

General Notes

Do not scale from this drawing.
 This drawing is to be read in conjunction with all other relevant drawings.
 Should there be any discrepancy between details indicated on this drawing and those indicated on other drawings the Engineer should be informed PRIOR to construction on site.
 Unit technical approval has been obtained from the relevant Authorities it should be understood that all drawings issued are preliminary and NOT for construction. Should the contractor start site work prior to approval being given, it is at their own risk.
 All dimensions shown are in millimetres unless noted otherwise.
 Traditional Underpinning Specification:
 1. Underpinning is to be taken a minimum of 200mm into loadbearing strata.
 2. Underpinning is to be excavated in lengths not exceeding 1000mm.
 3. No section of underpinning shall be carried out simultaneously at less than 1800mm apart.
 4. During excavation care is to be taken to avoid settlement of existing wall and foundation.
 5. Mass concrete in new foundation is to be 20'N/m³ at 28 days.
 6. Existing foundation is to be joined up with 1:3 cement/sand 24 hours after placing of mass concrete.
 7. Individual pours are to be joined together with reinforcing bars rammed into adjacent ground (4No H16 bars 750mm long placed equally in each pour, backfilling to the side of the underpinning is to be placed in 200mm well compacted layers).
 8. Loadbearing strata must be inspected and approved by the Engineer on site.
 9. Support to the side of the excavation is to be provided where necessary.
 11. Excavation to any section of underpinning shall not be commenced until at least 48 hours after completion of any adjacent section of work.

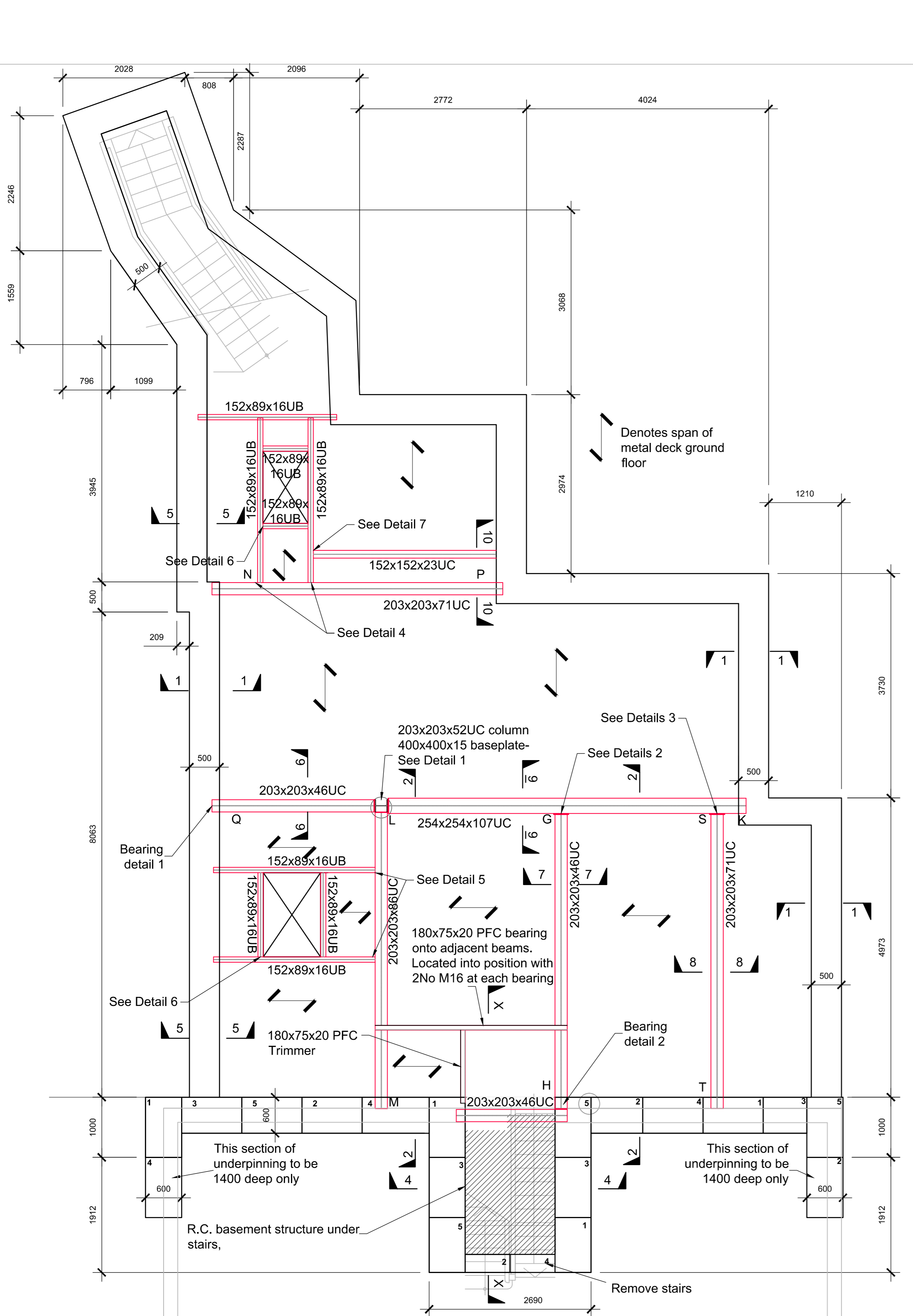
Underpinning Sequence

1	3	8	2	4	1	3	8	2	4	1
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Reinforcement Notes
 Concrete cover to reinforcement to be 40mm at all faces unless shown otherwise on sections.
 Reinforcement bars are to be lapped a minimum of 40 x diameter unless shown otherwise.
 The following mixes are to be used (in accordance with BS5500):

