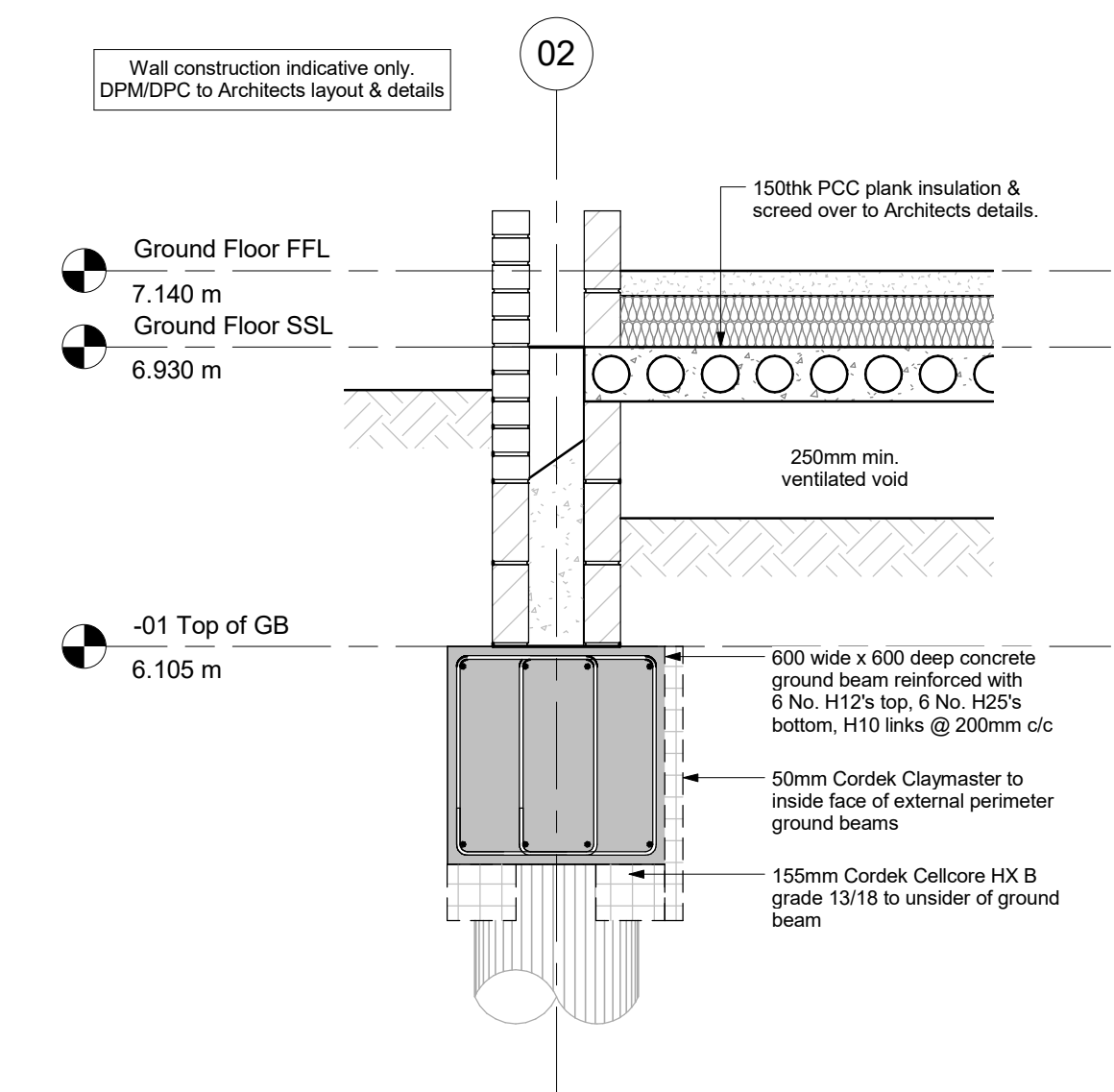
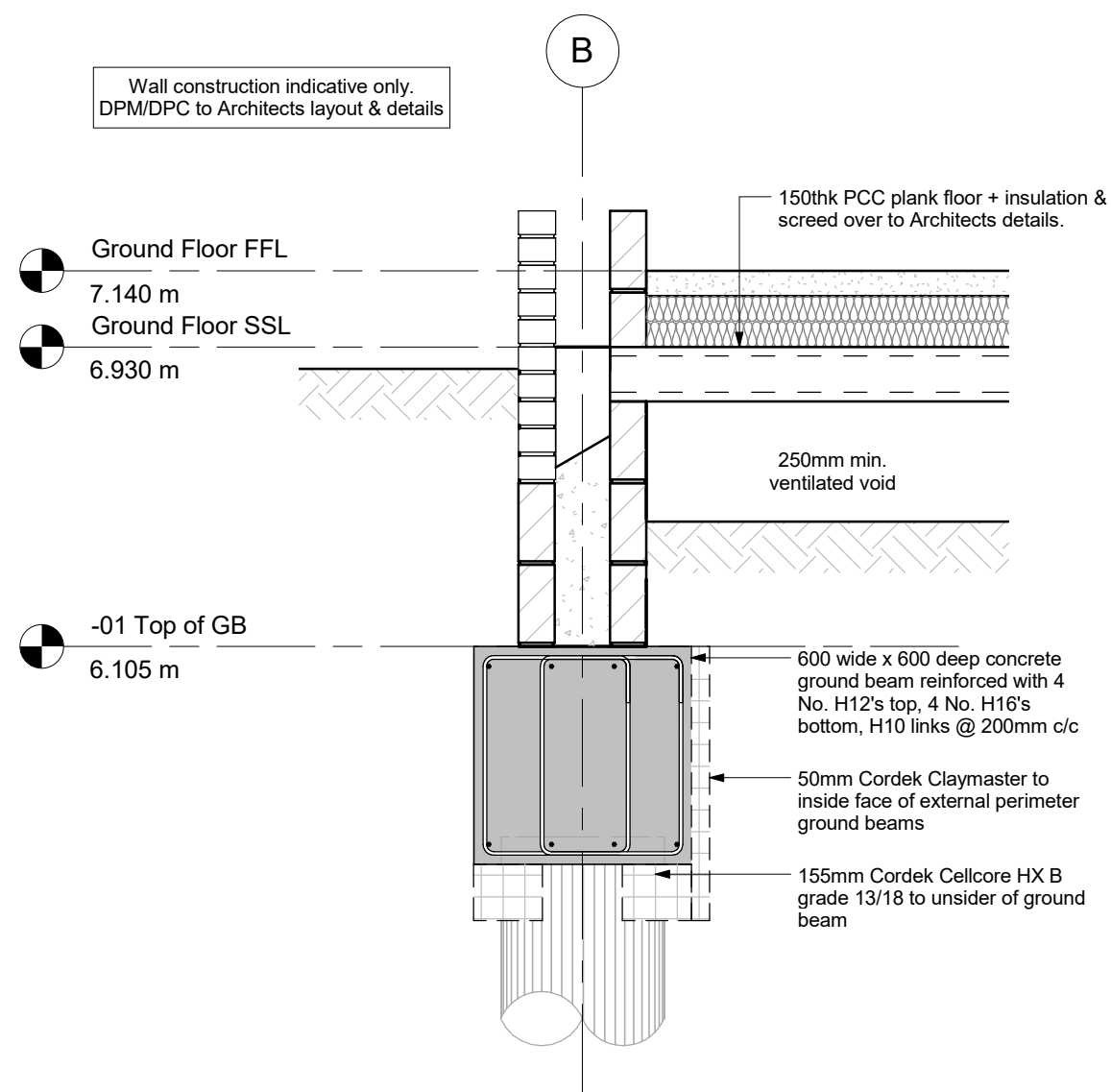




