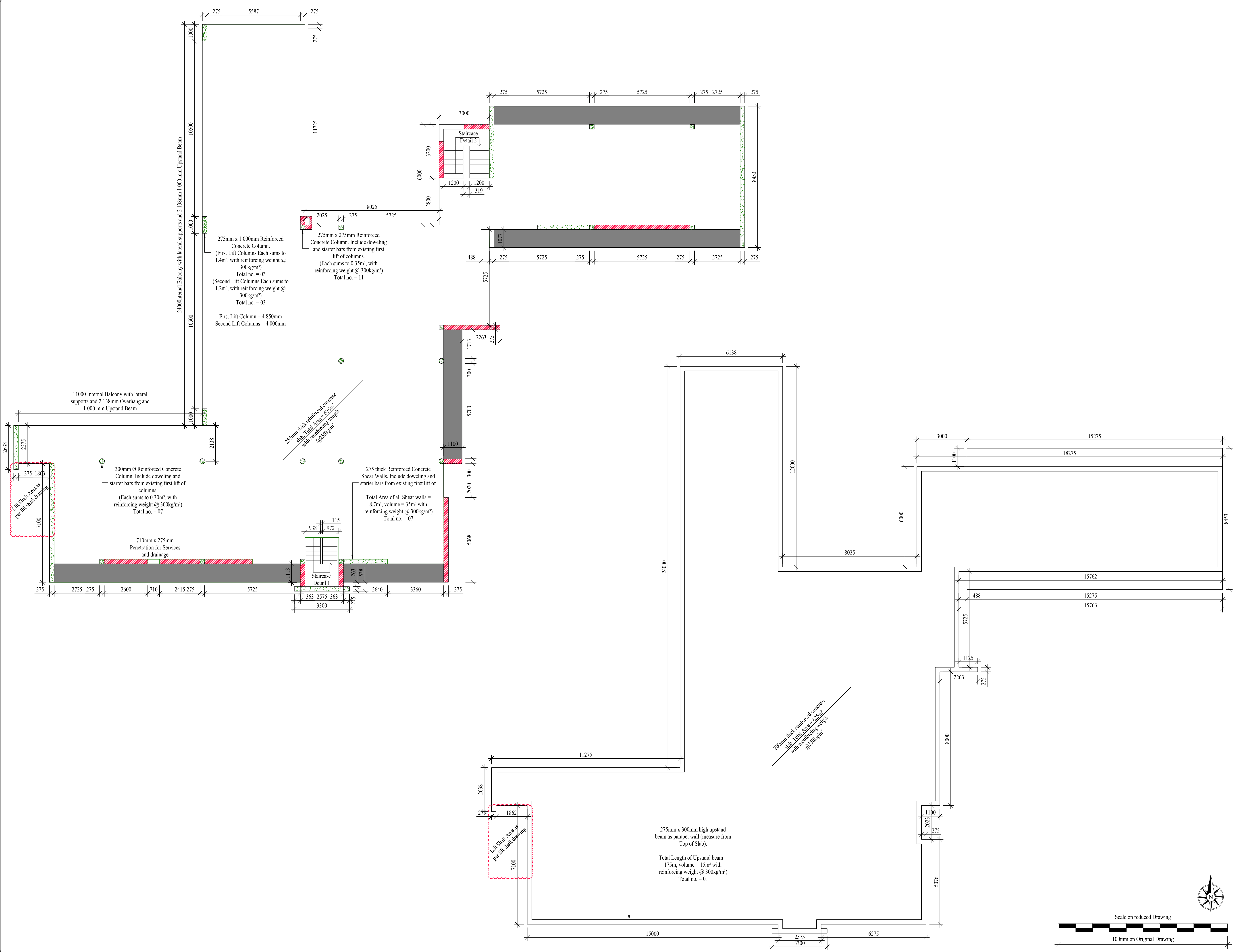




GENERAL NOTES

- FIGURED DIMENSIONS ONLY TO BE USED.
- COORDINATES BASED ON WGS84
- LEVELS BASED ON MSL DATUM
- DISCREPANCIES, ERRORS AND OMISSIONS ARE TO BE REPORTED TO ENGINEER IMMEDIATELY THEY BECOME EVIDENT.
- SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO MANUFACTURE OR INSTALLATION.
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Legend

Roof Line	
Section cut	
Proposed Walls	
Concrete Work	
Fittings on Proposed uPVC Water Pipeline (Class 16)	
Fittings on Proposed Sewer Line	
Overland Stormwater Drainage	

NOTES

- Excavations for foundations and all reinforcing must be approved by the engineer before any concrete is cast.
- All basins are symmetrical about the center lines unless otherwise shown.
- Specifications:
 - Reinforced concrete work SABS 1200g
 - Structural steel work SABS 1200h
 - Paintwork on steel SABS 1200h
- Concrete work: all brickwork are load bearing and must be completed before commencing with the construction of the concrete slab
- Minimum concrete cover:
 - Bases 75mm
 - Columns 40mm
 - Beams 25mm
 - Slabs 12mm or dia
- Concrete: all ready mixed concrete will only be approved if a mix design and cement grading by SABS is submitted to the engineer.
- Test cubes minimum must be tested by an independent soil laboratory.
- All imported cement approved by the SABS must be approved by the engineer on the basis of:
 - All cement must be bought in one batch and treated to SABS 1200g.
 - A mix design must be submitted.
 - 4 sets of 3 test cubes must be submitted with age of testing as follows:
 - 3 cubes @ 7 days
 - 3 cubes @ 14 days
 - 3 cubes @ 21 days
 - 3 cubes @ 28 days
- Concrete cube strength at 28 days:
 - Blinding 15 MPa
 - Reinforced Foundations 30 MPa
 - Columns 40 MPa
 - Beams 30 MPa
 - Slabs and Staircases 30 MPa

Rev	Date	Issued for	Approved
		Preliminary	
		Information	
00	26/11/2017	Tender Contract	
		Measurement	
		Construction	
		Approval	

Client:
A subsidiary of the Gauteng Growth and Development Agency

Discipline	Signature	Pr Number	Date
Architecture			
Civil/Structural			

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Project Title:
Construction of BioPark Phase 1C
Extension to Phase with a Second Floor and Lift

Drawing Title: General Arrangement Drawings PHG-STR-100	Designed by: Koketso Moyahe, Civil & Structural Engineer
Date November 2017	Drawn by: Koketso Moyahe, Civil & Structural Engineer
Scale 1:100	Checked by: TS Wankwany; PrEng