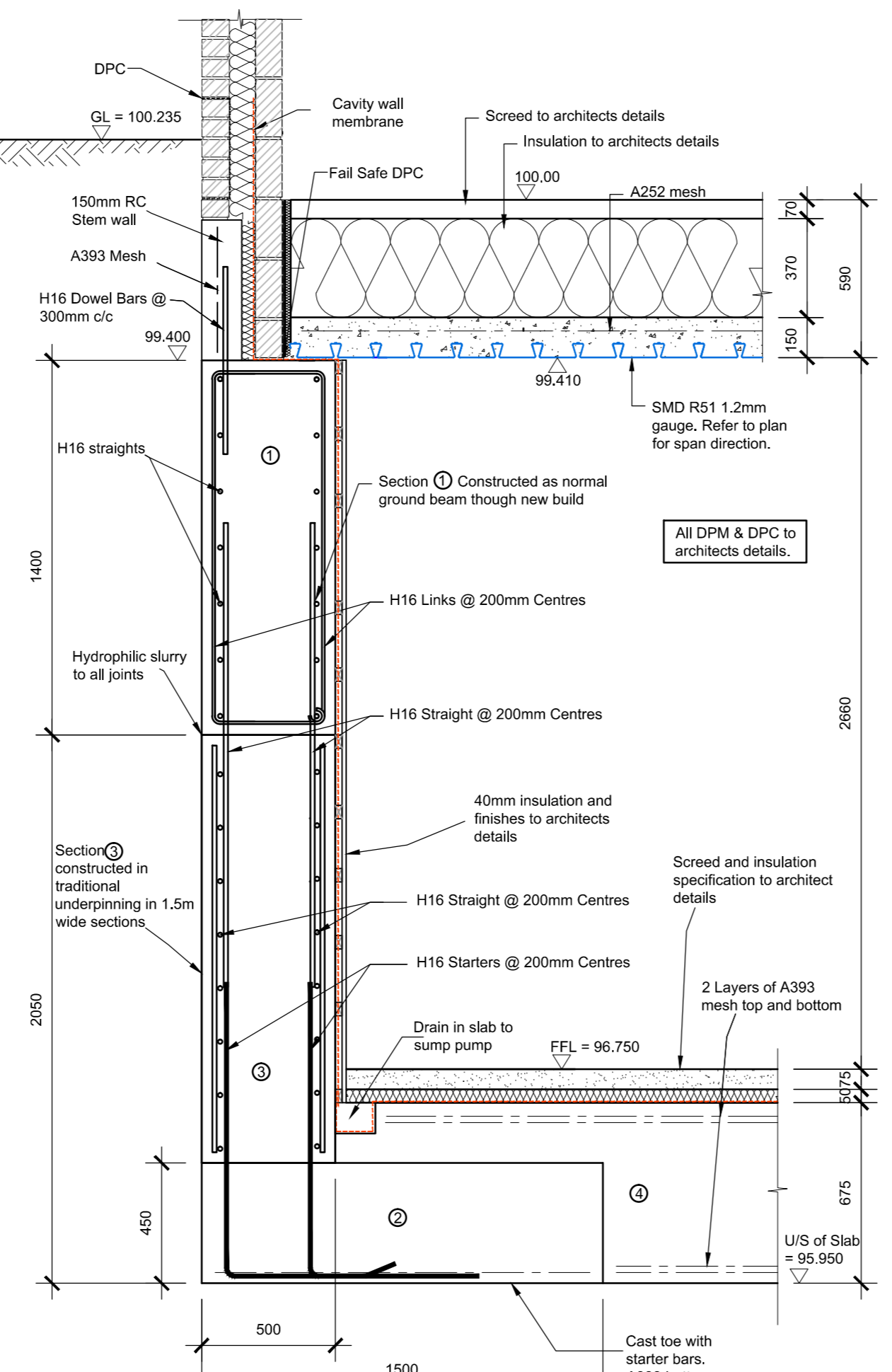
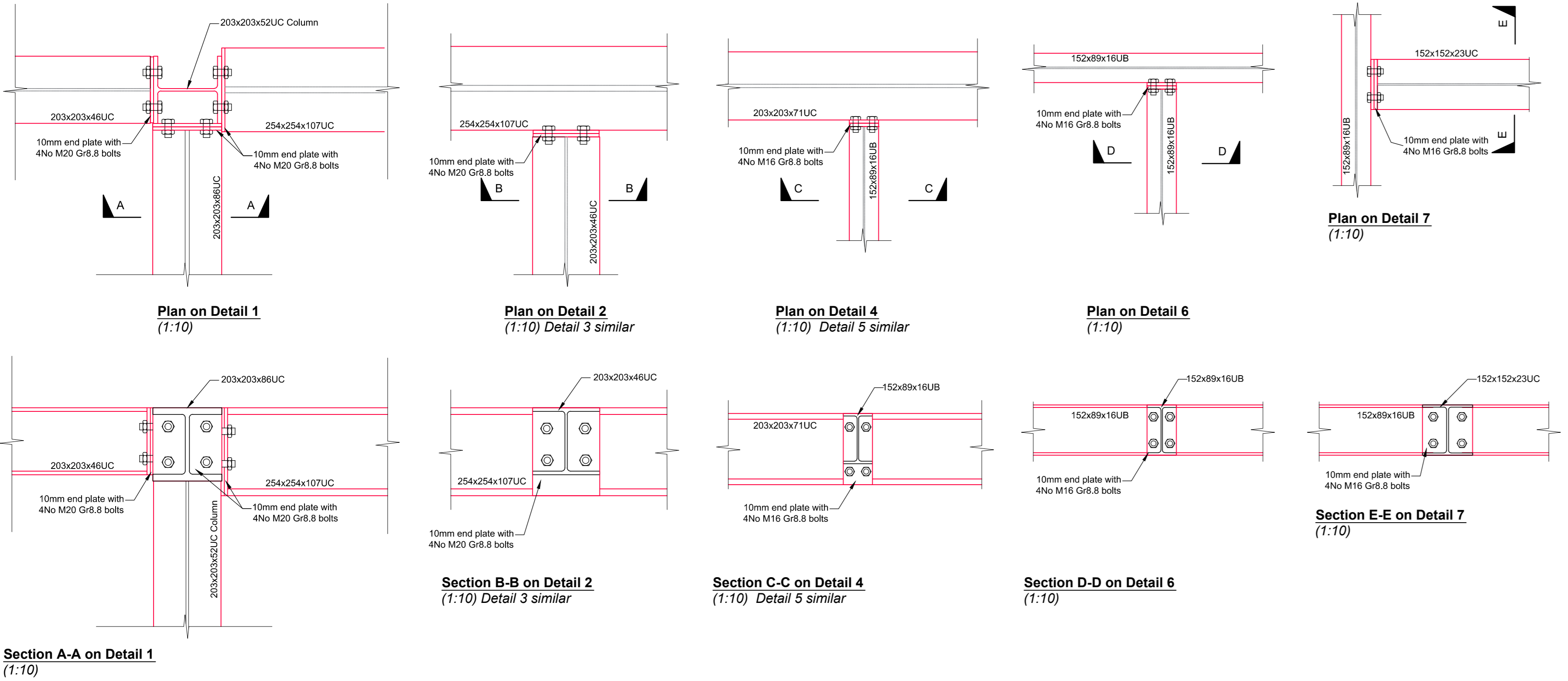
Location	Mix reference	Minimum cement content	Maximum free water/cement ratio	Nominal size of aggregate
R.C.	C32/40	340 kg/m ³ cu.	0.55	20mm

