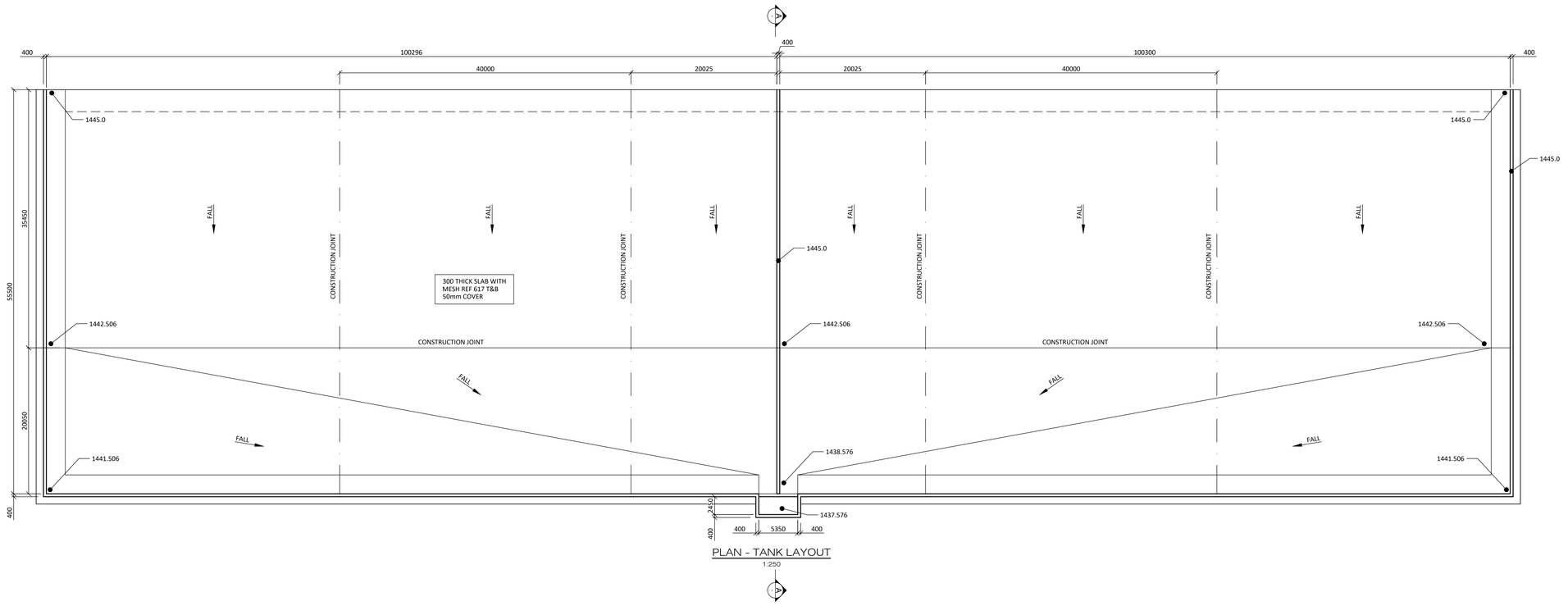


PLAN - TANK LAYOUT

1:250

GENERAL NOTES

1. ALL WORK BE IN ACCORDANCE WITH THE RELEVANT SECTIONS OF SABS 1200.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE CORRECT SETTING OUT OF THE BUILDINGS AND ALL EXTERNAL AND INTERNAL WALLS WITH PARTICULAR REFERENCE TO BOUNDARIES, BUILDING LINES AND SETTING OUT POINTS.
3. THE CONTRACTOR IS TO VERIFY ALL LEVELS, HEIGHTS AND DIMENSIONS ON SITE AND IS TO CHECK THESE AGAINST THE DRAWING BEFORE ANY WORK COMMENCES
4. THE CONTRACTOR IS TO LOCATE AND IDENTIFY EXISTING SERVICES ON THE SITE AND TO PROTECT THESE FROM DAMAGE THROUGHOUT THE DURATION OF THE CONTRACT
5. REINFORCING TO BE CHECKED BY THE ENGINEER.
6. ALL DUCTS OR RECESSES TO BE APPROVED BY THE ENGINEER.
7. POSITION OF CONSTRUCTION JOINTS TO BE APPROVED BY THE ENGINEER.
8. ALL EXPOSE CONCRETE FINISHES TO BE CLASS II AND ALL UNEXPOSED CONCRETE TO BE CLASS III ACCORDANCE WITH SABS 1200.
9. CONCRETE STRENGTHS @ 28 DAYS:

BLINDING	:	10 MPa / 19mm
BASES	:	35 MPa / 19mm
FOOTING	:	35 MPa / 19mm
SLABS	:	35 MPa / 19mm(U.N.O)
COLUMNS	:	35 MPa / 19mm(U.N.O)
SURFACE BED	:	35 MPa / 19mm
WALLS	:	35 MPa / 19mm

