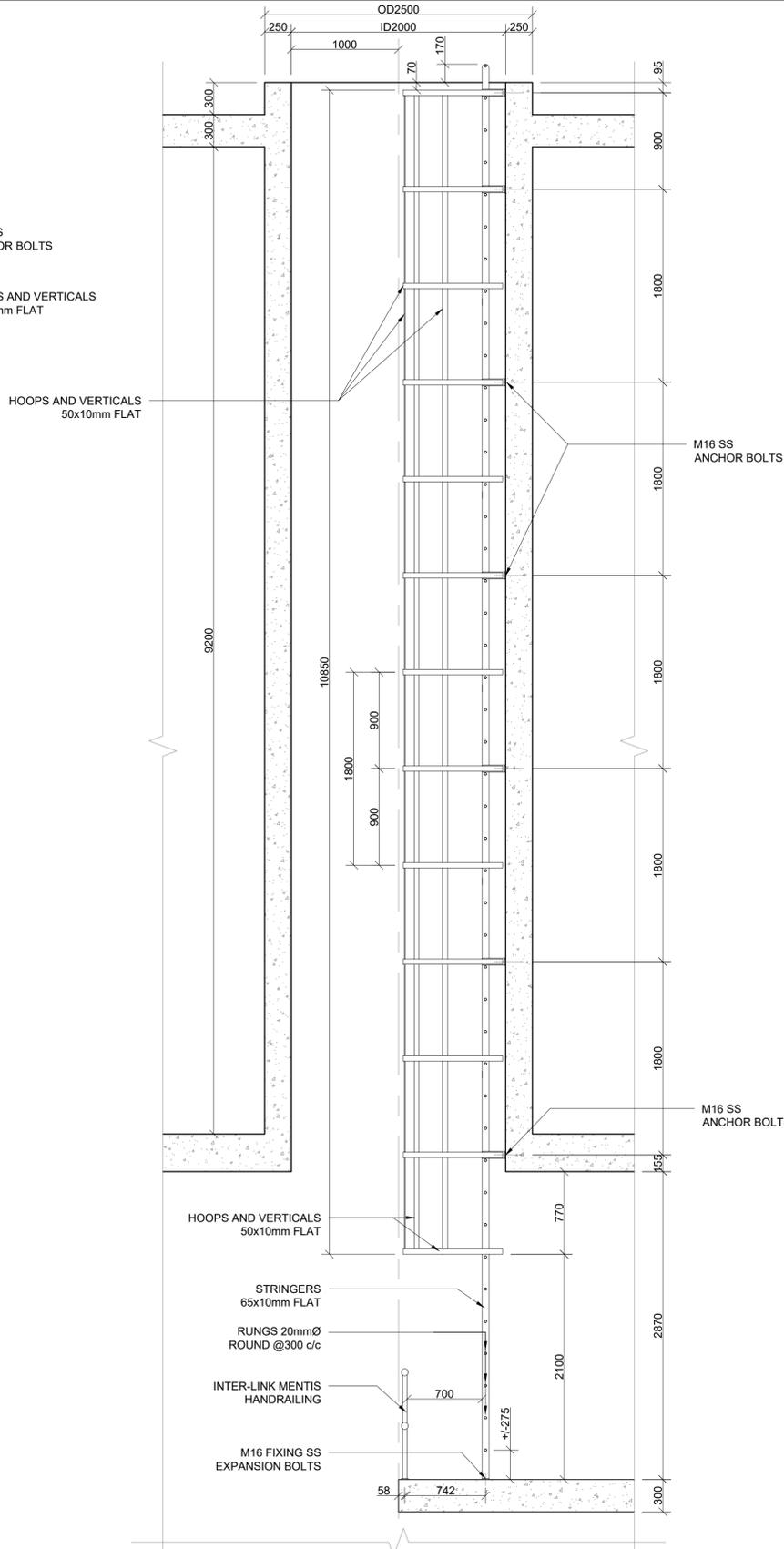
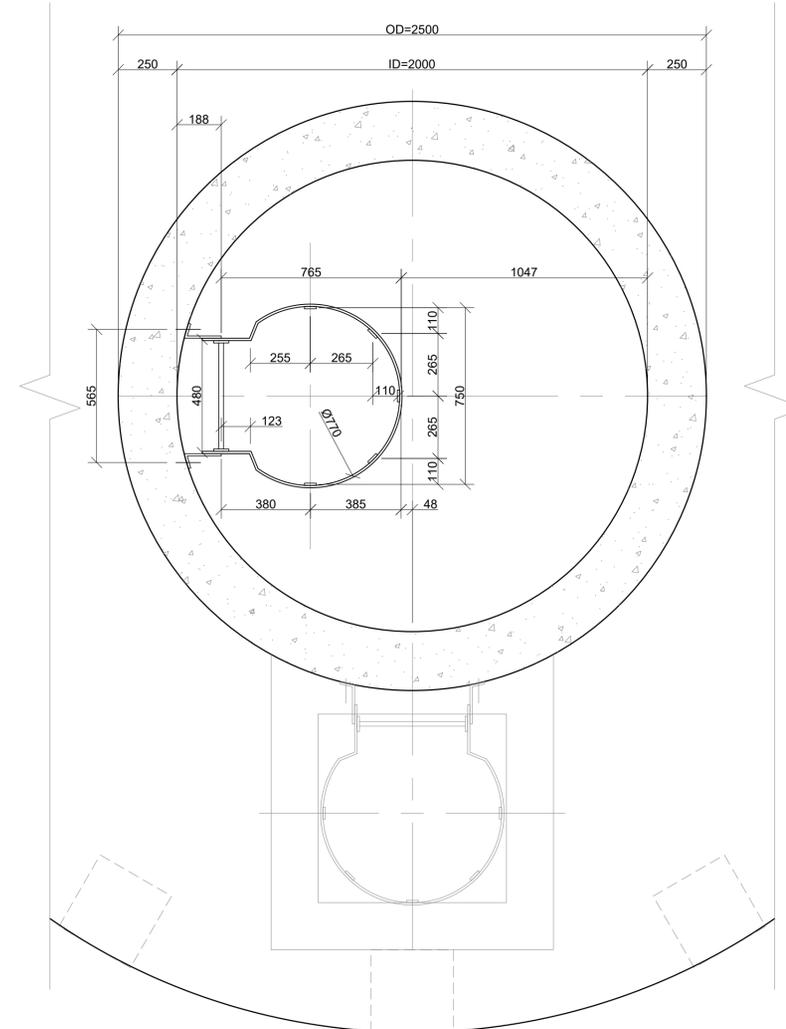