For location of holes up to 150mm square through walls and slabs refer to relevant architectural drawings.
 For location of holes greater than 150mm square see Engineers adjusted locally to suit.
 All temporary works to be the responsibility of the Contractors drawings.

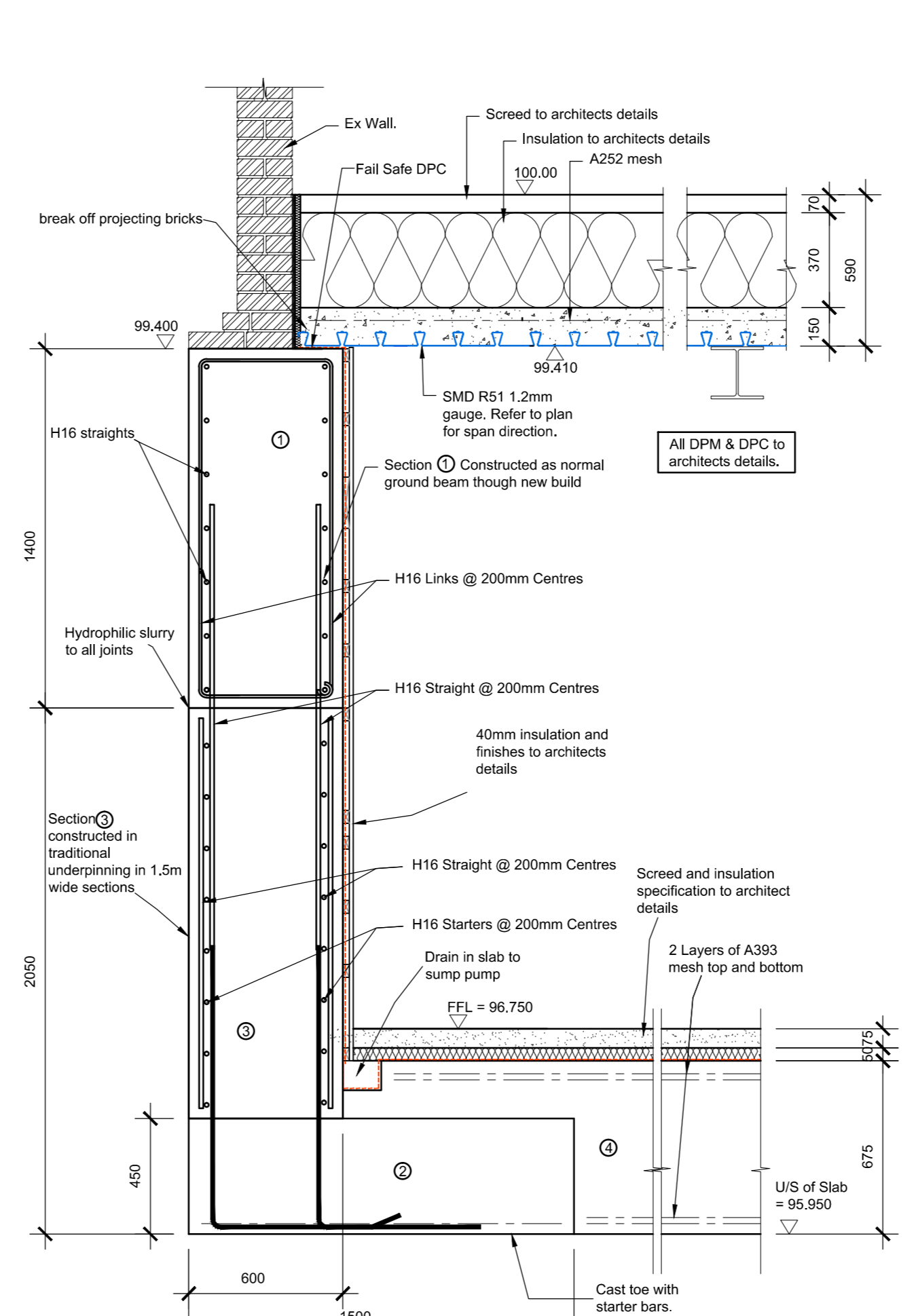


Basement Plan Showing Structure Over (1:75)

Baseplate Typical (1:10)
Typical to 203x203x42 UC.
Baseplate size - 400x400x15mm
M20 Resin Anchors to Specialist Specifications

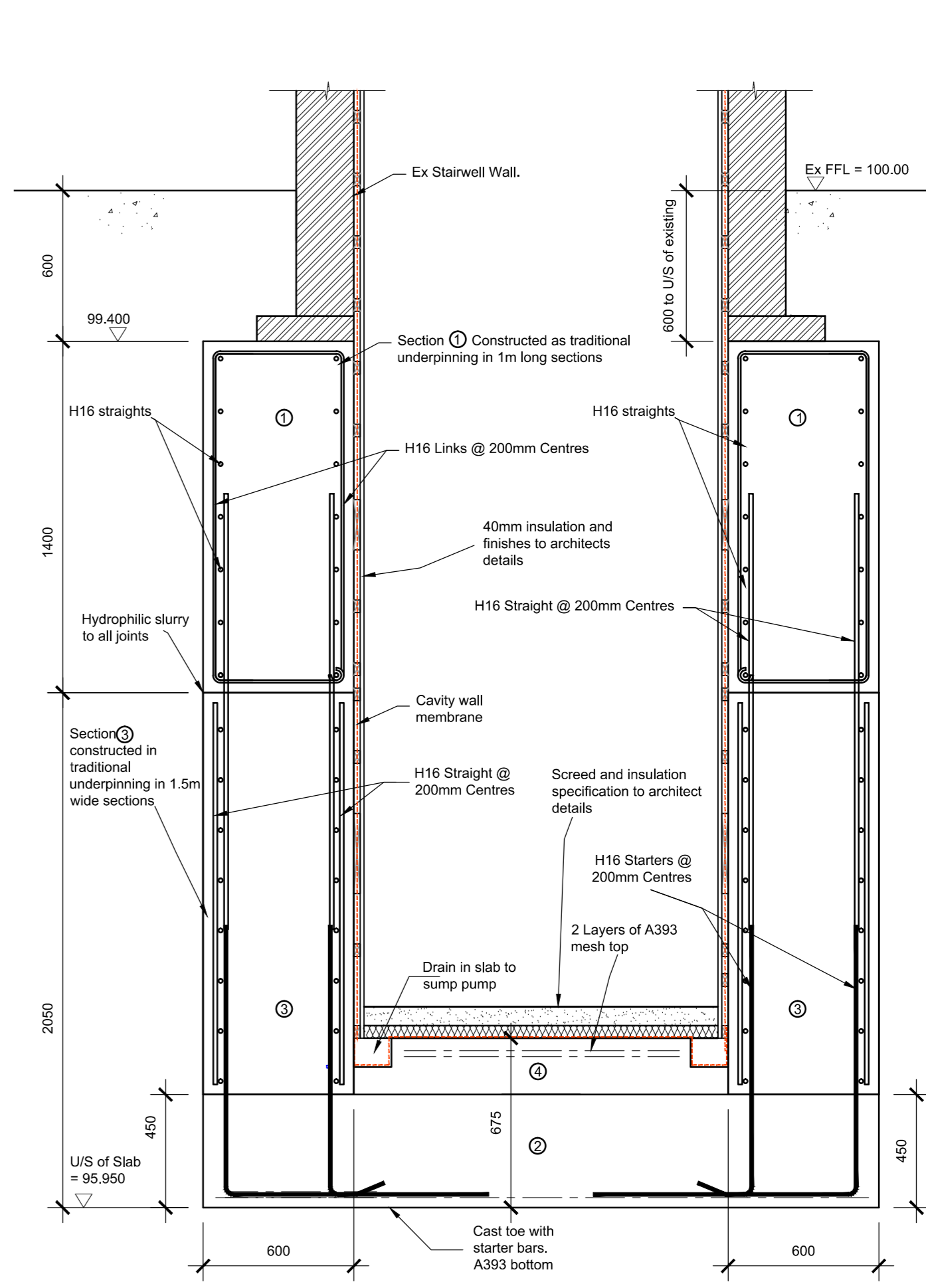


Typical Section 1-1 (1:20)