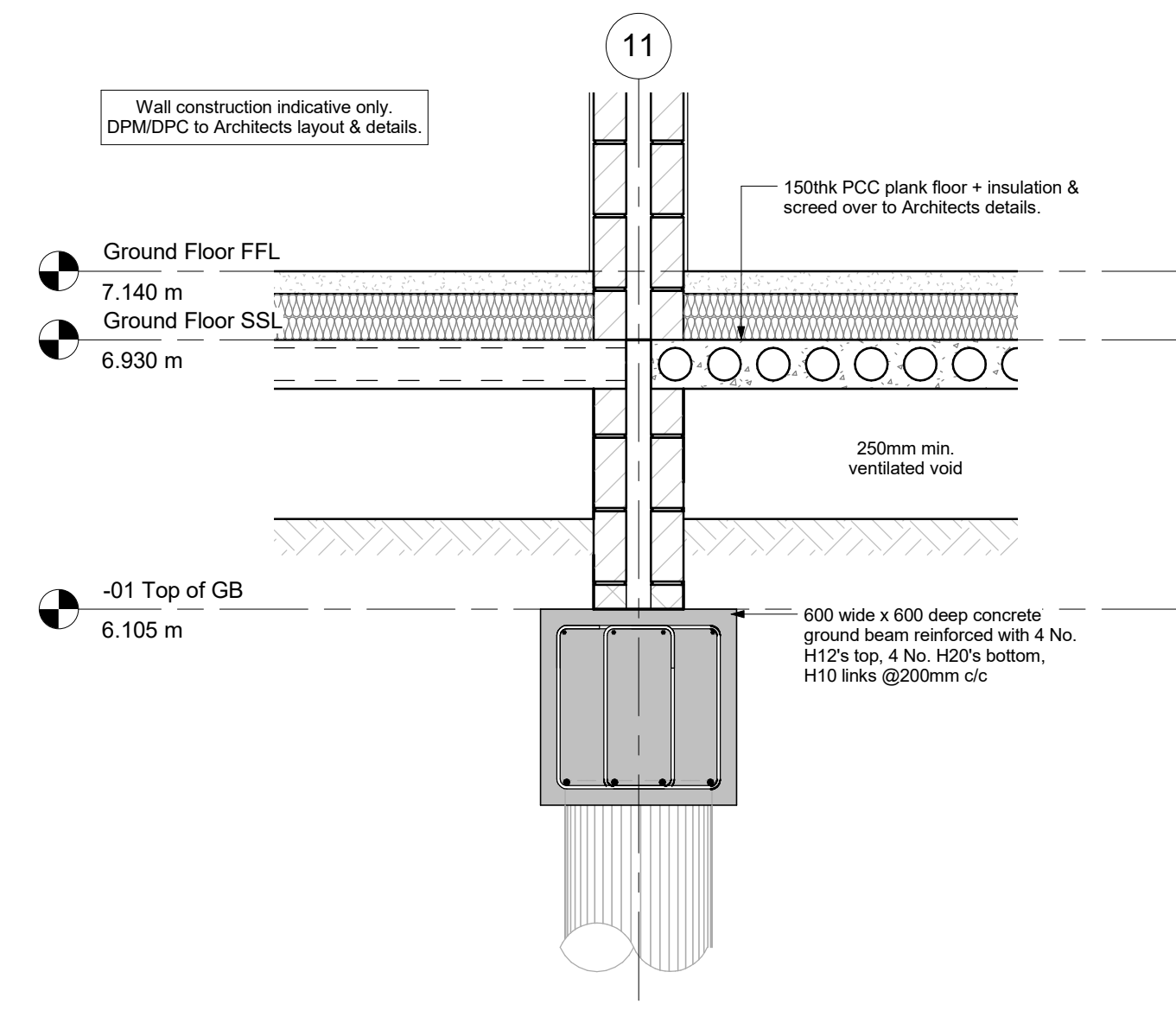
1 Typical Perimeter Section (Perp. to PCC Floor)

