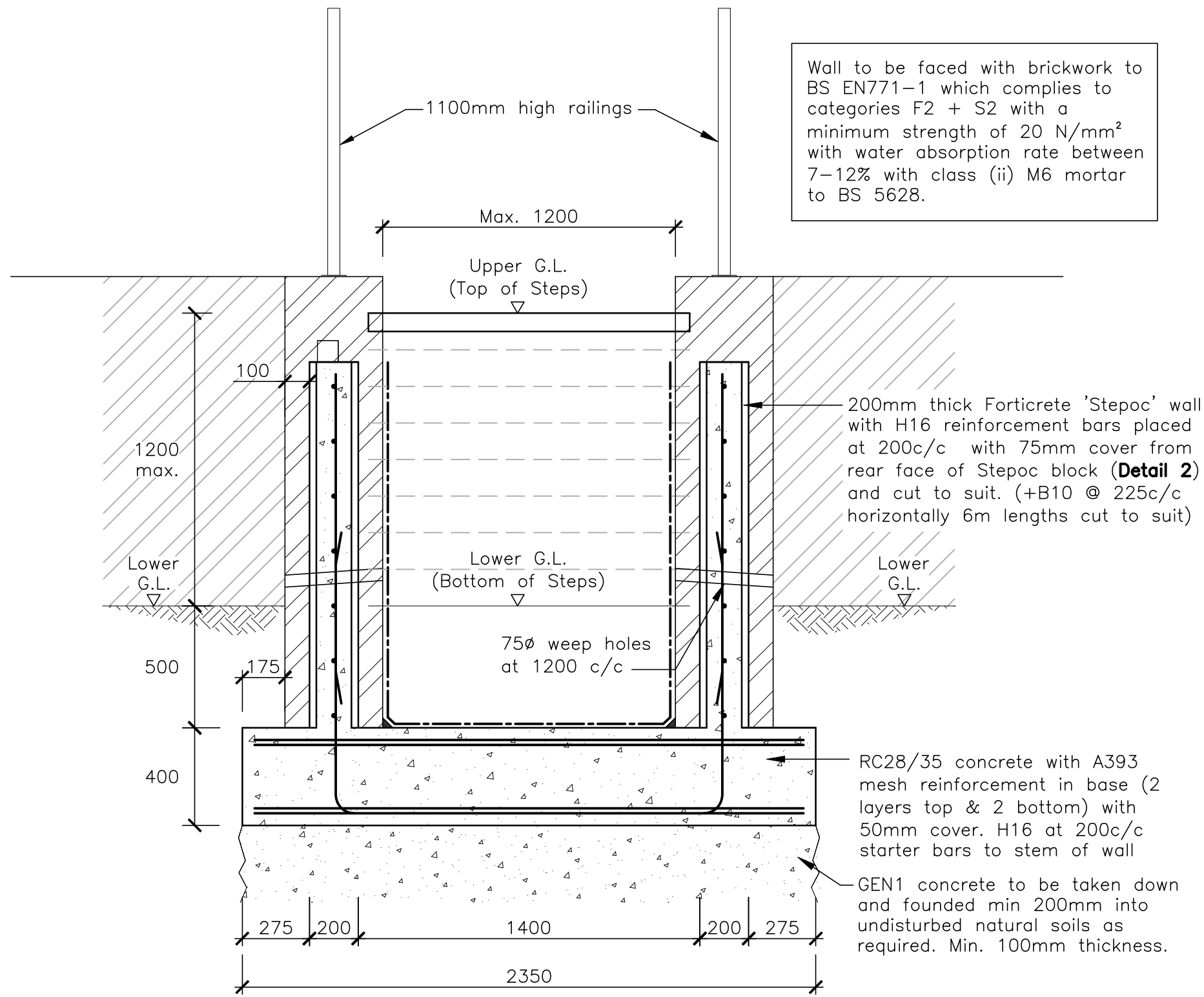
