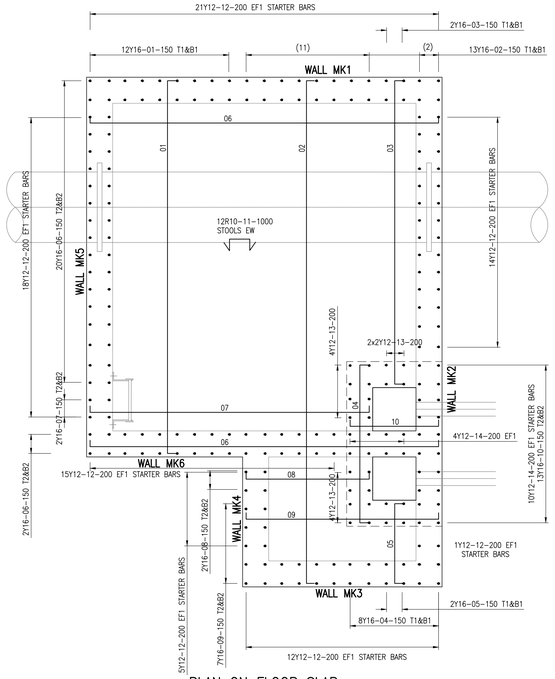
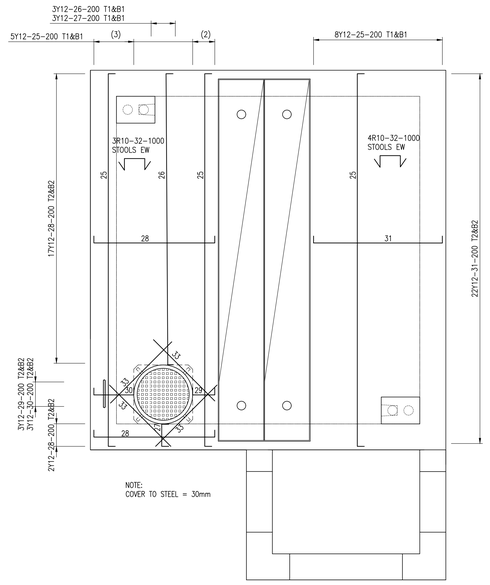


PLAN ON FLOOR SLAB

SCALE 1 : 25



PLAN ON ROOF SLAB

SCALE 1 : 25

TITLE
JOZINI REGIONAL COMMUNITY WATER SUPPLY SCHEME – PHASE 1A–2

SECTION OF WORK
OFF TAKE 2B CHAMBER REINFORCING DETAILS

SCHEDULE No. 1 SH 1 OF 2 REV. A
Ref. Drg. No. MD1993–03–102

MEMBER	No. of Mbrs	No. in each	Type and Size	Bar Mark	Total No.	Length each bar mm	Total mass kg	Shape Code	Dimensions to SABS 82 A	B	C	D	E/R
FLOOR SLAB	1	24	Y16	01	24	4480	169.9	38	130	4300	130		
	1	26	Y16	02	26	5980	245.7	38	130	5800	130		
	1	4	Y16	03	4	3680	23.3	38	130	3500	130		
	1	16	Y16	04	16	2000	50.6	38	130	1820	130		
	1	4	Y16	05	4	1100	6.9	38	130	920	130		
	1	50	Y16	06	50	4200	331.8	38	130	4020	130		
	1	4	Y16	07	4	3400	21.5	38	130	3220	130		
	1	4	Y16	08	4	1600	10.1	38	130	1420	130		
	1	14	Y16	09	14	2400	53.1	38	130	2220	130		
	1	26	Y16	10	26	1200	49.3	38	130	1020	130		
	1	12	R10	11	12	900	6.7	83	250	170	200	200	
	1	172	Y12	12	172	1570	239.8	37	600	1000			
	1	12	Y12	13	12	2150	22.8	60	220	720			
	1	28	Y12	14	28	2070	51.5	37	600	1500			
WALLS	1	83	Y12	15	83	1170	86.2	37	600	600			
	1	32	Y12	16	32	6000	169.9	38	130	5800	130		
	1	34	Y12	17	34	4220	127.4	38	130	4020	130		
	1	32	Y12	18	32	2420	68.8	38	130	2220	130		
	1	36	Y12	19	36	4500	143.9	38	130	4300	130		
	1	32	Y12	20	32	1920	54.6	38	130	1720	130		
	1	152	Y12	21	152	3550	479.2	37	130	3480			
	1	44	Y12	22	44	3030	118.4	37	130	2960			
	1	16	Y12	23	16	1200	17.0	20	1200				
	1	62	R10	24	62	400	15.3	85	100	220	60	80	

