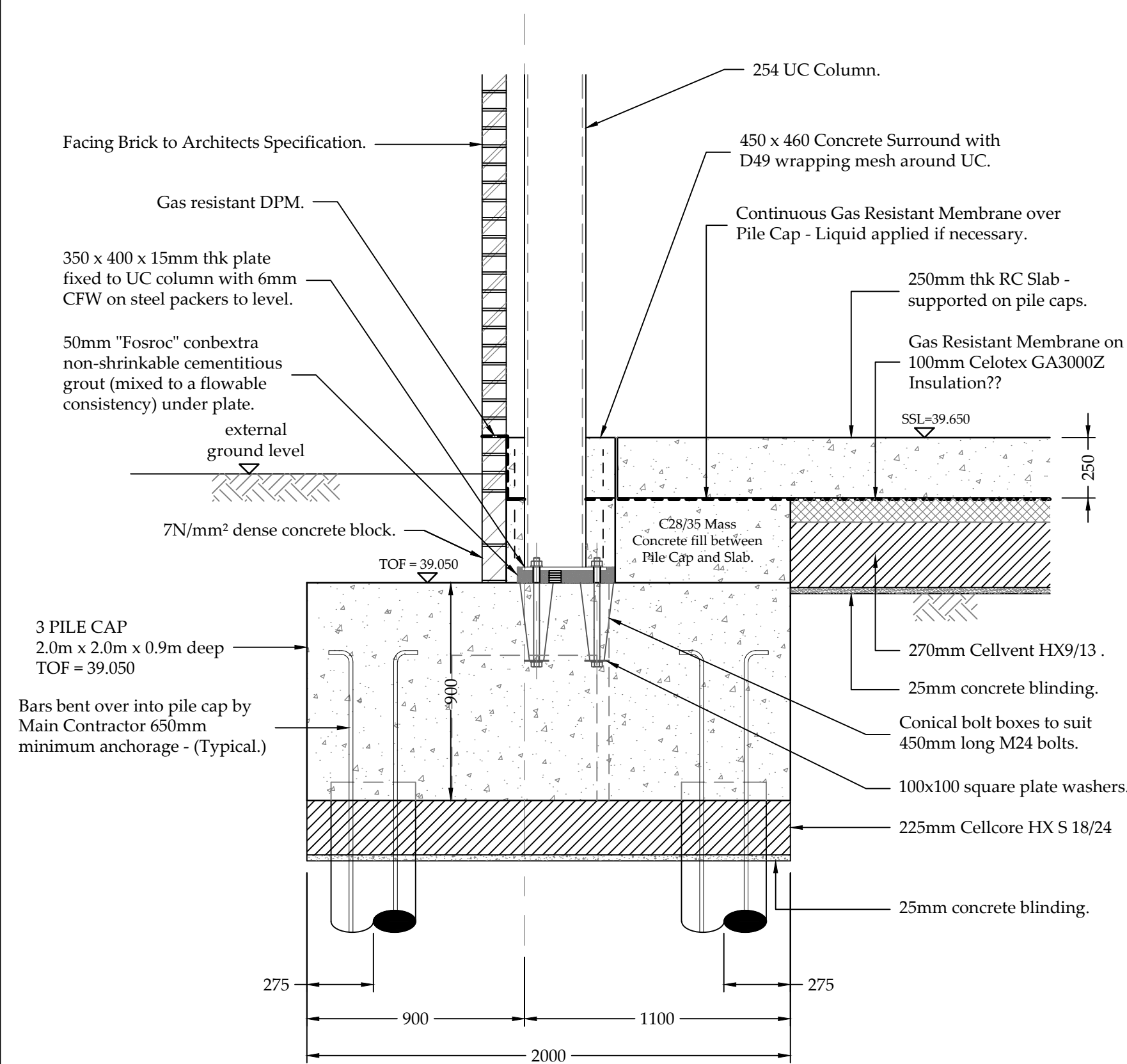