1 : 20



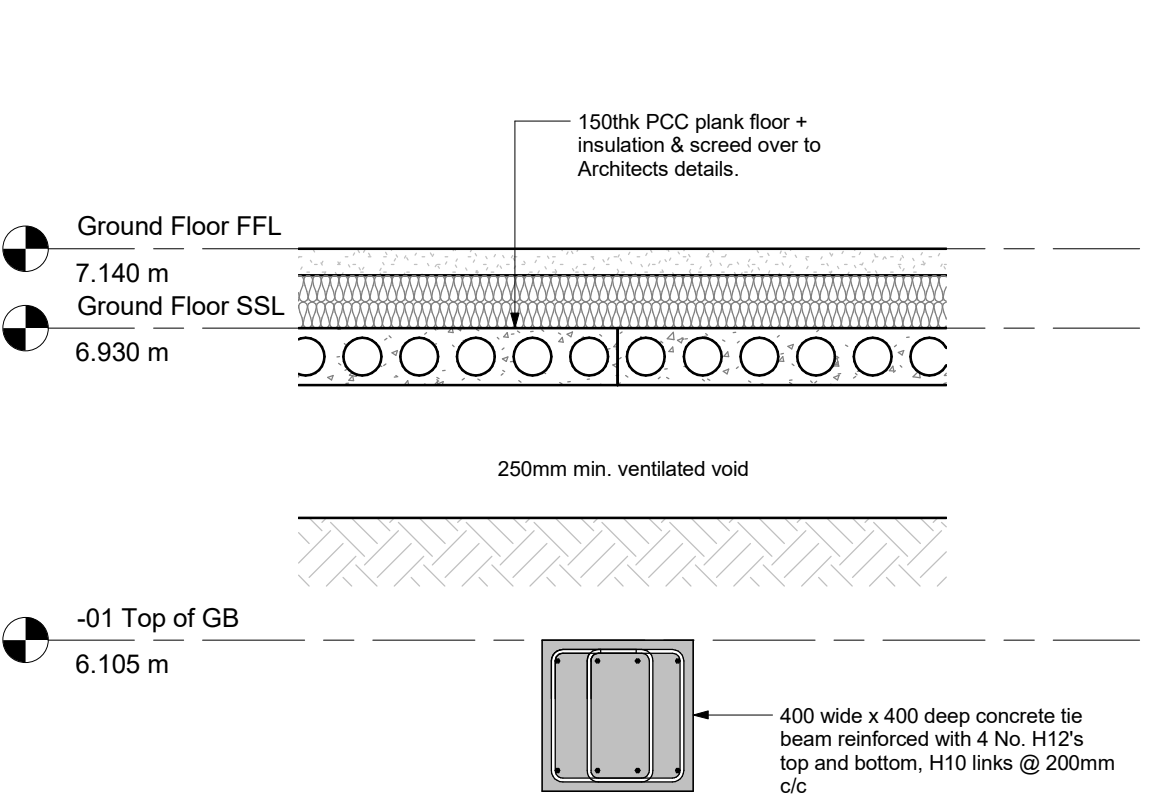
2 Typical Perimeter Section (Parallel to PCC Floor)

