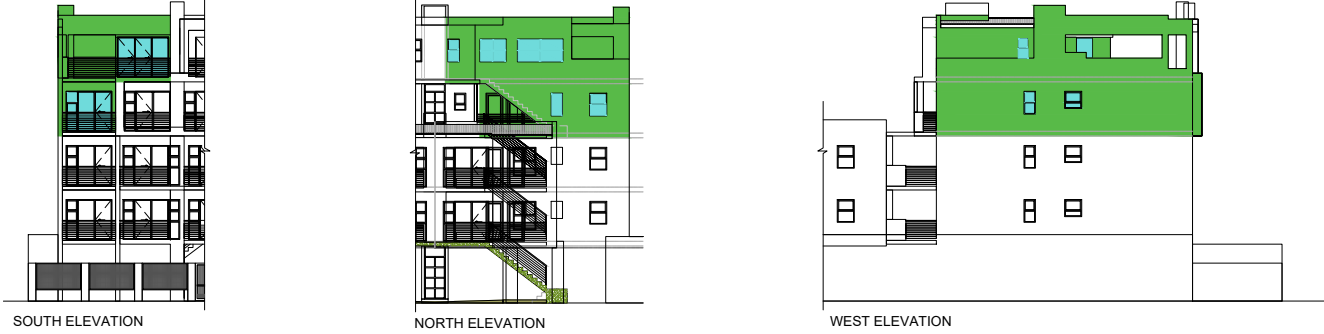
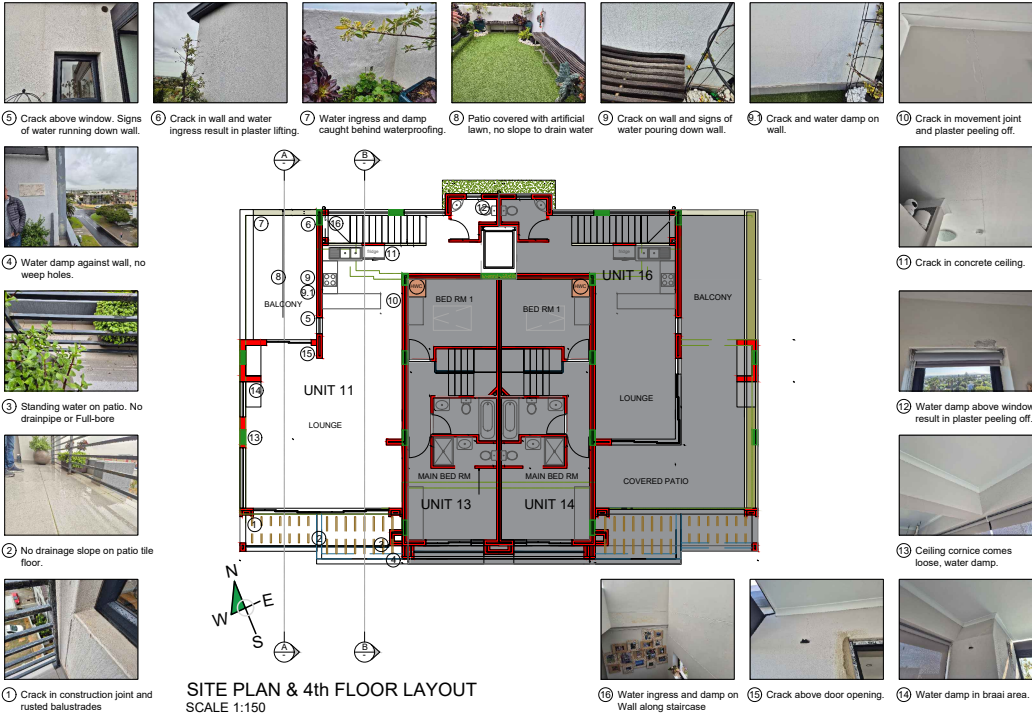


PROJECT SCOPE and INVESTIGATIVE NOTES

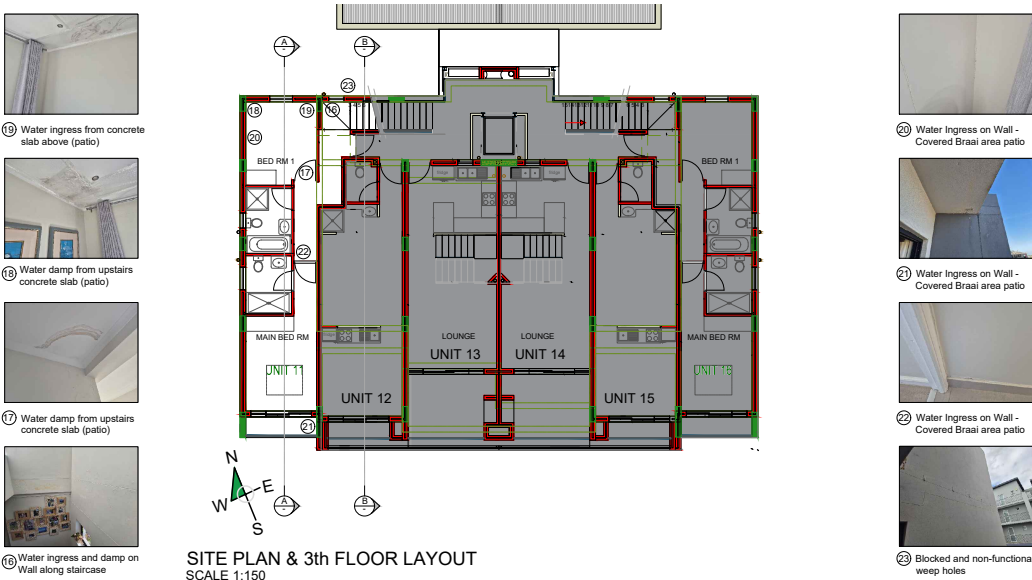
ELEVATIONS



INVESTIGATION NOTES



SITE PLAN & 4th FLOOR LAYOUT
SCALE 1:150



SITE PLAN & 3th FLOOR LAYOUT
SCALE 1:150

SECTIONS

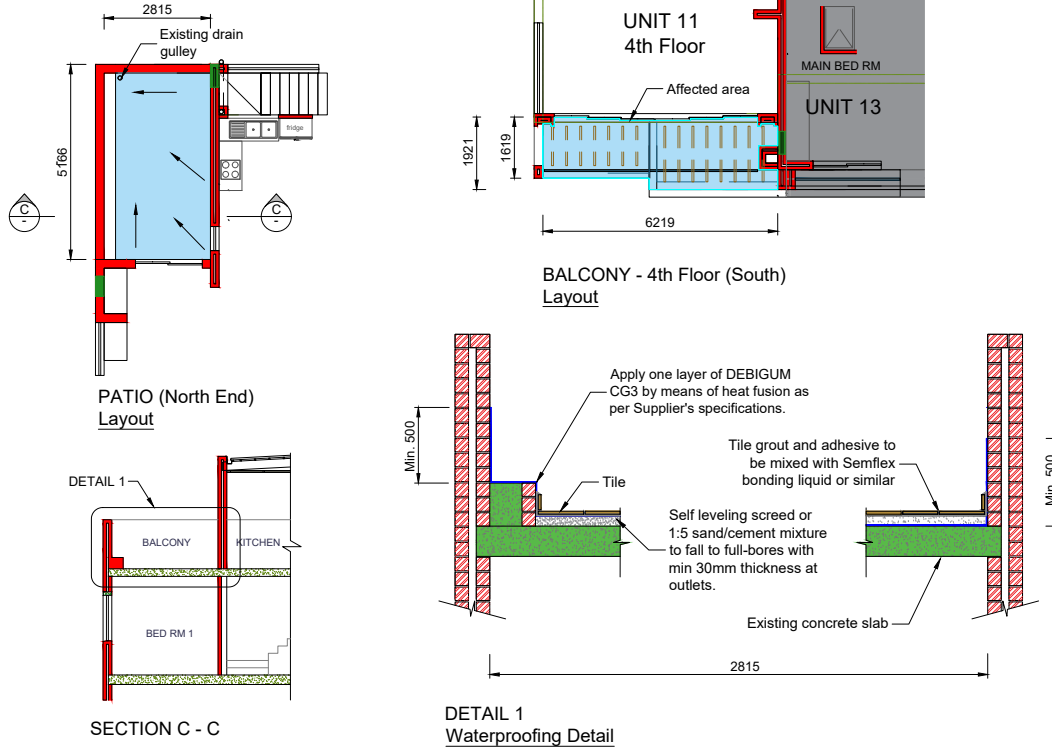


UNIT 11 - SECTION A - A

UNIT 11 - SECTION B - B

CONCEPT PROPOSAL : REMEDIAL CONCEPTS

WATERPROOFING and STORMWATER DRAINAGE



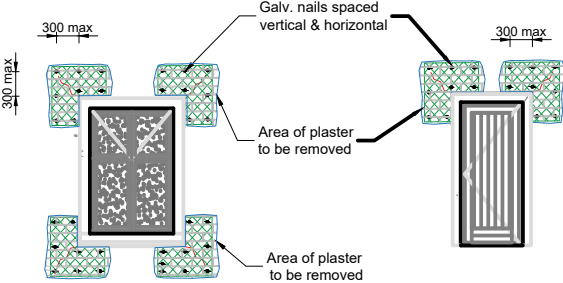
WATER DAMP REPAIRS



Methodology :

