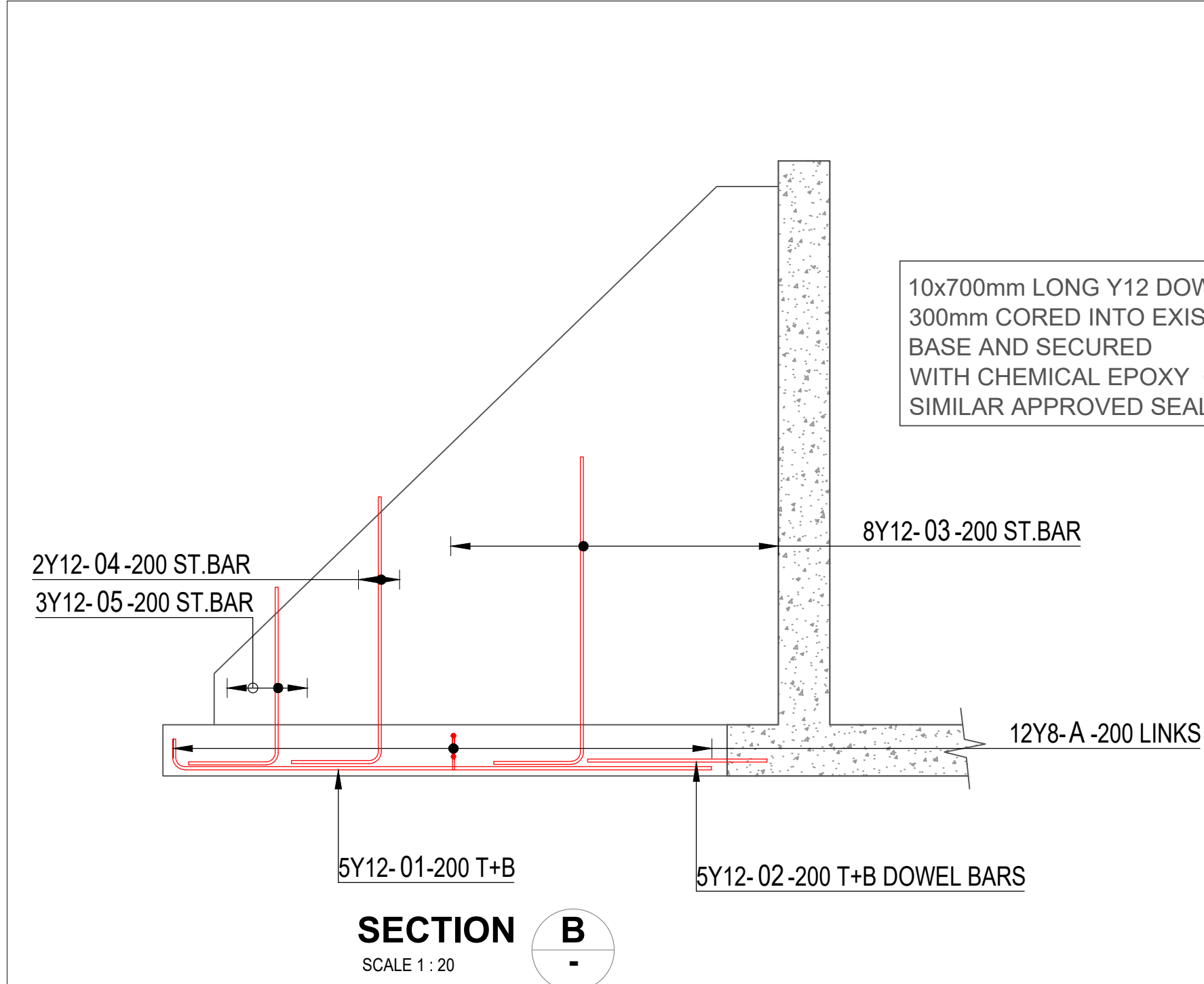




REBAR PLAN LAYOUT No6
SCALE 1:20

MEMBER	NO OF	NO BARS	DIA	CUT LENGTH	TOTAL	BAR MARK	SC	A	B	C	D	E/R	kg
RETAINING WALL	6	10	Y12	2200	60	01	37	120	[2100]				117
	6	10	Y12	700	60	02	20	[700]					37
	6	8	Y12	1550	48	03	37	350	[1200]				66
	6	2	Y12	1350	12	04	37	350	[1040]				14
	6	3	Y12	1000	18	05	37	350	[690]				16
	6	24	Y8	1550	144	A	60	620	90				88
	6	8	10	12	16	20	25	32	40	TOTAL			
R													
Y		88		251									339
TOTAL		88		251									339

