRE RESISTANCE**

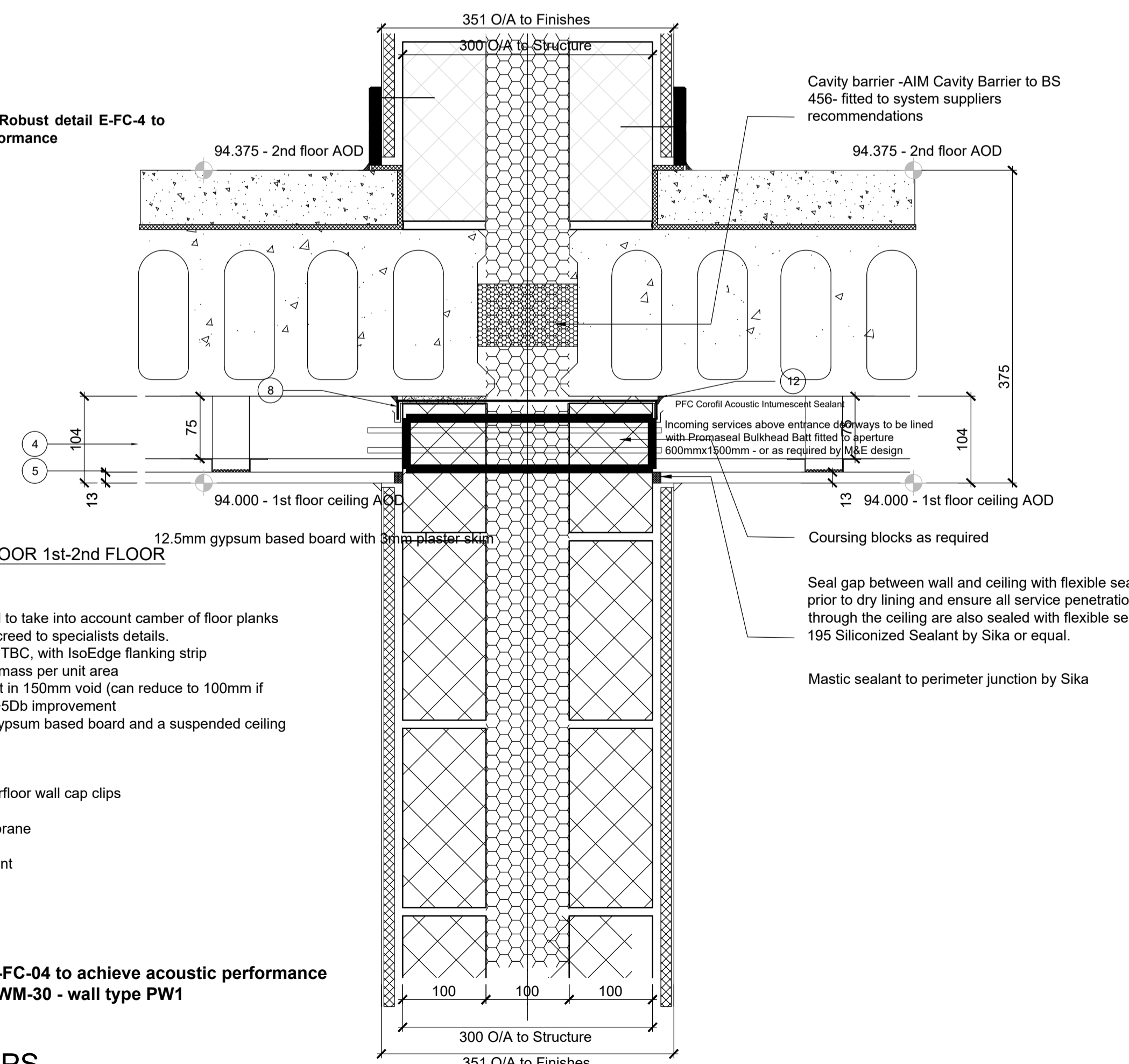
- 1 - 65mm min finishing screed topping. Screed to take into account camber of floor planks with under floor heating system pipes within screed to specialists details.
- 2 - 6mm Iso-rubber code layer (resilient layer) TBC, with IsoEdge flanking strip
- 3 - 250mm RC slab to SE details- min 2400kg/m3 density (without screed)
- 4 - optional - 25mm min absorbent Ceiling quilt in 150mm void (can reduce to 100mm if 200mm planks used)
- 5 - 12.5mm plasterboard ceiling min 8kg/m2 gypsum based board and a suspended ceiling system, eg Gyproc MF system.
- 6 - 75mm thick floor insulation type tbc, to under screed for under floor heating system in screed.
- 7 - 500g Separating layer between insulation and screed as insulation manufacturers requirements.
- 8 - 3.8mm thick wall cap membrane with Monarfloor wall cap clips
- 9 - 10mm Bridgestop Quilt with Bridgestop tie
- 10 - 3mm Bridgestop High Performance Membrane
- 11 - 195 Siliconized sealant by Sika or equal