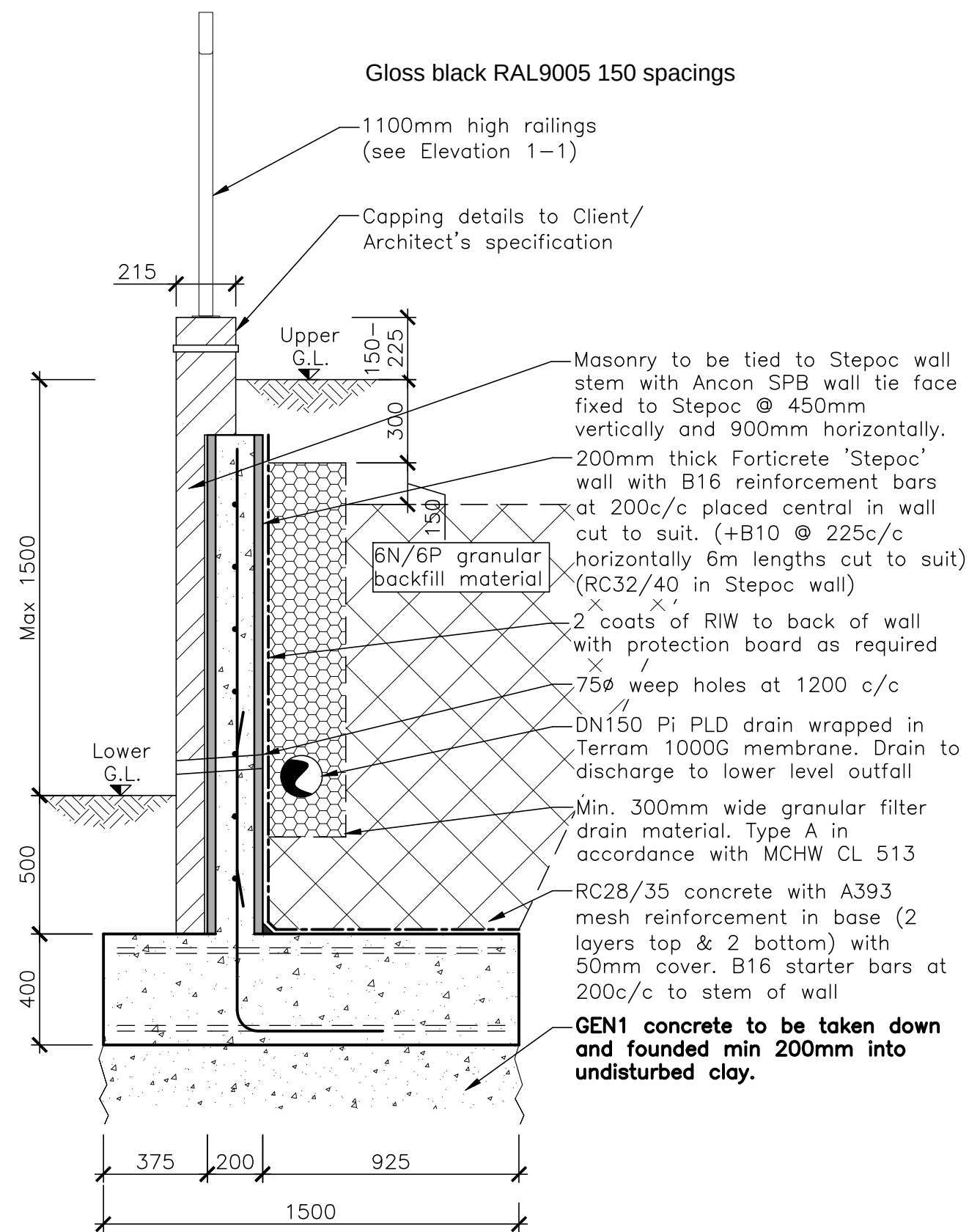