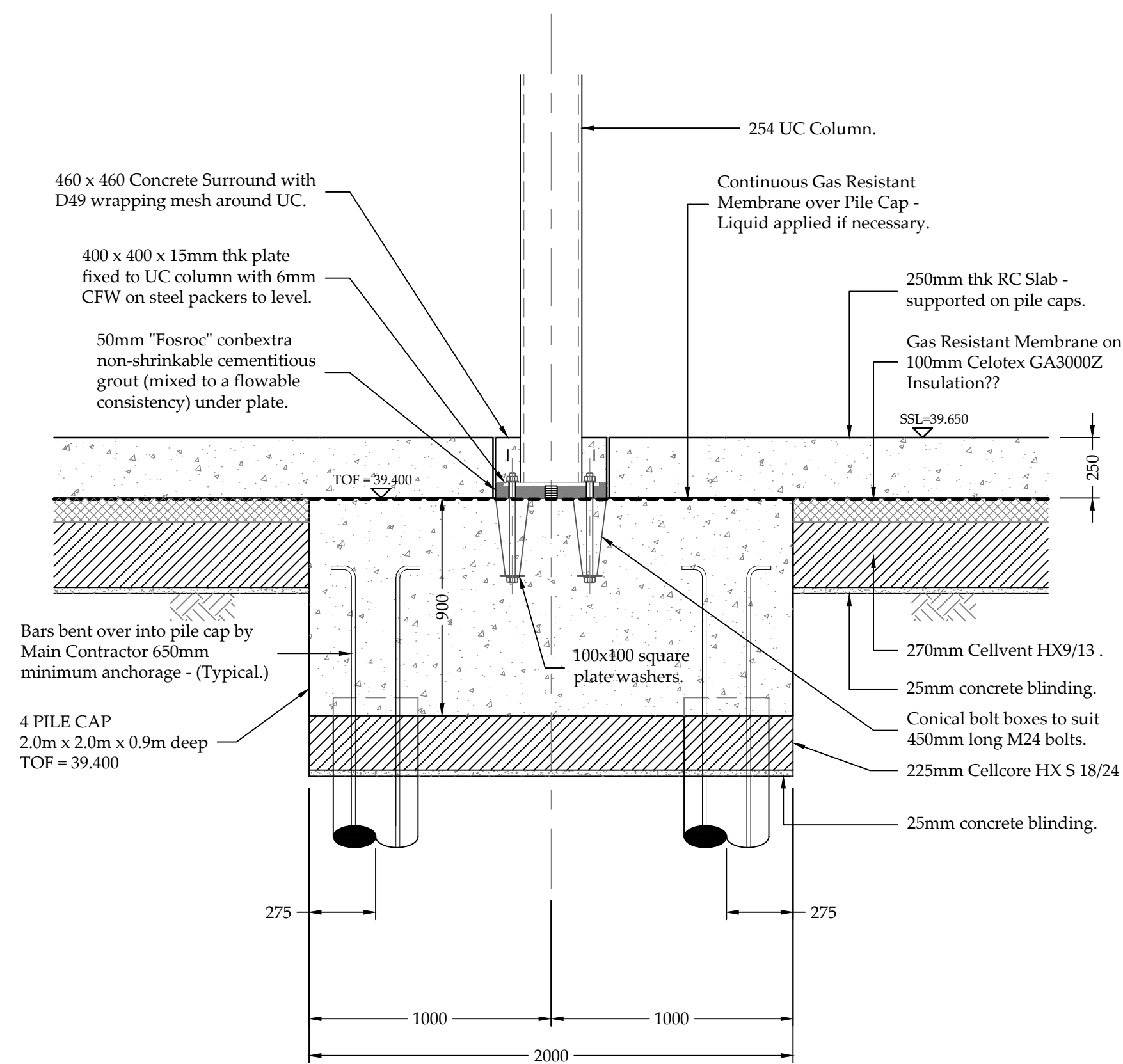
