

DEMOLITION PLAN  
1:125

#### Demolition Notes:

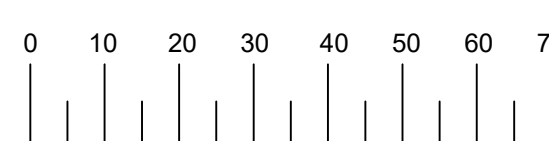
- General Compliance**  
All demolition work shall be carried out in full compliance with:
  - The Occupational Health and Safety Act (Act 85 of 1993) and Construction Regulations, 2014.
  - Relevant SANS/SABS standards, including SANS 10400 Part D (Public Safety) and SANS 1200-D.
  - All local municipal bylaws and statutory authority requirements.
- Method Statement**  
The Contractor shall submit a detailed demolition method statement and risk assessment to the Engineer and Health & Safety Agent for approval prior to commencement of work. This shall include:
  - Demolition Restrictions:**
    - Separate damaged portion, to be demolished by means of Diamond-Saw cut joint, or similarly approved, prior to commencement of any demolition works.
    - Demolition to be carried out with the least possible disruption to the adjacent foundation conditions & embankments.
    - Safety and environmental controls. Temporary supports or bracing required to comply with safety regulations.
    - Cut-line to be marked & position to be inspected & approved by Engineer prior to any commencement of Saw-Cutting.
- Permits and Notifications**  
The Contractor shall obtain all required demolition permits and approvals from the local authority before work begins. Neighbours and adjacent property owners shall be notified, where required.
- Service Disconnections**  
All existing services (water, electricity, sewer, telecoms, gas, etc.) must be:
  - Identified and marked.
  - Isolated or disconnected by relevant authorities before demolition.The Contractor is responsible for coordinating service terminations and proving all services on site.
- Protection of Public and Property**  
Adequate measures must be taken to:
  - Secure the site perimeter with hoarding/fencing.
  - Prevent dust, debris, and noise pollution.
  - Protect adjacent buildings, roads, footpaths, and public infrastructure.
- Structural Safety**  
The Contractor shall take all necessary precautions to prevent premature collapse of any part of the structure. Temporary bracing or propping shall be provided where required.
- Hazardous Materials**  
If asbestos, lead-based paint, or any hazardous material is suspected or confirmed, the Contractor must:
  - Arrange for testing and safe removal by a licensed specialist contractor in accordance with SANS 10228, SANS 10229, and the Asbestos Abatement Regulations (2020).
- Debris Removal**  
Demolition debris shall be:
  - Removed from site promptly.
  - Disposed of at a licensed disposal facility.
  - In accordance with local municipal waste regulations.
  - Recyclable materials should be salvaged where feasible.
- Working Hours**  
Demolition shall be restricted to normal working hours, unless otherwise approved by the Engineer and local authority. Noisy work must be scheduled to minimize disruption to the surrounding area.
- Environmental Management**  
The Contractor shall implement appropriate dust suppression, noise control, and stormwater protection measures during demolition. Water runoff must not contaminate public infrastructure.
- Health and Safety File**  
The Contractor shall maintain a site-specific Health & Safety File, including:
  - Risk assessments.
  - Toolbox talks.
  - Safe work procedures.
  - Method statements.
  - Incident records.
- Final Inspection and Sign-off**  
The site shall be cleared, graded, and made safe after demolition. Final inspection and sign-off shall be done by:
  - The Engineer.
  - A Health & Safety Agent, prior to handover for further construction.

#### ETHEKWINI WATER AND SANITATION



#### WATER DESIGN BRANCH

#### REDUCED PLAN USE SCALE BELOW



#### LEGEND

EXISTING UNDERGROUND SERVICES ARE AS SHOWN BELOW.

NEW WATER MAIN & VALVES	
SEWERS AND M.H.S	
STORM WATER DRAINS AND M.H.S	
WATER MAINS AND VALVES	
ELECTRICITY CABLES	
TELKOM CABLES	
OIL PIPELINES	

#### CONSULTANT:



Drawing No.: D724-52-6000 REV 0

#### FOR TENDER

#### REFERENCE DRAWINGS (60591/...)

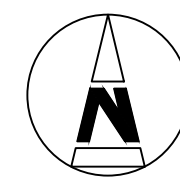
DWG No.	TITLE/DESCRIPTION
031	RESERVOIR 2 DETAILS SHEET 1 OF 4
031	RESERVOIR 2 DETAILS SHEET 2 OF 4
031	RESERVOIR 2 DETAILS SHEET 3 OF 4
031	RESERVOIR 2 DETAILS SHEET 4 OF 4
040	SITE PLAN & SECTIONS SHOWING 1:2 SLOPE.
041	PLAN & ELEVATION OF MECHANICALLY STAB.
042	1m TO 8m GABION WALL DETAILS.
043	TEMPORARY SOIL NAILS PLAN & DETAILS
044	SECTION D - SITE PLAN & DETAILS OF LOW...