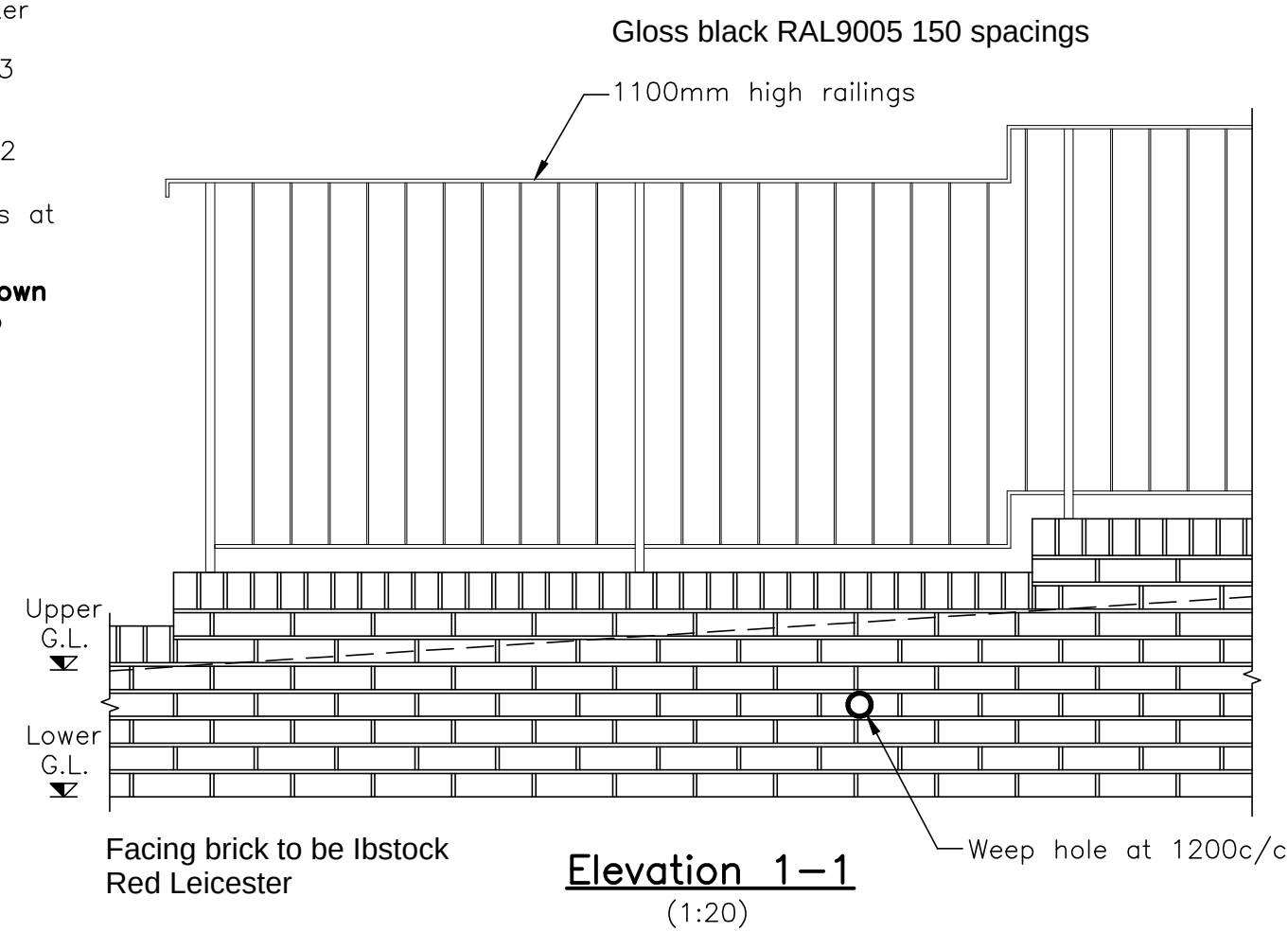