	8	10	12	16	20	25	32	40	TOT
R		–							
Y		–	–	–					
TOT		–	–	–					–

Compiled: D.H. Date 25/11/2015
Checked: S.K. Date 25/11/2015
PROJECT No. MD1993

A | 25/11/2015
Rev | Date | Approved | Date of issue

TITLE
JOZINI REGIONAL COMMUNITY WATER SUPPLY SCHEME – PHASE 1A–2

SECTION OF WORK
OFF TAKE 2B CHAMBER REINFORCING DETAILS

SCHEDULE No. 1 SH 2 OF 2 REV. A
Ref. Drg. No. MD1993–03–102

MEMBER	No. of Mbrs	No. in each	Type and Size	Bar Mark	Total No.	Length each bar mm	Total mass kg	Shape Code	Dimensions to SABS 82 A	B	C	D	E/R
ROOF SLAB	1	26	Y12	25	26	4500	103.9	38	130	4300	130		
	1	6	Y12	26	6	3550	18.9	38	130	3350	130		
	1	6	Y12	27	6	460	2.5	38	130	260	130		
	1	38	Y12	28	38	1590	53.7	38	130	1390	130		
	1	6	Y12	29	6	450	2.4	38	130	250	130		
	1	6	Y12	30	6	660	3.5	38	130	460	130		
	1	44	Y12	31	44	1680	65.6	38	130	1480	130		
	1	7	R10	32	7	750	3.2	83	250	100	200	200	
	1	8	Y12	33	8	1000	7.1	20	1000				
PRECAST SLAB	1	16	Y10	36	16	2430	24.0	38	130	2220	130		
	1	24	Y10	37	24	1630	24.1	38	130	1420	130		
	1	6	R10	38	6	700	2.6	83	250	80	200	200	
PRECAST PLANK	2	42	Y12	34	84	630	47.0	38	130	430	130		
	2	10	Y12	35	20	4280	76.0	38	130	4080	130		

	8	10	12	16	20	25	32	40	TOT
R		–							
Y		–	–	–					
TOT		–	–	–					–

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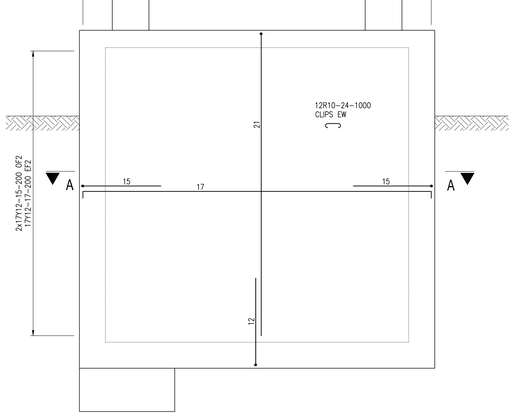
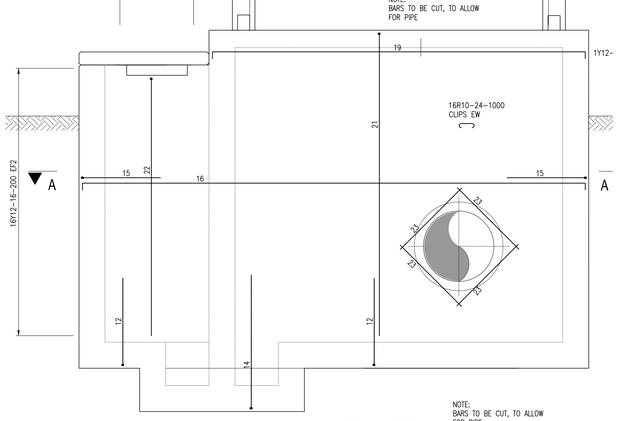


