



NOTES:

SCABBLE SURFACE OF EXISTING SLAB TO EXPOSE AGGREGATES. REMOVE ALL LAITANCE AND DUST PARTICLES. 150mm DOWELED CHEMICAL ANCHORS (Y10 @ 300mm c/c) IN BOTH DIRECTIONS TO BE EPOXIED INTO EXISTING SLAB TO A DEPTH OF 75mm MIN.

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.

NEW SLAB TO BE CONTINUOUSLY CURED FOR A PERIOD OF 3 DAYS.

CUBE RESULTS TO BE SUBMITTED TO ENGINEER FOR 7 DAYS AND 28 DAYS FOR EVERY BATCH OF CONCRETE CAST. 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 DRILL HOLES TO A DEPTH OF 75mm INTO EXISTING RAFT SLAB DIAMETER OF HOLE TO BE IN ACCORDANCE WITH DOWEL SIZE. REMOVE ALL DUST PARTICLE AND LAITANCE FROM HOLE BY MEANS OF A BLOW PUMP OR COMPRESSED AIR.

DRILLED HOLE TO BE CLEANED USING STEEL BRUSH. INJECT SIKADUR 32N OR SIMILAR APPROVED PRODUCT STARTING FROM THE BOTTOM OF THE HOLES. CARE MUST BE TAKEN WHEN INJECTING THE PRODUCT TO AVOID AIR ENTRAPMENT. INSERT DOWEL/ANCHOR IN A ROTARY MOTION WHICH MAY RESULT IN SOME OF THE PRODUCT BEING EXPELLED FROM THE HOLE.

DOWELS/ANCHORS MUST NOT BE MOVED DURING THE CURING PERIOD OF THE INJECTED PRODUCT.

INJECTED PRODUCT TO BE USED TO FIX DOWELS/ANCHORS IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND INSTRUCTION.

PRODUCT TO BE APPROVED IN PRINCIPLE BY THE DESIGNER PRIOR TO BEING USED ON SITE.

QUALITY CONTROL TESTS TO BE DONE CONCRETE CUBE TESTS:

1 SET OF CUBES (3) REQUIRED FOR EVERY 30m² (5 TRUCKS) OF CONCRETE PLACED.

SAMPLES TO BE TAKEN FROM DIFFERENT BATCHES AND RANDOMLY CHOSEN.

AT LEAST ONE SAMPLE SHALL BE TAKEN FROM EACH DAY'S PLACING OF DIFFERENT GRADES OF CONCRETE.

TESTS TO BE PERFORMED BY A SANAS APPROVED LABORATORY. ALL CONCRETE TEST CUBES MUST BE SUPPLIED TO THE ENGINEER WITHIN 7 DAYS OF REACHING AGE (7 AND 28 DAYS) FOR APPROVAL.

REV No	DATE	DESCRIPTION
A	11-01-2024	ISSUED FOR INFORMATION

REVISIONS
SIZE ON ORIGINAL DRAWING 100 mm



INSTITUTION
HOUSING DEVELOPMENT AGENCY

STANDARD/PILOT DESCRIPTION

SERVICE
CONSTRUCTION OF ENGOBO 1854

CONTRACT	BUILDING OCCUPANCY CLASSIFICATION	PROJECT STAGE
	A3	5

DISCIPLINE
STRUCTURAL DESIGNS

WORK DESCRIPTION - SUB DIVISION
40M² HOUSE PLAN LAYOUT

DRAWING DESCRIPTION
RAFT CONCRETE LAYOUT

FILE No.	DESIGN	SCALE	DATE	RESPECTABLE PROFESSIONAL NAME	SIGNATURE	PR NUMBER	ITEM No.
	LIZWELETHU KHUMALO	1:100	11/01/2024	JABU MAHLANGU		20180159	
			09/01/2024	REARABLOE MANETHOA			

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PROJ SYSTEM	AUTO CAD	FILE NAME	P03-2302-E1854-03-REV A
SIZE		DRAWING NUMBER	
A1			A