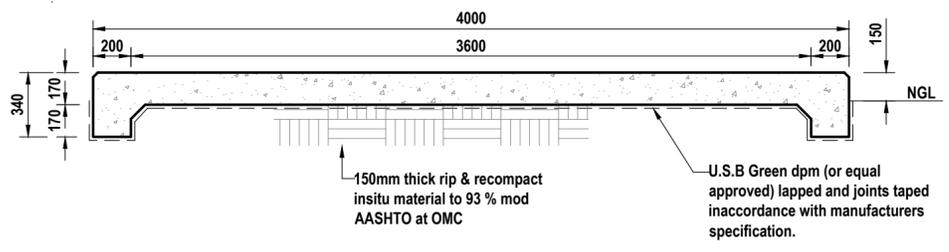
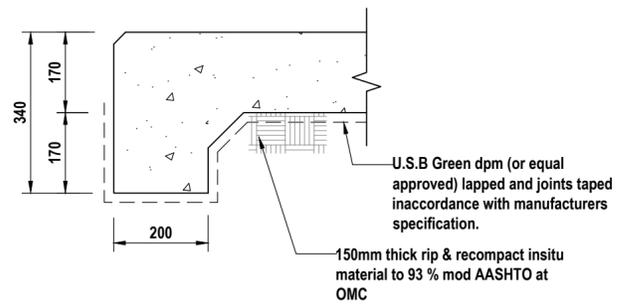


RAFT FOUNDATION LAYOUT
SCALE : 1:25



SECTION A-A
SCALE : 1:25



DETAIL A
SCALE : 1:10

NOTES

CONCRETE NOTES:

- FOUNDATIONS**
- EXCAVATIONS FOR FOUNDATIONS TO BE APPROVED BY THE ENGINEER AND GEOTECHNICAL ENGINEER PRIOR TO THE CONCRETE BEING CAST THEREFORE FOUNDING LEVELS ARE SUBJECT TO CHANGE.
 - ALL FOUNDATIONS TO BE BUILT ON FIRM IN-SITU SOIL (NOT ON FILL).
 - FOUNDING CONDITIONS AS RECOMMENDED IN THE GEOTECHNICAL REPORT BY THE GEOTECHNICAL ENGINEER.

CONCRETE

- CONCRETE CHARACTERISTIC 28-DAY STRENGTH:
 - BLINDING 15 MPa
 - FOUNDATIONS 30 MPa
 - COLUMNS 30 MPa
 - SUSPENDED SLABS & BEAMS 25 MPa
 - GROUND SLABS 25 MPa
- MINIMUM CONCRETE AGGREGATE SIZE 19mm

- ALL CONCRETE TO BE PROPERLY CURED BY KEEPING SURFACES CONTINUOUSLY DAMP FOR AT LEAST 5 DAYS AFTER CASTING.
- ALL CONCRETE WORK MUST CONFORM WITH THE SPECIFICATIONS OF SANS 10100-2 AND SANS 2001-CC1.
- A SET OF THREE (3) TEST CUBES SHALL BE MADE FOR EVERY 50M³ OR PORTION THEREOF FOR EVERY GRADE OF CONCRETE CAST ON A PARTICULAR DAY. CUBES SHALL BE CURED IN ACCORDANCE WITH THE SANS SPECIFICATIONS AND TESTED ON THE REQUISITE DAYS BY AN APPROVED TESTING LABORATORY AS APPROVED BY THE ENGINEER. TEST RESULTS TO BE TIMEOUSLY SUBMITTED TO ENGINEER FOR APPROVAL.
- NO CONCRETE SHALL BE CAST WITHOUT THE ENGINEER HAVING INSPECTED THE REINFORCING. CONCRETE SHALL BE CAST ON WRITTEN APPROVAL OF THE ENGINEER.
- BREAKS IN CONCRETE AND CONSTRUCTION JOINTS ARE ONLY TO BE MADE WITH THE APPROVAL OF THE ENGINEER.
- THE USE OF KICKERS FOR WALL AND COLUMN CONSTRUCTION IS NOT PERMITTED.
- SHOULD THERE BE A BREAK IN EXCESS OF 45MINS. AT ANY STAGE DURING A CONCRETE POUR, THE ENGINEER IS IMMEDIATELY NOTIFIED THEREOF.
- CONCRETE SLABS ARE NOT TO BE USED FOR THE STORAGE OF CONSTRUCTION MATERIALS AND EQUIPMENT WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
- SHUTTERING AND FORMWORK MAY ONLY BE STRUCK ONCE THE FOLLOWING MINIMUM PERIODS HAVE ELAPSED, OR UNLESS OTHERWISE AUTHORISED IN WRITING BY THE ENGINEER. DESIGN OF FALSEWORK AND FORMWORK ARE THE CONTRACTOR'S RESPONSIBILITY.

POSITION OF SHUTTER/PROPS	STRIKE TIME
BEAM SIDES, WALLS, & UNLOADED COLUMNS	2
SLAB SOFFITS WITHOUT REMOVAL OF PROPS	4
BEAM SOFFITS WITHOUT REMOVAL OF PROPS	7
PROPS - UNLOADED SLABS	14
PROPS - UNLOADED BEAMS	21

- MINIMUM COVER TO REINFORCING:
 - FOUNDATIONS 40mm
 - COLUMNS 30mm
 - SUSPENDED SLABS & BEAMS 30mm
 - WALLS, RETAINING WALLS 40mm
- ONLY CONCRETE COVER BLOCKS APPROVED BY THE ENGINEER ARE TO BE USED TO MAINTAIN THE REQUIRED COVER TO REINFORCEMENT.
- THE CONTRACTOR TAKES PARTICULAR CARE TO ENSURE THAT THE SPECIFIED COVER TO ALL REINFORCEMENT IS IATTAINED THROUGHOUT BEFORE THE ENGINEER IS CALLED TO SITE.
- CONCRETE FINISHES:
 - SUSPENDED SLABS WOOD FLOAT
 - COLUMNS & WALLS OFF SHUTTER
 - BEAMS OFF SHUTTER
 - SLAB SOFFIT OFF SHUTTER

REFER TO DRAWING DH6110903-001-00 FOR FENCE LAYOUT DETAIL

FOR TENDER

No.	DESCRIPTION / REVISIONS	DATE
00	FOR TENDER	2022-07-12



PORT OF DURBAN

FOUNDATION FOR AIR QUALITY CONTROL STATION

DATE	2022-07-12	DH - DESIGN CENTRE MANAGER	
SCALE	AS SHOWN	SIGNATURE	DATE
DESIGNED BY	NS	DH - PORT ENGINEER	
CHECKED BY	NZ	SIGNATURE	DATE
DRAWN BY	NS	DH - PLAN DRAWER	
CHECKED BY	NZ	SIGNATURE	DATE

PAPER SIZE	TRANSNET DRW. NO.	SHEET	REV.
A2	DH6110903-002-00		
CONSULTANT / CONTRACTOR DRW. NO.			

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DRAWING NO. DH6110903-002-00 PROJECT STAIR WITH 180 DEGREES LANDING (1) DWG 21/07/2022 11:04:04