1. GENERAL

1.1 CONCRETE GRADE:

BLINDING LAYER = 15MPa/19mm
STRUCTURAL CONCRETE = 30MPa/19mm

1.2 MINIMUM COVER TO REINFORCING = RC FOUNDATION 50mm
RC WALLS 50mm

1.3 SPACER BLOCKS MUST BE MANUFACTURED FROM CONCRETE WITH A STRENGTH AT LEAST EQUAL TO THE CONCRETE IN WHICH THEY WILL BE USED

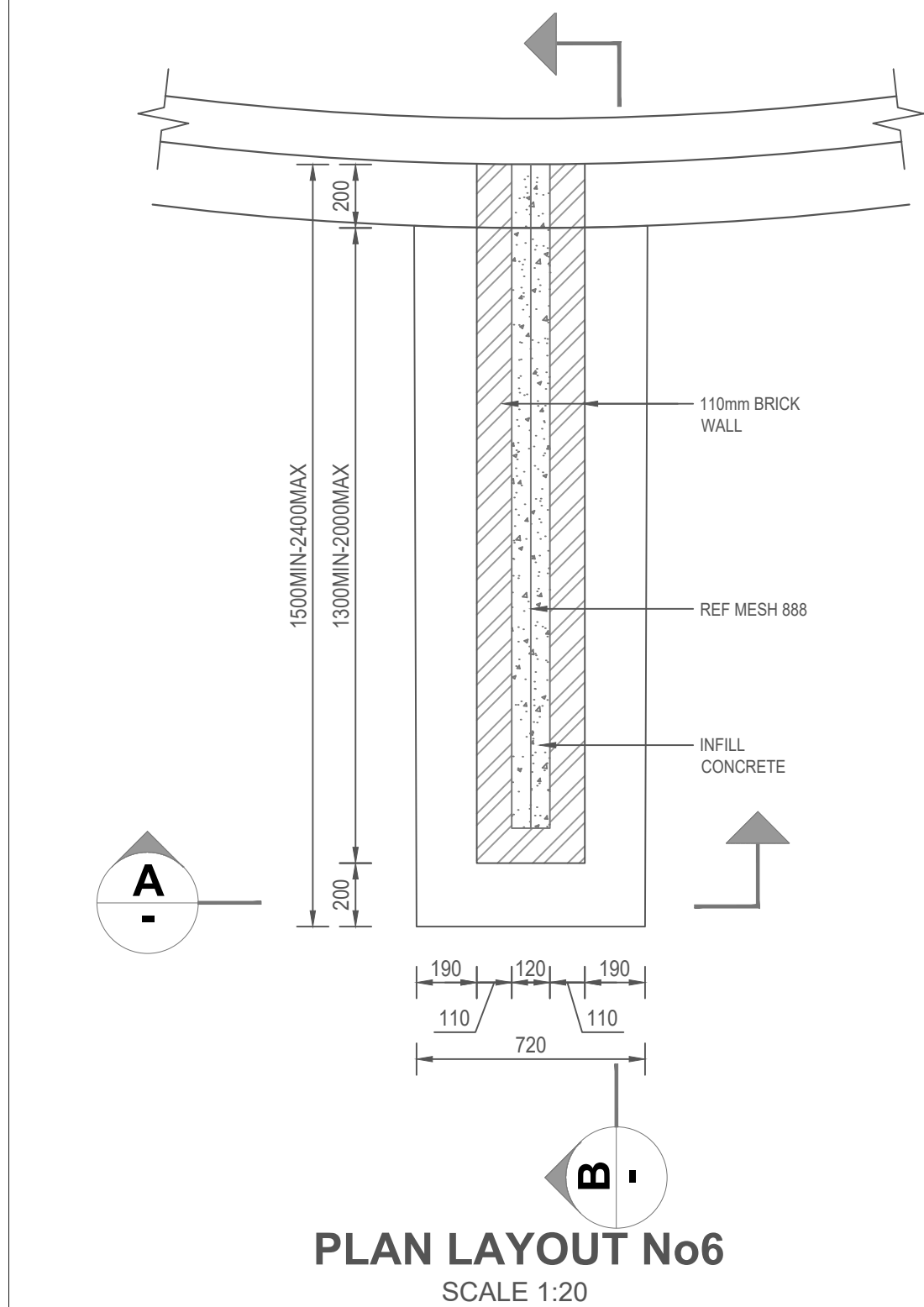
1.4 ALL REINFORCING MUST BE INSPECTED BY THE ENGINEER PRIOR TO CASTING. THE ENGINEER MUST BE INFORMED OF A CAST AT LEAST 48 HOURS IN ADVANCE.

