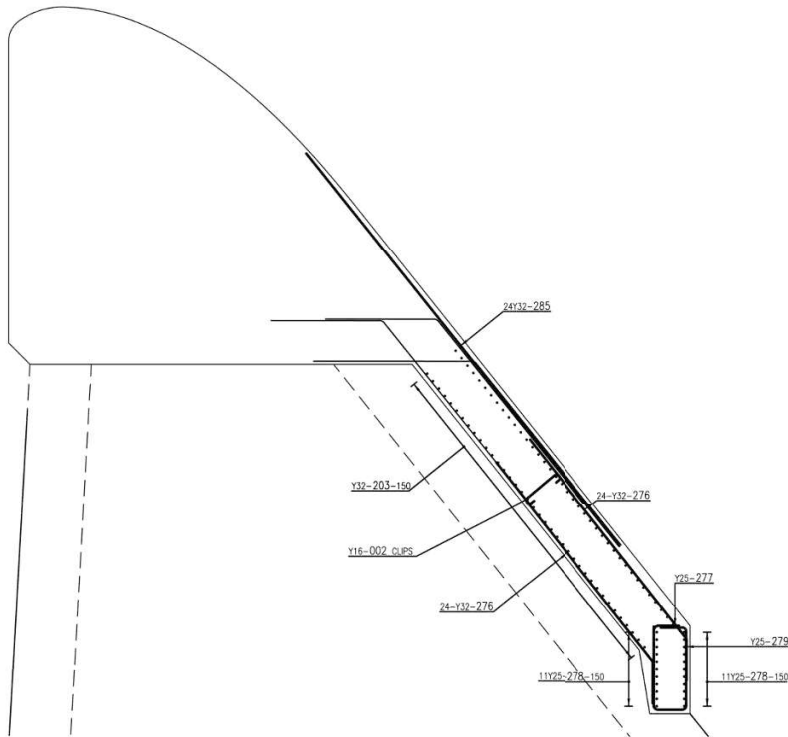
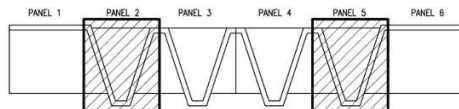