Floor type based on Robust detail E-FC-18 to achieve acoustic performance
AD Part E = 5Db improvement



For locations of IW6 - ref GA plans

**02 FLOOR BUILDUPS
GROUND FLOOR TRANSFER SLAB - PW3 DEFLECTION HEAD**



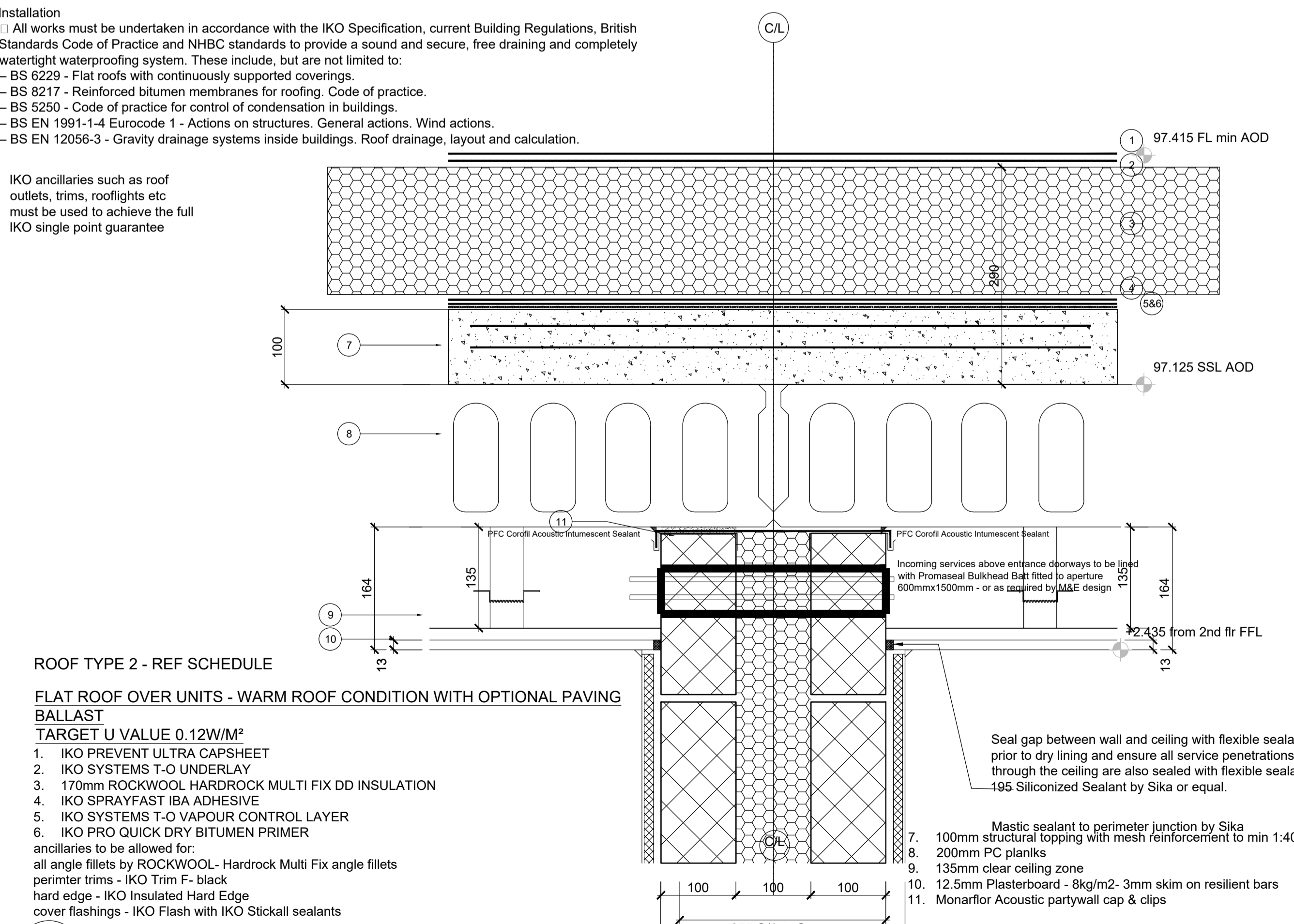
**INTERNAL SEPARATING UPPER FLOOR 1st-2nd FLOOR
60 MIN FIRE RESISTANCE**

- 1 - 65mm min finishing screed topping. Screed to take into account camber of floor planks with under floor heating system pipes within screed to specialists details.
 - 2 - 6mm Iso-rubber code layer (resilient layer) TBC, with IsoEdge flanking strip
 - 3 - 200mm precast plank - min 300kg/m2 min mass per unit area
 - 4 - optional - 25mm min absorbent Ceiling quilt in 150mm void (can reduce to 100mm if 200mm planks used - required for AD Part E +5Db improvement)
 - 5 - 12.5mm plasterboard ceiling min 8kg/m2 gypsum based board and a suspended ceiling system, eg Gyproc MF system.
- 8 - 3.8mm thick wall cap membrane with Monarfloor wall cap clips
 - 9 - 10mm Bridgestop Quilt with Bridgestop tie
 - 10 - 3mm Bridgestop High Performance Membrane
 - 11 - 195 Siliconized sealant by Sika or equal
 - 12 - PFC - Corofil acoustic intumescent sealant

Floor type based on Robust detail E-FC-04 to achieve acoustic performance
Wall type based on Robust detail E-WM-30 - wall type PW1

**01 FLOOR BUILDUPS
SECOND FLOOR PC PLANK**

**03 FLOOR BUILDUPS
GROUND FLOOR TRANSFER SLAB-IW6 DEFLECTION HEAD**



- Installation
- All works must be undertaken in accordance with the IKO Specification, current Building Regulations, British Standards Code of Practice and NHBC standards to provide a sound and secure, free draining and completely watertight waterproofing system. These include, but are not limited to:
 - BS 6229 - Flat roofs with continuously supported coverings.
 - BS 8217 - Reinforced bitumen membranes for roofing. Code of practice.
 - BS 5250 - Code of practice for control of condensation in buildings.
 - BS EN 1991-1-4 Eurocode 1 - Actions on structures. General actions. Wind actions.
 - BS EN 12056-3 - Gravity drainage systems inside buildings. Roof drainage, layout and calculation.

IKO ancillaries such as roof outlets, trims, rooflights etc must be used to achieve the full IKO single point guarantee

**ROOF TYPE 2 - REF SCHEDULE
FLAT ROOF OVER UNITS - WARM ROOF CONDITION WITH OPTIONAL BALLAST**

- TARGET U VALUE 0.12W/M²
1. IKO PREVENT ULTRA CAPSHEET
 2. IKO SYSTEMS T-O UNDERLAY
 3. 170mm ROCKWOOL HARDROCK MULTI FIX DD INSULATION
 4. IKO SPRAYFAST IBA ADHESIVE
 5. IKO SYSTEMS T-O VAPOUR CONTROL LAYER
 6. IKO PRO QUICK DRY BITUMEN PRIMER
- ancillaries to be allowed for:
all angle fillers by ROCKWOOL- Hardrock Multi Fix angle fillers
perimeter trims - IKO Trim F- black
hard edge - IKO Insulated Hard Edge
cover flashings - IKO Flash with IKO Stickall sealants

**04 ROOF BUILDUPS
WARM FLAT ROOF OVER UNITS**

REV:	DESCRIPTION:	BY:	DATE:
STATUS: Contractor/Tender set			
CLIENT: Taylor French Taylor French Barns Shipston Winslow - MK18 3JL			
ARCHITECT: Mark Bell Architects Ltd The Broad, Little Street Sulgrave, Oxfordshire OX17 2SG Tel 07788251765 W-markbellarchitects.com			
SITE: ELMSBROOK NEIGHBOURHOOD CENTRE, NW BICESTER			
TITLE: SUPERSTRUCTURE DETAILS - sheet 16			
SCALE AT A1:	DATE:	DRAWN:	CHECKED:
1:5/1:10	08/04/20	MDB	MB
PROJECT NO:	DRAWING NO:	REVISION:	
AA048	AA048/6.1/016	C1	