1.5 RETAINING WALL POSITIONS TO BE PROVIDED ON SITE BY ENG.

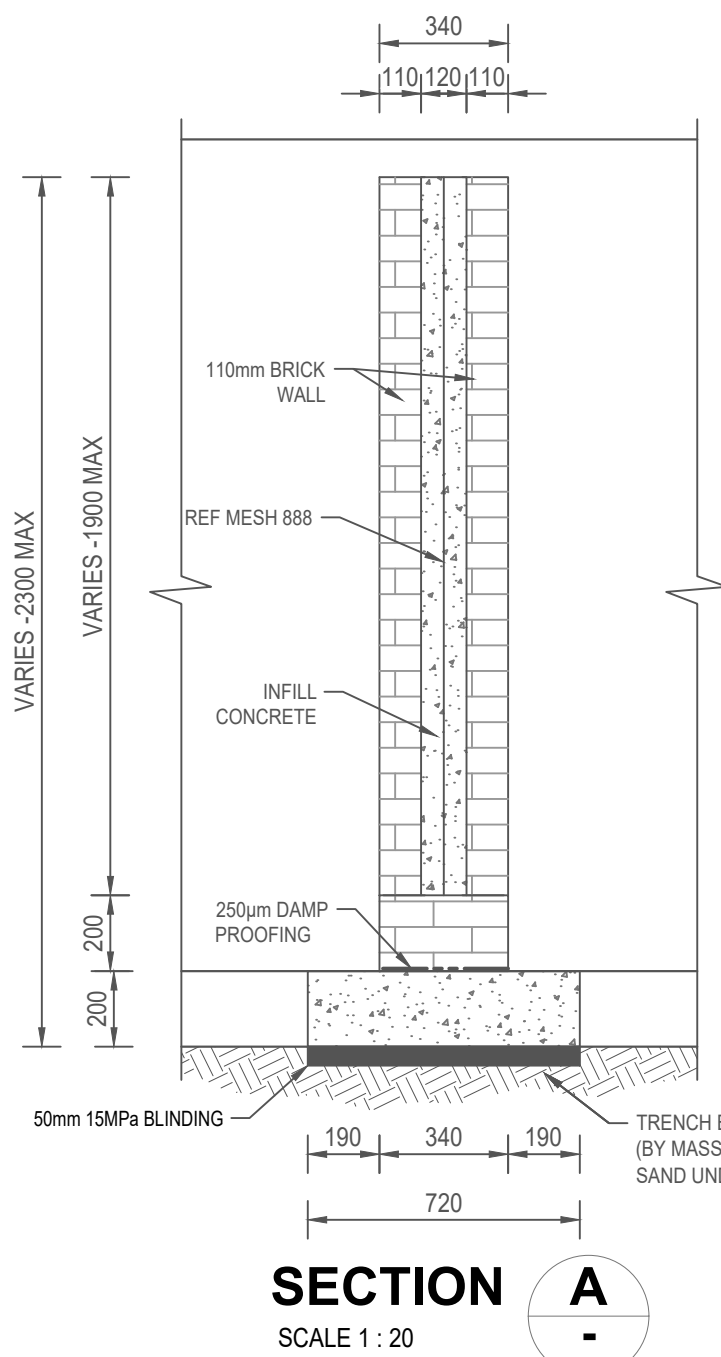
1.6 ALL CONCRETE TO BE CLASS 25MPa / 19MM U.N.O
MASS CONCRETE TO BE CLASS 15MPa / 19MM.