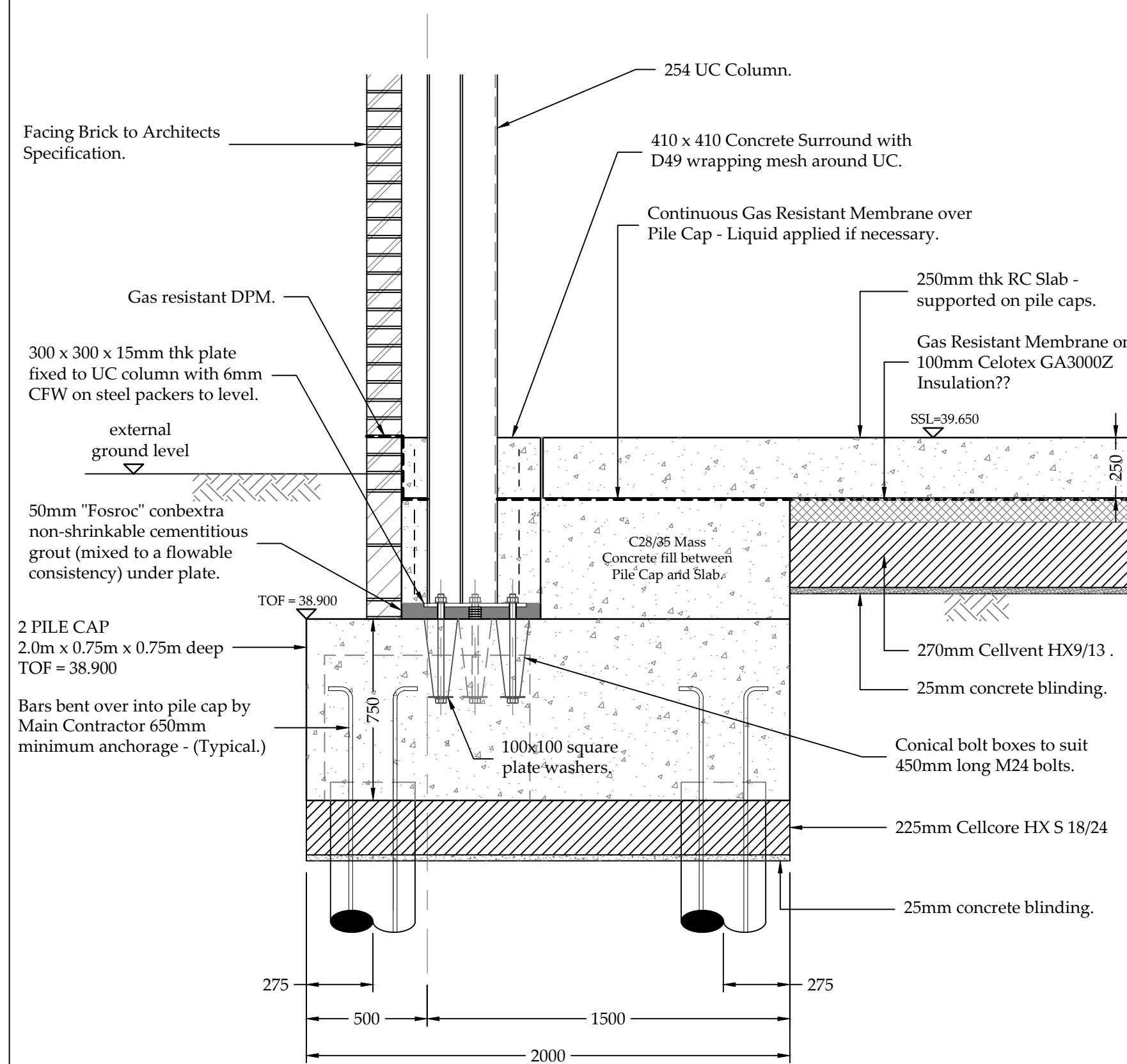