1 : 20



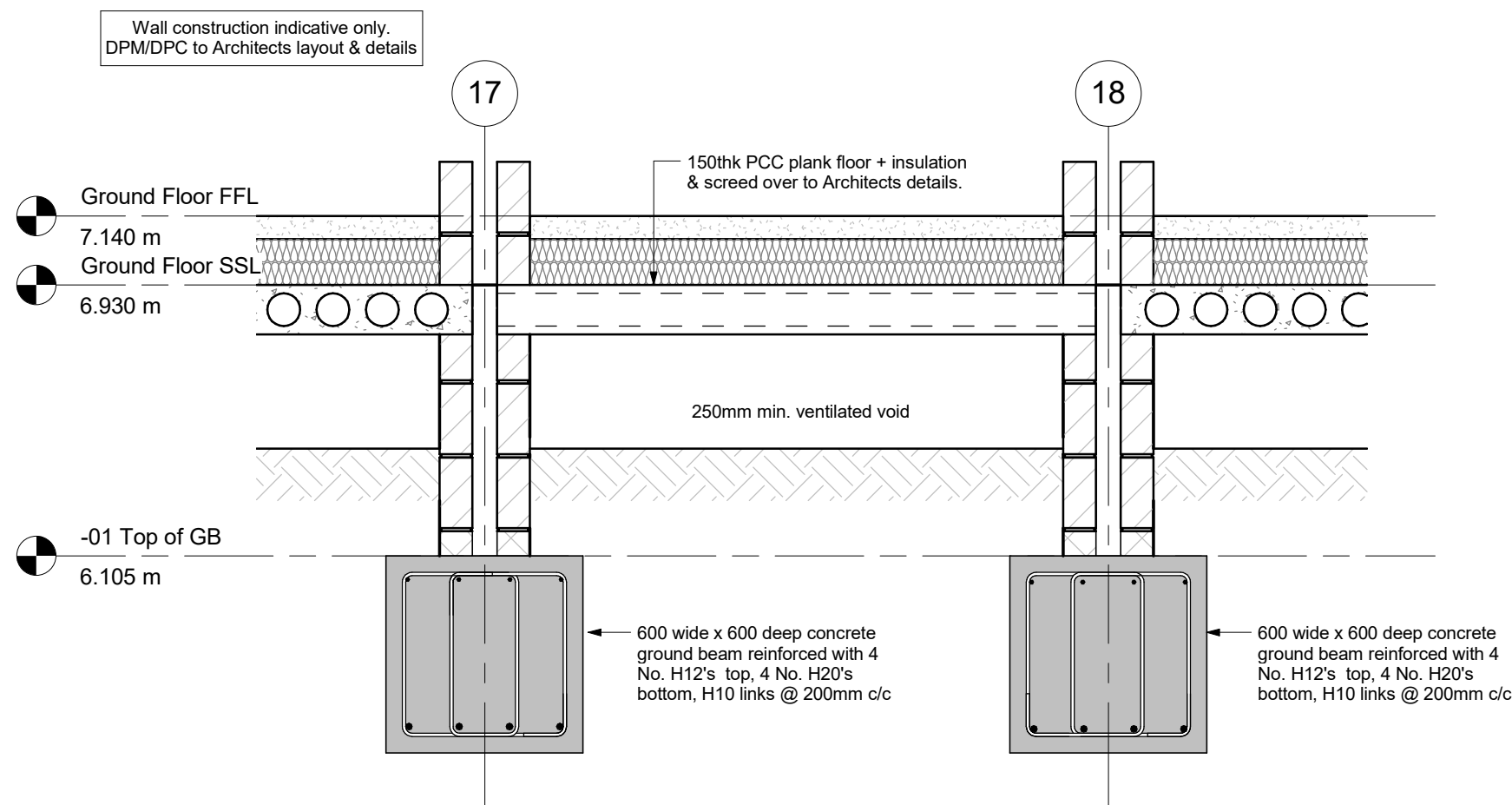
3 Typical Internal Section (wall above)