#### STANDARD DRAWINGS

###	-
###	-
###	-
###	-
###	-
###	-
###	-
###	-
###	-
###	-

0 SEPT 2025 ISSUED FOR SIGNATURE

Revision Date Description



NORTH POINT

32547 - 5W

Contract No.

Project No. X8388

Planning Unit

WATER AND SANITATION

Ward No.

64

Project Title

MOBENI 2 RESERVOIR ASSOCIATED WORKS

Drawing Title

RESERVOIR DEMOLITION PLAN

Scale : AS SHOWN

Designed : M.NDLOVU Date : 05.09.2025

Checked : K.THEVAR Drawn : N.NANKIAH

Area Engineer

Manager (Water Design)

Deputy Head (Engineering)

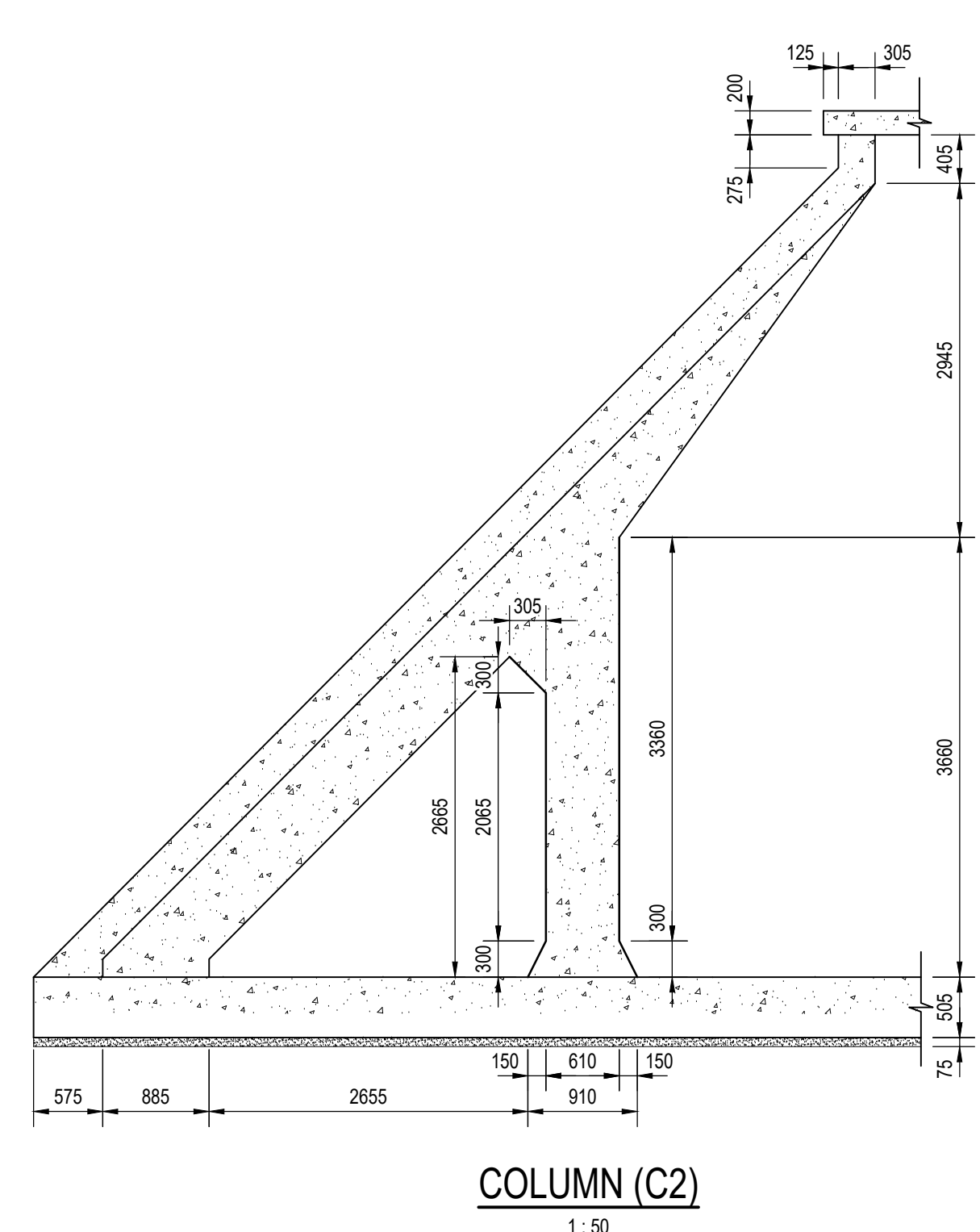
E. MSWELL - Head (W & S)

