All pile caps, ground beams, strip footings, and bases **TOC 45,700** unless indicated otherwise.

PILE CAP TYPE F8
SCALE 1:50

PILE CAP TYPE F9
SCALE 1:50

PILE CAP TYPE F10
SCALE 1:50

PILE CAP TYPE F5
SCALE 1:50

PILE CAP TYPE F6
SCALE 1:50

PILE CAP TYPE F11
SCALE 1:50

Revisions:

Rev.	Date	Drawn	Description
C0	14-11-20241	S.J.G	CONSTRUCTION

GENERAL NOTES:
G1. All Works to be in accordance with the Contract / Specification, the latest issue of SANS 10400 and SANS 1200 unless noted otherwise.
G2. Geotechnical and Structural drawings to be read in conjunction with any relevant Architectural, Civil, Mechanical, Electrical or Other drawings. Any errors or discrepancies are to be reported to the Engineer immediately.
G3. The Contractor to keep a full set of drawings on site. Drawings are not to be scaled; use figured dimensions only. Large scale details to be used, where available.
G4. The Contractor is solely responsible for correctly setting out the site, with particular reference to the site boundaries and building lines.
G5. All setting out to Architect's details.
G6. Piles, pile caps, columns, beams, etc. are central on grid lines unless shown otherwise.
G7. Contractor to check all dimensions and levels prior to commencing work on site, and any errors or discrepancies are to be reported to the Engineer immediately.
G8. Engineer to be given 48hr (minimum) notice to all inspections. No inspections, no Stability / Completion Certificate.

EXCAVATION SAFETY NOTES:
E1. On-site safety is the responsibility of the Contractor.
E2. Indicated lines of existing services are approximate. All existing services to be located and protected by the Contractor prior to commencement of excavation.
E3. Battering back, shoring, and making safe of the excavations is the sole responsibility of the Contractor.
E4. All excavations exceeding 1.5m in depth are to be suitably shored during construction such that adjacent structures are not undermined and the excavation is safe for access by personnel and equipment.
E5. All excavations to be kept free of water at all times. On-site stormwater management is the responsibility of the Contractor during construction.
E6. Fill to be rolled at the end of each day's work to ensure grade is such that water is not directed to the excavation.

FOUNDATION NOTES:
O1. No foundation to be cast on fill material, rubble or fill material containing rubble, or insitu soils containing organic material.
O2. Foundation levels indicated are approximate. Final founding level to be determined on site by the Engineer.
O3. The soffit of all foundations to be level. Steps formed in accordance with SANS 10400 to be approved by the Engineer.
O4. All excavations to be kept free of water at all times.
O5. In wet conditions, blinding concrete to be placed below all foundations and ground beams and shall be a minimum of 50mm thick.
O6. All foundations to be inspected by the Engineer prior to reinforcement fixing.

REINFORCEMENT NOTES:
R1. Steel stress and bending of all reinforcement in accordance with SANS 920.
R2. Fixing of reinforcement to comply with the tolerances specified in SANS 1200-GB.
R3. No heating, bending, or cutting of reinforcement without prior approval of the Engineer.
R4. The Contractor is to inspect fixed reinforcement to ensure concrete cover is as specified on the relevant drawings prior to notifying the Engineer of the required inspection.

CONCRETE NOTES:
C1. Concrete mix design to SANS 10100. Design loads from SANS 10160 and Client's specification.
C2. Concrete mix designs to be submitted to Engineer for approval prior to commencement of work.
C3. Only Engineer-approved admixtures to be used.
C4. All concrete to have a minimum compressive strength at 28 days as follows:
- Blinding: 15 MPa / 25mm
- Foundations: 25 MPa / 25mm
- Columns: 30 MPa / 19mm
- Suspended Slabs & Beams: 30 MPa / 19mm

C5. Concrete cover to main reinforcement:
- Foundations: 50 mm
- Columns: 30 mm
- Suspended Slabs & Beams: 25 mm

C6. All concrete work, including formwork stripping times and propping, to SANS 1200-GB.
C7. All sharp edges to concrete to have 25mm chamfers.
C8. Formwork classification:
- Concealed surfaces: Rough
- Exposed surfaces: Smooth (off-shutter)

C9. Exposed surfaces to Grade 9 tolerances.
C10. Uniformed surface finishes as follows:
- Surface Beds: Power-floated
- Suspended Slabs: Power-floated

C11. All services and sleeves to be positioned prior to concrete pour. No in situ concrete to be cast without prior approval from the Engineer.
C12. The positions of all construction joints not shown on the drawings are to be discussed with and approved by the Engineer.
C13. Concrete stripping times: (normal weather)
- Beam sides, walls, unloaded columns: 2 day
- Slabs with props left under: 4 day
- Beam soffits with props left under: 7 day
- Slab props: 10 day
- Beam props: 14 day

C14. Concrete stripping times: (cold weather)
- Beam sides, walls, unloaded columns: 4 day
- Slabs with props left under: 7 day
- Beam soffits with props left under: 12 day
- Slab props: 18 day
- Beam props: 28 day

C15. Staging during construction of multi-storey structures:
- Ground Floor Pour: basement-ground 100 % propping
- First Floor Pour: ground-first 100 %
- basement-ground 75 %

HEALTH DEPARTMENT SIGNATURES
DEPUTY DIRECTOR GENERAL:
HEAD OFFICE PROGRAMME / SERVICE:
DISTRICT MANAGER:
CEO MANAGER OF THE FACILITY:
DOH PROJECT MANAGER:
IMPLEMENTING AGENT PROJECT MANAGER:

PROFESSIONAL SERVICE PROVIDER
Name **S. Gordon (Pr. Eng. 20160768)**
Signature Date
Consultant
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health
Department:
Health
PROVINCE OF KWAZULU-NATAL

KWAZULU-NATAL PROVINCE
PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

SOUTHERN REGION

Project
DEPARTMENT OF HEALTH
PORT SHEPSTONE HOSPITAL
NEW PSYCHIATRIC WARD

Drawing description
FOUNDATION
LAYOUT & DETAILS

Drawn S.J.G Date Feb2024
Scale/s 1:100
Consultant Drawing number 31319-S03 Rev. C0
Drawing number WIMS 044 044 / S / 03 / T0
Stamped by Health Plans Approval Committee