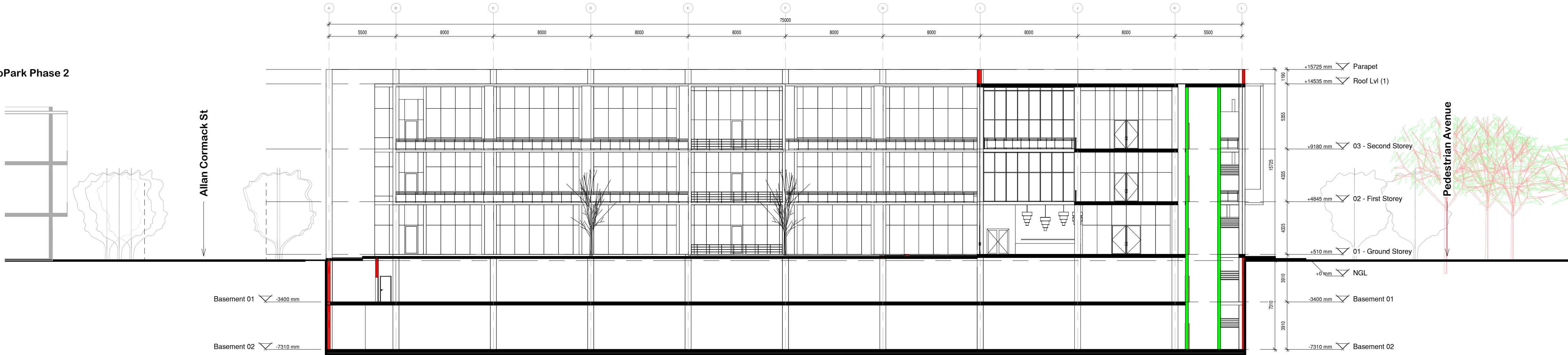


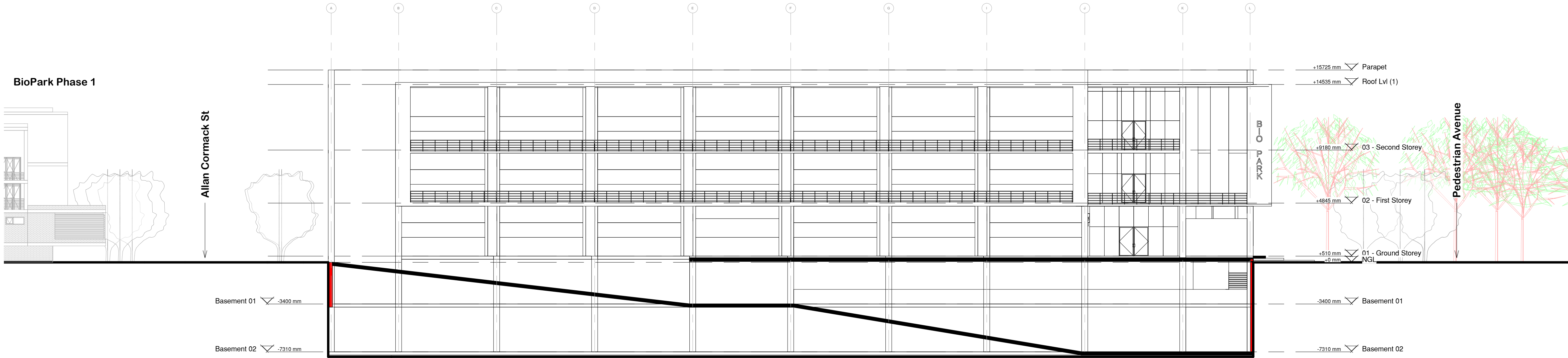
BioPark Phase 2



Section 1 - Central Courtyard

1 : 200 | SP/300

BioPark Phase 1



Section 2 - Basement Access

1 : 200 | SP/300

BIGEN Africa Building



Section 3 - Cross Section

1 : 200 | SP/300

GENERAL NOTES:

FIGURED DIMENSIONS ONLY TO BE USED.

COORDINATES BASED ON MSL DATUM.

DISCREPANCIES, ERRORS AND OMISSIONS ARE TO BE REPORTED TO ENGINEERS IMMEDIATELY THEY BECOME EVIDENT.

SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO MANUFACTURE OR INSTALLATION.

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NOTES:

- Excavations for foundations and all reinforcing must be approved by the engineer before any concrete is cast.
- All bases are symmetrical about the center lines unless otherwise shown.
- Specifications:
 - Reinforced concrete work SABS 1200g
 - Structural steel work SABS 1200h
 - Pointwork 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 SABS must be approved by the engineer on the bases 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 @ 7days
 - 3 cubes @ 14days
 - 3 cubes @ 21days
 - 3 cubes @ 28days
- Concrete cube strength at 28 days:
 - Blinding 15MPa
 - Foundations 20MPa
 - Columns 25MPa
 - Beams 25MPa
 - Slabs 25MPa

Revision	Date	Issued for	Approved
		Preliminary	
		Information	
		Tender Contract	
		Measurement	
		Construction	
		Approval	

Discipline	Signature	Pr. Number	Date
Architecture			
Engineering			
Client			

Client:

THE INNOVATION HUB
Innovation Catalyst for Gauteng City Region

A subsidiary of the Gauteng Growth and Development Agency

Signature of Approval: _____ Date: _____

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Web: www.phunga.co.za

Bio Park (Phase 3)

Sketch Proposal

Project Name:	BioPark Phase 3
Project Number:	J17/30
Project Address :	Allan Cormack St, Pretoria Portions 5 & 6 of Erf 30
Project Description:	Proposed New Building

Building Name:	Bio-Tech Facility
Drawing Name:	Sections
Drawing Number:	SP/300
Date:	15/11/2017
Rev. Number:	
Scale:	1 : 200

Drawn by:	
Checked by:	