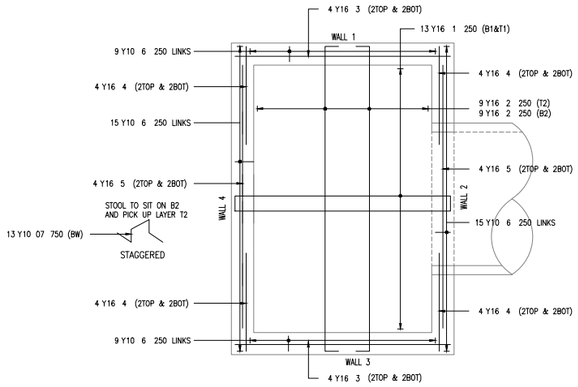
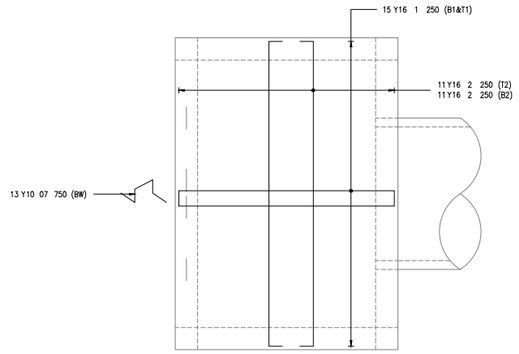
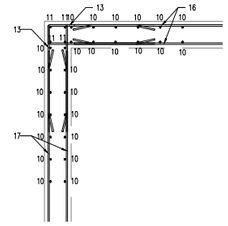


INLET CHANBER FOUNDATION LAYOUT
SCALE 1:25



ROOF LAYOUT
SCALE 1:25



TYPICAL CORNER DETAIL
SCALE 1:25

BAR MARK	BAR DIA	NUMBERS	BARS PER MEMBER	TOTAL No OFF BARS	BAR CUT LENGTH	CODE	A	B	C	D	E/R	R C V
1	Y16	1	28	28	5300	60	2420	170				
2	Y16	1	40	40	3650	35	3420					
3	Y16	1	8	8	2650	35	2420					
4	Y16	1	16	16	1200	34	1100					
5	Y16	1	8	8	2950	20	2950					
6	Y10	1	48	48	1100	60	170	320				
7	Y10	1	26	26	1350	83	350	190	350	350		
8	Y16	1	62	62	1150	37	300	900				
9	Y16	1	16	16	1600	37	300	1350				
10	Y16	1	12	12	1450	37	300	1200				
11	Y16	1	16	16	2050	34	1950					
12	Y16	1	31	31	1450	38	700	140	700			
13	Y16	1	26	26	2300	38	1100	170	1100			
14	Y12	1	20	20	800	60	170	170				
15	Y10	1	12	12	350	35	170					
16	Y16	1	16	16	1900	20	1900					
17	Y16	1	10	10	2900	20	2900					
18	Y16	1	12	12	1900	38	900	170	900			
19	Y16	1	6	6	1700	38	800	170	800			
20	Y16	2	4	8	1150	60	370	140				
21	Y16	1	6	6	900	60	250	140				
22	Y16	1	8	8	2000	20	2000					
23	Y16	1	6	6	3650	38	1800	140	1800			
24	Y16	1	2	2	1300	60	450	140				

DIA	6	8	10	12	16	20	25	32	40	TOTAL
Y kg	0	0	57	14	1196	0	0	0	0	1267

GENERAL NOTES:

1.1 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEER'S DRAWINGS.
1.2 ANY DISCREPANCIES & AMBIGUITIES ON THE ENGINEERS DRAWINGS TO BE REPORTED TO ENVITECH SOLUTIONS IMMEDIATELY.
1.3 LEVELS AND DIMENSIONS TO BE CHECKED BEFORE ANY WORK COMMENCES. DIMENSIONS MUST NOT BE SCALED.

FOUNDATIONS NOTES:

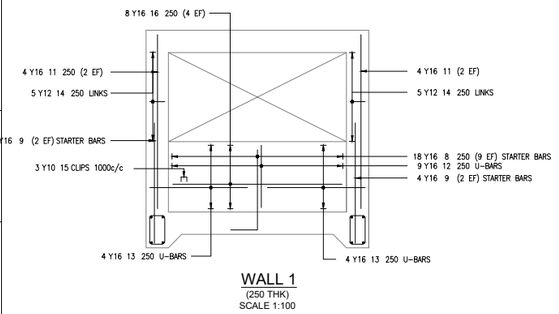
2.1 ALL FOUNDATIONS TO BE BUILT ON FIRM IN-SITU SOIL (NOT ON FILL).
2.2 THE FOUNDATION DESIGN IS BASED ON A GROUND BEARING CAPACITY OF 150 KPa
2.3 BACK FILL MATERIAL TO BE APPROVED BY ENGINEER AND TO BE COMPACTED IN LAYERS NOT EXCEEDING 150mm TO 95% Mod AASHTO.
2.4 EXCAVATIONS FOR FOUNDATIONS TO BE APPROVED BY THE ENGINEER BEFORE CONCRETE IS CAST.