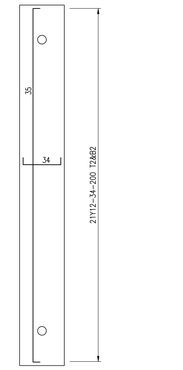
WALL MK1

SCALE 1:25



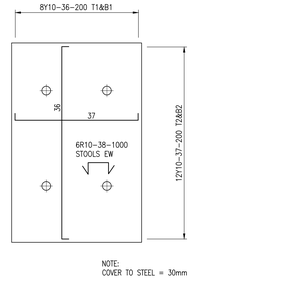
WALL MK2

SCALE 1:25



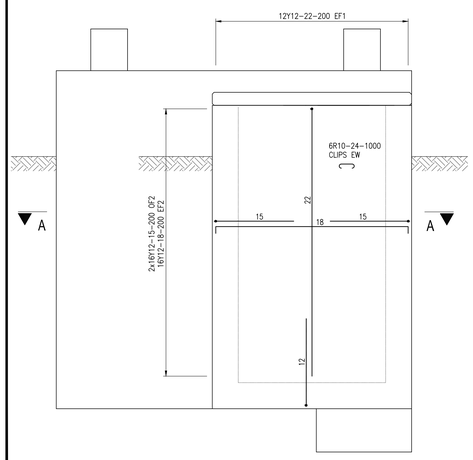
PLAN ON PRECAST
ROOF PLANK – 2 No OFF

SCALE 1 : 25



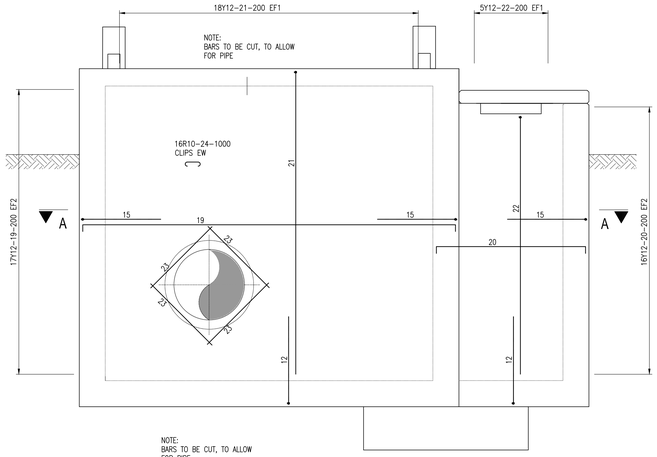
PLAN ON PRECAST ROOF SLAB

SCALE 1 : 25



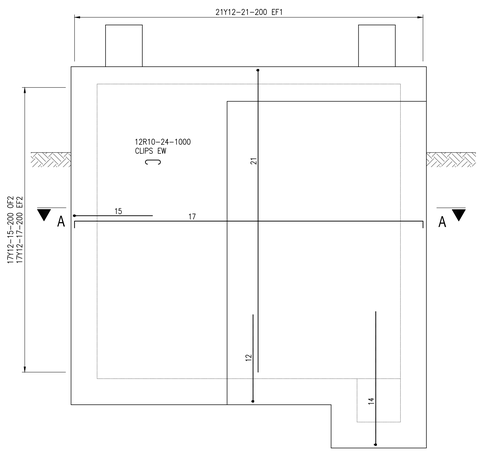
WALL MK3

SCALE 1:25



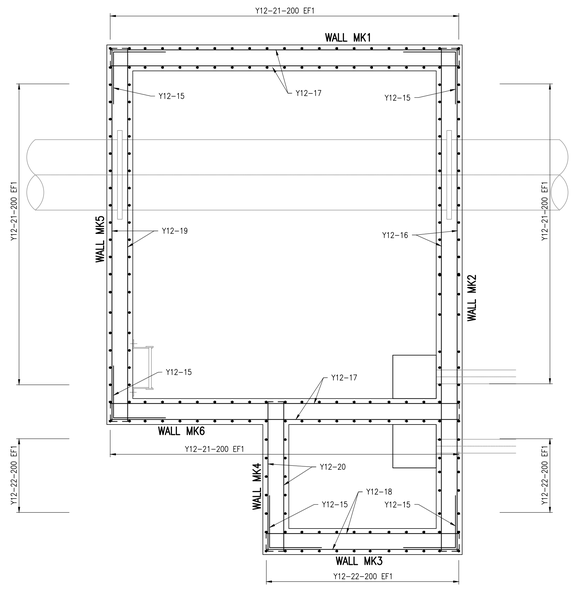
WALL MK4 & MK 5

SCALE 1:25



WALL MK6

SCALE 1:25



SECTION A–A

SCALE 1:25

DRG. No.	REFERENCE DRAWINGS
MD1993–03–001	LAYOUT PLAN
MD1993–03–061	OFF TAKE 2B DETAILS

NOTES:

PIPEWORK:

1. ALL BOLTS TO BE HOT–DIPPED GALV. TO SANS 1463.
2. ALL MILD STEEL PIPEWORK, COLLARS AND CROTCH PLATES TO BE MANUFACTURED FROM GRADE Kx2 STEEL (MINIMUM YIELD STRENGTH OF 289 MPa) AND WELDED IN ACCORDANCE WITH BS4360.
3. ALL PIPEWORK PASSING THROUGH CHAMBER WALLS TO BE WRAPPED WITH 'DENSO ULTRAFLEX', OR EQUAL APPROVED. THIS WRAPPING TO EXTEND 150mm BEYOND THE FACE OF THE WALL EACH SIDE AND 75mm INTO THE CONCRETE. (WITH MIN. 55% OVERLAPPING).
4. MINIMUM CLEARANCE BETWEEN ALL PIPEWORK AND REINFORCING STEEL TO BE 75mm
5. ALL BURIED NUTS AND BOLTS TO BE COATED WITH DENSO MASTIC, IN ACCORDANCE WITH THE PROJECT SPECIFICATION.