QUANTITIES:

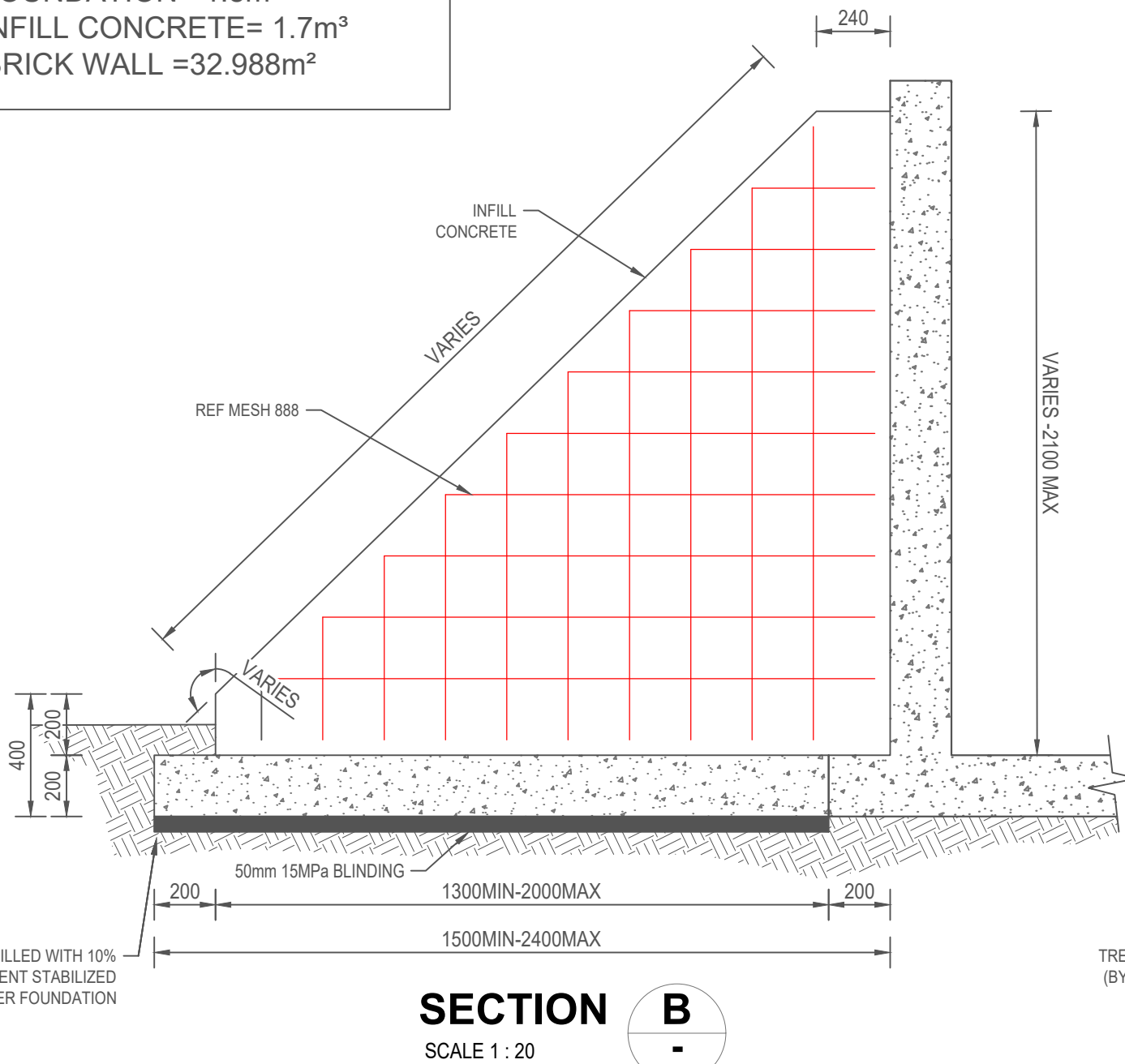
- BLINDING CONCRETE = 0.5 m³
- FOUNDATION= 1.8m³
- INFILL CONCRETE= 1.7m³
- BRICK WALL =32.988m²