Section A - A
Scale 1:20



Section B - B
Scale 1:20



Section C - C
Scale 1:20

Notes:

1. Do not scale from this drawing.
2. All dimensions are in mm unless otherwise specified.
3. In case of any discrepancies in drawings or details refer to engineer for clarification. Unilateral decisions by the contractor will not be accepted.
4. This drawing is to be read in conjunction with all related Architect's, Consultant's & Sub-Contractor's drawings and specifications.
5. The Contractor is to ensure that all design drawings and information are read concurrently and any discrepancies or omissions reported directly to Aventus Design.
6. Refer to Drawing No. H1464-402 for location of drains passing through foundations/walls.
7. Piled concrete floor slab designed for:
Live Load = 6 kN/m^2
Dead Load = Self Weight
8. Refer to Concrete Specification for mix designs.
9. All blockwork below floor to be 7N/mm^2 dense block in 1:3 cement:sand mortar.
10. All dimensions are based on Architect's Drawings and shown to centre lines of foundations.
12. Refer to drawing H1464-3?? for Pile Layout.
13. Refer to drawing H1464-300 for Foundation Layout.
14. Refer to soils report by AVIRON Ref: 24-219.01 Version 2 dated October 2024 to confirm soil conditions. Any differing conditions shall be reported to the Engineer for his instructions.

CDM REGULATIONS 2015

Aventus Design have considered and where reasonably practicable avoided foreseeable risks in the preparation of the design shown on this and related drawings. Significant risks which remain and associated control measures are identified in the Risk Register and should be given particular attention by the main contractor on site.

RISKS RELATING TO THIS DRAWING:

RISK NUMBERS ? & ? on Risk Register
NOTE: The Risk Register records only those elements considered unusual, difficult to manage or outside the anticipated expertise of a competent contractor.

Drawing Status	PRELIMINARY ISSUE	
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-	-	-	-	-

REV.	DATE	DESCRIPTION	CHK	APP
		Aventus Design Ltd Unit 5 - Leaches Farm Business Centre Bicestor Road Kingswood Aylesbury Bucks HP18 0RF Tel: 01296 770066		