1 : 20



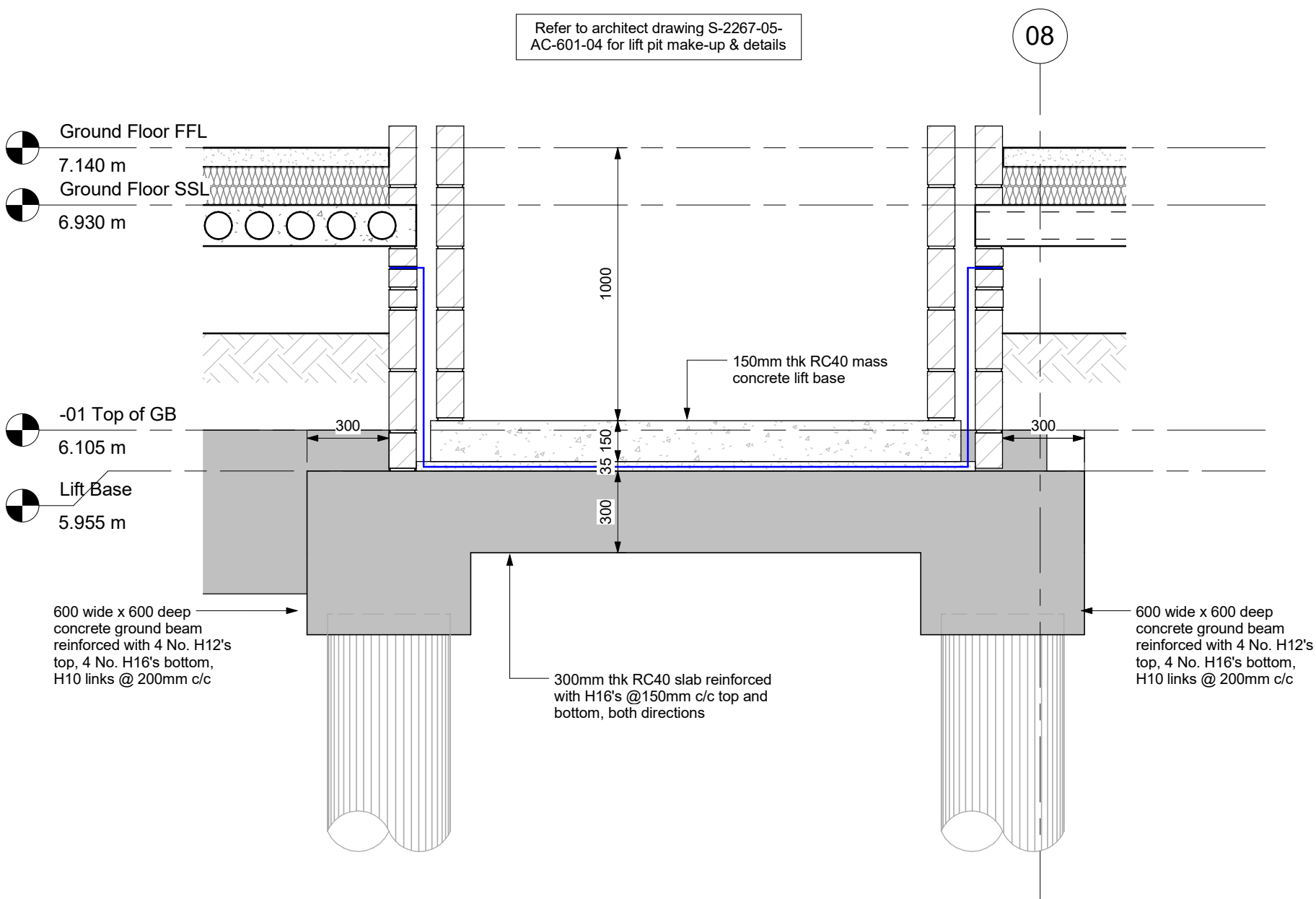
4 Typical Internal Section (Tie Beam)

