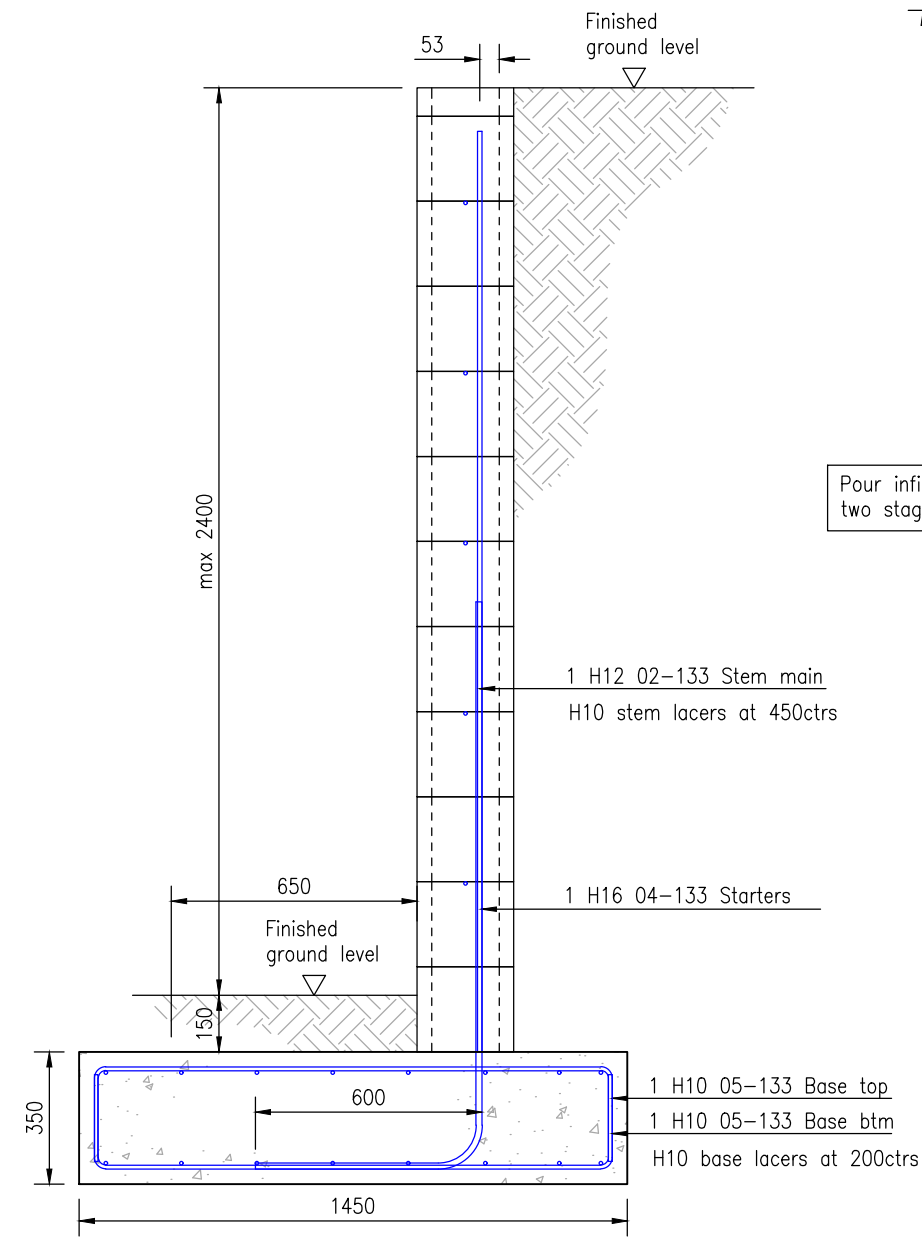
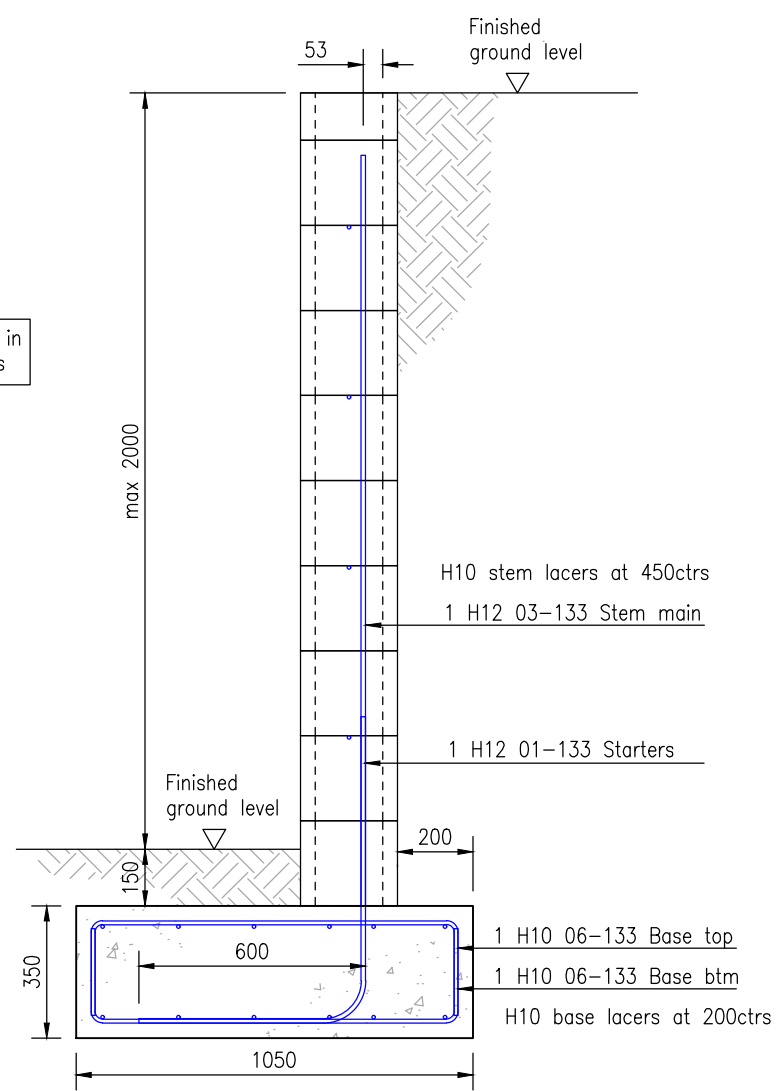