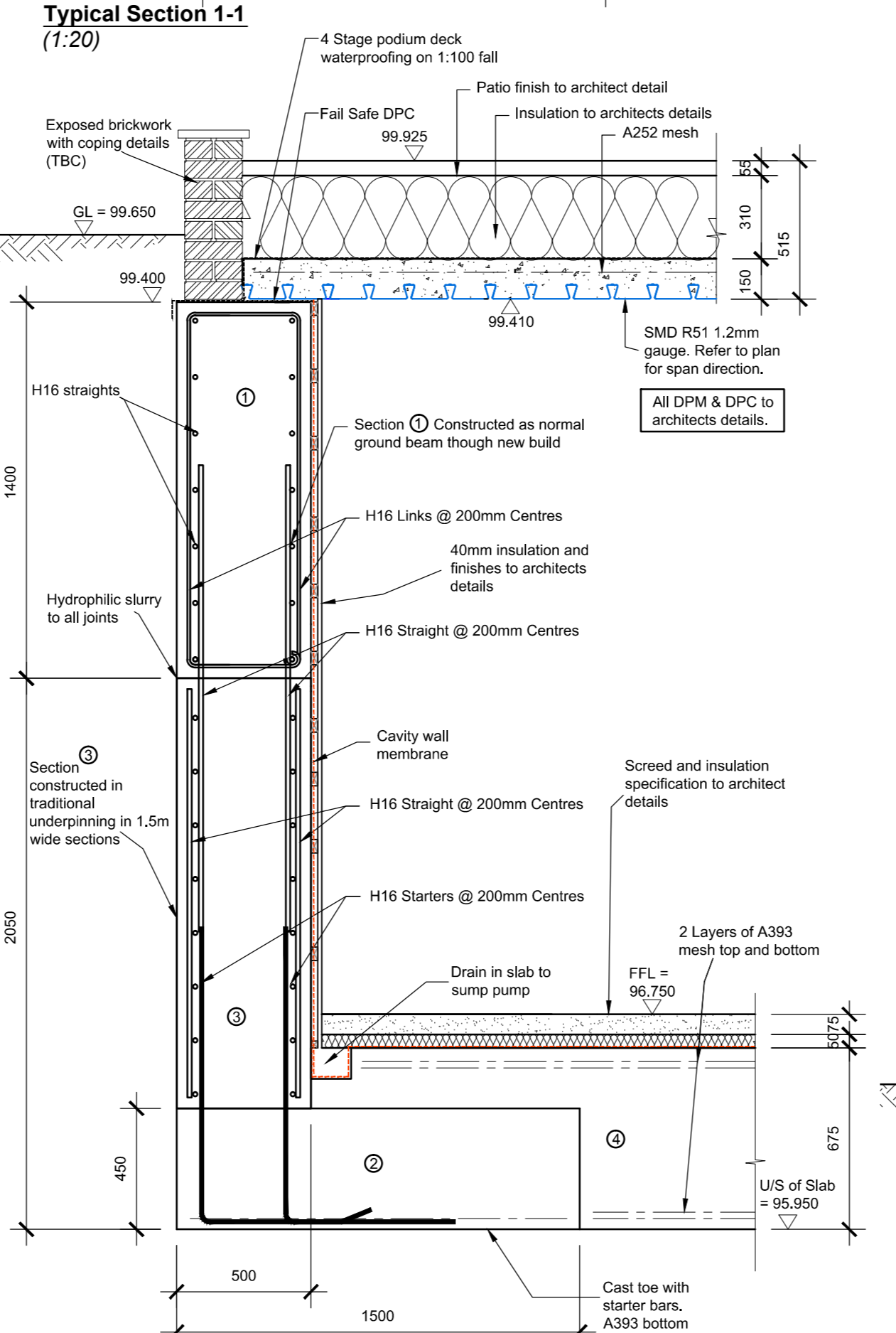


Typical Section 2-2 (1:20)