Aventus
DESIGN

Civil & Structural Engineers

Email: mail@aventusdesign.co.uk
Web: www.aventusdesign.co.uk

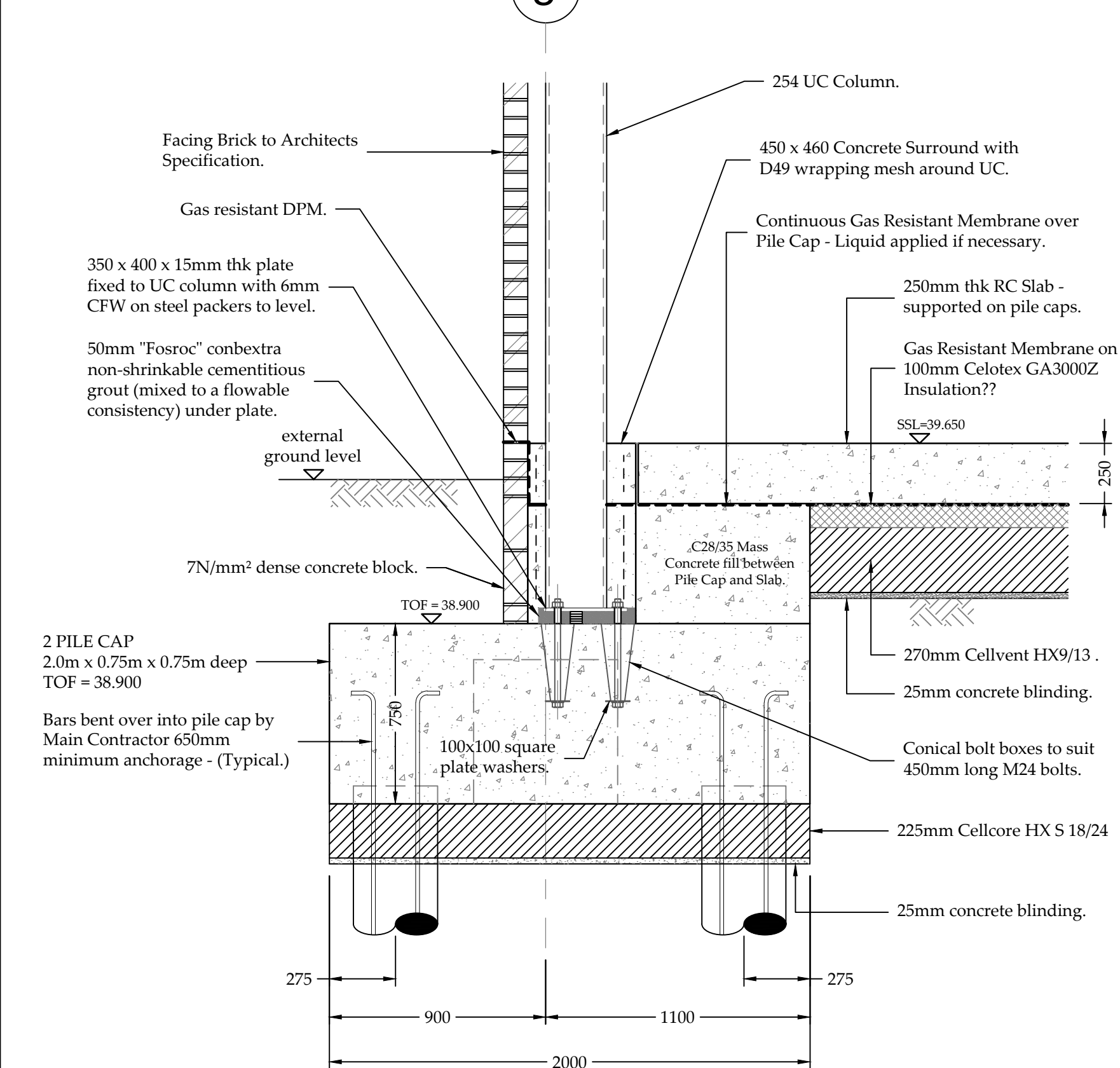
Client: Sorbon Estates

Site: JD GYM's
Reading Link Retail Park,
Rose Kiln Lane, Reading.