10. COVER TO STEEL REINFORCING:

SLABS	:	30mm
BEAMS	:	30mm
COLUMNS	:	30mm
BASES	:	40mm(U.N.O)
FOUNDATIONS / RAFTS	:	50mm
GROUND BEAMS	:	30mm

11. STRIPPING OF FORMWORK:

SLABS	:	10 DAYS
BEAMS	:	14 DAYS

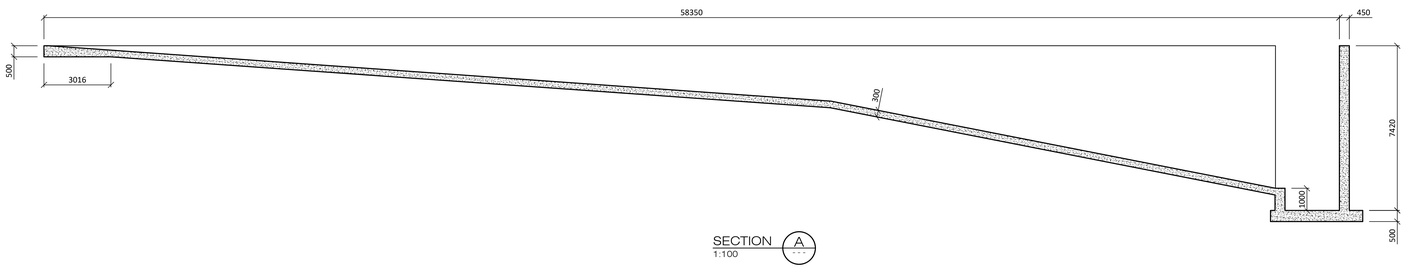
CUBE RESULTS TO BE APPROVED PRIOR TO STRIPPING OF FORMWORK.

12. ALL SHARP EXPOSED EDGES TO BE CHAMFERED 25 x 25mm.(NOT COLUMNS IN WALLS)
13. ALL WATERPROOFING TO ARCHITECTS DETAIL. UNLESS OTHERWISE NOTED

RETAINING WALLS :

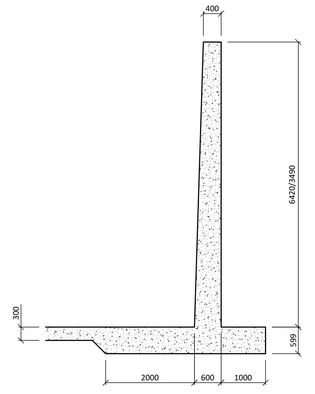
1) APPLY MAPEI 'EVOLIGHT' 4MM THICK ELASTOMERIC PLASTOMERIC WATERPROOFING MEMBRANE IN CONTINUOUS LAYERS WITH OVERLAPPING ENDS AND SEALED STRIPS AS PER MANUFACTURER'S RECOMMENDATIONS, INSTALLED BY SPECIALIST. OR SIMILAR APPROVED
2) APPLY CONTINUOUS LAYER OF DMS8 PREFORMED NODULAR HD POLYETHYLENE SHEETING TO THE WATERPROOFING AS PER MANUFACTURERS' SPECIFICATIONS OR SIMILAR APPROVED

14. GEOTECHICAL ENGINEER TO CONFIRM BEARING OF 150 kPa



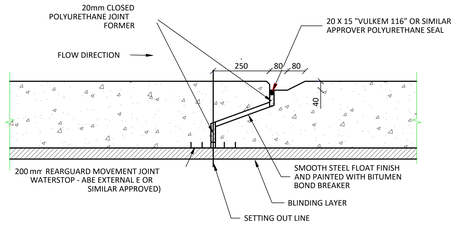
SECTION A

1:100



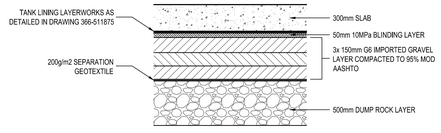
TYPICAL WALL SECTION

1:50



TYPICAL JOINT DETAIL

1:10



LAYERWORKS DETAIL

1:25

D	18/12/2023	ISSUED FOR CONSTRUCTION	KPM	BLJ	KPM			
B	22/11/2023	ISSUED FOR CLIENT REVIEW	KPM	BLJ	KPM			
A	20/11/2023	ISSUED FOR INTERNAL REVIEW	KPM	BLJ	KPM			

O/D REV	DATE	INDEX REFERENCE :	REV BY	CHKD BY	AUTH BY	KKS APP	REFERENCE DWG. No.	REFERENCE DRAWINGS

60YR ADF SCOPE LEGEND

NAME	LABEL

KKS PBS: 00UEQ01

ASH DISPOSAL FACILITY

NOTES:

COORDINATE SYSTEM : LO29 WGS-84

Sign:.....
K.M. MATULOVICH
Pr. Eng. 20190729
Date:...30-11-2023.....

ORIG ECD/TDH		–	AUTHORISED FOR TENDER BY: – DATE: –
DESIGN APPROVED	BT 11 23	KM	AUTHORISED FOR CONSTRUCTION BY: – DATE: –
KKS APP		–	
AUTH BY		–	ESKOM HOLDINGS LTD. REG. No. 2002/015527/06
CHKD BY	PG 11 23	WR	
DRAWN BY	PG 11 23	NI	
SCALE		1:75	

KUSILE POWER STATION
ASH DISPOSAL FACILITY
ROAD PCD TANK
LAYOUT & SECTION

Eskom

366-513550

SHEET 1 REV 0

SIZE GROOTTE A0L