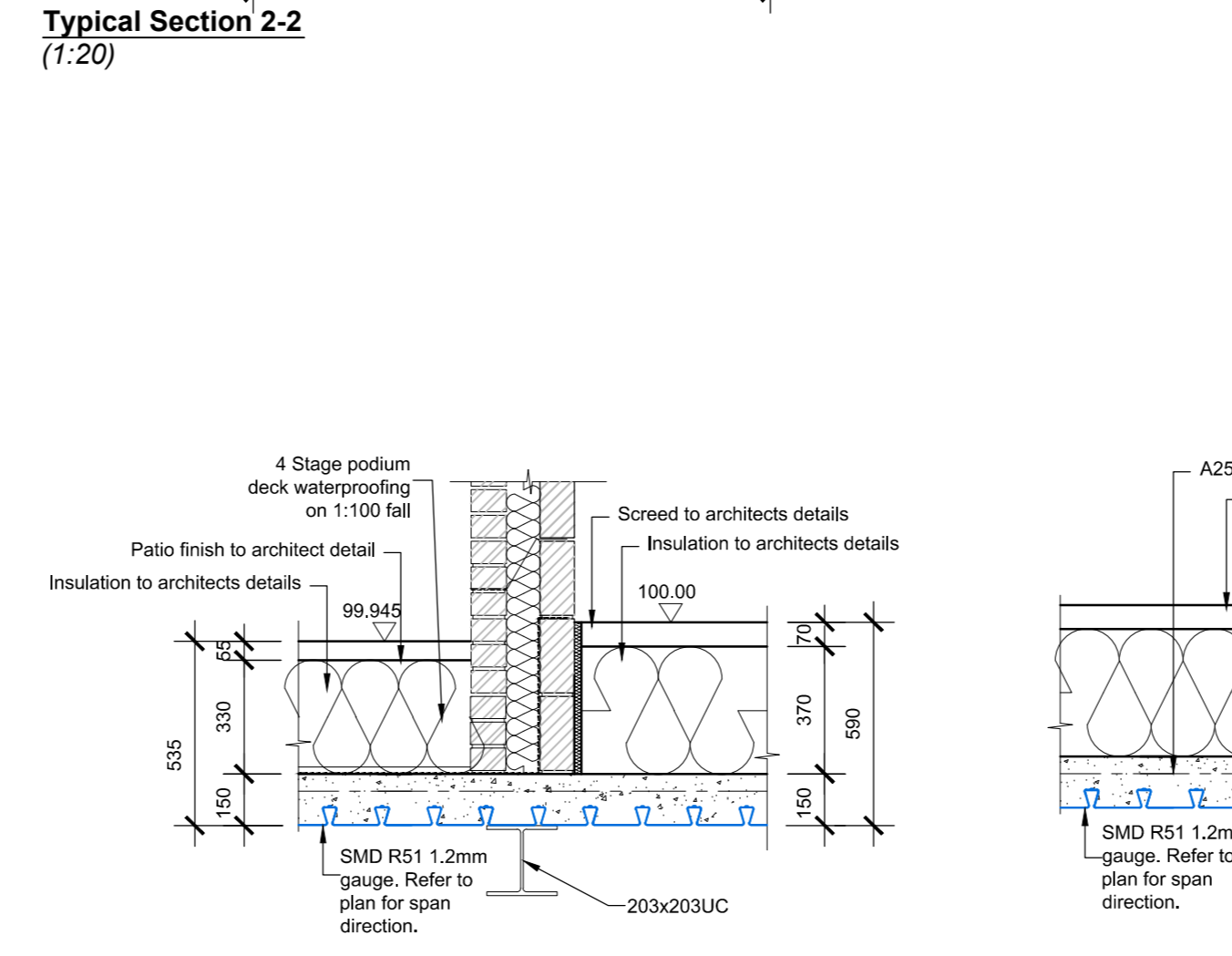
Typical Section 3-3 (1:20) OMITTED



Typical Section 4-4 (1:20)



Typical Section 5-5 (1:20)



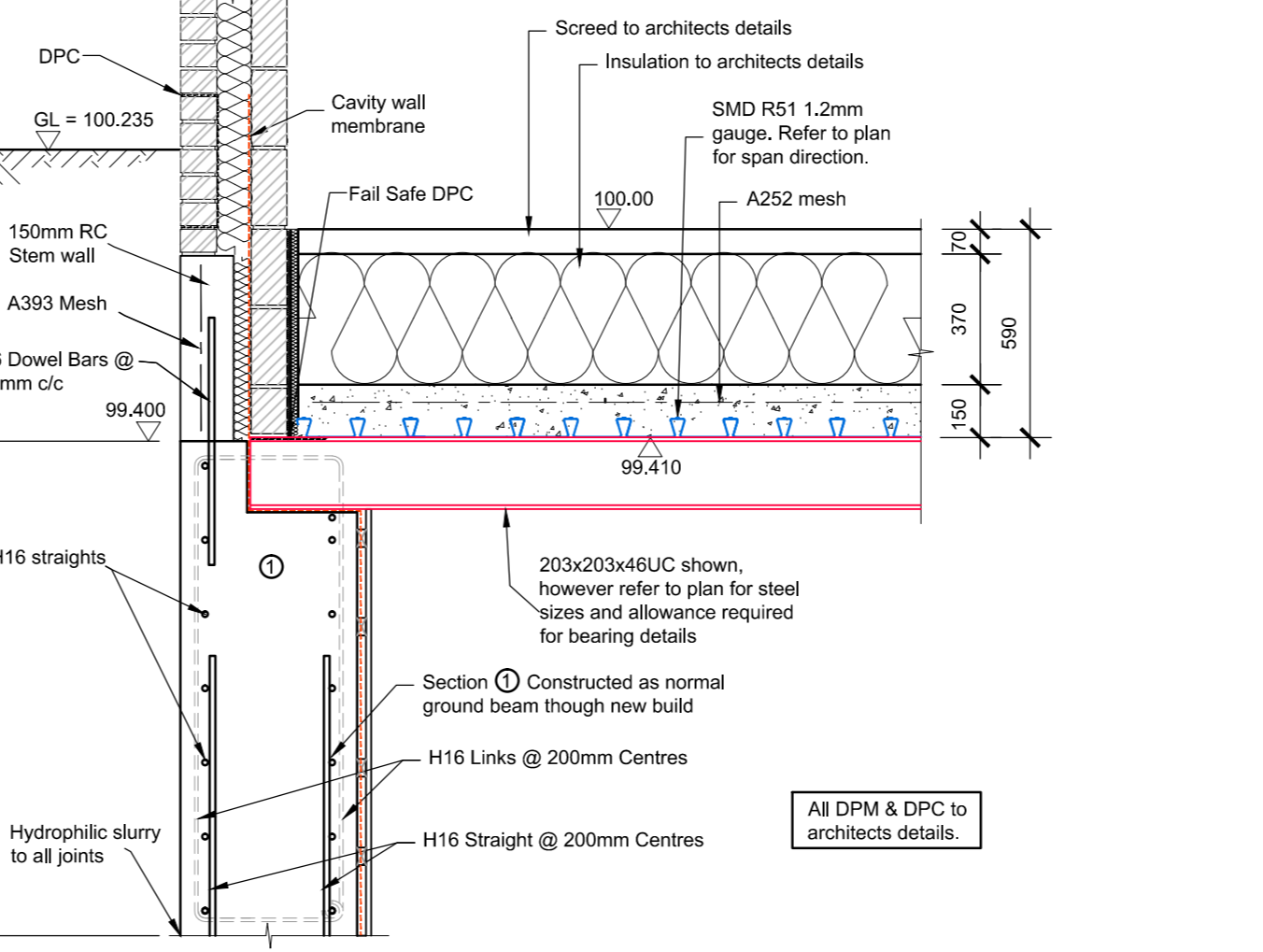
Typical Section 6-6 (1:20)

