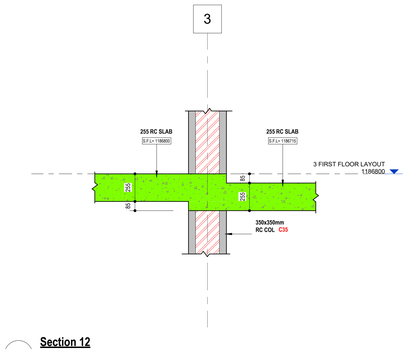
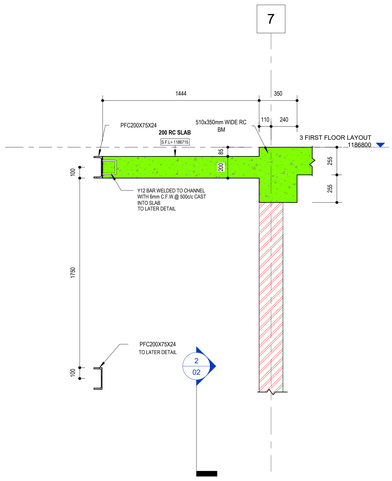
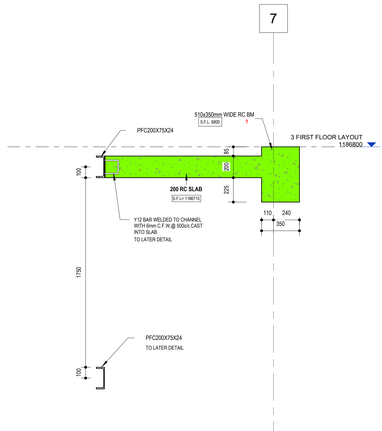


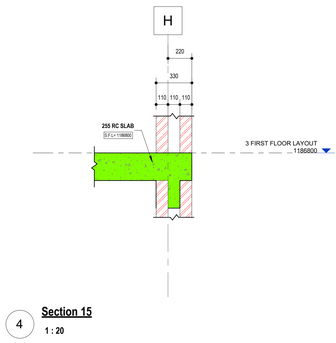
1 **Section 12**
1 : 20



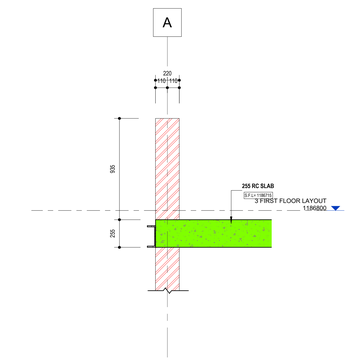
2 **Section 13**
1 : 20



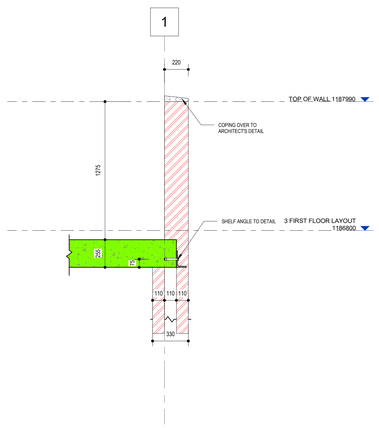
3 **Section 14**
1 : 20



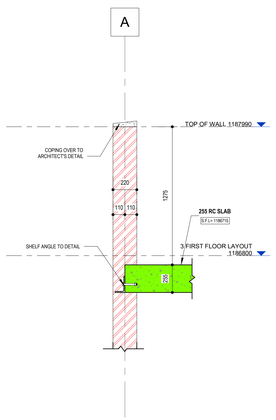
4 **Section 15**
1 : 20



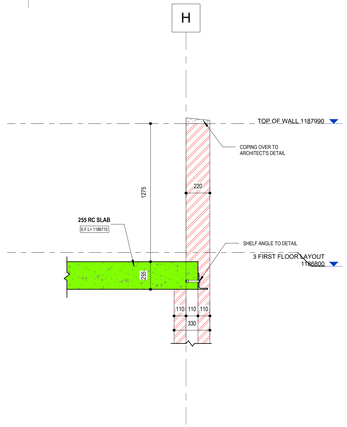
5 **Section 17**
1 : 20



6 **Section 18**
1 : 20



7 **Section 19**
1 : 20



8 **Section 20**
1 : 20

GENERAL NOTES

1. ALL WORK TO BE CONSTRUCTED IN ACCORDANCE WITH NATIONAL BUILDING REGULATIONS, SABS 0100, SABS 1200 GB,GE,GF & THE PROJECT SPECIFICATIONS.
2. DO NOT SCALE ANY DRAWINGS.
3. WORK TO FIGURED DIMENSIONS ONLY.
4. ANY DISCREPANCIES ON THIS DRAWING TO BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO THE IMPLEMENTATION OF ANY WORK.
5. ALL COLUMNS ARE ON CENTRE LINES UNLESS SHOWN OTHERWISE.
6. ALL LOAD BEARING BRICKWORK IS TO BE CONSTRUCTED USING 14MPa BRICKS.
7. THE CONTRACTOR IS TO MAINTAIN A FULL SET OF WORKING DRAWINGS ON SITE.
8. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS ON SITE.
9. ALL CONCRETE SIZES DO NOT I NCLUDE FINISHES UNLESS NOTED OTHERWISE.
10. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL CONTRACT SPECIFICATIONS.
11. FOR RAINWATER DRIPS, CHAMFERS AND CONSTRUCTION JOINTS REFER TO ARCHITECT'S DRAWINGS UNLESS OTHERWISE SHOWN ON THIS DRAWING.
12. THE ENGINEER SHOULD BE GIVEN 48 HOURS NOTICE PRIOR TO ANY NECESSARY SITE INSPECTION.

CONCRETE NOTES

13. ALL REINFORCED CONCRETE WORK TO COMPLY WITH THE LATEST REQUIREMENTS OF SABS 1200 OR AMENDMENTS THEREOF.
14. ALL CONCRETE TO BE ADEQUATELY VIBRATED.
15. A SET OF THREE CUBES TO BE MADE PER MAJOR POUR AND TESTED AT 28 DAYS.
16. CONCRETE FINISHES AS SPECIFIED BY ARCHITECT.
17. ALL REINFORCEMENT IS TO BE INSPECTED BY THE ENGINEER PRIOR TO CASTING OF ANY CONCRETE.
18. ERECTION AND STRIPPING OF FORMWORK AND CURING OF CONCRETE TO BE STRICTLY TO SABS 1200 OR LATEST AMENDMENTS THEREOF.
19. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE REINFORCEMENT IN THE CORRECT POSITION AT ALL TIMES.
20. T.O.C. DENOTES TOP OF CONCRETE LEVEL.
21. COVER TO CONCRETE REINFORCEMENT:
    a) FOUNDATIONS 40mm
    b) COLUMNS 25mm
    c) BEAMS 25mm
    d) SLABS 25mm
22. CONCRETE STRENGTH AT 28 DAYS
    COLUMNS - 30MPa
    WALLS - 25MPa
    BEAMS - 25MPa
    SLABS - 25MPa
    STAIRS - 25MPa
    BASES - 25MPa
    BLINDING - 10MPa

PROJECT MANAGER

HAPPRE GROUP

CLIENT

NATIONAL HEALTH LABORATORY SERVICE

NATIONAL HEALTH LABORATORY SERVICE

	NAME	SIGNATURE	DATE
● CONCEPT DRAWING			
○ TENDER DRAWING			
○ APPROVED FOR CONSTRUCTION			
○ AS-BUILT DRAWING			

DATE:	DRAWN:	DESIGNED:	CHECKED:
19.09.2023	G. MACHIPISA	R.G. MUSWERE	R.G. MUSWERE

Rev	Date	Description	BY	DRAWN	CHCKD

LHE. Africa
You imagine it.. we engineer it
Consulting Structural & Civil Engineers
19 TENDELE ROAD, DOUGLASDALE
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+27617681279

DRAWING TITLE: FIRST FLOOR DETAILS

SCALE AT A0: 1 : 20

DRAWING STATUS: INFORMATION

PROJECT TITLE: NHLS NEW LABORATORY AND OFFICE

DISCIPLINE: STRUCTURAL

JOB No.	DRAWING No.	ISSUE No.
BR_LHE0224	05	A