**Stairs 2 Section Through external steps
Up to 1300mm Retained Height**
(1:20)

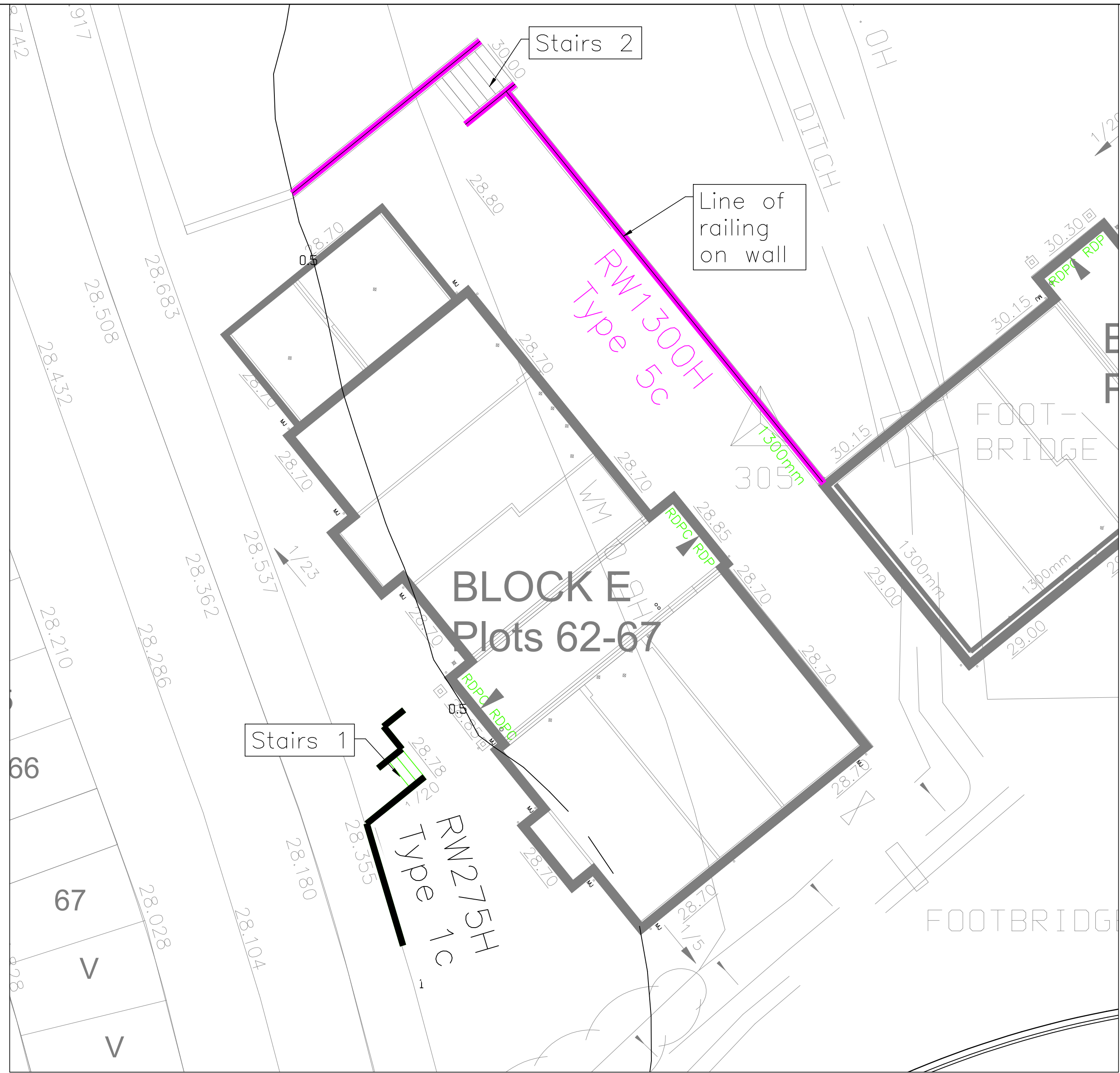


**TYPE 5c
Stepoc Retaining Wall
Up to 1500mm Retained Height**