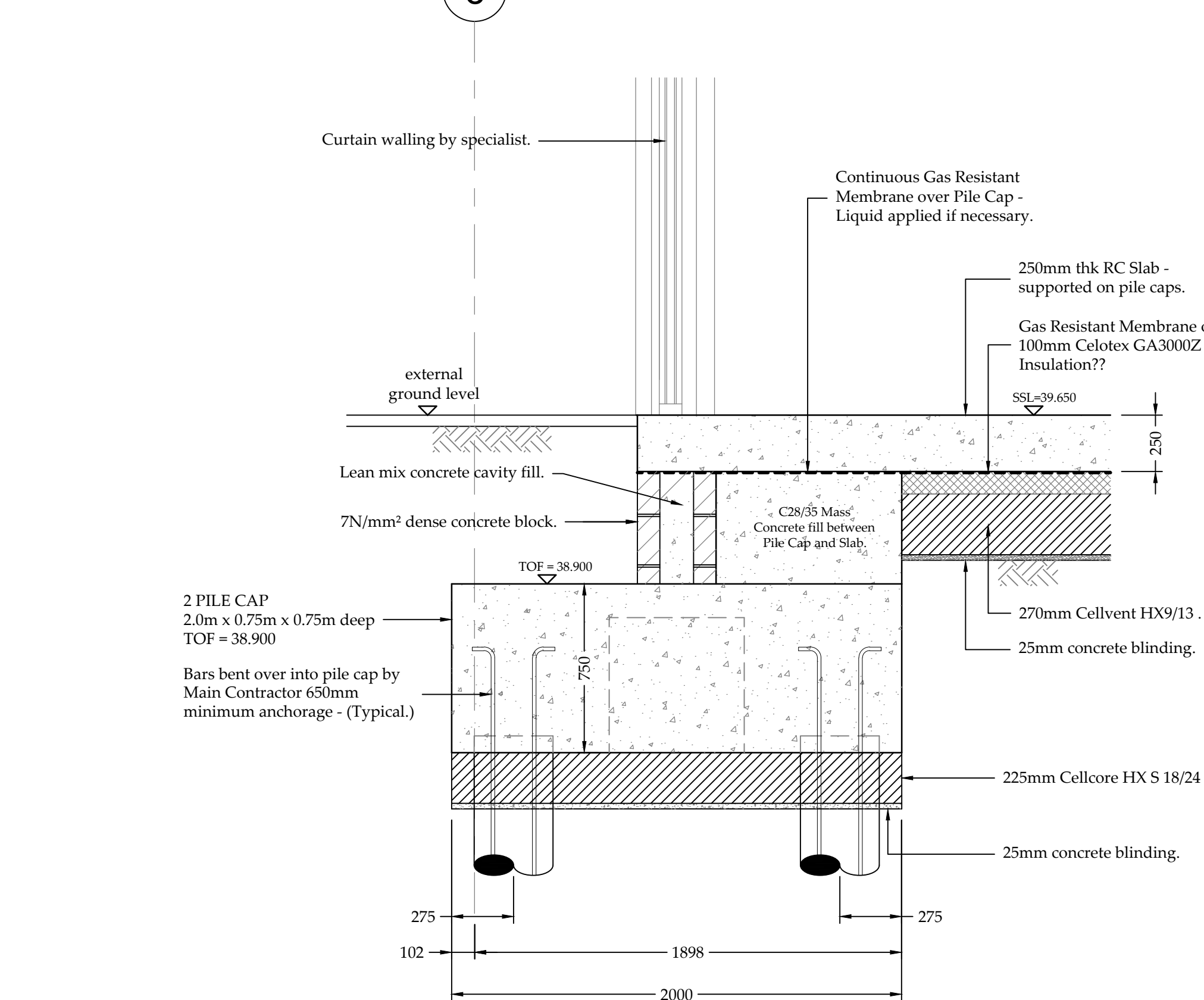
Title: Foundation Sections (1 of 2)

Drawing no. H1464 - 301

Issue:	Scale: 1:20 @ A1	Checked: K.T.	Date: Oct '24
-	Drn: P.P.	Date: Oct '24	Approv: N.T. Date: Oct '24



Section D - D
Scale 1:20



Section E - E
Scale 1:20

GAS REGIME - CHARACTERISTIC
SITUATION 2.

Provide:

- Passive Sub Floor Ventilation.
- RC Raft with Waterbars Around Slab Penetrations.
- Taped & Sealed Gas Resistant Membrane by specialist.

Sulphates have been determined as class DS-2 for design purposes in accordance with BRE Special Digest 1 (2001). Buried Concrete to be in accordance with AEC Site Class AC-2.

Reinforced Structural Concrete.

C28/35
Min cement content = 340Kg/m³
Max. Aggregate size = 20mm
Min. 28 day strength = 35N/mm²
Max. water/cement ratio = 0.5
Slump = 75mm

ARCHITECT TO CONFIRM
SPECIFICATION OF ANY
INSULATION REQUIRED.

GAS MEMBRANE TO SPECIALISTS
DETAILS - MUST BE TAPED AND SEALED
AT ALL PENETRATIONS AND JOINTS.

ORIGINAL SIZE - A1