TYPICAL PLAN SECTION
1:10



STEPOC RETAINING WALL UP TO 2.4m
1:20



STEPOC RETAINING WALL UP TO 2.0m
1:20

General Notes

- All dimensions to be checked on site prior to starting works or fabrication. Any dimensional discrepancies are to be reported to JJO before affected work proceeds.
- Figured dimensions should be used only and scaling from drawings is not permitted.
- Any grid lines, building lines, etc. are to be set out in accordance with the relevant architects plan.
- Dimensions marked * are subject to confirmation by site measurement before construction commences.
- This drawing is to be read in conjunction with all other relevant Engineer's, Architect's and Specialist's drawings and specifications.
- All fire protection, damp-proofing, thermal and sound insulation, detailing to account for shrinkage, and finishes to be in accordance with Architect's specification.
- The Contractor (or Client) is to ensure that all work is carried out in accordance with current health and safety regulations. The Contractor is also required to check whether this is a CDM 2015 notifiable project.
- Temporary support to be provided during works by the Contractor (as required). If in doubt, seek further advice.
- Refer to Manufacturer's information with regards to installation and preparation of specialist products.
- All work to comply with the Building Regulations, the NHBC Technical Standards, and all relevant British Standards and Codes of Practice. All workmanship on site to be carried out in accordance with the relevant parts of BS 800 (latest revision).

Concrete

- Reinforcement high yield to BS 4449 and bent to BS 8666.

Reinforced Masonry Retaining Wall

- All blockwork to be proprietary Stepoc 256 blocks with compressive strength of 18 N/mm². Vertical movement joints to be provided at maximum 20m centres as to supplier detail.
- Infill concrete to be minimum grade C32/40 specification with a slump of no less than 150mm and maximum aggregate size of 10mm. All covers minimum 40mm.
- Foundation concrete to be grade GEN3 with a minimum cement content of 220 kg/m³. Maximum aggregate size to be 20mm. Concrete compacted into position using immersion vibrating poker.
- Backfill to be free draining granular material to within 150mm of finished ground level. Granular particle size to be graded between 5-40mm diameter.
- 50mm diameter weepholes provided at 0.9m centres to prevent build up of hydraulic pressure. Alternatively, a perforated land drain in suitable filter material can be provided, laid to a fall.
- All new retaining structures do not include any damp-proofing detail. It is assumed that the Architect or suitably qualified Contractor will provide this detail.
- Assumed safe bearing pressure: 100 kN/m²
- Assumed soil properties:
 $\gamma_{soil} = 18 \text{ kN/m}^3$
 $\phi = 30^\circ$
 $K_a = 0.33$
 Surcharge = 2.0 kN/m²

PRELIMINARY

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Job title Overjordan	Drawing title Retaining Wall Details	Architect	Client Liz Webster	Drawing no. 21/7646-02	by JC	date 13/09/21		
					chkd. JJO	scale As Shown at A3	Rev	Date
							Revision details	