(1:20)

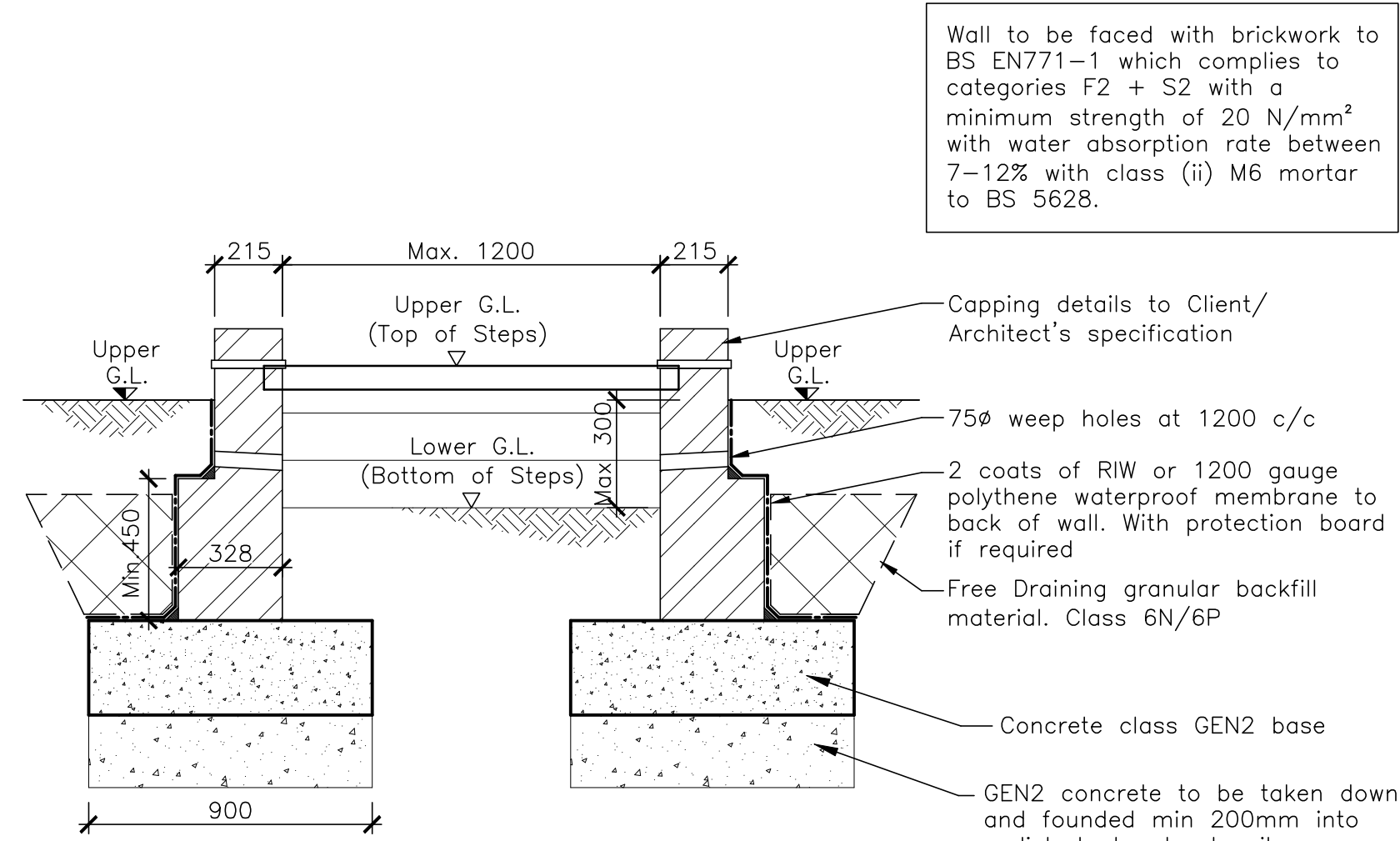


Elevation 1-1
(1:20)

NOTE: MOVEMENT JOINTS REQUIRED WHEN WALLS ARE LONGER THAN 9M. INSTALL AT MAX 6M CENTRES, MIN 3M FROM ENDS OF WALLS.