1 : 20



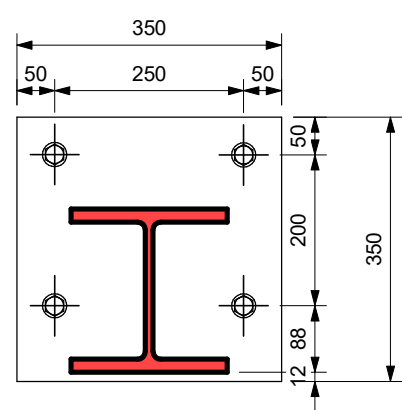
5 Typical Section through Corridor

1 : 20



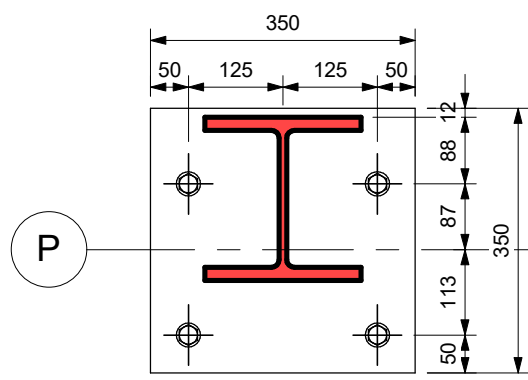
6 Section through Lift Pit

1 : 20



9 BP3

1 : 10



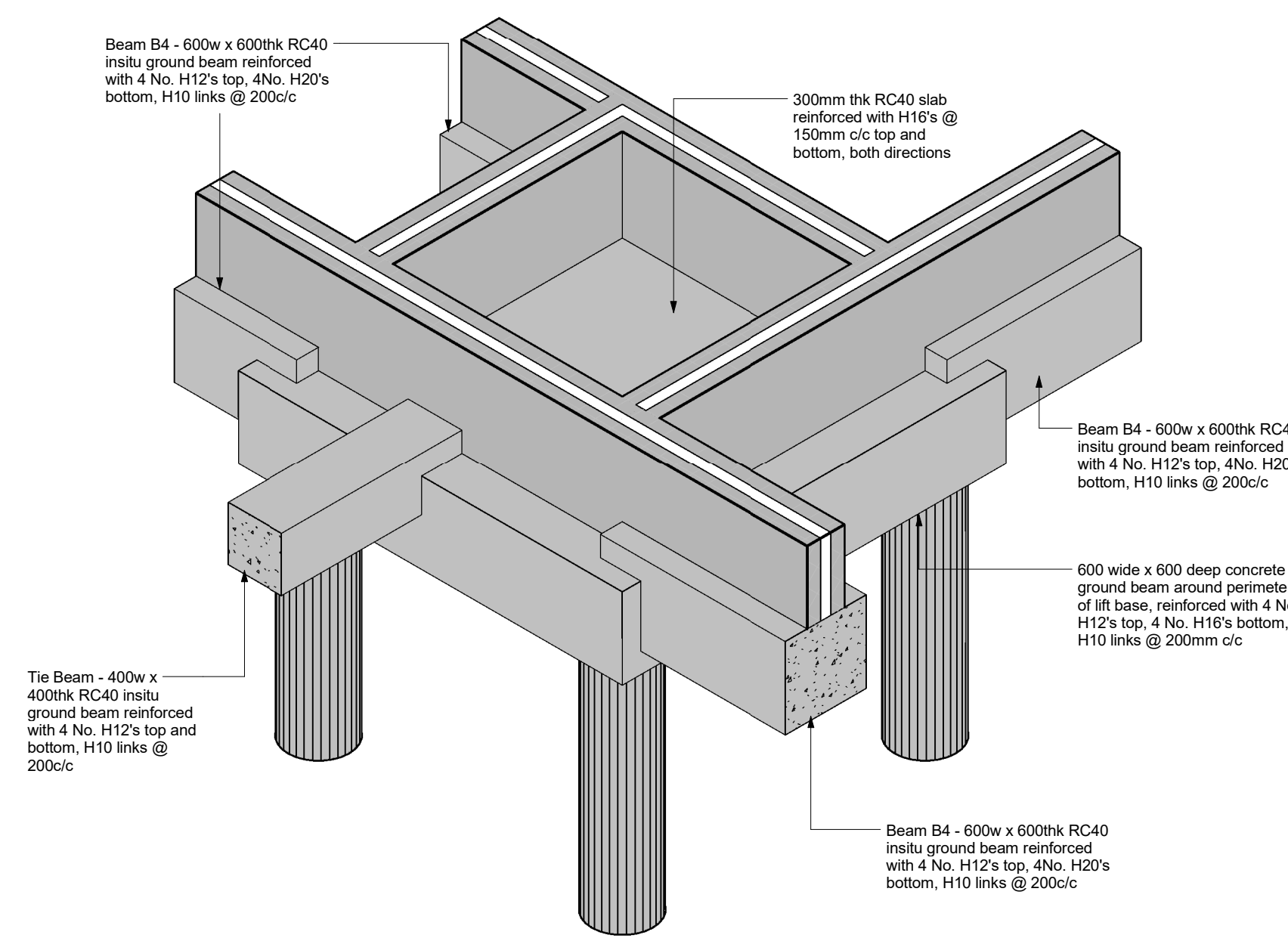
10 BP4

1 : 10

