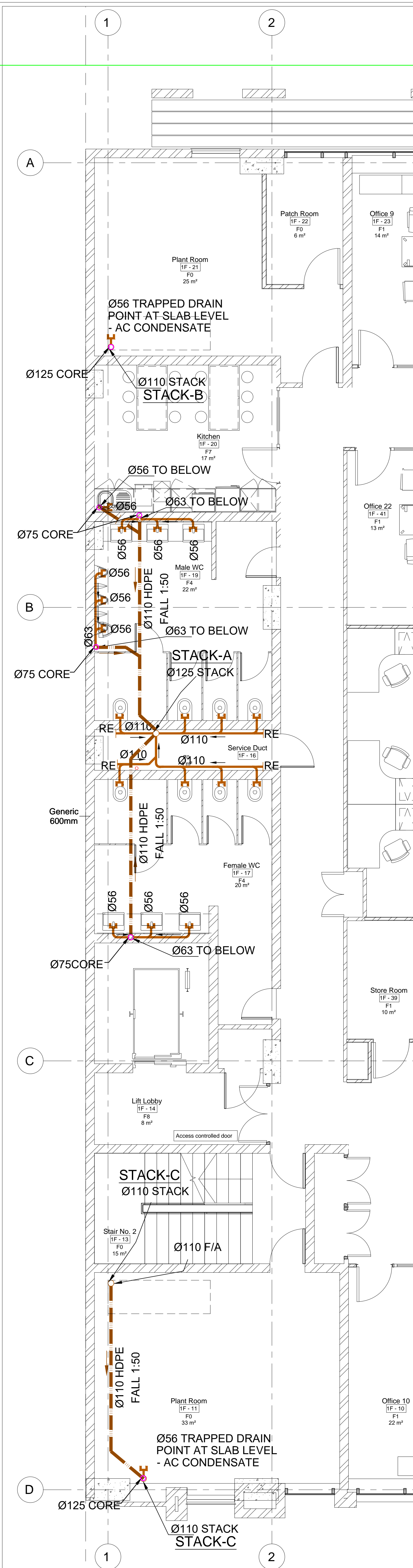
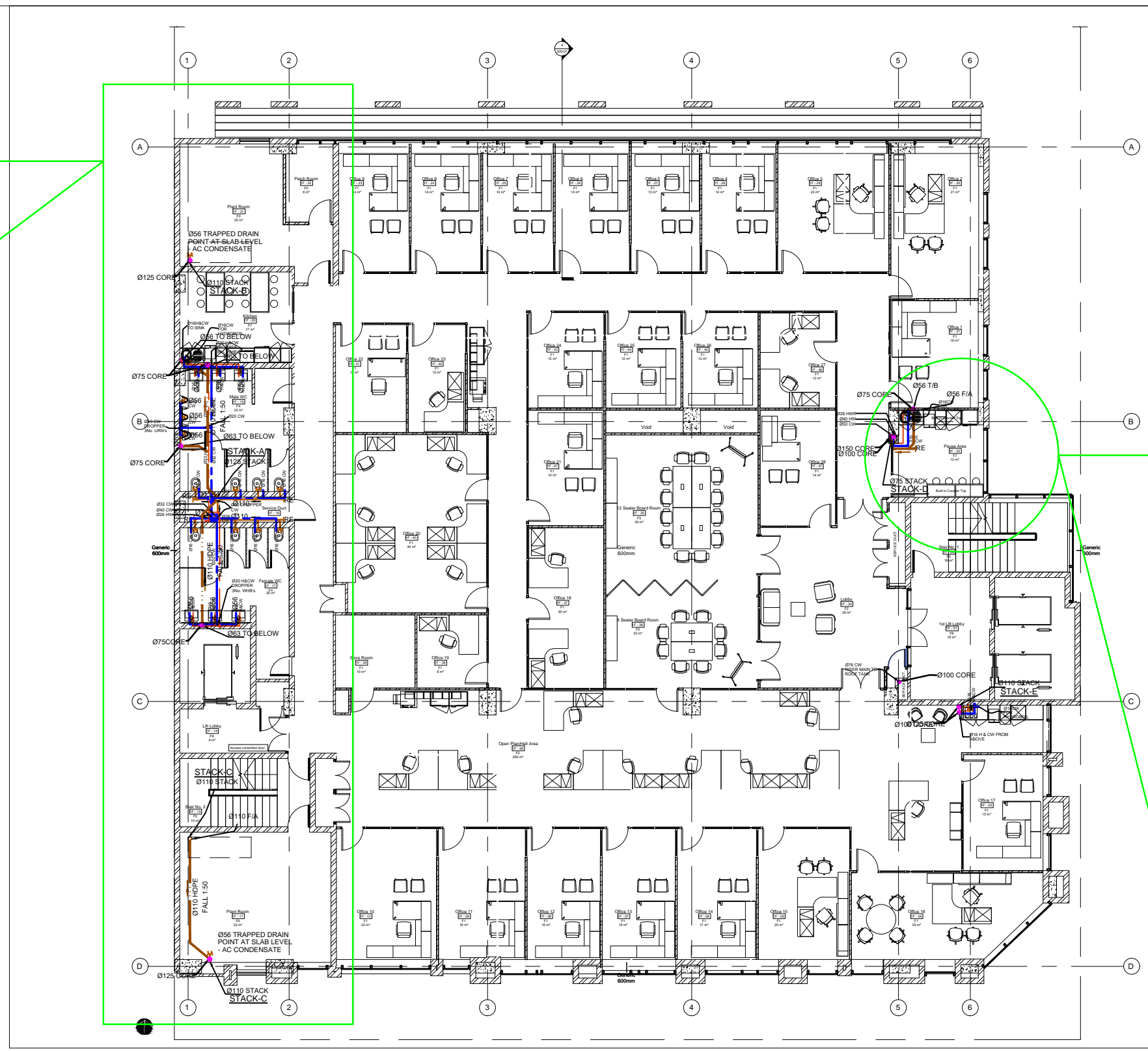