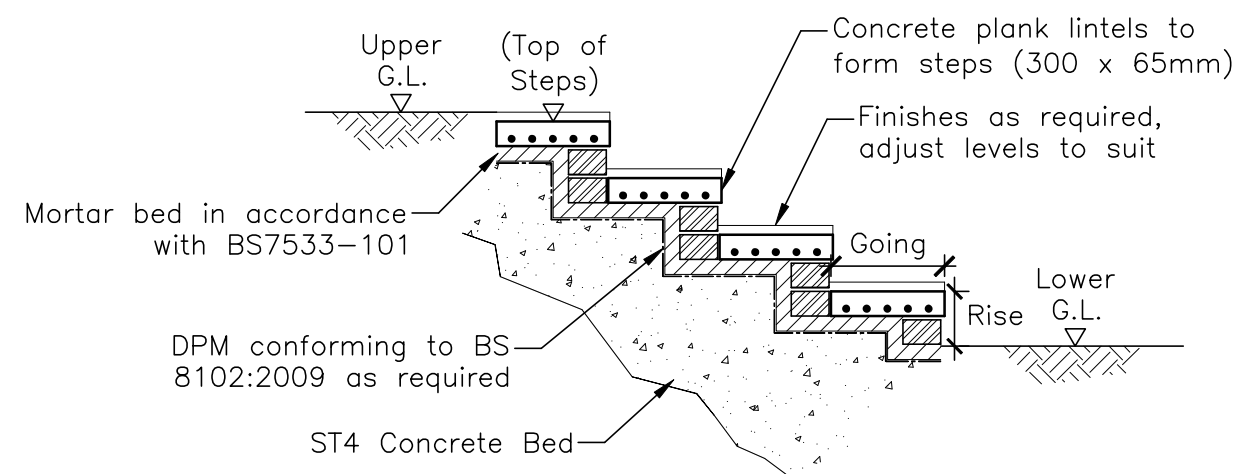


Retaining wall location plan
(NTS)



**Stairs 1 Section Through external steps
Up to 300mm Retained Height**
(1:20)

- Retaining Wall Masonry Notes:**
- All masonry to be in accordance with the requirements of BS 5628: Part 1, Part 2 and Part 3 as appropriate.
 - All masonry below DPC to be in accordance with BS EN 771.
 - All Brickwork below ground to have a minimum density of 2100kg/m³. Brickwork below lower ground level to be class B Engineering Bricks in class M12/(i) mortar. Walls above ground level to be in class M6/(ii) mortar.
 - All blockwork below ground to have a minimum density of 1500kg/m³ AND have a minimum compressive strength of 7.3N/mm².
 - Blockwork to be used with minimum M12/(i) mortar. DO NOT REPLACE ANY BRICKWORK SHOWN IN DETAILS WITH BLOCKWORK.
 - Retaining walls to be faced with brickwork to BS EN 771-1 which complies to categories F2 + S2 with a minimum strength of 20 N/mm² with water absorption rate between 7-12% with class M6/(ii) mortar to BS 5628. Cappings in class M12/(i) mortar.
 - Cement should be in accordance with BS 12, BS146: Part 2, BS 4027 or BS 5224.
 - Aggregates should be in accordance with BS 882, BS 1200, BS877:Part 2 or BS 3797: Part 2. Colour pigments should comply with BS 1014 and should not exceed 10% by mass of the cement content.
 - Plasticizers are permitted and should comply with BS 4887 and be used in strict accordance with the manufacture's instructions.
 - Mortar cube testing, where identified, should be in accordance with BS 5628 Part 1 and the results issued to The Engineer immediately.
 - Movement joints to be provided at a maximum of 6m c/c.
 - Installation and construction details of STEPAC wall in accordance with Anderton Concrete specification and details. First course of Stepoc blocks to be set on class M12/(i) mortar under edges only to allow concrete infill to bond with base and seal.
 - Masonry to be tied to Stepoc/R.C. wall stem with Ancon SPB wall tie face fixed to Stepoc @ 450mm vertically and 900mm horizontally.



Typical Section Through Steps
(1:20)

C4	17/12/24	Line of railing denoted on plan	RF	RF
C3	03/10/24	Wall type 5c guardrail note updated. Elevation 1-1 added.	BC	RF
C2	11/09/24	Wall type revised to a type 5c	RF	RF
C1	14/02/24	First issue.	DM	RF
REV. No.	DATE	DESCRIPTION	DRAWN	CHECKED
Client			MJA CONSULTING	
Vistry Group			CIVIL & STRUCTURAL ENGINEERS	
Project			Boorley Green, Gateway	
Title			Retaining Wall Stair Details	
Scale:			1:20 @A1	
Status:			CONSTRUCTION	
Drawn:			DM	
Project Engineer			RF	
MJA Project No:			6663	
Date:			14/02/2024	
Drawing Number:			6663-MJA-SW-XX-DR-S-1179	
Rev:			C4	