DETAILS FOR ALL BASE PLATES

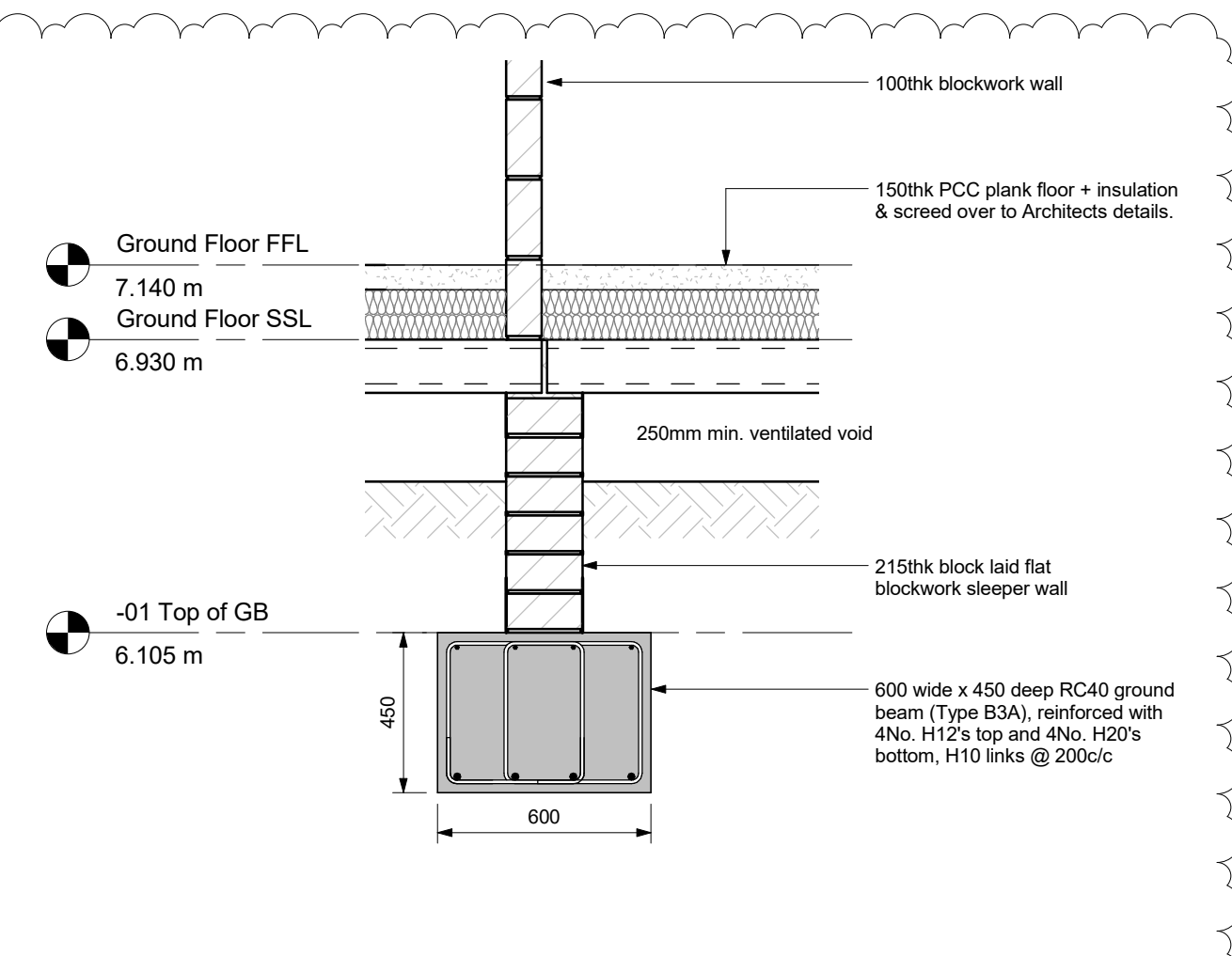
COLUMN
UKC203x203x71

BASE PLATE
Plate size = 350x350x25
Bolts = 4 No. M16 RAWL R-CAS capsules and studs
Hole Dia. = 18mm
Bolt Embed. = 200mm
Flange Weld = 6mm
Web Weld = 6mm