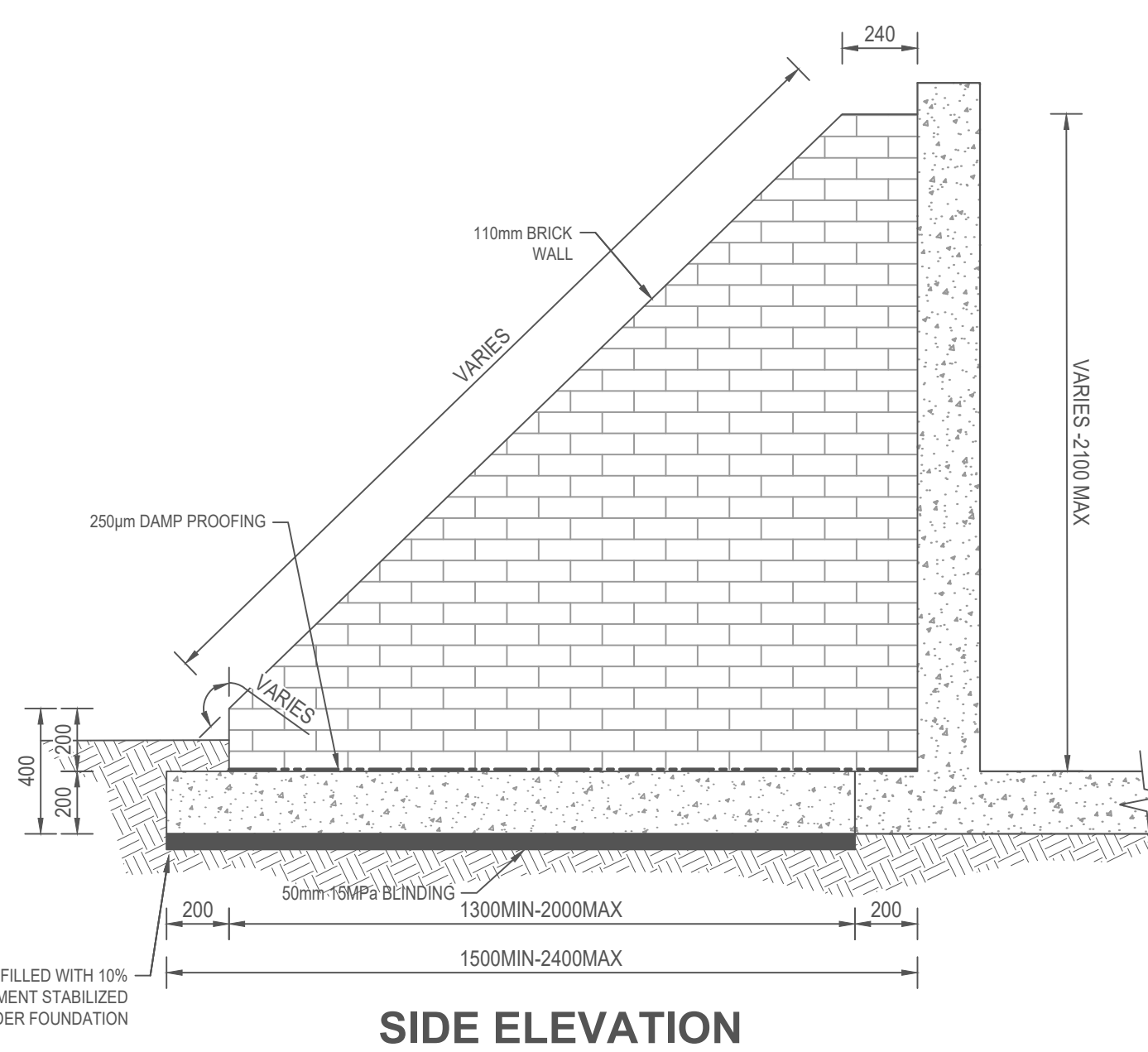
PLAN LAYOUT No6
SCALE 1:20



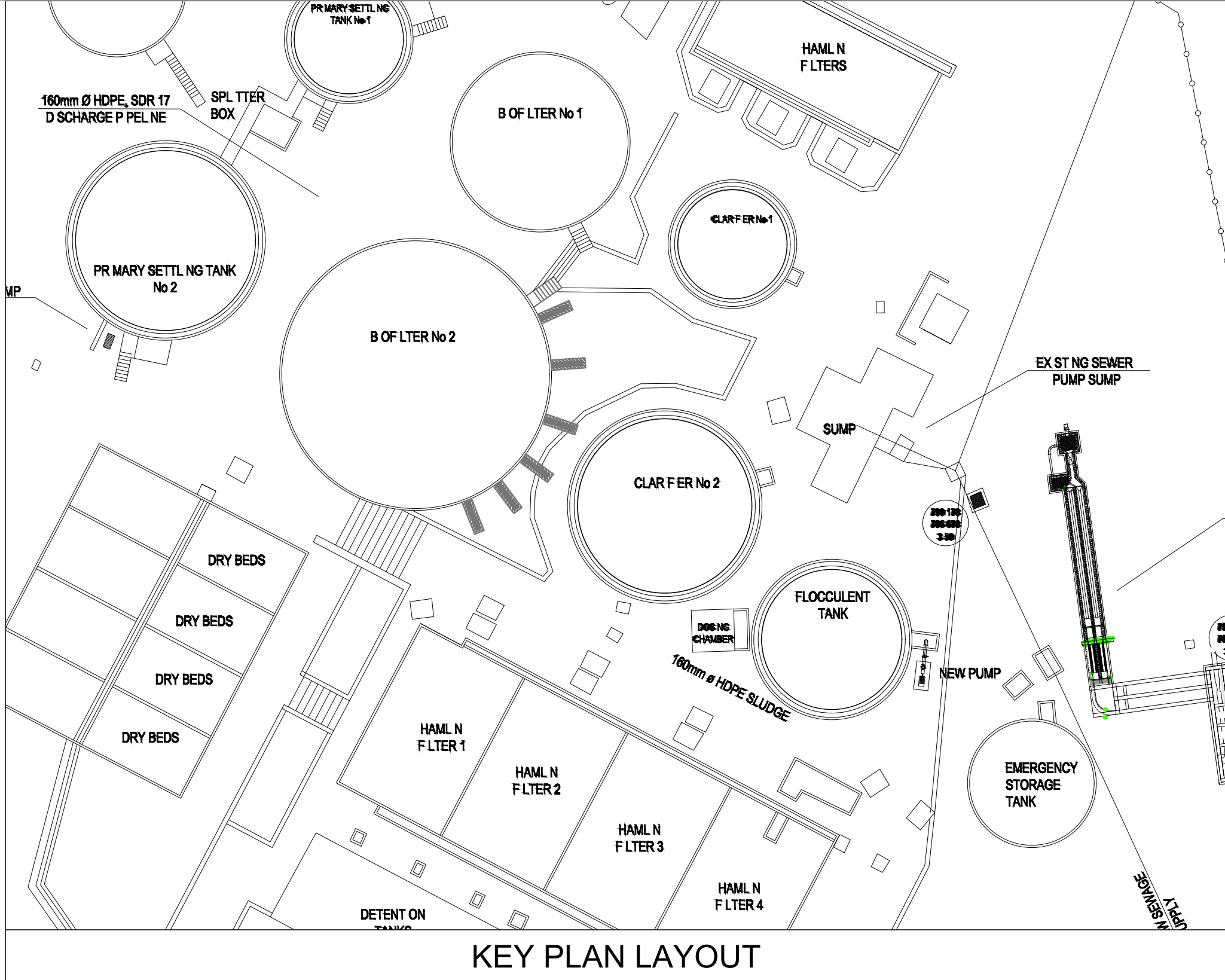
SECTION A-A
SCALE 1:20



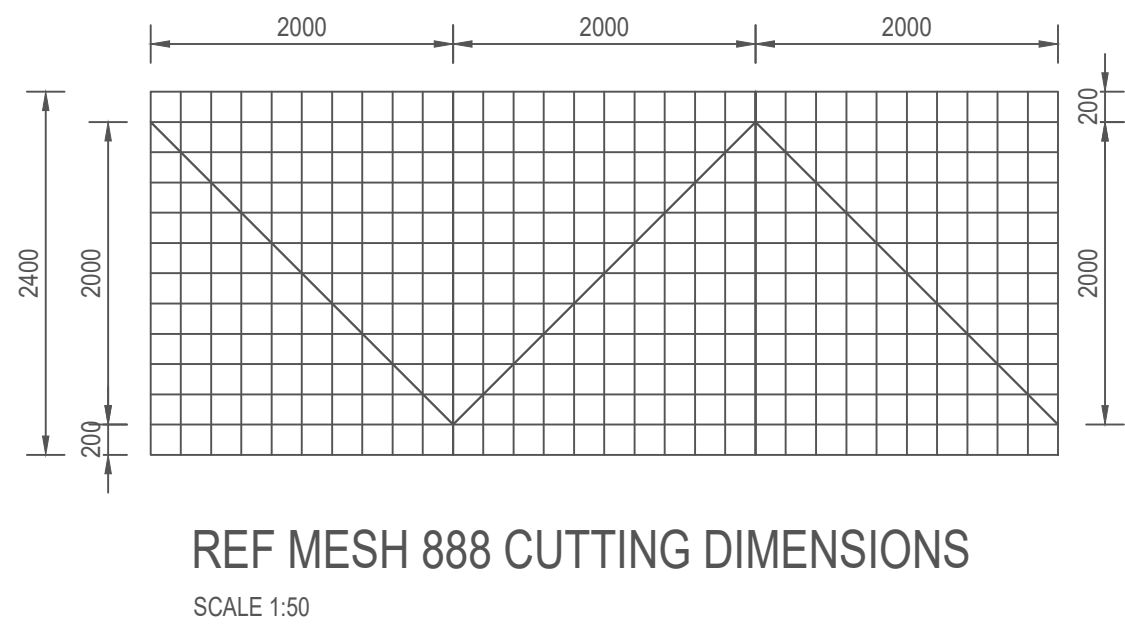
SECTION B-B
SCALE 1:20



SIDE ELEVATION



KEY PLAN LAYOUT



REF MESH 888 CUTTING DIMENSIONS
SCALE 1:50

NOTES / LEGEND

GENERAL

- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL MATERIALS AND WORKMANSHIP CONFORM WITH THE DETAILS AND SPECIFICATIONS SHOWN ON THIS DRAWING, AND ALL RELEVANT SABS SPECIFICATIONS, IRRESPECTIVE OF WHETHER THE ENGINEER HAS INSPECTED THE WORKS ON SITE OR NOT.
- ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE AND CORRELATED WITH THE ENGINEER'S DRAWINGS BEFORE CONSTRUCTION COMMENCES.
- NO SCALING WITH SCALE RULER FROM THE DRAWING IS PERMITTED. THE CONTRACTOR MUST ENSURE THAT HE GETS THE CORRECT DIMENSIONS FROM THE ENGINEER BEFORE CONSTRUCTION COMMENCES.