Typical Section 7-7 (1:20)

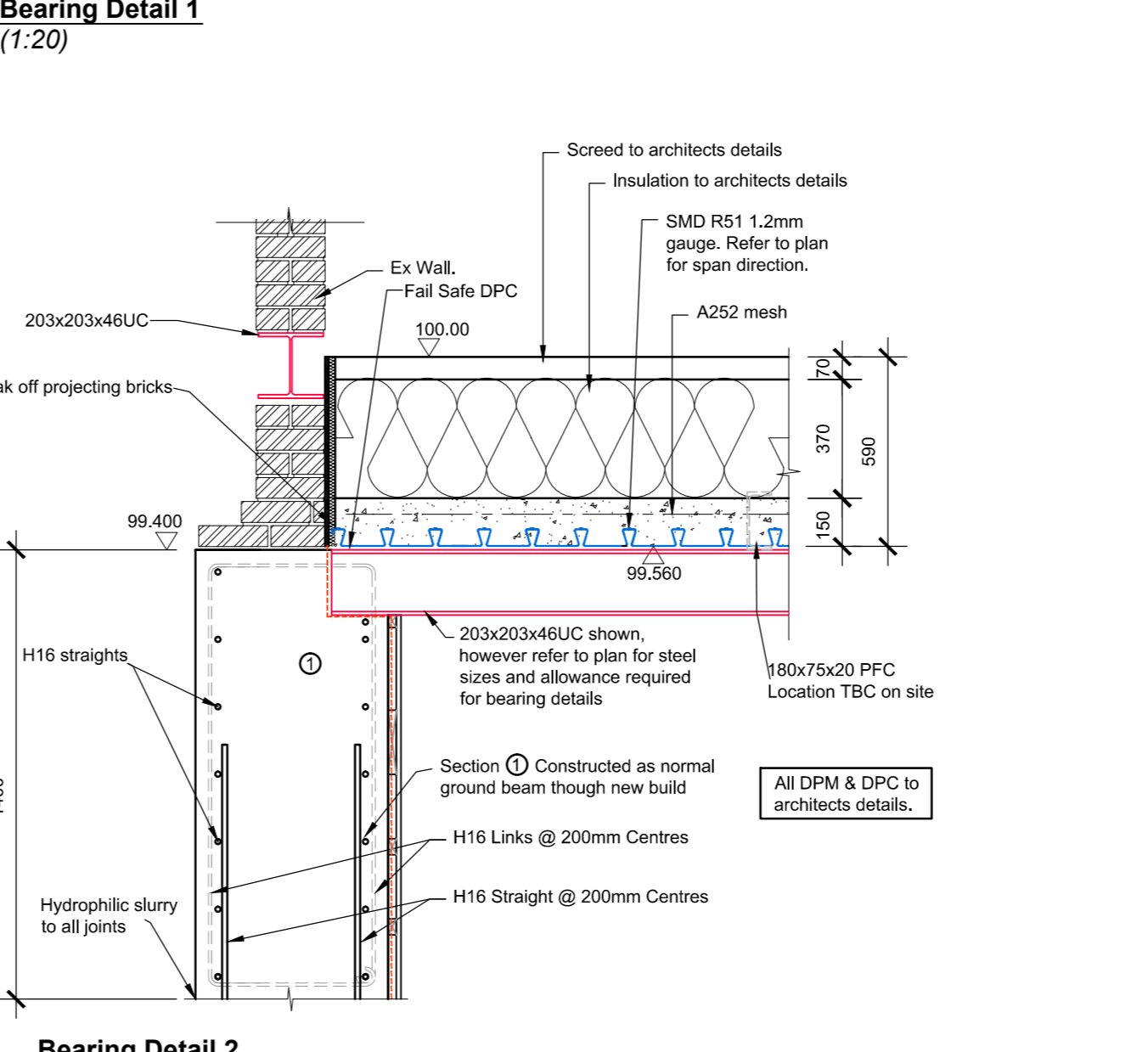
Typical Section 8-8 (1:20)

Typical Section 9-9 (1:20)