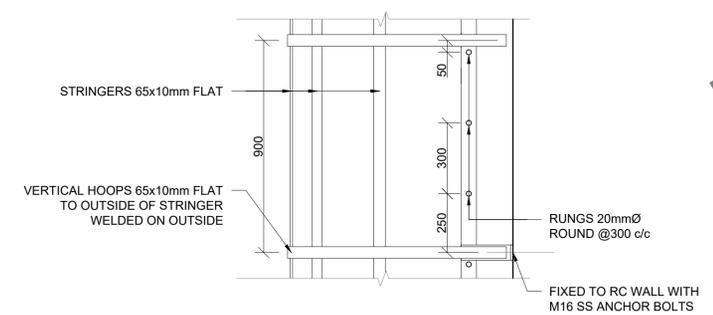
**FRONT ELEVATION
ON SECTION A-A**
SCALE 1:30



SIDE ELEVATION
SCALE 1:30



TANK SHAFT LADDER LAYOUT
SCALE 1:15



CAGE DETAIL
SCALE 1:15

- 1. GENERAL NOTES**
- The copyright on this dwg, including the design and details shown hereon, is reserved by the Consulting Engineers.
 - No scaling of dimensions from drawings allowed.
 - All dimensions and levels are to be verified on site by the contractor before commencing any work.
- 2. EARTHWORKS NOTES**
- All excavations to follow SANS 10400 PART G: Excavations
 - Lateral support and shoring of deep excavations to be designed and certified by a professional
 - Compacted fill in layers not exceeding 150mm to 97% MOD AASHTO
 - Approved insecticide & weedkiller to SABS spec. Code 0124 to sides and under foundations, surface-beds & paving. 10 year underwritten guarantee in favour of client supplied by specialist contractor.
 - All foundation excavations to be approved by the Engineer prior to placement of any concrete
 - Min. ground bearing pressure - 150kPa
- 3. CONCRETE NOTES**
- All reinforced concrete to be vibrated
 - All column corners to receive chamfers
 - Half bricks or building debris may not be used as rebar spacers
 - Concrete Cube strength at 28 days
 - 3.4.1 Blinding.....15MPa
 - 3.4.2 Bases.....25MPa
 - 3.4.3 Strip Footings.....25MPa
 - 3.4.4 Surface Bed.....25MPa
 - 3.4.5 1st & 2nd floors.....30MPa
 - 3.4.6 Roof Slab.....30MPa
 - 3.4.7 Columns.....35MPa
 - Concrete cover to reinforcement measured to stirrups
 - 3.5.1 Base bottom.....75mm
 - 3.5.2 Base sides.....50mm
 - 3.5.3 Columns.....40mm
 - 3.5.4 Beams.....30mm
 - 3.5.5 Suspended slabs.....25mm
 - Proposed mix designs to be approved by the engineer prior to placement of any concrete
- 4. STRUCTURAL STEEL NOTES**
- All steel to be of grade 300WA
 - All bolts to be grade 8.8 unless noted
 - All welds to be 6mm fillet welds unless noted
 - No site welding shall be permitted without the prior consent of the Engineer
 - All holes to be drilled, NO flame cutting allowed
 - All steelwork to be painted within 6 hours after cleaning with one coat red oxide
 - Engineer to inspect manufactured steel components prior to delivery to site

FOR TENDER ONLY

CONSULTING ENGINEERS: TRI-M CONSULTING ENGINEERS WEWORK 155 WEST STREET SANDTON, JOHANNESBURG	DESIGNED P. S. Botha 05/08/2024	
	DRAWN J. Nel 05/08/2024	
	CHECKED P. S. BOTHA 05/08/2024	
	APPROVED BY: P. S. Botha	SIGNATURE DATE
	ECSA REG. No.	
	CHECKED	
	SIGNATURE DATE	



PHYSICAL ADDRESSES:
65 NTEMI PILISO STREET
NEWTOWN
JOHANNESBURG

TEL: (011) 688-1400
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Turffontein Corridors of Freedom
Water Upgrade
Foresthill Tower and Pump Station

CAT LADDER TO TOWER ROOF

SURVEY INFORMATION		APPROVAL BY JW DEPOT		SCALE	AMENDMENTS	
PROJECT SURVEYOR:		CHECKED		1:30; 1:15	REV:	DESCRIPTION
DATE:		APPROVED BY:		0		TENDER PURPOSES
		SIGNATURE	DATE			05/08/2024
CCTV INFORMATION		APPROVAL BY JW PLANNING				
CCTV COMPANY:		CHECKED				
DATE:		APPROVED BY:				
		SIGNATURE	DATE			

JW14402	ST02	0
CONTRACT NUMBER	DRAWING No.	REV.
A1	SHEET 1	OF 1
ORIGINAL PAGE SIZE FILE No.		