SECTION D-D
SCALE 1:50



KEY PLAN
SCALE 1:500

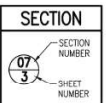
SCALE 1:50



MEMBER	NO OF	NO BARS	DIA	CUT LENGTH	TOTAL	BAR MARK	SC	A	B	C	D	E/R
PHASE 3	2	58	Y16	1250	100	302	33	84.8				
	2	58	Y16	1550	100	303	33	175.0				
	2	16	Y25	200	38	271	20	171.0				
	2	2	Y25	11550	4	271A	20	11554.0				
	2	2	Y25	11100	4	271B	20	11100.0				
	2	2	Y25	10700	4	271C	20	10665.0				
	2	2	Y25	10250	4	271D	20	10225.0				
	2	2	Y25	9800	4	271E	20	9790.0				
	2	2	Y25	9350	4	271F	20	9350.0				
	2	2	Y25	8900	4	271G	20	8895.0				
	2	2	Y25	8500	4	271H	20	8475.0				
	2	2	Y25	8050	4	271I	20	8048.0				
	2	2	Y25	7600	4	271J	20	7600.0				
	2	2	Y25	7200	4	271K	20	7195.0				
	2	2	Y25	6750	4	271L	20	6725.0				
	2	2	Y25	6300	4	271M	20	6290.0				
	2	2	Y25	5850	4	271N	20	5850.0				
	2	2	Y25	5400	4	271O	20	5410.0				
	2	2	Y25	5000	4	271P	20	4975.0				
	2	2	Y25	4550	4	271Q	20	4535.0				
	2	2	Y25	4100	4	271R	20	4100.0				
	2	2	Y25	3650	4	271S	20	3668.0				
	2	2	Y25	3250	4	271T	20	3225.0				
	2	2	Y25	2800	4	271U	20	2785.0				
	2	2	Y25	2350	4	271V	20	2350.0				
	2	2	Y25	1900	4	271W	20	1910.0				
	2	2	Y25	1500	4	271X	20	1475.0				
	2	2	Y25	1050	4	271Y	20	1035.0				
	2	4	Y25	3300	8	275A	38	4.00	3000	[0]		
	2	4	Y25	3400	8	275B	38	4.00	3100	[0]		
	2	4	Y25	3500	8	275C	38	4.00	3200	[0]		
	2	4	Y25	3600	8	275D	38	4.00	3300	[0]		
	2	4	Y25	3700	8	275E	38	4.00	3400	[0]		
	2	4	Y25	3800	8	275F	38	4.00	3500	[0]		
	2	4	Y25	3900	8	275G	38	4.00	3600	[0]		
	2	4	Y25	4000	8	275H	38	4.00	3700	[0]		
	2	4	Y25	4100	8	275I	38	4.00	3800	[0]		
	2	4	Y25	4200	8	275J	38	4.00	3900	[0]		
	2	4	Y25	4300	8	275K	38	4.00	4000	[0]		
	2	4	Y25	4400	8	275L	38	4.00	4100	[0]		
	2	4	Y25	4500	8	275M	38	4.00	4200	[0]		
	2	4	Y25	4600	8	275N	38	4.00	4300	[0]		
	2	4	Y25	4700	8	275O	38	4.00	4400	[0]		
	2	4	Y25	4800	8	275P	38	4.00	4500	[0]		
	2	4	Y25	4900	8	275Q	38	4.00	4600	[0]		
	2	4	Y25	5000	8	275R	38	4.00	4700	[0]		
	2	4	Y25	5100	8	275S	38	4.00	4800	[0]		
	2	96	Y32	5850	192	276	62	5030	3131	[820]		
	2	64	Y32	7600	128	277	52	5020	640	[1850]		
	2	44	Y25	5700	88	278	38	600	4410	[1600]		
	2	95	Y32	5450	190	279	37	500	[5020]			
	2	19	Y25	5250	38	283	85	1100	3842	150	[300]	
	2	24	Y32	10000	48	285	20	[10000]				

	6	8	10	12	16	20	25	32	40	TOTAL
R										
Y					442		7618	22801		30869
TOTAL					442		7618	22801		30869

- NOTES:**
- COVER TO ALL REINFORCEMENT IS 80 mm UNLESS OTHERWISE INDICATED.
 - LAP LENGTHS = 40 x #
 - ANCHORAGE LENGTHS = 50 x #
 - CONCRETE GRADE 25/19



1/2	LABYRINTH PANEL 2 & 5 PHASE 3	9368-1309	X
1/1	LIST OF DRAWINGS	9368-015	X
SHEET	DESCRIPTION	OTHER NO.	REL. NO.
LIST OF DRAWINGS			

PROVIDED BY: ARQ CONSULTING ENGINEERS		REVISION MOD. No. DATE DESCRIPTION FOR DMS 00 12/22 ISSUE FOR TENDER QS		DEPARTMENT OF WATER AND SANITATION REPUBLIC OF SOUTH AFRICA HEAD OFFICE ENGINEERING SERVICES PRIVATE BAG 3313 PRETORIA 0001 SEDIBENG BUILDING 185 FRANCIS BAARD STREET PRETORIA (012) 336-7500 D.M. MASITHISO DIRECTOR GENERAL		GROOT LETABA RIVER WATER DEVELOPMENT PROJECT (GLeWaP) TZANEEN DAM RAISING SPILLWAY RAISING - REINFORCEMENT LABYRINTH PANEL 2 AND 5 PHASE 3 REINFORCEMENT DETAILS	
M BLAESER CHECKED: DATE: DRAWN: TAVR HJ WRIGHT ENGINEER: DATE: EXT. APPROVAL / DESIGN CHECKED: DATE:		O SHIM CHIEF ENGINEER / APP (Pv. Eng) DATE: DIRECTOR (Pv. Eng) DATE:		PROVINCE: LIMPOPO DISTRICT: TZANEEN LOCALITY No: - TENDER / CONTRACT No: - SHEET 2 OF 2		APPROVED: - - - - - SHEET 2 OF 2 X 00	