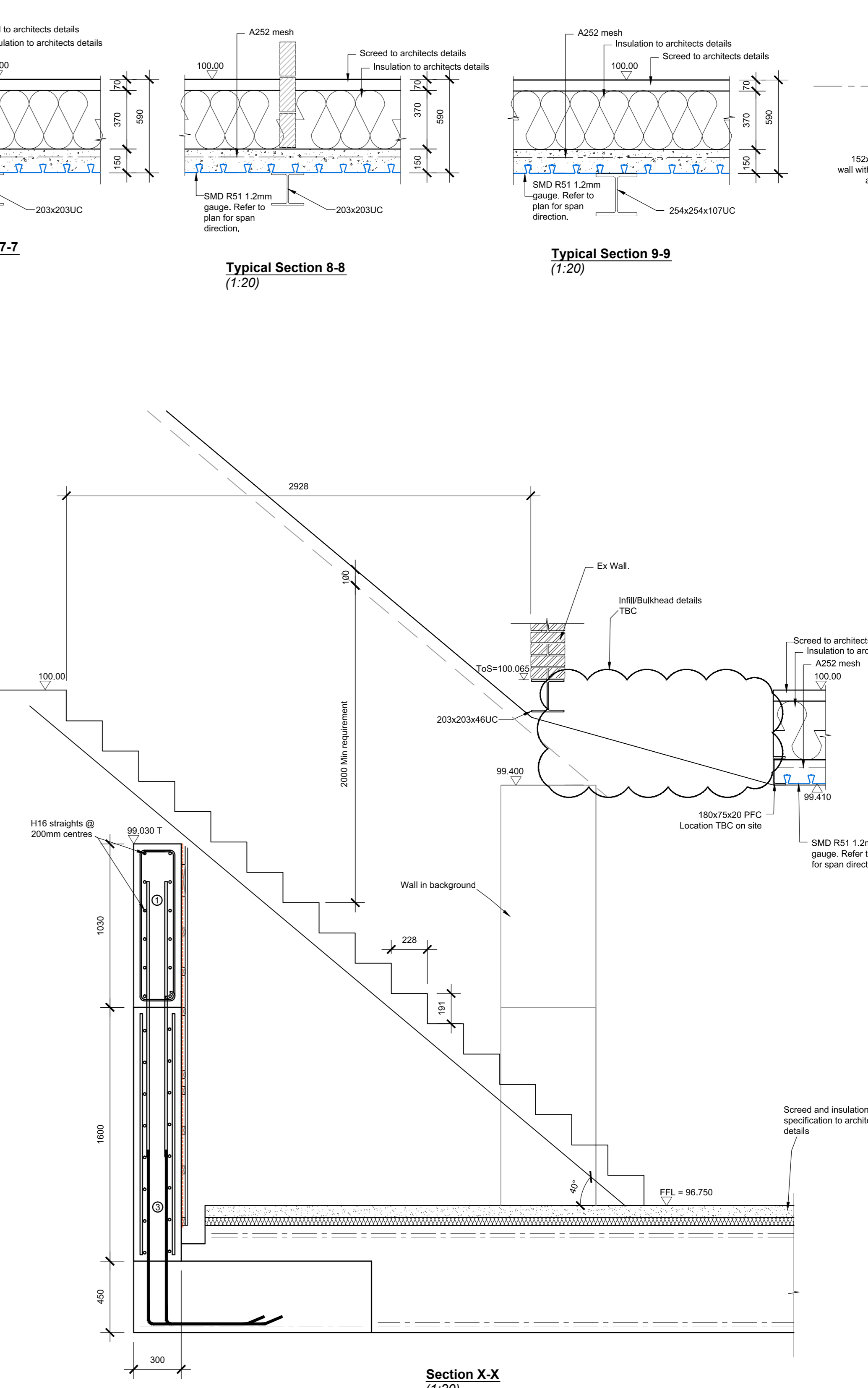
Typical Section 10-10 (1:20)



Bearing Detail 1 (1:20)



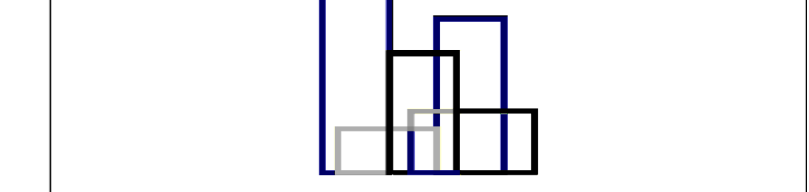
Bearing Detail 2 (1:20)



Section X-X (1:20)

Rev	By	Date	Details	Checked
N	MLE 20.03.20		Sightline revised and additional sections added	DS
M	MLE 20.01.20		Stairs updated to suit latest comments	DS
L	MLE 17.01.20		Revised boundary and stair details	DS
K	MLE 06.01.20		Dimensions revised to suit boundary	DS
J	MLE 14.10.19		Basement floor dropped by 150mm & increase in insulation	DS
I	MLE 24.09.19		Basement details amended to suit survey	DS
H	MLE 15.04.19		Updated to suit contractors (pave/mesh method)	DS
G	MLE 05.03.19		Note added	DS
F	MLE 06.02.19		Dimensions added to plan	DS
E	MLE 06.02.19		Wall & floor structure revised	DS
D	MLE 14.12.18		Ground beams replaced with slabs	DS
A	MLE 06.07.18		Additional sections added	DS

Drawing Status: Construction



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Client		Mr & Mrs Irving	
Project		Proposed Extension to Mulberry House Hickling, Melton Mowbray	
Title		Proposed Basement Plan and Details	
Scale (A0)	Drawn by	Job No.	Drp No.
As Shown	MLE	2018 7601	01N
Date	Checked by		
June 2018	DS		