7 Lift Pit Slab - Ground Beam Interface

1 : 20



8 Section through Tank Room Sleeper Wall

1 : 20

GENERAL NOTES:

- This drawing is to be read in conjunction with all relevant Architect's, Engineer's and specialist Sub-contractor's drawings and specifications.
- All setting out to be in accordance with the Architects drawings, any discrepancies between the Engineers and Architects drawings to be referred to the Architect before proceeding. Dimensions must not be scaled.
- All dimensions are in millimetres; levels are in metres A.O.D. (Above Ordnance Datum).

REINFORCED CONCRETE:

- Concrete grade to be as stated on drawings/details
- All reinforcing steel to be grade B500 to BS EN 10080:2005 and BS4449:2005. All tying wire to be stainless steel annealed wire, 1.2mm diameter.
- Cover to reinforcement to be as stated on drawings/details
- Aggregate to comply with BS EN 12620 and should be normal weight, 20mm maximum unless noted otherwise.
- Concrete finishes to be as follows (refer to the Specification for definitions):

In foundations: Wall, unless exposed: Exposed faces of walls: Soffit of ground floor slab: Exposed edges of ground floor and roof slabs: Slabs, unless stated otherwise: Roof upstand: External stairs:	Basic: Plain smooth Fine smooth Special Special Fine smooth Fine smooth Plain smooth
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- Concrete delivery to comply with BS EN200-1 and conform to BS EN8500-2.
- All watertight concrete is to be constructed using the Sika concrete system, and is to be constructed in accordance with the current recommendations and regulations of Sika specification. All services passing through watertight concrete to have waterbars in accordance with Sika details. Refer to the concrete specification table for Sika concrete mix specification. For maximum embedment depth of fixings into Sika concrete, refer to Sika's recommendations.

MASONRY NOTES:

- All masonry walls to be in accordance with BS 5628
- Brickwork to have a minimum average crushing strength of 20N/mm² and a water absorption not exceeding 12%.
- All blockwork below DPC level to be 7N/mm² medium dense aggregate concrete blocks unless noted otherwise.
- Walls below DPC level to be set in mortar designation (ii), strength class M6 in accordance with BS5628-1:2005 table 1.
- Walls above DPC level to be set in mortar designation (iii), strength class M4 in accordance with BS5628-1:2005 table 1.
- Wall ties to be Ancon ST2 or equivalent to PD6697 at 450mm centres vertically and 900mm centres horizontally staggered.
- Additional ties to be provided at openings and at movement joints at 225mm centres vertically.
- Minimum tie embedment 50mm, wall ties shall not slope inwards.
- Backfill operations to be carried out simultaneously to both sides of walls below ground floor level to prevent surcharging the wall.
- Cavities below ground level to be concrete filled to within 150mm of DPC. All DPC's, DPM's and tanking to be in accordance with the Architect's specifications and details U.N.O.
- All walls to be central to their foundations unless noted otherwise.
- Movement joints to be positioned at 6m centres in blockwork and 12m centres in brickwork.
- Movement joints to be formed with 15mm Fosroc Hydrocell XL or similar joint filler with a Fosroc 20 x 15 Thioflex 600 joint sealant. (Colour and fire resistance of sealant to be advised by Architect).
- Openings in rendered blockwork to have masonry bed reinforcement - refer detail on drawing 202

B	22.03.2017	Substructure walls added around booster pump room	JSB
A	07.03.2017	Substructure amended to HGP comments. Additional ground beams added under water booster tank	JSB
T 2	04.01.2016	Plinth detail and base plates added	JCNC
T 1	20.12.2016	First Issue	JCG
Rev.	Date	Description	Issued By

STAGE 5 FOR CONSTRUCTION

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Client: **McCarthy & Stone**

Project Title: **Hayling Island Retirement Living**

Drawing Title: **Ground Floor and Foundations Sections & Details**

Drawn by	JCNC	Project No.	Drwg No. [Rev]
Scale	As indicated		SO-2267-05-SE 102 [B]
Date	13.12.16		