6. FLANGES TO BE EN 1092–1:2007 TYPE 01, TABLE 14(PN25) FOR FLANGES GREATER THAN DN600 & SANS 1123 TABLE 2500/3 FOR FLANGES DN600 OR SMALLER.
7. DIMENSIONS TO BE CONFIRMED ON SITE PRIOR TO ORDERING.

CONCRETE:

8. ALL EXPOSED EDGES TO BE CHAMFERED 20 x 20 UNLESS OTHERWISE NOTED.
9. MINIMUM COVER TO ALL REINFORCING TO BE 40mm UNLESS OTHERWISE NOTED.
10. CONCRETE GRADE:–
    BLINDING – GRADE 15/19 MPa
    BENCHING – GRADE 15/19 MPa
    SLABS & WALLS – GRADE 30/19 MPa

GENERAL:

11. ALL STEELWORK SHAL BE IN ACCORDANCE WITH SABS 0162 " THE STRUCTURAL USE OF STEEL"
12. MATERIAL SPECIFICATION LADDERS, OPENING FRAMES & COVERS AND PIPE SUPPORTS: MILD STEEL TO BS 4360 GR43.

PIPE SUPPORTS:

13. POSITION PIPE SUPPORTS AS INSTRUCTED BY ENGINEER ON SITE.

REV	DESCRIPTION	DATE	REV BY	CHK'D

DESIGNED	S.K.	
DRAWN	M.H.	
CHECKED	F.K.	

APPROVED :
PROJ. PRINCIPAL: NATHI NDLOVU
SIGNATURE :
DATE (DD/MM/YYYY):

Royal HaskoningDHV
Enhancing Society Together

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CLIENT

uMshwathi Municipality · uMngeni Municipality · Umshwathi Municipality · Mpofana Municipality

PROJECT/DRAWING TITLE

JOZINI REGIONAL COMMUNITY WATER SUPPLY SCHEME PHASE 1A–2 OFF TAKE 2B CHAMBER

REINFORCMENT DETAILS

SCALE	SHEET
AS SHOWN	1 OF 1
CONTRACT No. SCMU 005/2021/2022	PROJECT No. MD1993

DRAWING No. MD1993–03–102 REV