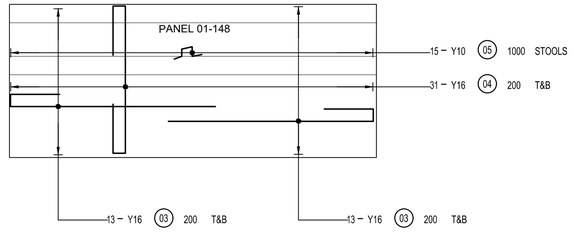
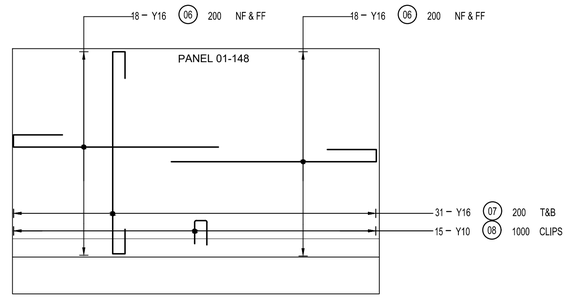


GROUND BEAM REBAR
SCALE 1:50



WALL BASE REBAR
SCALE 1:50



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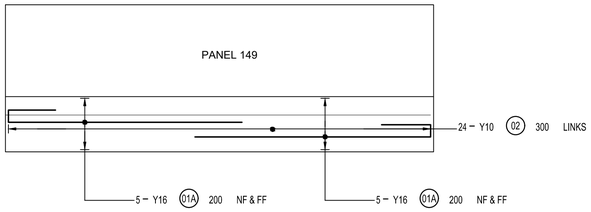
SCALE 1:50



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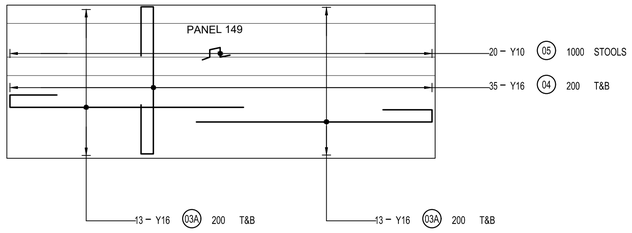
SCALE 1:50



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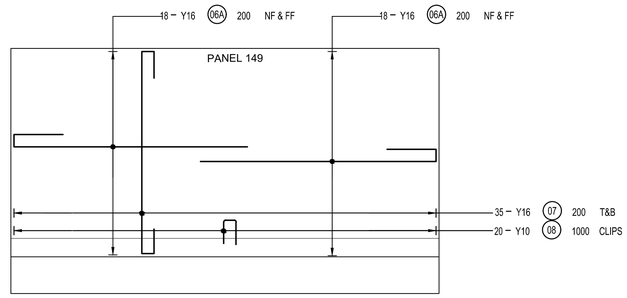

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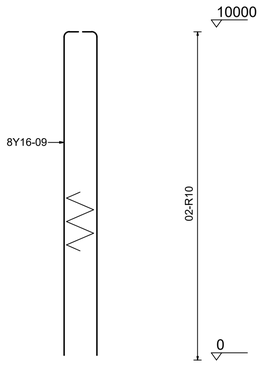
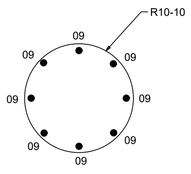
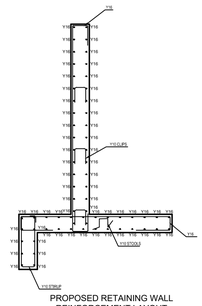


PILE REBAR LAYOUT
SCALE 1:100



PILE REBAR SECTION
SCALE 1:100



PROPOSED RETAINING WALL
REINFORCEMENT LAYOUT
SCALE 1:50

MEMBER	BAR MARK	TYPE AND SIZE	No OF	BARS PER MBR	TOTAL NO.	CUTTING LENGTH	SHAPE CODE	BENDING A	B	C	D	E/r
	01	Y16	148	20	2960	4350	38	3350	200			
	02	Y10	148	21	3108	2150	60	800	200			
	03	Y16	148	52	7696	4350	38	3350	200			
	04	Y16	148	62	9176	4400	73	2400	200	200		
	05	Y10	148	15	2220	936	38	200	168	200		
	06	Y16	148	72	10656	4350	38	3350	200			
	07	Y16	148	62	9176	4530	73	3300	200	200		
	08	Y10	148	15	1755	1368	38	600	168			
	09	Y40	149	8	1192	10200	34	9950				
	10	R10	149	5	745	3725	86	250	765	1910		
	01A	Y16	1	20	20	4845	38	3850	200			
	02	Y10	1	24	24	2150	60	800	200			
	03A	Y16	1	52	52	4845	38	3850	200			
	04	Y16	1	70	70	4400	73	2400	200	200		
	05	Y10	1	20	20	936	38	200	168	200		
	06A	Y16	1	72	72	4812	38	3810	200			
	07	Y16	1	70	70	4530	73	3300	200	200		
	08	Y10	1	20	1755	1368	38	600	168			

	8	10	12	16	20	25	32	40	TOT
R		1720578							1720578
Y		4308950		278031500				120124992	402495442
TOT		6029528		278031500				120124992	404186020

REV	DESCRIPTION	DATE
A	ISSUED FOR INFORMATION	12.02.2024

REINFORCEMENT NOTES

1. COVER TO REINFORCEMENT :-
   - a) PILECAPS & GROUND BEAMS = 50 mm
   - b) STRIP FOOTINGS & BASES = 50 mm
   - c) COLUMNS - below ground = 50 mm
   - d) COLUMNS - above ground = 30 mm
   - e) SHEAR & LIFT WALLS - below grd. = 50 mm
   - f) SHEAR & LIFT WALLS - above grd. = 30 mm
   - g) SLABS, BEAMS & STAIRCASES = 30 mm
   - h) SLABS - on the ground - Bot. = 50 mm
   - i) SLABS - on the ground - Top = 30 mm
   - j) RETAINING WALLS - earth face = 50 mm
   - k) RETAINING WALLS - front face = 30 mm
2. MINIMUM LAP LENGTH FOR REBAR TO BE :-
   - Y10 - 500mm
   - Y12 - 600mm
   - Y16 - 800mm
   - Y20 - 800mm

REINFORCING PLACEMENT LEGEND:

T - TOP
B - BOTTTOM

REINFORCING NOTATION:

10Y12/ 001 - 250 T1

- BAR PLACEMENT
- CENTRES
- BAR MARK
- BAR TYPE AND DIAMETER
- NUMBER OF BARS

Rev.	Amendment	App.	Date
B	NOTES ADDED	XD	2026.09.02
A	ISSUED FOR INFORMATION	VG	2024.07.12

Approval		
	Approved by	F KAMBA
	Date	2024.07.12
	Prof Reg No.	20120315
	Signature	

Client

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Project

FLOOD MITIGATION STRUCTURE AT TRANSNET ENGINEERING DURBAN MAIN CENTRE

Description

FLOOD MITIGATION WALL REINFORCEMENT LAYOUTS AND SECTION

Owner:	Designed by	X DUBAZANE
	Drawn by	J MKHIZE
Date :	Checked by	F KAMBA
Scale: AS SHOWN	Drawing No.	TE-RET-001-301
Date: SEP. 2026	Rev.	B