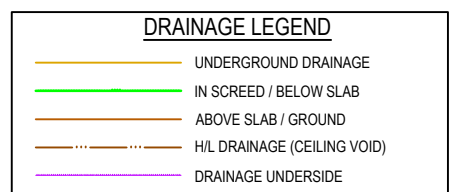
First Floor Domestic Water Part Layout  
1 : 50



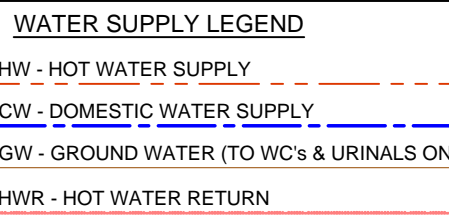
First Floor Drainage Part Layout  
1 : 50



First Floor Layout  
1 : 200

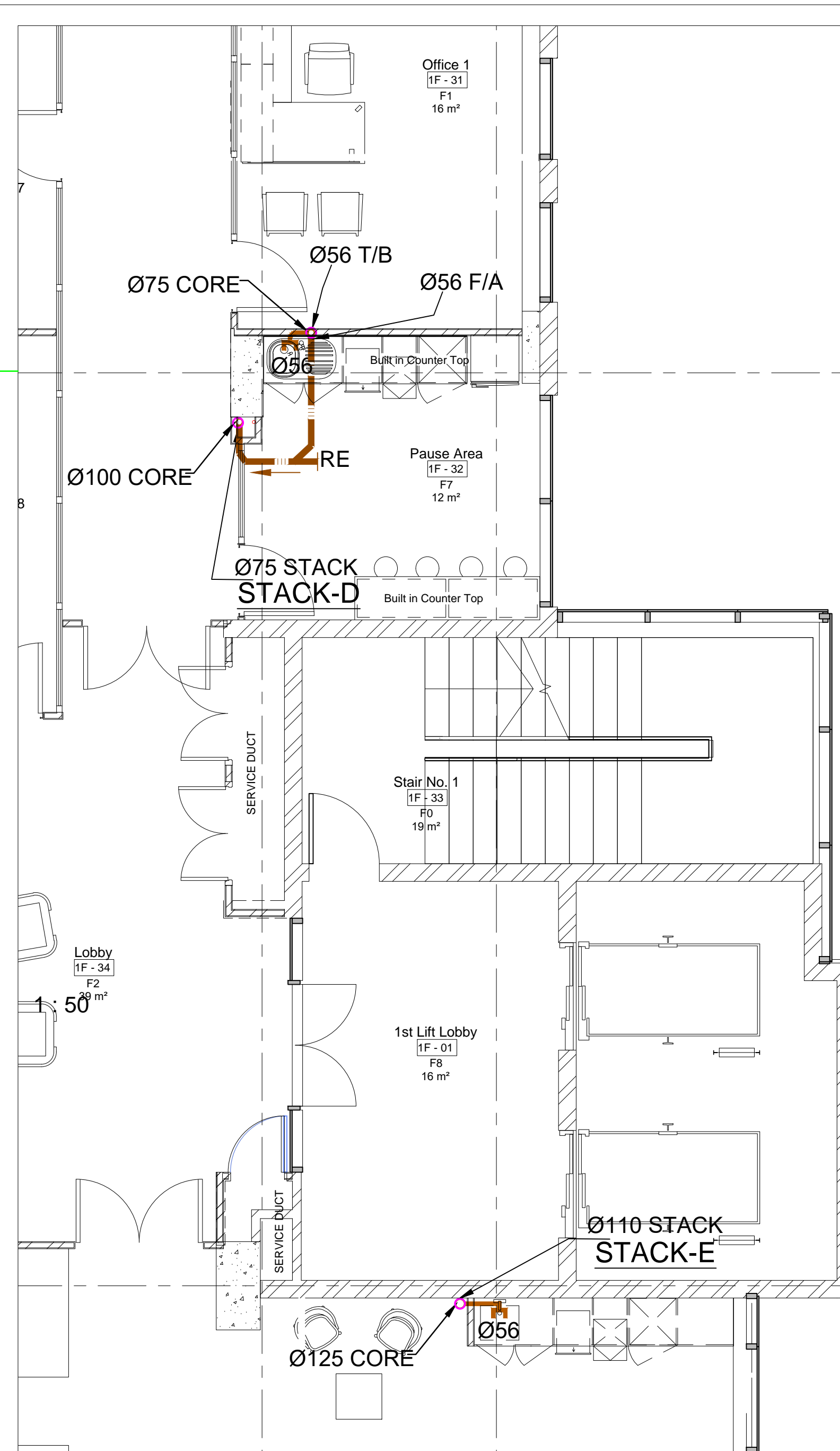


- DRAINAGE NOTES**
1. ALL WORK TO BE CARRIED OUT IN STRICT ACCORDANCE WITH LOCAL AUTHORITY REQUIREMENTS, NOTING RELEVANT REGULATIONS AND THE S.A.B.S. STANDARDS.
  2. THIS DRAWING AND ANY REVISIONS THEREON SHALL BE USED IN FULL AND NOT PART THEREOF.
  3. ALL RELEVANT LEVELS, DIMENSIONS, ETC. MUST BE CHECKED ON SITE BEFORE COMMENCEMENT OF WORK.
  4. ADEQUATE ACCESS TO BE PROVIDED FOR INSPECTION, TESTING AND MAINTENANCE.
  5. LARGEST ALLOWABLE SIZE OF THE BRINE OF STACK OR DRAINAGE SHALL BE 100mm TO 150mm AND SHALL BE 100mm TO 150mm AND SHALL BE 100mm TO 150mm.
  6. DEEP SEAL TRAPS TO BE USED THROUGHOUT.
  7. MINIMUM FALL FOR ALL DRAINAGE SHALL BE 1:100.
  8. ALL PIPES TO BE INSULATED THROUGHOUT THEIR LENGTH, ALL VENT PIPES TO DISCHARGE TO ATMOSPHERE.
  9. RECORDS OF ALL WORK TO BE KEPT FOR THE LIFE OF THE BUILDING.
  10. ACCESS TO DRAIN EVERY 25m.
  11. ALL PIPES LONGER THAN 10m TO INCREASE ONE NOMINAL SIZE OVER A MAXIMUM OF 10m TO 15m PIPES AS PER S.A.B.S. P.14.4.
  12. NO JOINTS TO BE INSTALLED.
  13. ALL JOINTS TO BE MADE WITH A VERTICAL DROP OF 1:100.
  14. ACCESS TO BE PROVIDED AT ALL PLUMBING DUCTS.
  15. ALL PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  16. UNDERGROUND DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  17. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  18. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  19. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  20. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  21. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  22. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  23. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  24. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  25. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  26. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  27. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.

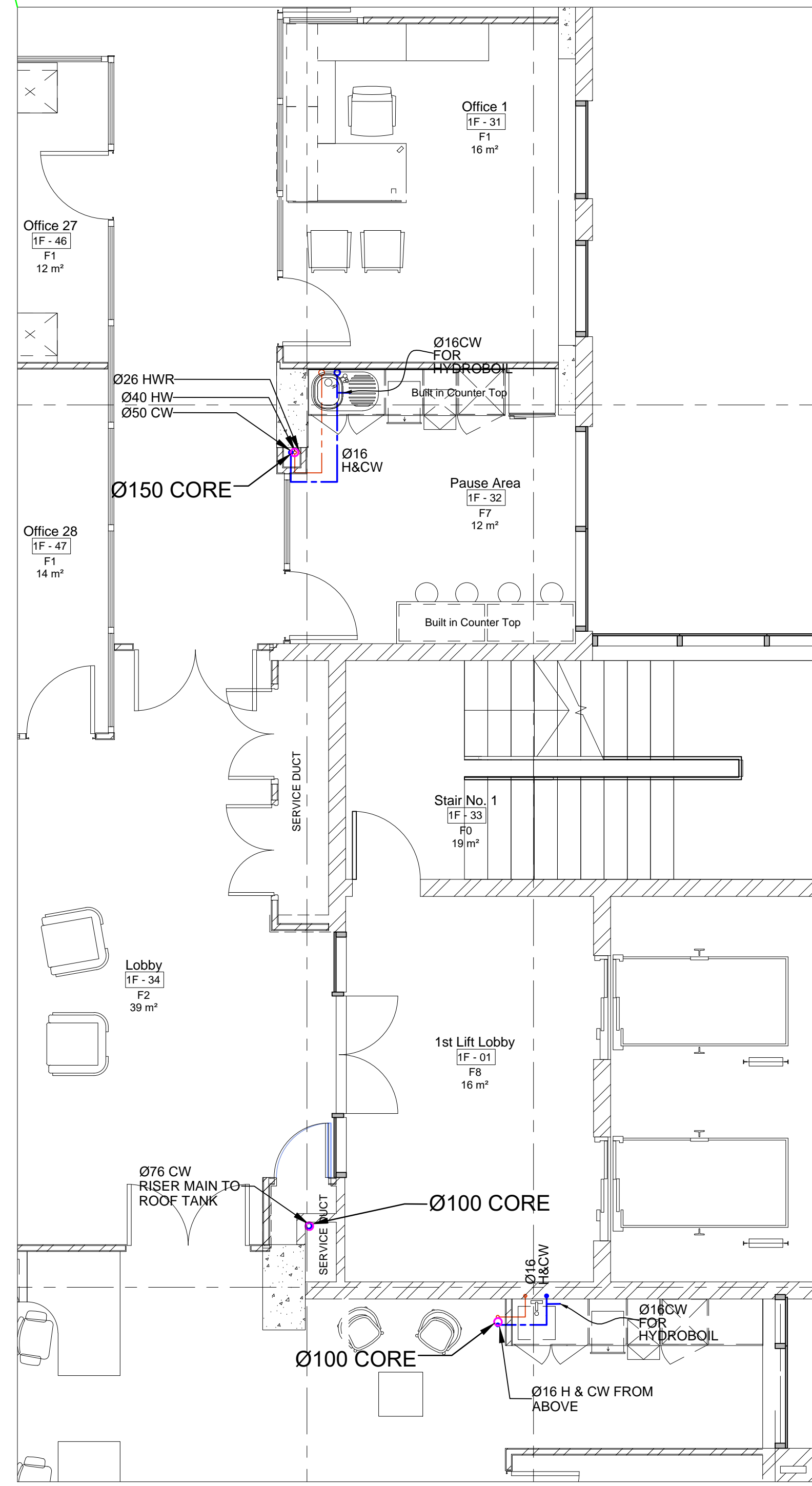


- DOMESTIC WATER NOTES**
1. ALL WORK TO BE CARRIED OUT IN STRICT ACCORDANCE WITH LOCAL AUTHORITY REQUIREMENTS, NOTING RELEVANT REGULATIONS AND THE S.A.B.S. STANDARDS.
  2. THIS DRAWING AND ANY REVISIONS THEREON SHALL BE USED IN FULL AND NOT PART THEREOF.
  3. ALL RELEVANT LEVELS, DIMENSIONS, ETC. MUST BE CHECKED ON SITE BEFORE COMMENCEMENT OF WORK.
  4. ADEQUATE ACCESS TO BE PROVIDED FOR INSPECTION, TESTING AND MAINTENANCE.
  5. LARGEST ALLOWABLE SIZE OF THE BRINE OF STACK OR DRAINAGE SHALL BE 100mm TO 150mm AND SHALL BE 100mm TO 150mm AND SHALL BE 100mm TO 150mm.
  6. DEEP SEAL TRAPS TO BE USED THROUGHOUT.
  7. MINIMUM FALL FOR ALL DRAINAGE SHALL BE 1:100.
  8. ALL PIPES TO BE INSULATED THROUGHOUT THEIR LENGTH, ALL VENT PIPES TO DISCHARGE TO ATMOSPHERE.
  9. RECORDS OF ALL WORK TO BE KEPT FOR THE LIFE OF THE BUILDING.
  10. ACCESS TO DRAIN EVERY 25m.
  11. ALL PIPES LONGER THAN 10m TO INCREASE ONE NOMINAL SIZE OVER A MAXIMUM OF 10m TO 15m PIPES AS PER S.A.B.S. P.14.4.
  12. NO JOINTS TO BE INSTALLED.
  13. ALL JOINTS TO BE MADE WITH A VERTICAL DROP OF 1:100.
  14. ACCESS TO BE PROVIDED AT ALL PLUMBING DUCTS.
  15. ALL PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  16. UNDERGROUND DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  17. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  18. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  19. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  20. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  21. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  22. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  23. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  24. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  25. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  26. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.
  27. DRAINAGE PIPES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE S.A.B.S. STANDARDS.

- NOTES**
1. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  2. ALL CONNECTIONS TO DOMESTIC WATER SHALL BE AT 150mm ANGLE.
  3. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  4. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  5. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  6. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  7. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  8. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  9. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  10. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  11. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  12. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  13. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  14. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  15. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  16. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  17. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  18. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  19. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  20. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  21. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  22. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  23. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  24. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  25. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  26. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.
  27. ALL CONNECTIONS TO WATERS TO BE AT 150mm ANGLE.



First Floor Drainage Part Layout  
1 : 50



First Floor Domestic Water Part Layout  
1 : 50

**GENERAL NOTES:**

All boundaries, dimensions and levels are to be checked on site before construction and any discrepancies are to be reported to the Architect.

Partial Service: Any discrepancies with site or other information is to be advised to the Architect and direction or approval is to be sought before the implementation of the detail.

Do not scale this drawing.

For the purpose of coordination, all relevant parties must check this information prior to implementation and report any discrepancies to the Architect.

**FOR TENDER**

**REVISIONS**

NO.	DATE	DESCRIPTION	REV. BY

© COPYRIGHT. THIS DRAWING MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, IN PART OR IN WHOLE WITHOUT THE PERMISSION OF THE DESIGNER.

ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH SANS CODES, STANDARDS & LOCAL AUTHORITY REGULATIONS.

USE FIGURED DIMENSIONS ONLY - DO NOT SCALE. ANY CONSTRUCTION FROM THESE DRAWINGS IS AT OWNER'S RISK.

ALL BOUNDARIES, DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BEFORE CONSTRUCTION AND ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT.

PARTIAL SERVICE: ANY DISCREPANCIES WITH SITE OR OTHER INFORMATION IS TO BE ADVISED TO THE ARCHITECT AND DIRECTION OR APPROVAL IS TO BE SOUGHT BEFORE IMPLEMENTATION OF THE DRAWING.

FOR THE PURPOSE OF COORDINATION, ALL RELEVANT PARTIES MUST CHECK THIS INFORMATION PRIOR TO IMPLEMENTATION AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.

Mechanical Engineer: Gannu Gounder  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**LDM**  
Solutions For The Built Environment

PTA Office: 239 Lange Street, Midway Macdonald Street, Brooklyn, Pretoria 0180  
Tel: (+27) 12 346 8876

Client: Government Printing Works  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

PROJECT: ERF 3265, Pretoria Central, Government Printing Works  
ADDRESS: 379 Schubart St, Pretoria Central, Pretoria 0001, RSA  
DRAWING TITLE: FIRST FLOORS PLUMBING AND DRAINAGE LAYOUT

BUILDING CLASSIFICATION	CLIMATIC ZONE
G1	2

Paper Size	SCALE
A0	1 : 50

Drawn	Checked	DATE
LM	GG	11/12/2017

PROJECT No.	DRAWING No.	REVISION
GP17-006	P-4002	T0