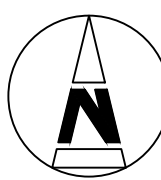
Drawing No. 60591/030 Sheet 1/1 Rev 0







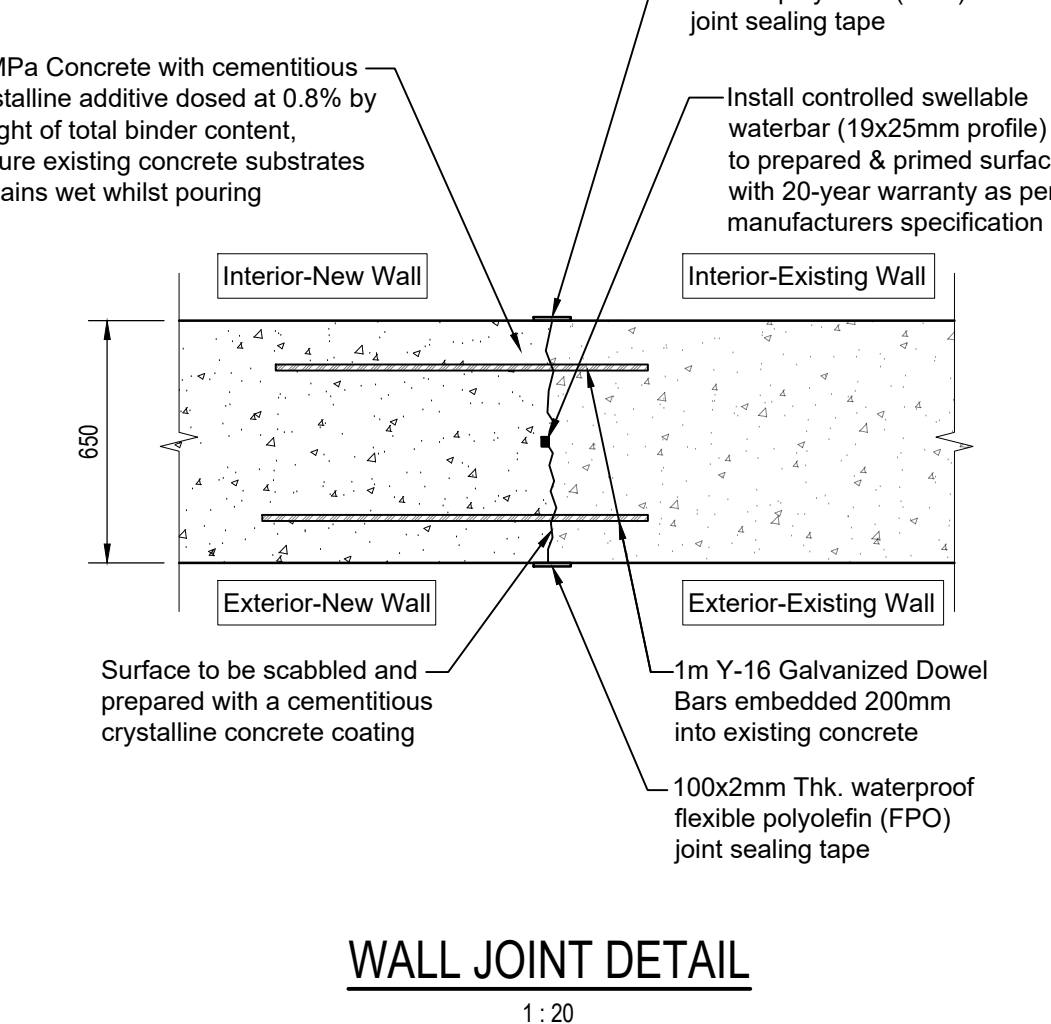
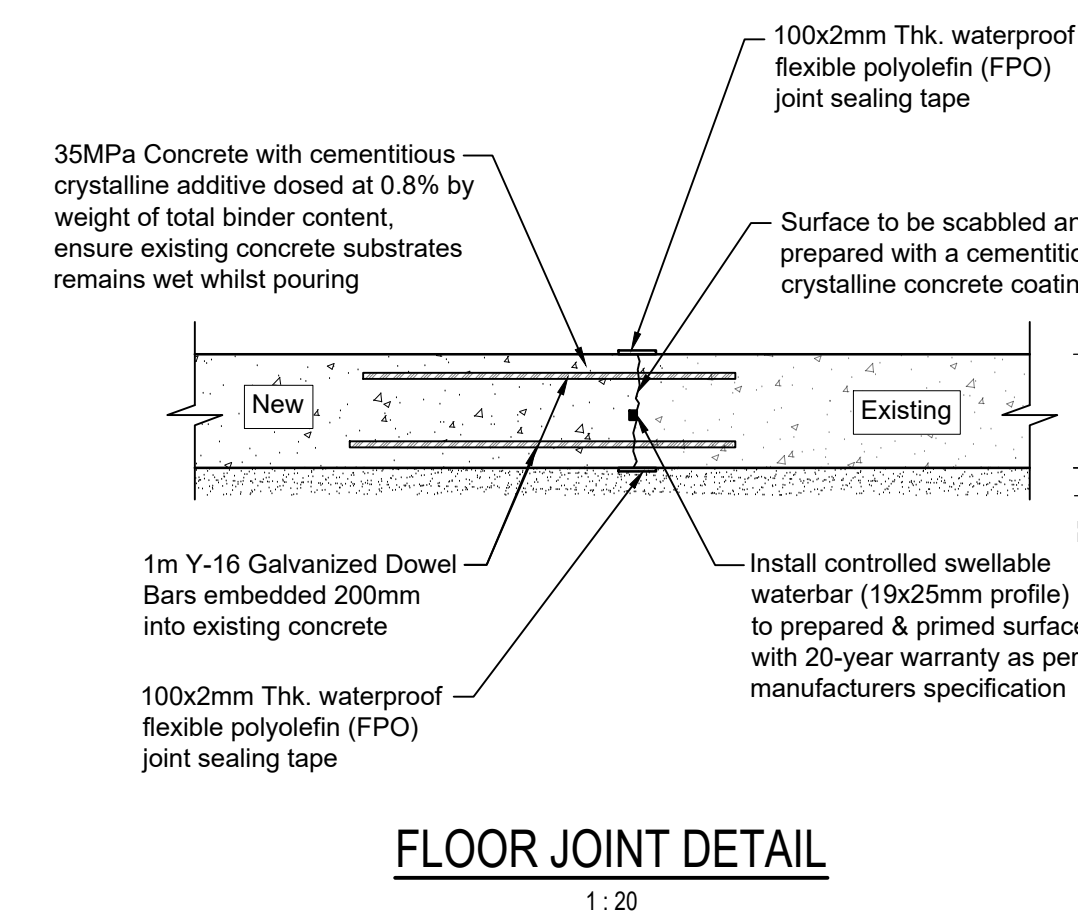
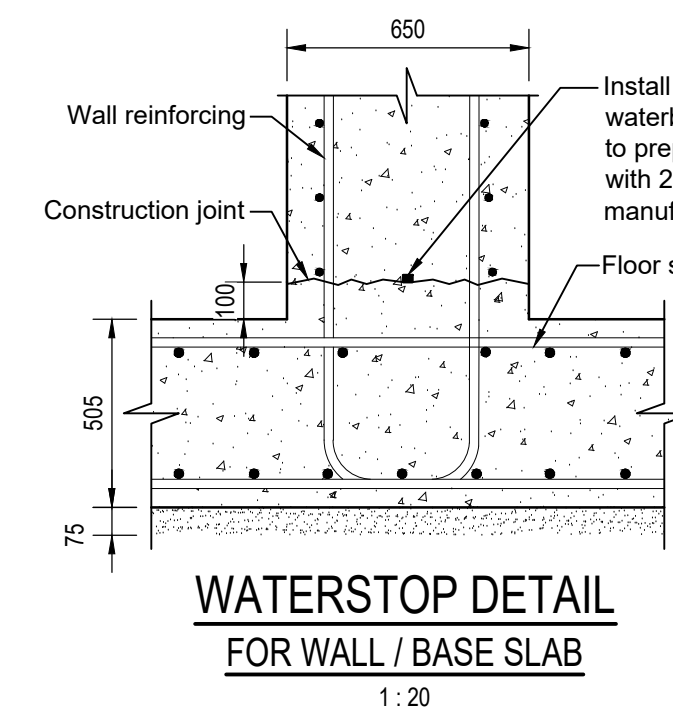
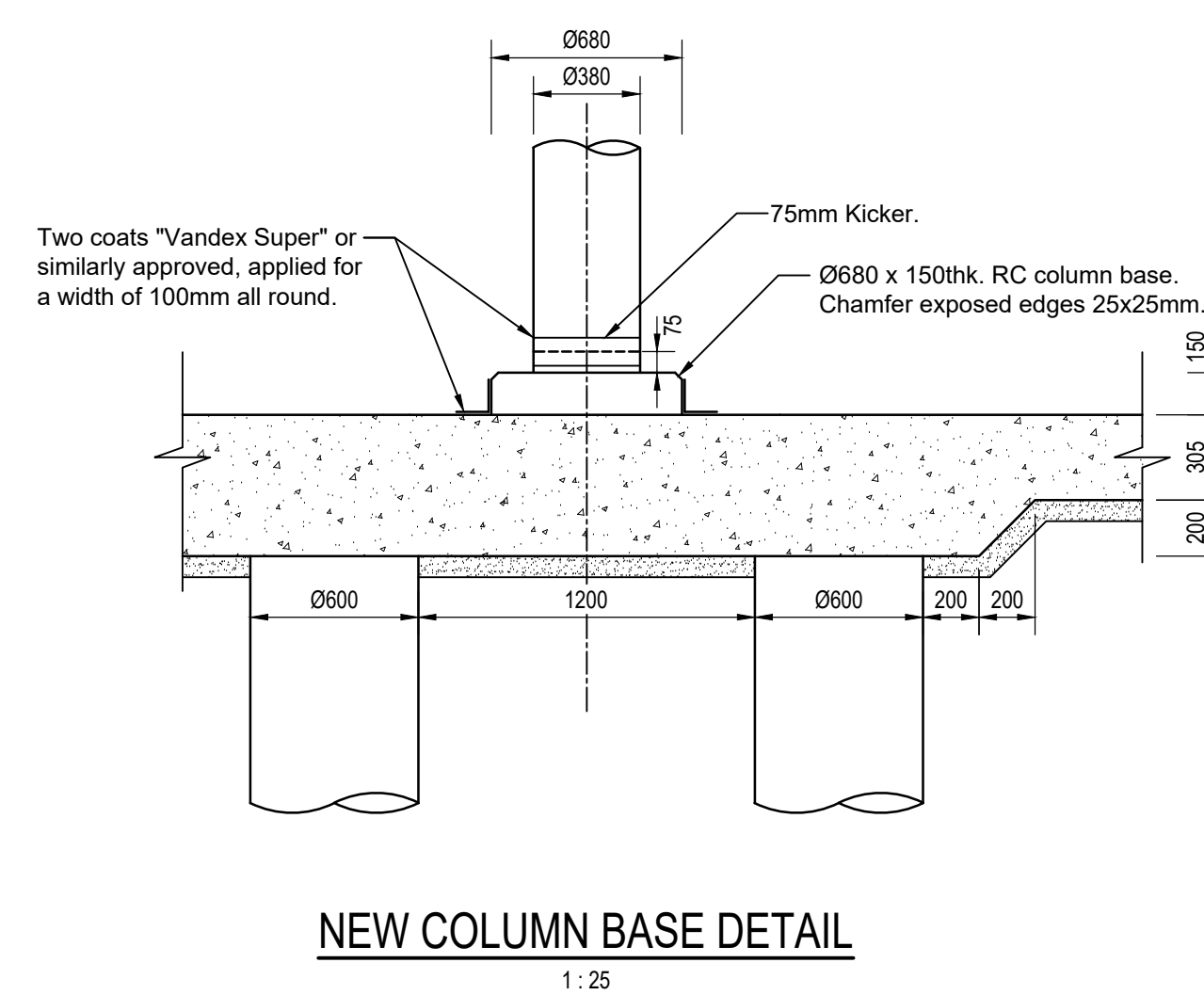
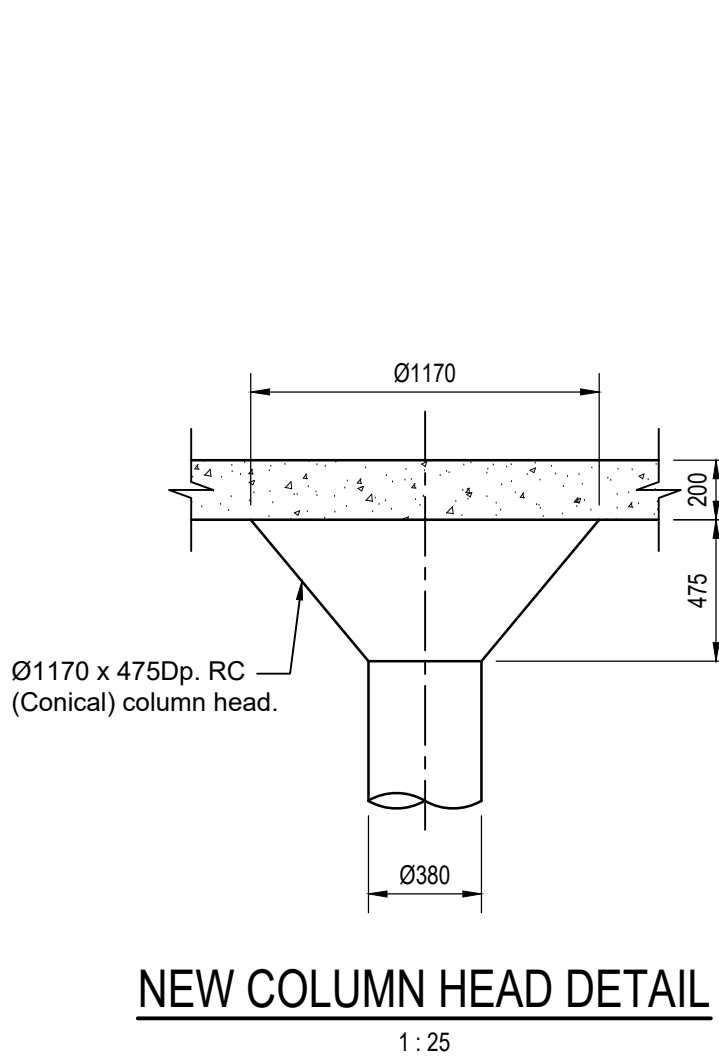
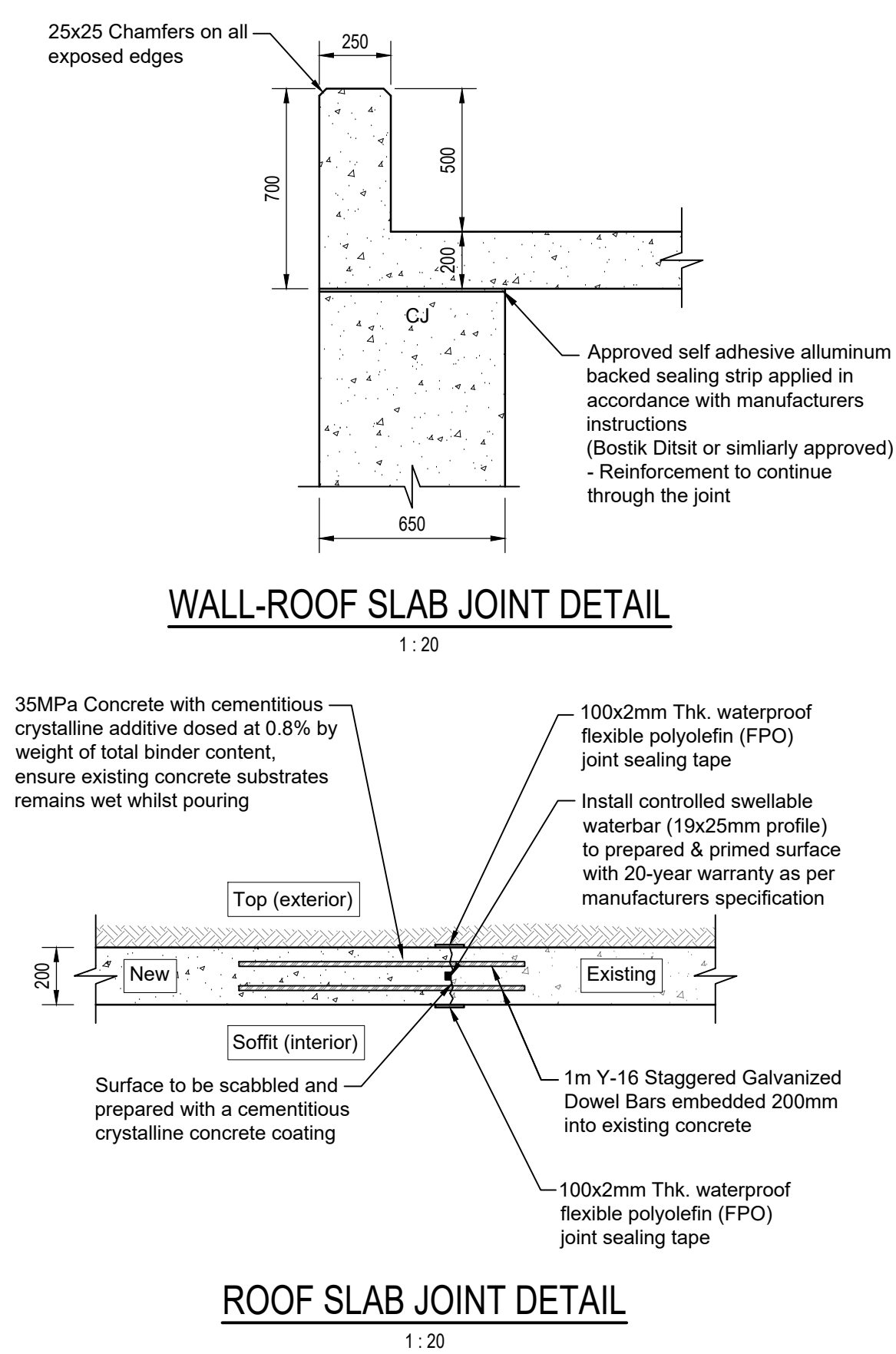
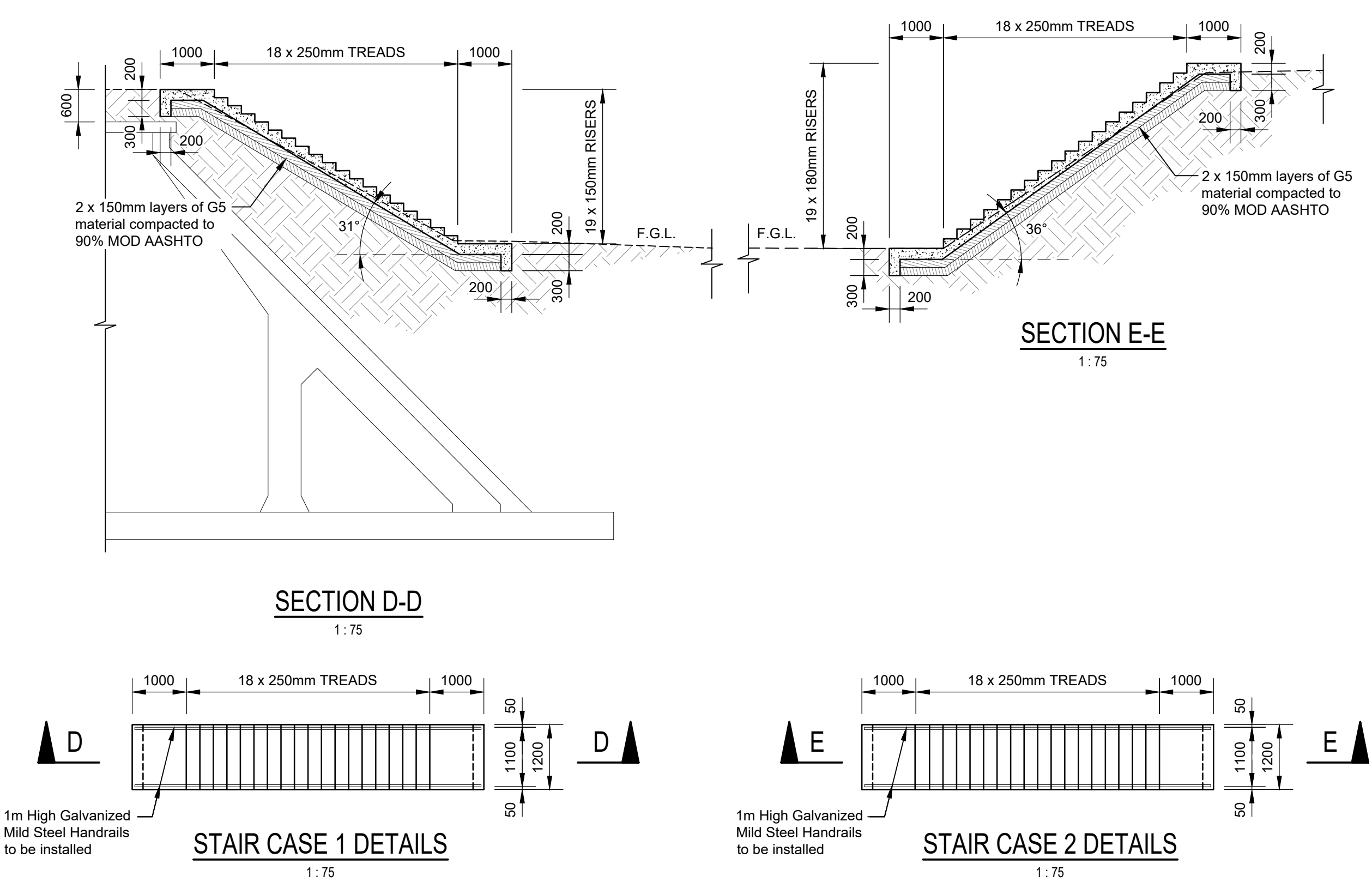
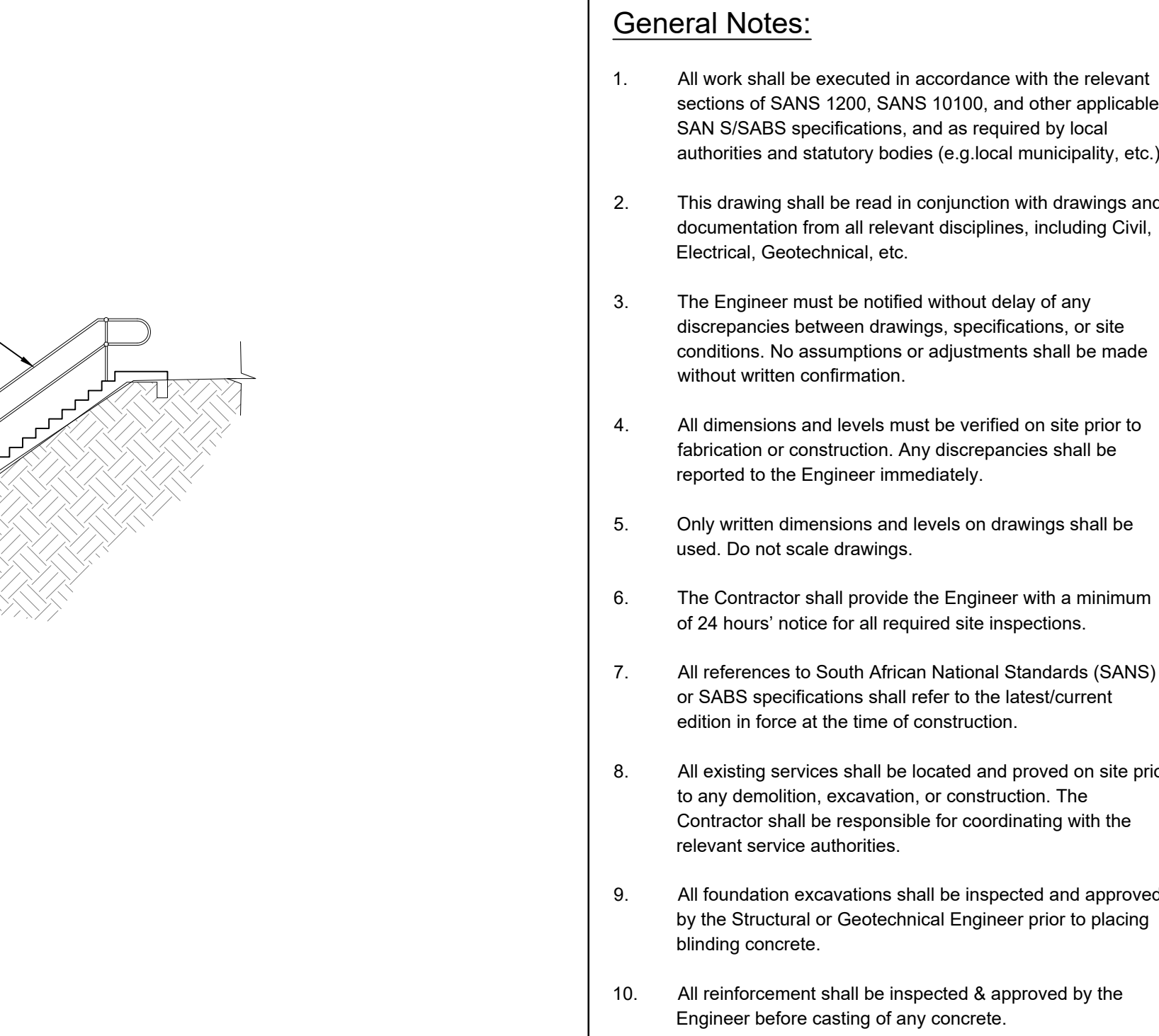


 NORTH POINT			
Contract No. <b>32547 - 5W</b>			
Project No. <b>X8388</b>			
Planning Unit <b>WATER AND SANITATION</b>			
Ward No. <b>64</b>			
Project Title <b>MOBENI 2 RESERVOIR ASSOCIATED WORKS</b>			
Drawing Title <b>RESERVOIR 2 DETAILS : FLOOR PLAN &amp; COLUMN DETAILS</b>			
Scale : AS SHOWN Designed : M.NDLOVU      Date : 05.09.2025 Checked : K.THEVAR      Drawn : N.NANKIAH			
Area Engineer			
Manager (Water Design)			
Deputy Head (Engineering)			
E. MSWELI - Head (W & S)			
Drawing No. <b>60591/031</b>	Sheet <b>2/4</b>	Rev. <b>0</b>	







[illegible]





1. Remove spalled concrete
2. Chip out till an acceptable quality of concrete and expose reinforcement
3. Remove any rust from reinforcement mechanically (eg. wire brush)
4. Apply a cementitious epoxy resin with corrosion inhibitor as a bonding primer & reinforcement corrosion protection
5. Reinststate with a suitable repair mortar, preferably a polymer-modified cementitious mortar or an epoxy-based repair mortar.

1. Using hand tools (Chisels or Raking bars)  
Ream out a uniform depth of at least 15-20mm or until sound mortar is reached (not exceeding 35mm).
2. After reaming, clean out the surface thoroughly by means of a stiff brush & or compressed air.
3. Using an appropriate mortar mix for the masonry unit and exposure class, pack and fully compact mortar to the brick faces, the surface should be dampened before the mortar reinstatement to ensure an adequate bond.
4. Finish the mortar joint with the specified profile (Profiles should shed water effectively) protect fresh joints from rapid drying, rain & frost for at least 3 days (using Hessian or plastic sheeting) Clean brick faces after curing is complete by means of a damp sponge (avoid acid cleaning unless permitted)



1. Prepare the crack-zone, cut horizontal slots of 15-20mm exceeding the crack zone by 500mm, using a diamond blade saw.
2. Remove dust & debris from crack and horizontal slots for optimal bonding.
3. Install high-strength stainless-steel helical bar into slot utilizing a polymer-modified cementitious or epoxy grout to embed the bar securely.
4. Finish surface using a non-shrink grout.