DRAWING NOT PRINTED TO SCALE
REDUCED FROM A1 TO A3.

ISSUE DATE:
29 May 2026

DRAWING SIZE:
A1

REVISION:
T0

PRELIMINARY

INFO ONLY

X FOR TENDER

FOR CONSTRUCTION

AS-BUILT

CLIENT PLAN NUMBER

REFERENCE DRAWINGS

NUMBER	REVISION	DRAWING DESCRIPTION

APPROVED BY COUNCIL / CLIENT

CITY ENGINEER / CLIENT

REG. NO.

DATE

AMENDMENTS CODE

A.B.C./ : BEFORE TENDER

TO : TENDER DRAWING

0.1,2... : AFTER TENDER

Z : AS BUILT

/A : BY CLIENT

/B : BY ARCHITECT

/C : BY MECHANICAL OR ELECTRICAL

/D : BY BVI

/E : BY OTHER ()

DATE

INITIAL

No./CODE

REVISION DESCRIPTION

05/12/2019

B.B.

T0/D

FOR TENDER

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MANAGEMENT

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ISO 9001
CERTIFIED

UKAS
MANAGEMENT
SYSTEMS

BBBEE Level 1

CESA
Consulting Engineers South Africa

CLIENT

NAMA-KHOI
MUNICIPALITY

PROJECT

NABABEEP WASTE WATER
TREATMENT WORKS

DRAWING TITLE

BIOFILTER No 2. No.6
RETAINING WALL LAYOUT,
SECTION AND DETAILS

APPROVED BY BVI

20150516

NOV 2015

ENGINEER/TECHNOLOGIST

REG. NO.

DATE

SCALE

AS-SHOWN

DRAWN

B. BEUKES

DESIGNED

P. Van Dyk

CHECKED

P. Van Dyk

PLAN NUMBER

REVISION NO.

DATE SAVED

35023.01-206-01

T0

26/05/2026

0:\ISO Deltex V18\30000 - 79999 Projects\35023.01 NababEEP WWTW EPC\Drawings\Drawings Tender stage\Phase 02\Jacques Jaffha\35023.01-206-01revTO-Biofilter No 2 Retaining Wall Layout, Sections and Details Phase 02.dwg 35023.01-206-01revTO-Biofilter No 2 Retaining Wall Layout, Sections and Details Phase 02.dwg