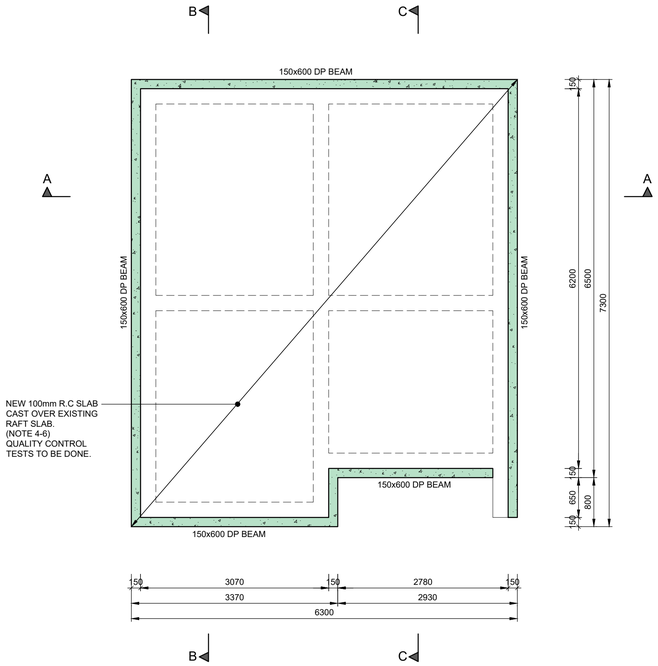
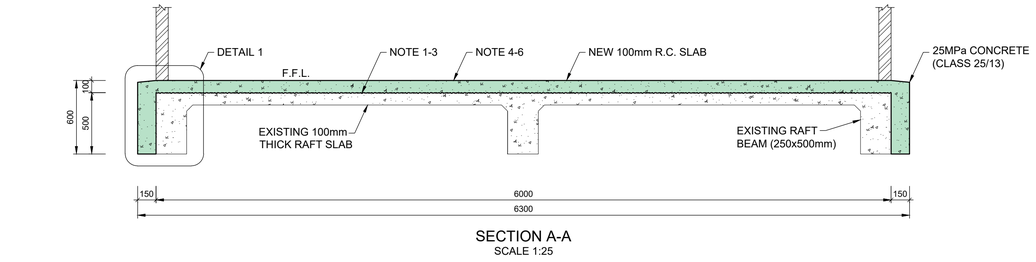
NHBRC:
SOIL CLASSIFICATION : H2
COMPETENT PERSON : DW TERBLANCHE
NHBRC NR : 3000241492
ECSA : 201630290

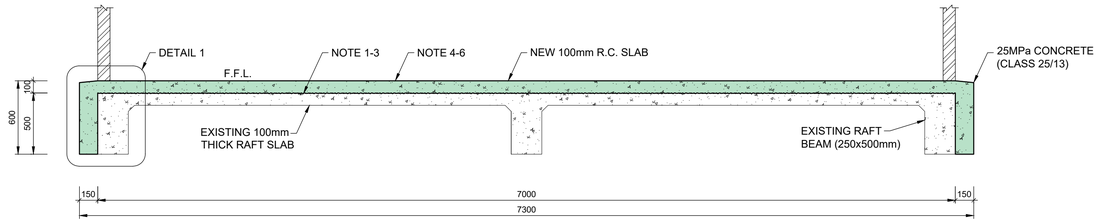
RAFT DESIGN:
COMPETENT PERSON : DW TERBLANCHE
NHBRC NR : 3000241492
ECSA : 201630290



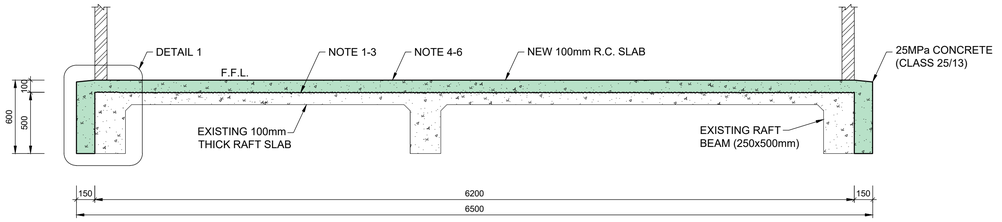
PLAN
SCALE 1:50



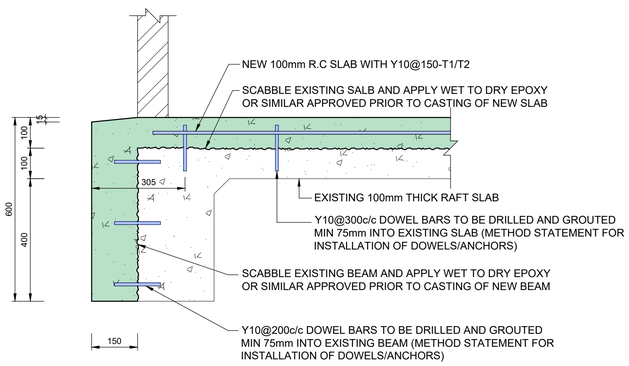
SECTION A-A
SCALE 1:25



SECTION B-B
SCALE 1:25



SECTION C-C
SCALE 1:25



DETAIL 1
SCALE 1:10

NOTES:

1) SCABBLE SURFACE OF EXISTING SLAB TO EXPOSE AGGREGATES. REMOVE ALL LAITANCE AND DUST PARTICLES.
2) 150mm DOWELED CHEMICAL ANCHORS (Y10 @ 300mm c/c) IN BOTH DIRECTIONS TO BE EPOXIED INTO EXISTING SLAB TO A DEPTH OF 75mm MIN.
3) SIKADUR 32N WET TO DRY EPOXY OR SIMILAR APPROVED TO BE APPLIED ON EXISTING SLAB WHICH MUST BE DRY AND CLEAN OF ALL DUST AND LAITANCE. THIS PRODUCT MUST BE APPLIED ON EXISTING SLAB WITH A BRUSH. NEW SLAB TO BE CAST WHEN SIKADUR 32N LAYER IS STILL TACKY.
4) NEW SLAB TO BE CONTINUOUSLY CURED FOR A PERIOD OF 3 DAYS.
5) CUBE RESULTS TO BE SUBMITTED TO ENGINEER FOR 7 DAYS AND 28 DAYS FOR EVERY BATCH OF CONCRETE CAST.
6) NEW RAFT SLAB AND BEAMS TO HAVE A MINIMUM CHARACTERISTIC COMPRESSIVE STRENGTH OF 25MPa AT 28 DAYS. CONCRETE CLASS 25/13.

METHOD STATEMENT FOR INSTALLATION OF DOWELS/ANCHORS

1) DRILL HOLES TO A DEPTH OF 75mm INTO EXISTING RAFT SLAB DIAMETER OF HOLE TO BE IN ACCORDANCE WITH DOWEL SIZE.
2) REMOVE ALL DUST PARTICLE AND LAITANCE FROM HOLE BY MEANS OF A BLOW PUMP OR COMPRESSED AIR.
3) DRILLED HOLE TO BE CLEANED USING STEEL BRUSH.
4) INJECT SIKA ANCHOR FIX OR SIMILAR APPROVED PRODUCT STARTING FROM THE BOTTOM OF THE HOLES. CARE MUST TAKEN WHEN INJECTING THE PRODUCT TO AVOID AIR ENTRAPMENT.
5) INSERT DOWEL/ANCHOR IN A ROTARY MOTION WHICH MAY RESULT IN SOME OF THE PRODUCT BEING EXPELLED FROM THE HOLE.
6) DOWELS/ANCHORS MUST NOT BE MOVED DURING THE CURING PERIOD OF THE INJECTED PRODUCT.
7) INJECTED PRODUCT TO BE USED TO FIX DOWELS/ANCHORS IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND INSTRUCTION.
8) PRODUCT TO BE APPROVED IN PRINCIPLE BY THE DESIGNER PRIOR TO BEING USED ON SITE.

QUALITY CONTROL TESTS TO BE DONE

A. CONCRETE CUBE TESTS:
1. 1 SET OF CUBES (3) REQUIRED FOR EVERY 30m³ (5 TRUCKS) OF CONCRETE PLACED.
2. SAMPLES TO BE TAKEN FROM DIFFERENT BATCHES AND RANDOMLY CHOSEN.
3. AT LEAST ONE SAMPLE SHALL BE TAKEN FROM EACH DAY'S PLACING OF DIFFERENT GRADES OF CONCRETE.
5. TESTS TO BE PERFORMED BY A SANAS APPROVED LABORATORY.
6. ALL CONCRETE TEST CUBES MUST BE SUPPLIED TO THE ENGINEER WITHIN 7 DAYS OF REACHING AGE (7 AND 28 DAYS) FOR APPROVAL.

FOR CONSTRUCTION

0 100
100 MILLIMETRES ON ORIGINAL DRAWING

A BEFORE CONTRACT COMMENCES
A AFTER CONTRACT HAS COMMENCED

Nr.	DATE	AMENDMENTS
A	2021-08-10	DESIGN REVIEW CHANGE TO ACCOMMODATE LOW COMPRESSION STRENGTH

CLIENT
HDA

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PROJECT
KHAYAMNANDI 479 HOUSING PROJECT, DESPATCH

DRAWING DESCRIPTION
RAFT CONCRETE LAYOUT FOR NEW DWELLING ON ERF 1309

DRAWING NO.
10415000-501
A

DESIGNED:	DT		CHECKED:	DT	
DRAWN:	KS		SCALE:	AS SHOWN	A1
APPROVED:			DATE:	2021-08-10	
FILE PATH:	Sharepoint \Port Elizabeth \ 10415000 - Khayamnandi 479 Housing Project, Despatch				