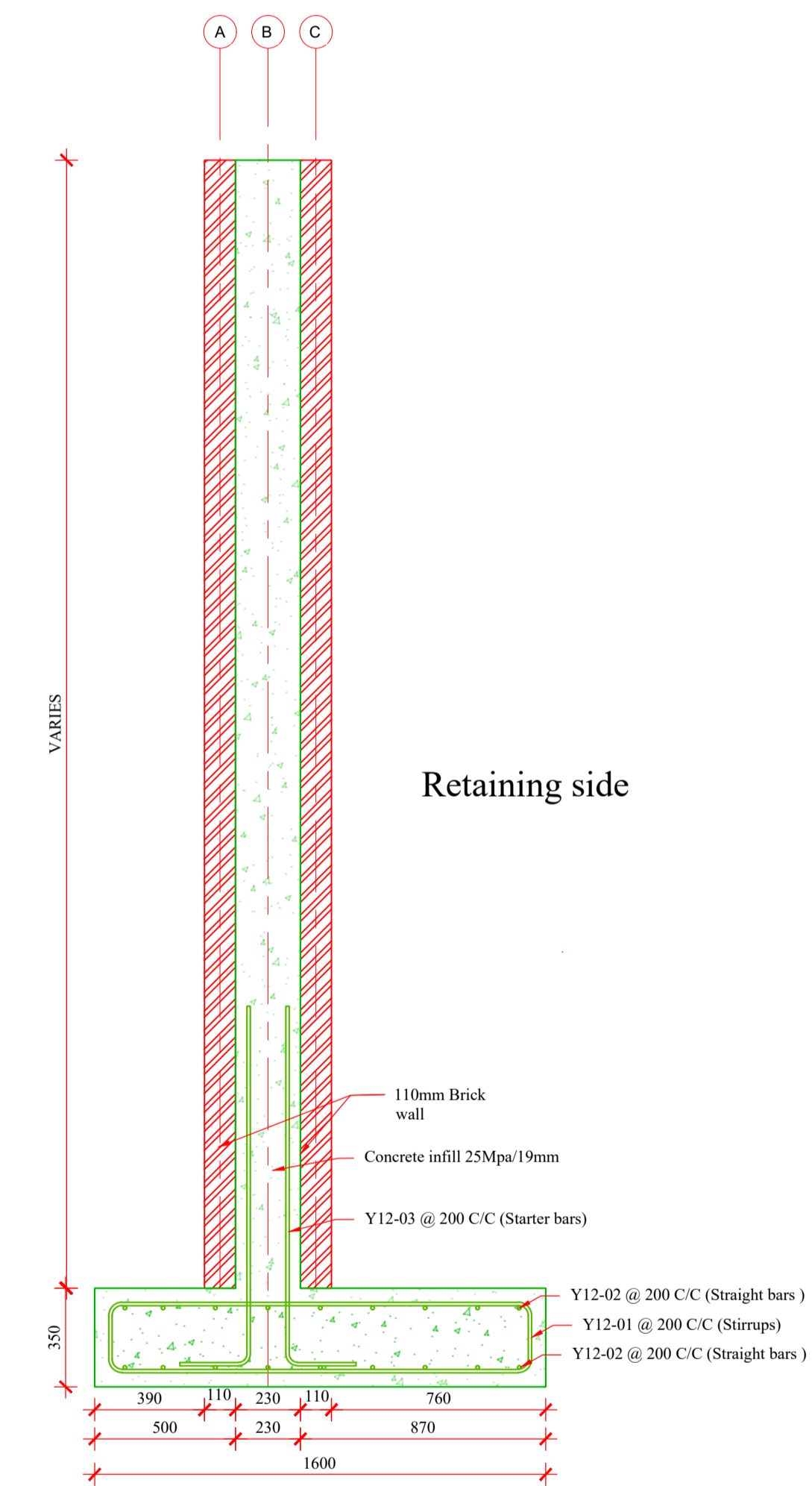


PLAN VIEW OF RETAINING WALL
SCALE 1:200

Location	MK	Size Type	No. of Member	No. in each	Total No.	Length	Shape Code	A	B	C	D	E/r	F
Retaining Wall	01	Y12	1	581	581	3700	60	1500	250				
	02	Y12		378	378	6500	20	6500					
	03	Y12		1162	1162	1500	37	250	1250				
Total Reinforcing												5 639 kg	

BENDING SCHEDULE



TYPICAL SECTION THROUGH THE RETAINING WALL
SCALE 1:20

General Notes:

- All dimensions and levels are to be checked on site and where applicable to match the existing structure.
- Any discrepancies or contradictions on the drawings are to immediately be reported to the Engineer.
- All dimensions are in millimeters. Drawings are not to be scaled.
- All dimensions shown on the drawings are to be set out on site on the horizontal plane.
- A complete set of drawings to be available on site at all times.
- The contractor is responsible for the correct setting out on site and to ensure that the setting out details are in accordance with the drawings.
- All drawings are to be read in conjunction with the architect's details and drawings.
- The contractor is responsible for checking that the reinforcement is fixed and maintained in the correct position before and during the casting of concrete.
- Finished structure is to comply with the latest amendments of SANS 10400.
- No concrete may be cast without the approval from the Engineer and a minimum of 48 hours' notice is to be given to the Engineer prior to an inspection on site.
- All reinforcing steel to comply with SANS 0920 as follows:
 - R - Plain round mild steel bars of strength 250MPa.
 - Y - High yield deformed steel bars of strength 450MPa.
- All reinforcing steel is to be bent in accordance with SANS 282:2004.
- Symbols:
 - T - Top
 - M - Middle
 - B - Bottom
 - EW - Each way
- Minimum spacing to reinforcing steel bars are as follows:
 - Y10 - 400mm
 - Y12 - 480mm
 - Y16 - 640mm
 - Y20 - 800mm
- Minimum cover to reinforcing steel bars unless otherwise stated on drawings are as follows:
 - Column bases - 75mm
 - Columns - 40mm
 - Strip foundations - 50mm
 - Raft foundations - 40mm
 - Staircases - 40mm
 - Walls - 40mm
- All concrete to be 25/19 MPa unless otherwise stated on drawings. Contractor to provide Engineer with test results for 3 x test cubes. All concrete to be vibrated when placed on site.
- Concrete to be cured on site by daily watering for a period of seven (7) days.
- All concrete works supporting brickwork to be cured for a minimum of three (3) days prior to any construction of brickwork commencing.
- Minimum compressive strength of bricks shall be 7Mpa in accordance with SANS 10400 unless otherwise stated on the drawings.
- Clay bricks to be thoroughly wetted before use.
- A slip joint comprising of 2 by layers 3 ply method must be provided between all loadbearing brickwork and the concrete structure.
- A 10mm soft joint must be provided between all non loadbearing brickwork and the concrete structure.
- The specification for fill material to be as follows:
 - Contain no organic material.
 - Contain no stone with a dimension of larger than two thirds of the layer being compacted.
 - A PI of not exceeding 10 and a CBR of at least 15% at 93% MOD A.A.S.H.T.O. and be capable of being compacted to 98% MOD A.A.S.H.T.O.
 - Max slump for all concrete to be 75mm unless otherwise stated on drawing.
 - Swell at 100% MOD A.A.S.H.T.O shall not exceed 1.5%.
 - A sample of fill material together with test results to be provided to Engineer prior to construction.

Removal of formwork & supports from concrete:	Days:
Beam sides	2
Deck plates - props left under	7
Beam soffits - props left under	12
Removal of slab props	17
Removal of beam props	21

NB: The above does not include any adjustment for loading (excluding normal loading) being applied above the structural element.

- ALL STRAIGHT BARS (SHAPE CODE 20 BAR MARK 02) TO BE CUT ON SITE TO SUIT FOUNDATION STEPS .
- FOUNDATION STEPS TO LAP BY A MINIMUM LENGTH OF 1000mm .

Revision Details

No.	Date	Description	By

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FOR CONSTRUCTION

Client: REDLINE GROUP	Designed: N Weyer	Scale: As Shown
Project: NAHOON VALLEY DEVELOPMENT	Drawn: C Freeman	Size: A1
Checked: W Nel	Date: 27 May 2022	Revision: CO
Drawing Title: FRONT BOUNDARY RETAINING WALL FOOTING DETAILS	Drawing No.: S222150-RWL-01	