- Identify and Address the Source:
Leaks: Check for any roof leaks, plumbing leaks, or condensation issues causing the dampness.
Rising Damp: If the dampness is coming from the walls below, it could be rising damp, which requires a different treatment approach.
Condensation: Poor ventilation can lead to condensation, especially in bathrooms and kitchens. Ensure proper airflow/Water ingress from concrete slab above (patio).
- Remove Damaged Materials:
Mold and Deteriorated Plaster: If mold is present or the plaster is damaged, remove the affected areas.
Prepare the Surface: Clean the exposed concrete thoroughly and ensure it's dry before applying any new materials.
- Improve Ventilation:
Dehumidifier: Use a dehumidifier to draw out moisture from the air and help dry the concrete.
Fans: Fans can help circulate air and speed up the drying process.
Ventilation: Ensure proper ventilation in the room, especially in areas prone to dampness like bathrooms.
- Apply Waterproofing:
Damp Proof Membrane: For persistent dampness, consider installing a damp-proof membrane on the ceiling.
Cementitious Crystalline Render: This render forms a waterproof barrier and can be effective in holding back moisture.
Elastomeric Coatings: These coatings are flexible and can help prevent cracks and water penetration.
Liquid Membrane: A liquid membrane can be applied to create a seamless waterproof barrier.
- Other Tips:
Anti-Mold Paint: If mold is a recurring problem, use anti-mold damp seal paint that contains fungicidal chemicals.
Sealants: Use sealants to fill cracks and holes in the concrete, preventing water from entering.
Regular Maintenance: Regularly inspect your ceiling for signs of dampness and address them promptly.

CRACK REPAIRS



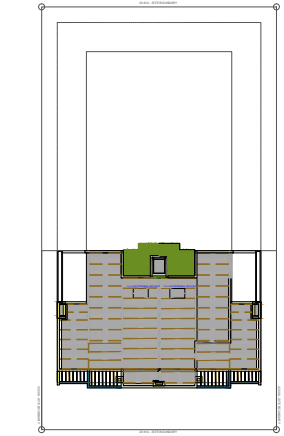
CRACK REPAIR PROCEDURES
Above and under Openings

CRACK REPAIR
Above doors and Openings

- Verify affected areas with the Engineer and remove plaster with light hand tools.
- Light chisel opening - 5mm deep of apparent crack.
- Fix galvanised lath mesh to area with galv. nails, 300mm max centers.
- Lath metal tightly stretched to reduce waviness.
- Plaster forced through openings of mesh so the lath is completely encased in the plaster (1:5 mix).
- Repaint to match existing.

NOTES:

- This drawing to be read in conjunction with the following documents:
 - Structural Investigation Report - 8 August 2025
- No dimensions may be scaled from this drawing.
- Special care to be taken during all construction operations to not damage or disconnect any services (water, sewer and electrical).



SITE LAYOUT:
House Barnard - Erf 4114, 37 Arum Road,
Table View, Cape Town

CLIENT

NATIONAL HOME BUILDERS

NHBRC

REGISTRATION COUNCIL

Centennial Place

East Block

Century City Boulevard

Milnerfontein

Tel: (021) 913 9210

Cell: (083) 475 3548

e-mail: info@nhbrc.org.za

PROJECT TITLE

Structural Engineering Investigation Services for
Erf 4114, Arum Road, Table View, Cape Town
(House Barnard)

DRAWING TITLE

Investigation Notes and Concept Proposed
Remedial Detail

Revisions

Date	No.	Description

Reference Drawings

Dwg Number	Description

Drawing Issued for:

- ☒ Information ☐ Design
☒ Construction ☐ As-built



NEW DEVELOPMENT

DATE	DRAWN	SCALE	CHECKED
Aug 2025	SOD	AS-SHOWN	MJB

Stand Nr. and locality:

Erf 4114, 37 Arum Road,
Table View, Cape Town

ENGINEERING DESIGNS - Structural & Civil services

Designed by:	Drawn:	Checked:
M.J. Badenhorst	SOD	MJB

Competent Person:
MJ Badenhorst (Pr.Tech.Eng.)(Pr.CPM)
ECSA # 200270009
NHBC Code # 601551

Cell: 066 105 1226
mjbadenhorst@outlook.com

Drawing number:	Drawing size:	Rev.
HBAR - Struct 01	A1	01

Client Approval:

Signature: