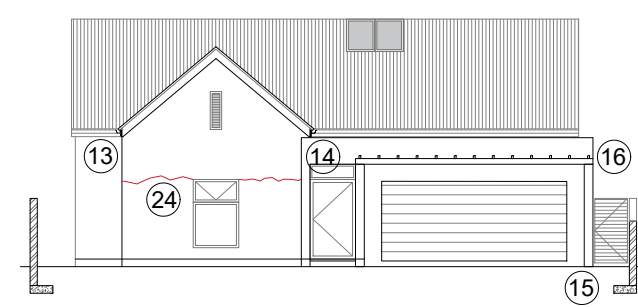
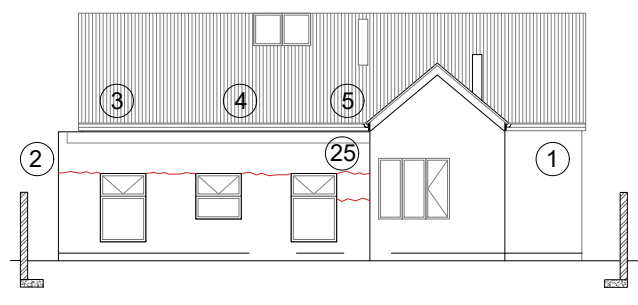
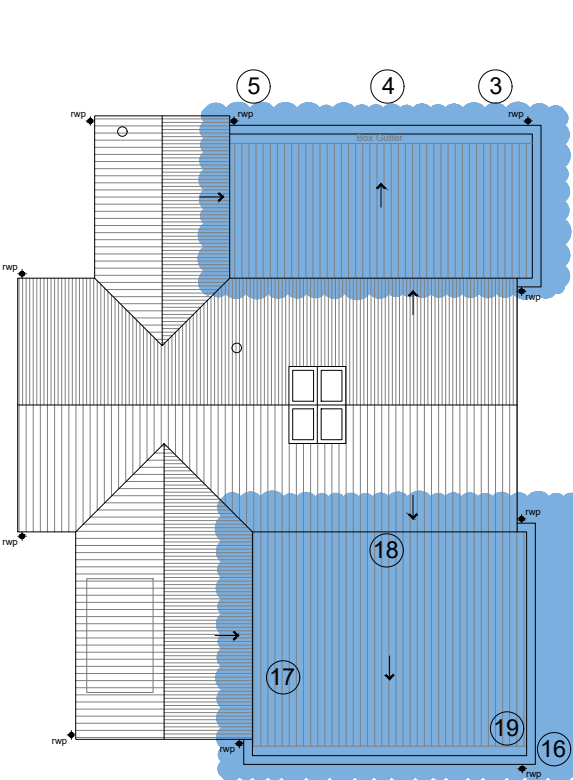
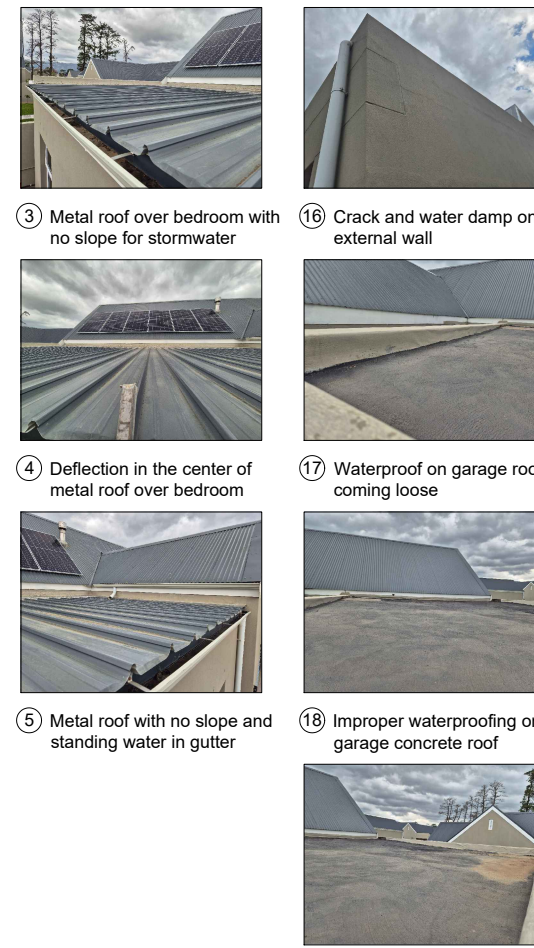


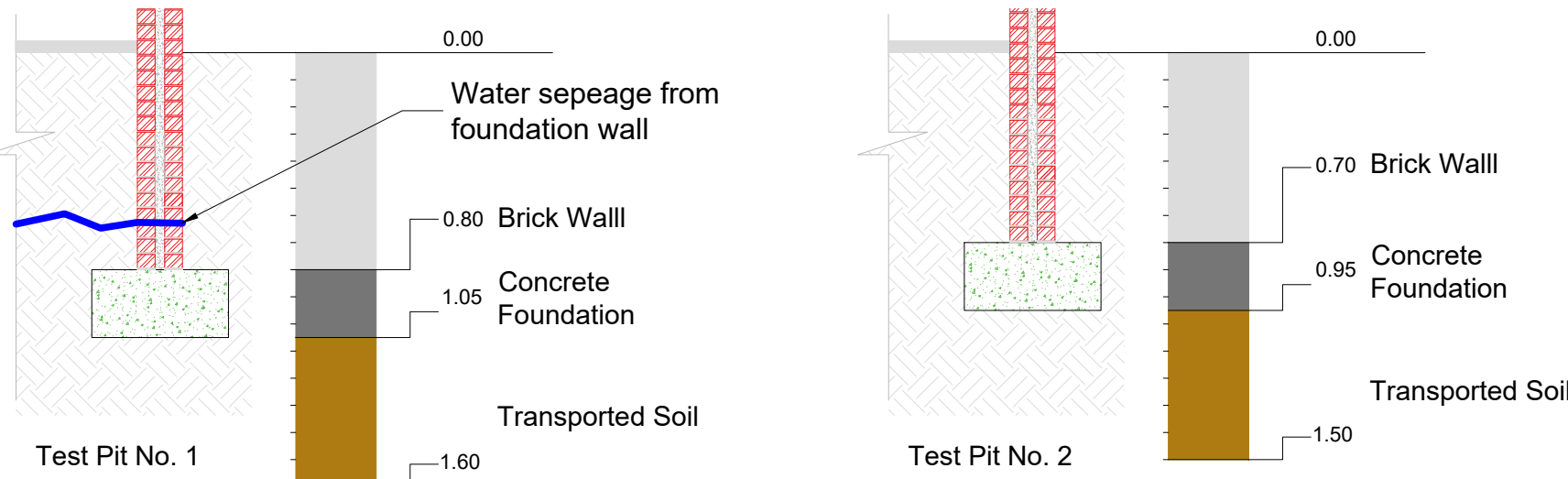
PROJECT SCOPE and INVESTIGATIVE NOTES

SOUTH WEST ELEVATION
Location of defectsNORTH EAST ELEVATION
Location of defectsROOF LAYOUT
Location of defects
Scale 1 : 200SITE & GROUND FLOOR PLAN
Location of defects

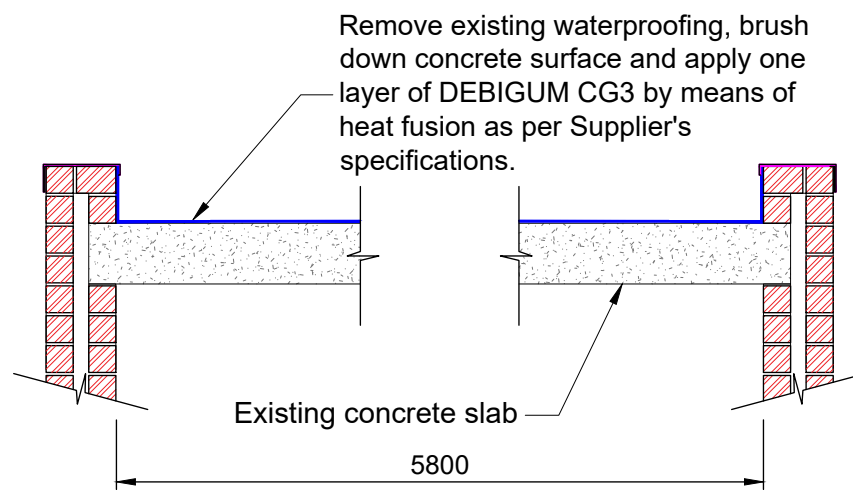
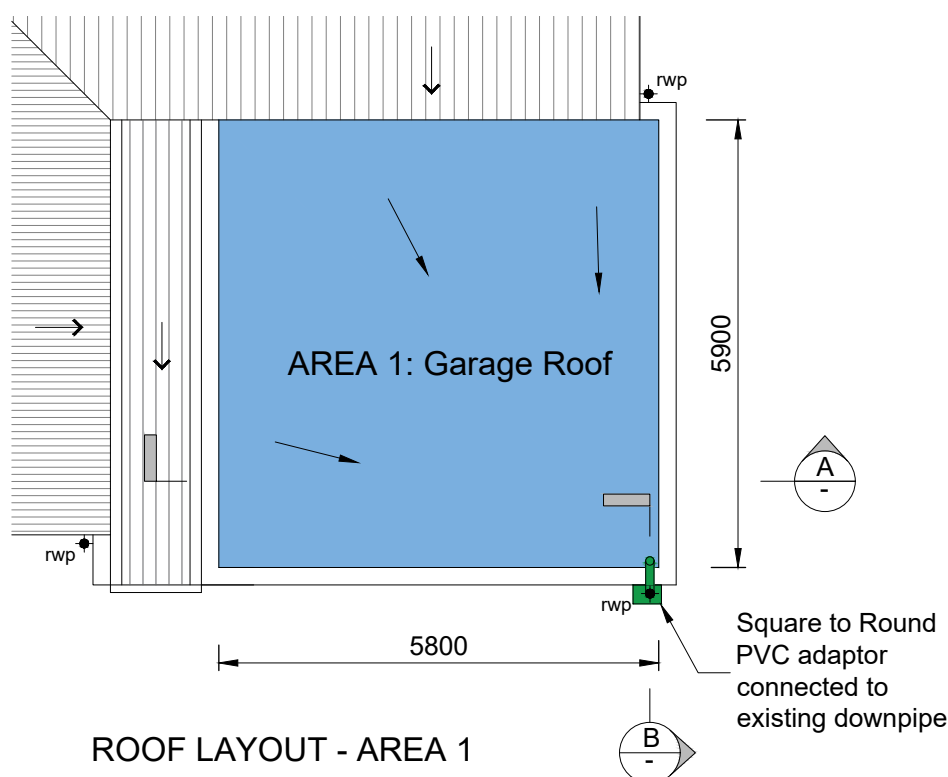
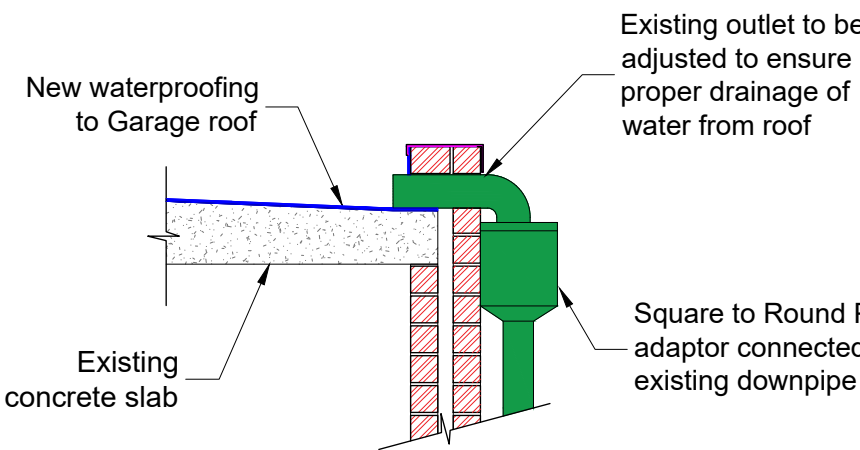
CONCRETE SCANNING and CORE DRILL RESULTS

CONCRETE CORE TESTS
Core #01 - Rebar 125mm from top of slab

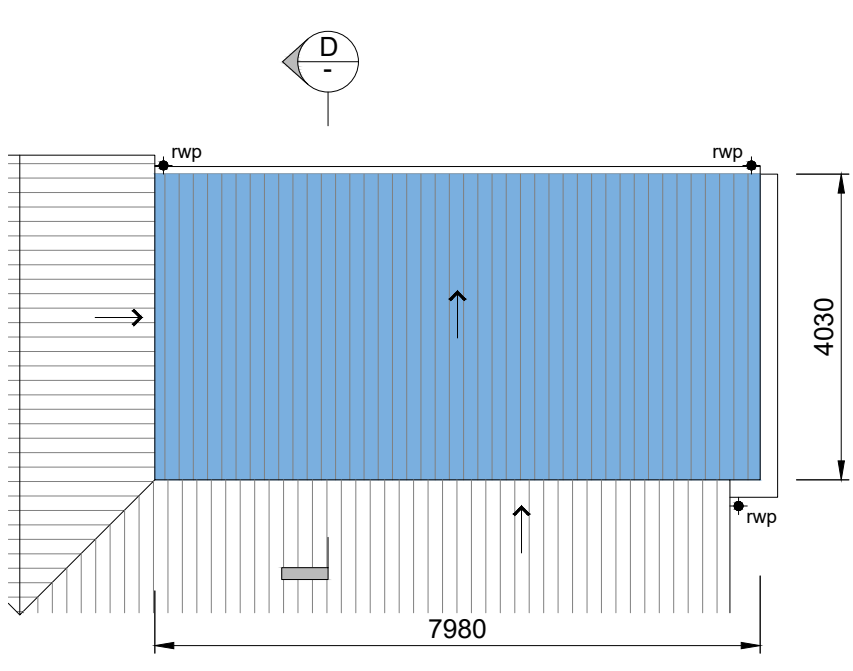
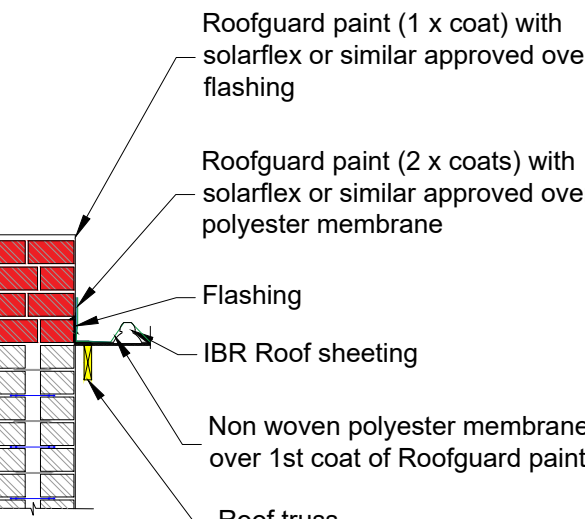
TEST PIT EXPLORATIONS



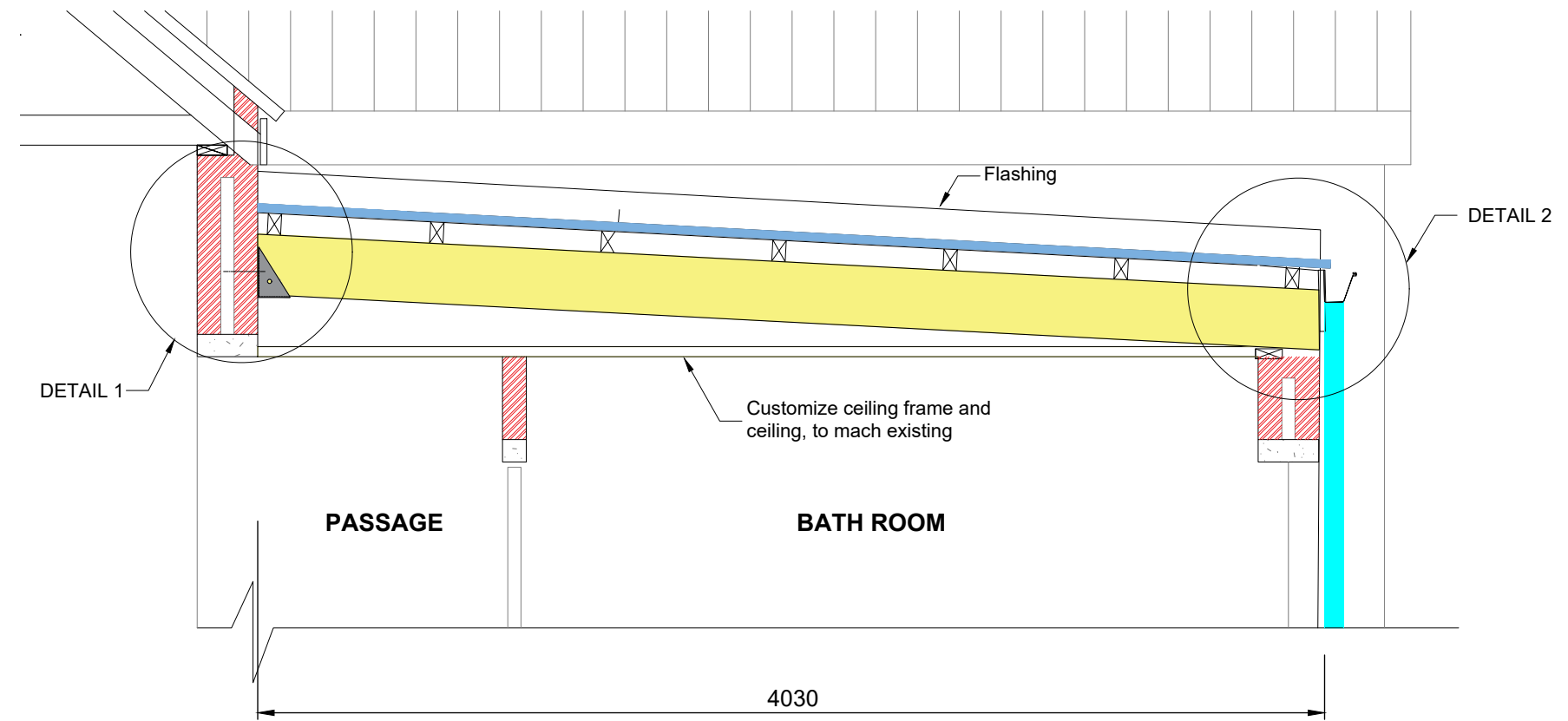
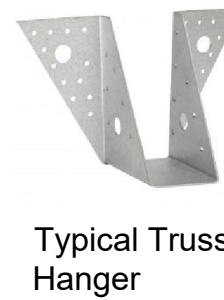
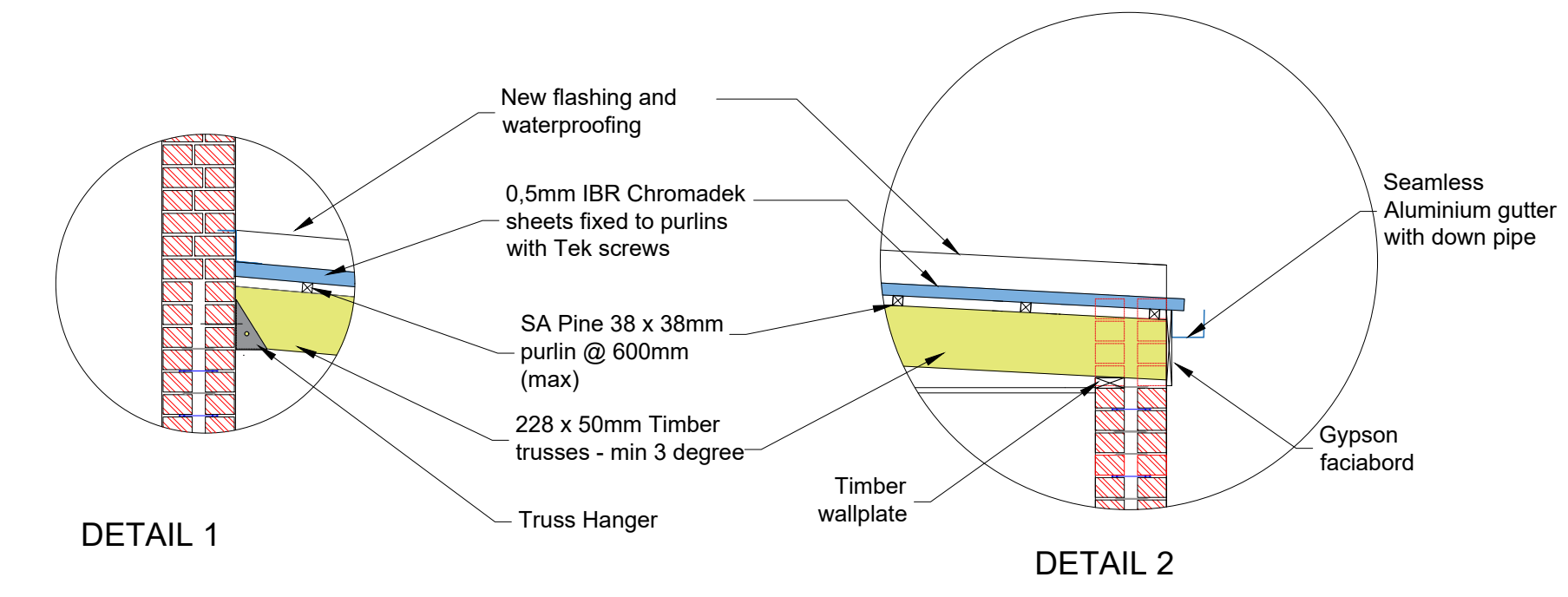
AREA 1 : GARAGE ROOF (FRONT END)

SECTION A - A
Waterproofing to Garage roofSECTION B - B
Stormwater outlet and PVC adaptor

AREA 3 : RE-CONSTRUCT FLAT ROOF (BACK END)

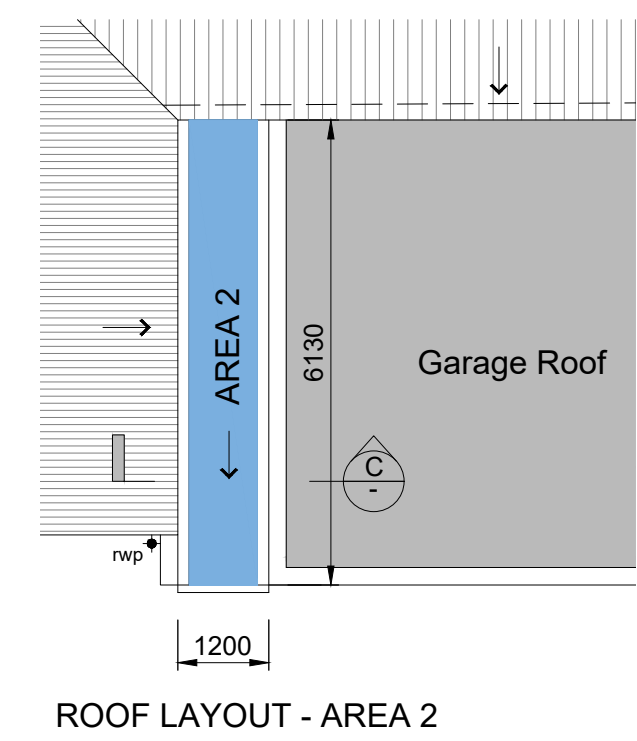
ROOF LAYOUT - AREA 3
Bedrooms and Bathroom

TYPICAL FLASHING DETAIL

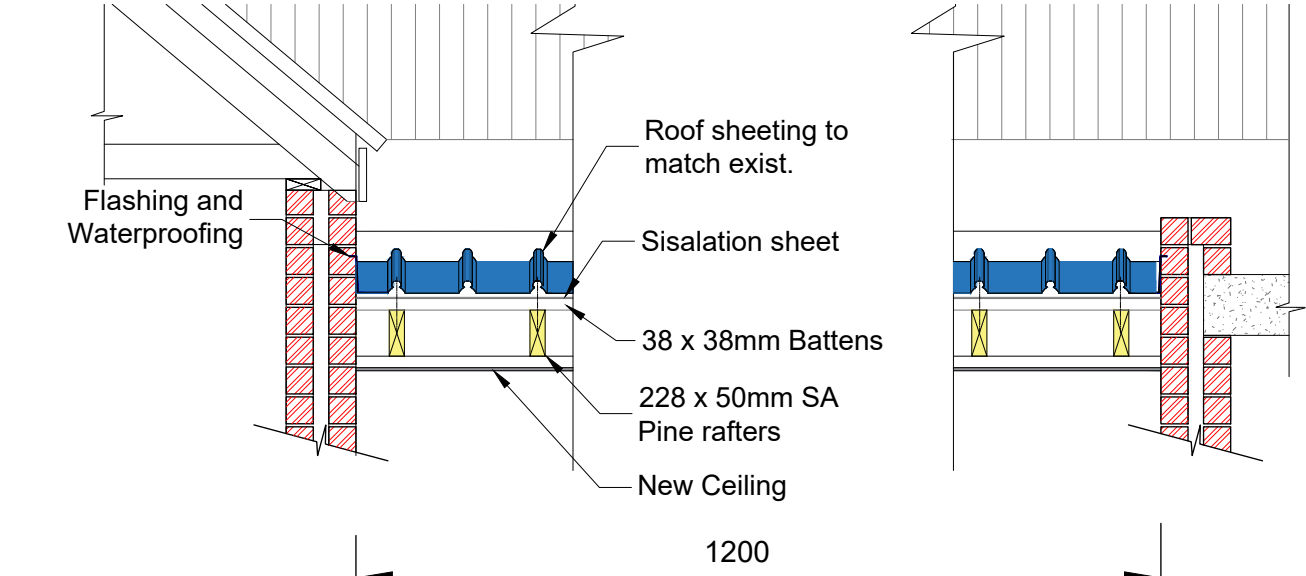
SECTION D - D
Reconstruct roof

PROPOSED CONCEPT REMEDIAL WORKS

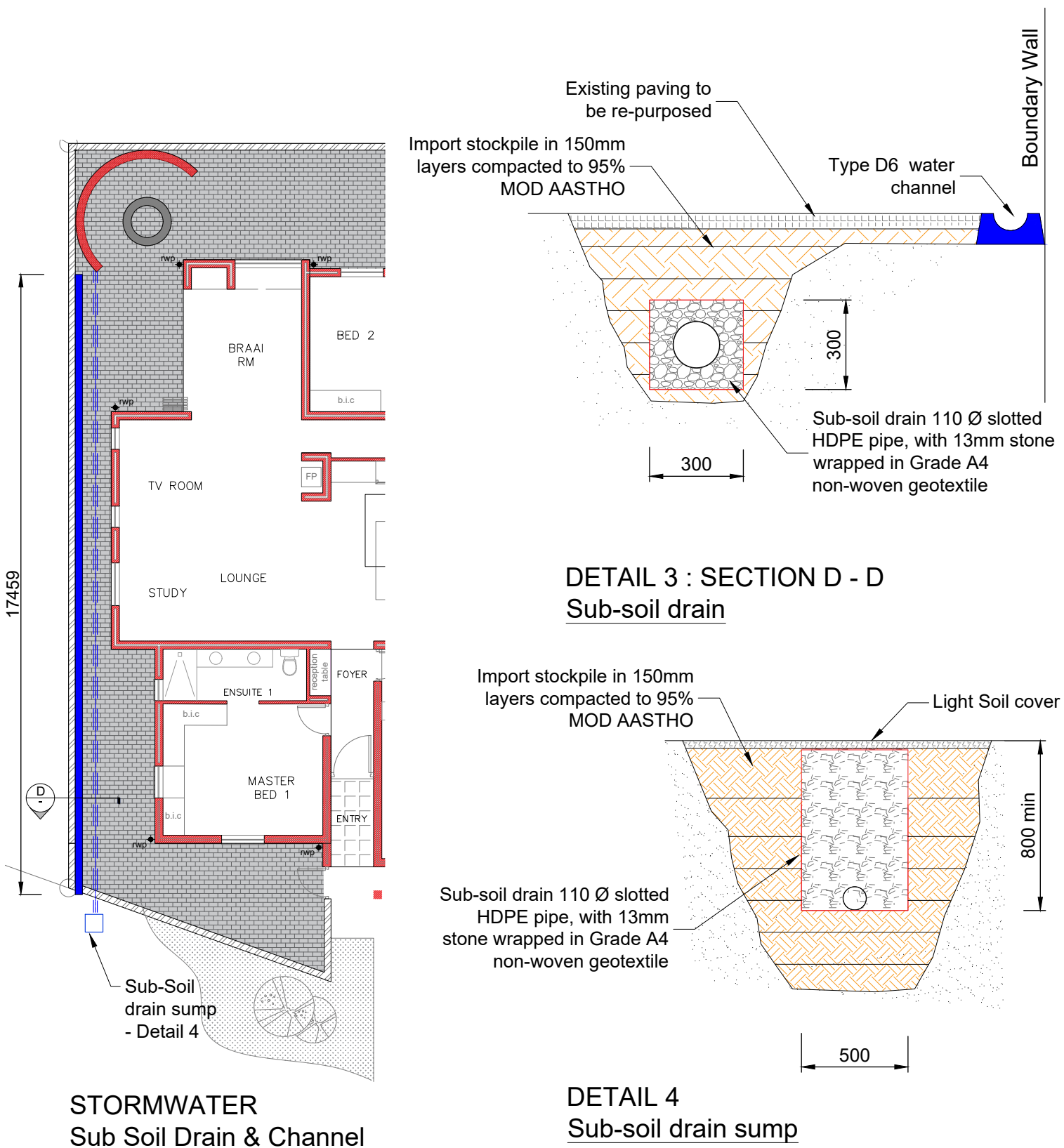
AREA 2 : RE-CONSTRUCT FLAT ROOF (FRONT END)



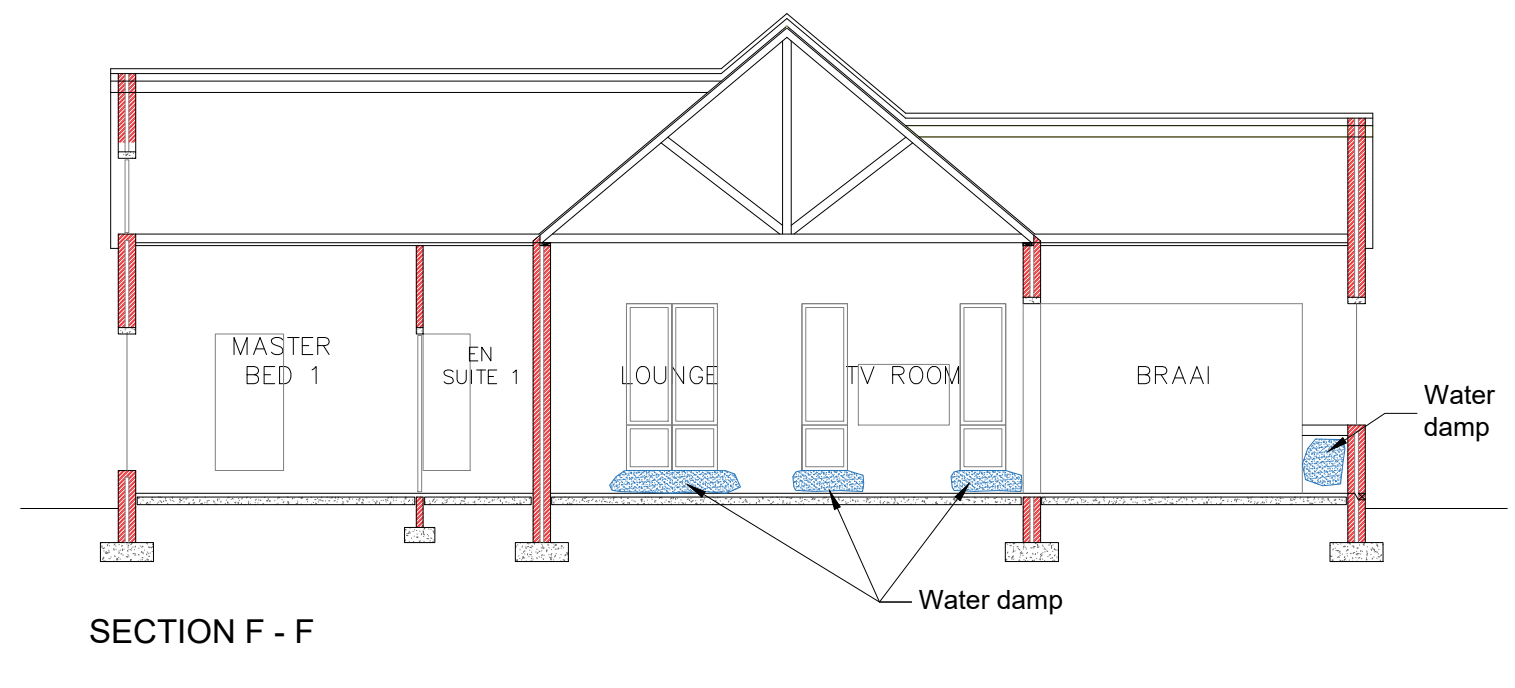
ROOF LAYOUT - AREA 2

SECTION C - C
New Flat Roof over Passage

AREA 4 : ON-SITE STORMWATER MANAGEMENT

STORMWATER
Sub Soil Drain & ChannelDETAIL 4
Sub-soil drain sump

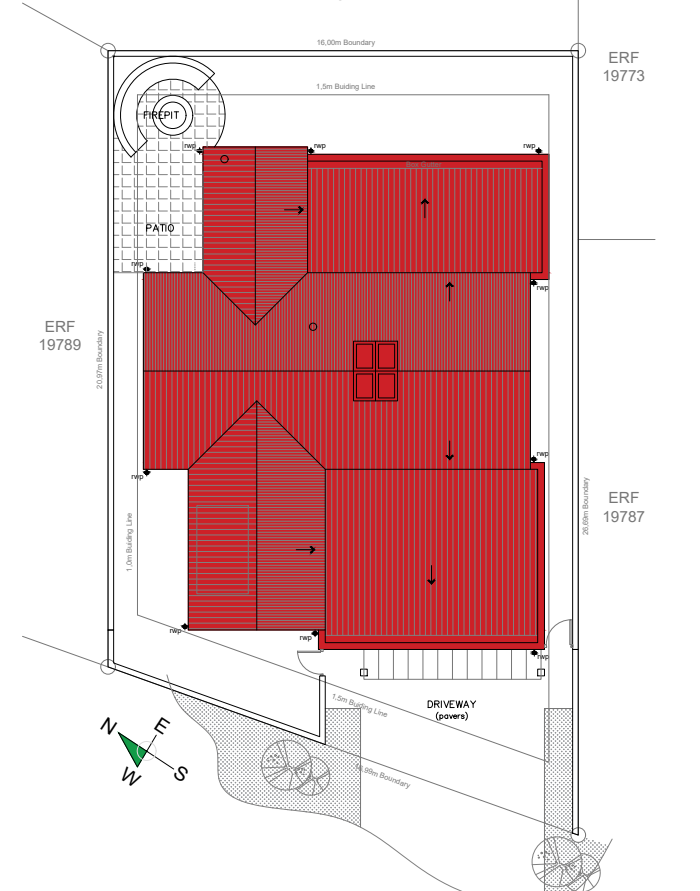
AREA 5 : REPAIR WATER DAMP AREAS



SECTION F - F

NOTES:

- This drawing to be read in conjunction with the following documents:
 - Structural Investigation Report - 5 September 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 Botes - Erf 19788, 20 Tenerife
Avenue, Springfield Estate, Somerset Lakes,
Somerset West

PROJECT TITLE
Structural Engineering Investigation Services for
Erf 19788, 20 Tenerife Avenue, Springfield
Estate, Somerset Lakes, Somerset West
(House Botes)

DRAWING TITLE
Investigation Notes and Concept Proposed
Remedial Detail

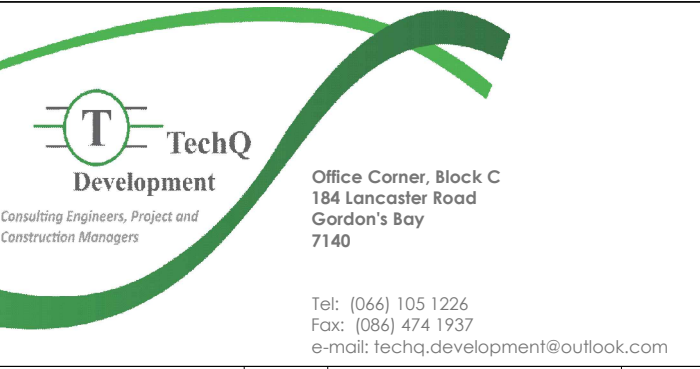
Revisions		
Date	No.	Description

Reference Drawings	
Dwg Number	Description

Drawing Issued for:

☒ Information ☐ Design ☐ As-built

☐ Construction



NEW DEVELOPMENT	MAINTENANCE	YES
DATE Sept. 2025	DRAWN SOD	CHECKED MJB
NHBC SITE CLASSIFICATION: NA	SCALE AS-SHOWN	BEARING CAPACITY NA

Stand Nr. and locality:
Erf 19788, 20 Tenerife Avenue,
Springfield Estate, Somerset
Lakes, Somerset West

ENGINEERING DESIGNS - Structural & Civil services

Designed by:
M.J. Badenhorst

Drawn:
SOD

Checked:
MJB

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

Cell: 066 105 1226
mjb@badenhorst.co.za

Drawing number:
HBotes - Struct 01

Drawing size:
A1

Client Approval:

Signature: