

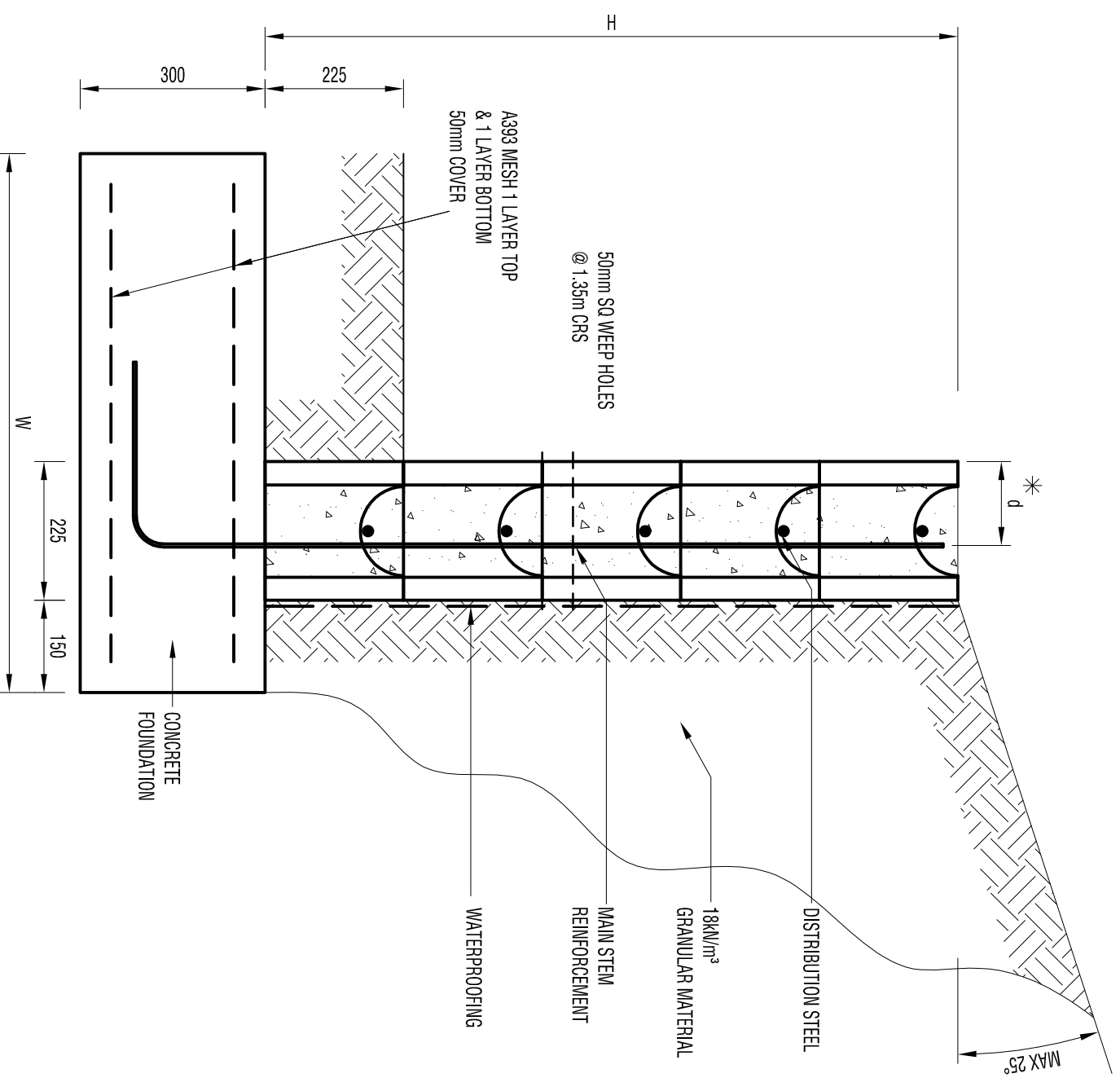
TYPICAL SECTION 1
SCALE 1:10

BETALOC RETAINING WALL NOTES

1. CONCRETE INFILL TO POCKETS TO BE DESIGN STRENGTH CLASS C25 /30 IN ACCORDANCE WITH THE REQUIREMENTS OF BS 8500 USING 10mm MAX AGGREGATE, MCC300 kg/m³ OPC AND FREE W/C RATIO 0.55.
2. HOLLOW BLOCKS FILLED WITH CONCRETE AS WORK PROCEEDS. THE CONCRETE SHALL BE PLACED BY HAND TAMPING IN LIFTS NOT EXCEEDING 900mm WITH AN ELAPSE TIME OF 24 HOURS BETWEEN LIFTS. A MINIMUM OF 14 DAYS SHALL ELAPSE AFTER THE CONSTRUCTION BEFORE BACKFILLING BEHIND THE WALL.
3. BACKFILL TO REAR OF WALL WITH WELL GRADED GRANULAR MATERIAL, CONSOLIDATED IN LAYERS NOT MORE THAN 150mm THICK USING A WHACKER PLATE COMPACTOR.
4. REINFORCEMENT STEEL SHALL BE HIGH YIELD DEFORMED TYPE 2 BARS CONFORMING TO BS 4449 MOVEMENT JOINT CENTRES GENERALLY 6.3m MAXIMUM
5. CONCRETE FOUNDATION TO BE DESIGN STRENGTH CLASS C28 /35 IN ACCORDANCE WITH REQUIREMENTS OF BS 8500 USING 20mm MAX AGGREGATE, MCC 300kg/m³ AND FREE W/C RATIO 0.60. IF SULLPHATES GREATER THAN AEC CLASS AC-1 ARE PRESENT IN THE GROUND CONSULT POUNDFIELD PRODUCTS FOR TECHNICAL ADVICE.
6. CONCRETE FOUNDATIONS SHOWN ARE TO BE FOUNDED ON AN APPROVED FORMATION HAVING A SAFE BEARING CAPACITY OF NOT LESS THAN 100kN/m² FOR GROUND BEARING CAPACITY OF LESS THAN 100kN/m² REFER TO POUNDFIELD PRODUCTS FOR TECHNICAL ADVICE.

(H) MAX	WIDTH	MAIN STEM REINFT.
675	600	H10 BARS @ 450CRS
900	750	H10 BARS @ 450CRS
1350	900	H10 BARS @ 225CRS
1575	1050	H10 BARS @ 225CRS
1800	1200	H12 BARS @ 225CRS
2025	1350	H16 BARS @ 225CRS *

* NOTE: d = 135mm MINIMUM



TYPICAL SECTION 2
SCALE 1:10

(H) MAX	WIDTH	MAIN STEM REINFT.
675	600	H10 BARS @ 450CRS
900	750	H10 BARS @ 450CRS
1350	1050	H10 BARS @ 225CRS
1575	1250	H12 BARS @ 225CRS
1800	1450	H16 BARS @ 225CRS *

* NOTE: d = 135mm MINIMUM