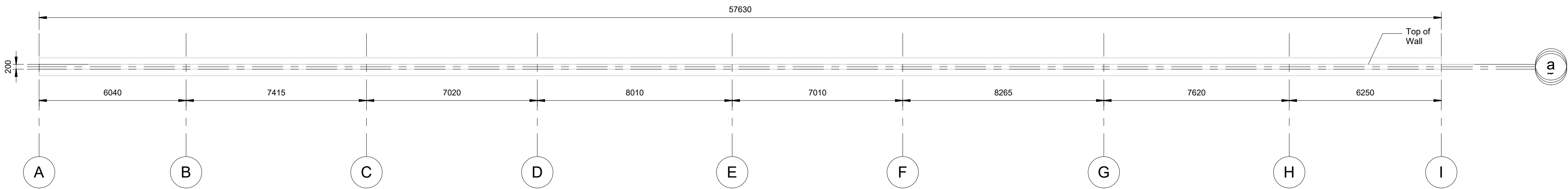


1 Ground Level
1 : 100



3 Top of Wall
1 : 100

Bending Schedule											
Bar Mark	Type and Size	Quantity	Bar Length	Total Bar Length	Shape Code	A	B	C	D	E	Bending Detail
4	Y16	289	8789 mm	2540001 mm	Rebar Shape 1	8405 mm	144 mm	320 mm	0 mm	0 mm	
4	Y16	289	8789 mm	2540035 mm	Rebar Shape 1	8405 mm	144 mm	320 mm	0 mm	0 mm	
6	Y16	40	57580 mm	2303200 mm	20	57580 mm	0 mm	0 mm	0 mm	0 mm	
6	Y16	40	57580 mm	2303200 mm	20	57580 mm	0 mm	0 mm	0 mm	0 mm	
7	Y20	289	4850 mm	1401624 mm	35	4150 mm	0 mm	0 mm	0 mm	0 mm	
7	Y20	289	4850 mm	1401624 mm	35	4150 mm	0 mm	0 mm	0 mm	0 mm	
8	Y20	22	57580 mm	1266760 mm	20	57580 mm	0 mm	0 mm	0 mm	0 mm	
8	Y20	22	57580 mm	1266760 mm	20	57580 mm	0 mm	0 mm	0 mm	0 mm	
9	Y16	117	5271 mm	616679 mm	53	776 mm	659 mm	2552 mm	656 mm	787 mm	

FOR TENDER
PURPOSES

NOTES:

A. FOUNDATION

- REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- EXCAVATE A DEPTH OF 2000MM
- USE 30MPA CONCRETE.
- PROVIDE 50MM REINFORCEMENT COVER TO SUBSTRUCTURE AND 30 MM REINFORCEMENT TO SUPERSTRUCTURE

B. CONSTRUCTION JOINTS

- PROVIDE EXPANSION JOINTS AT INTERVALS OF 6 METERS ALONG THE LENGTH OF THE RETAINING WALL.
- USE A 20 MM THICK PREFORMED BITUMINOUS EXPANSION JOINT FILLER.
- APPLY A 12 MM BEAD OF POLYURETHANE SEALANT ON BOTH FACES OF THE EXPANSION JOINT FOR WATERPROOFING.
- PROVIDE DOWELS WITH A DIAMETER OF 16 MM, SPACED AT 300 MM CENTERS. GREASE ONE END OF THE DOWELS TO ALLOW MOVEMENT.

C. WEEPHOLES

- INSTALL 50 MM DIAMETER WEEPHOLES AT 1.5-METER INTERVALS HORIZONTALLY AND 0.5 METERS ABOVE THE BASE OF THE WALL.
- PLACE GEOTEXTILE FILTER FABRIC BEHIND THE WALL, COVERING THE BACKFILL MATERIAL TO PREVENT CLOGGING OF THE DRAINAGE SYSTEM.
- PROVIDE A 150 MM THICK LAYER OF COARSE AGGREGATE (19 MM NOMINAL SIZE) BEHIND THE WALL, EXTENDING UP TO THE LEVEL OF THE WEEPHOLES.

D. OTHER

- ALL STRUCTURAL DRAWINGS TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS.
- IF IN DOUBT CONTACT THE ENGINEER FOR CLARIFICATION.



OFFICE 7, BLOCK 5 TYJGER
VALLEY OFFICE PARK 76
PONY STR. SILVERLAKES,
PRETORIA, 0082
TEL NO.: 087 012 5632

REVISIONS		DESCRIPTION OF CHANGES	BY
REV	DATE		



UMJANTSHI HOUSE
30 WOLMARANS ST
JOHANNESBURG 2000
SOUTH AFRICA
TEL NO.: 011 773 1700

DESIGNED BY:	M.ZHOU	SIGNATURE	PROJECT DESCRIPTION:
DRAWN BY:	M.ZHOU		
CHECKED BY:	L. HLUNGWANI	PROJECT LOCATION:	JOHANNESBURG PARK STATION
APPROVED BY:	C. MAKHELE		

PROJECT DESCRIPTION:		CONTRACT NO.:	HO/CRES/PARK/023/10/23	
PRASA LEYDS ENTRANCE				
PROJECT LOCATION:		DRAWING UNITS:		
JOHANNESBURG PARK STATION		MM		
TITLE:		DRAWING SCALE:		
REINFORCED CONCRETE DETAILS FOR THE WALL		AS SHOWN		
DRAWING NO.:		HEG-PRASA-SE-001		
REVISION NO:		<0>		