CONCRETE NOTES:

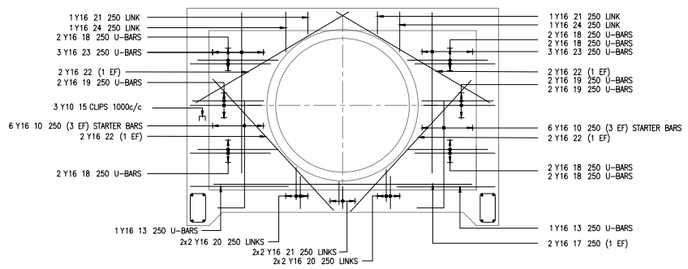
3.1 ALL CONCRETE WORK TO BE IN ACCORDANCE WITH SABS 1200 G.
3.2 CONCRETE STRENGTH TO BE AS FOLLOWS UNLESS OTHERWISE INDICATED:
UN-REINFORCED STRIP FOOTINGS 35MPa
REINFORCED STRIP FOOTINGS 35MPa
RC BASES 35MPa
SURFACE BEDS 35MPa
RC SLABS, BEAMS, STAIRS 35MPa
RC COLUMNS 35MPa
RC WALLS 35MPa
GROUND BEAMS 35MPa
3.3 CONCRETE FINISHES:
SURFACE BEDS ..... POWER FLOAT
SUSPENDED SLABS ..... WOOD FLOAT
COLUMNS & WALLS ..... OFF SHUTTER
BEAMS ..... OFF SHUTTER
SLAB SOFFITS ..... OFF SHUTTER
3.4 ALL CONCRETE TO BE MOIST CURED FOR MINIMUM 7 DAYS AFTER FINAL SET OF CONCRETE USING A METHOD APPROVED BY THE ENGINEER.

REINFORCEMENT NOTES:

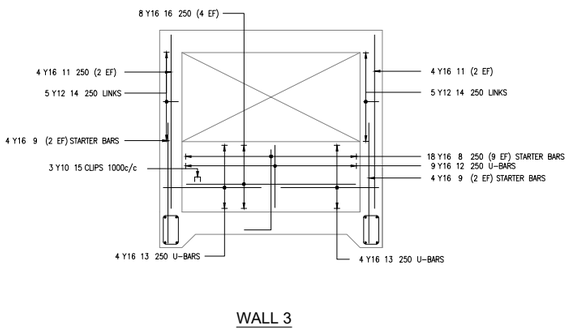
4.1 ALL REINFORCING STEEL TO BE CHECKED BY THE ENGINEER BEFORE ANY CONCRETE IS PLACED.
4.2 LAP LENGTH TO REINFORCEMENT TO BE MIN. 50x SMALLER BAR DIAMETER, UNLESS OTHERWISE NOTED.
THE ENGINEER IS TO BE NOTIFIED 24 HOURS BEFORE THE PLACING OF THE CONCRETE.
4.3 MINIMUM CONCRETE COVER TO MAIN REINFORCEMENT, UNLESS OTHERWISE INDICATED:
RC BEAMS 40mm
GROUND SLABS 40mm
RC BASES 40mm
RC COLUMNS & WALL 40mm
PILE CAPS & GROUND BEAMS 50mm
STRIP & PAD FOUNDATIONS 50mm
4.4 REINFORCING STEEL YIELD STRENGTH:
HIGH TENSILE 'Y' ..... 450 MPa
MILD STEEL 'R' ..... 250 MPa
WELDED STEEL WIRE MESH ..... 485 MPa



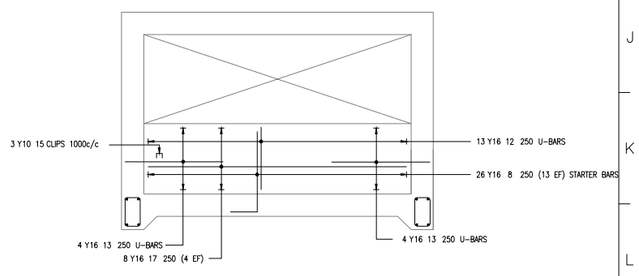
WALL 1
(250 THK)
SCALE 1:100



WALL 2
(250 THK)
SCALE 1:100



WALL 3
(250 THK)
SCALE 1:100



WALL 4
(250 THK)
SCALE 1:100

60YR ADF SCOPE LEGEND

NAME	LABEL

KKS PBS: 00UEQ01
ASH DISPOSAL FACILITY

NOTES:
COORDINATE SYSTEM : LO29 WGS-84

Sign:.....
K.P.MATULOVICH
Pr. Eng. 20190729
Date: 25-02-2024

D.O. REV	DATE	INDEX REFERENCE	REV BY	CHKD BY	AUTH BY	KKS APP	REFERENCE DWG. No.	REFERENCE DRAWINGS
0.1	23/02/2024	ISSUED FOR CONSTRUCTION	KPM	RJJ	KPM			
0	30/11/2023	ISSUED FOR CONSTRUCTION	KPM	RJJ	KPM			
B	22/11/2023	ISSUED FOR CLIENT REVIEW	KPM	RJJ	KPM			
A	20/11/2023	ISSUED FOR INTERNAL REVIEW	KPM	RJJ	KPM			

			AUTHORISED FOR ESKOM REV	DATE
DWG REGISTERED			–	–
DESIGN APPROVED	27 11 23	KM	–	–
KKS APP			AUTHORISED FOR ESKOM REV	DATE
AUTH BY			–	–
CHKD BY	22 11 23	WR		
DRAWN BY	20 11 23	NI		
SCALE	1:100			

ESKOM HOLDINGS LTD. REG. No. 2002/015527/06

KUSILE POWER STATION
ASH DISPOSAL FACILITY
ATTENUATION DAM 2
INLET CHAMBER REINFORCEMENT

366-513584

SHEET 1 REV 0.1

SIZE GROOTTE A0L

C:\Users\MollyZ\ENVITECHJHB\EnviTech Solutions PTY-LTD\Communication site - Documents\Johannesburg\Projects\ES projects\816-2023 EPCM - Eskom 40yr ADF\3. Project Stage\Design Drawings\KPM Rev 0 DWGs\366-513584 ATT DAM 2 INLET REINFORCEMENT.dwg Feb 21, 2024 - 1:53pm