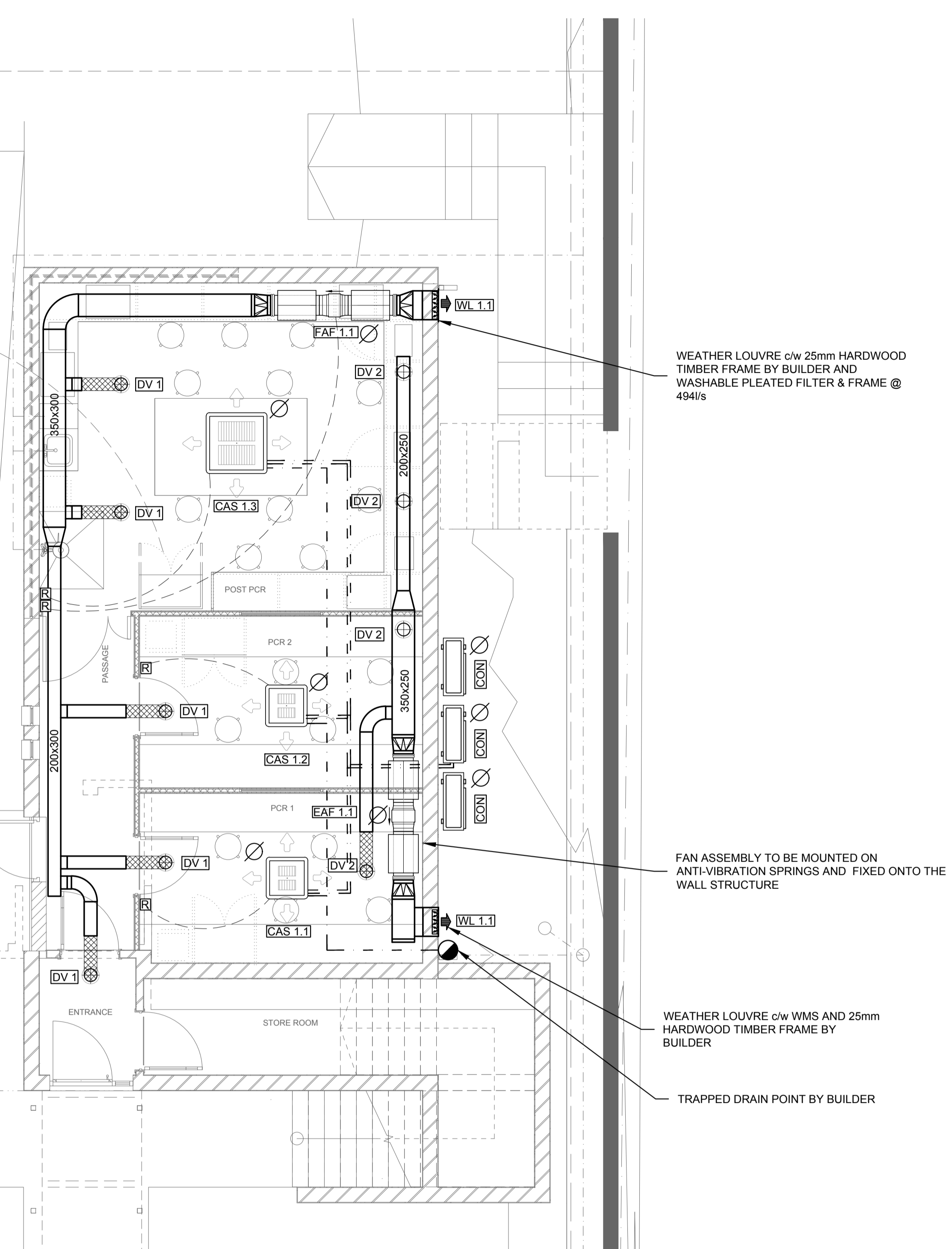


LEGEND	
	400V / 3PHASE / 50 Hz POWER SUPPLY AND ISOLATOR BY ELECTRICIAN.
	240V / 1PHASE / 50 Hz POWER SUPPLY AND ISOLATOR BY ELECTRICIAN.
	THERMOSTAT
	HARD WIRED REMOTE CONTROL
	DOOR UNDERCUT

- GENERAL**
- ALL DIMENSIONS ARE INDICATED IN MILLIMETRES AND MUST BE CONTROLLED ON SITE. THIS DRAWING MUST NOT BE SCALED. ONLY FIGURED DIMENSIONS MAY BE USED.
  - THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH STRUCTURAL, CIVIL AND ELECTRICAL ENGINEERS DRAWINGS.
  - ALL BUILDING WORK IS TO COMPLY WITH SANS 10400 AND LOCAL MUNICIPAL BY-LAWS.
  - ALL GLAZING TO COMPLY WITH PART N. OF SANS 10400.
  - COPYRIGHT IS RESERVED ON ALL DRAWINGS AND DESIGNS.

- ELECTRICAL:**
- ELECTRICAL SUPPLY TO HVAC EQUIPMENT SHALL BE THROUGH A SUITABLE ISOLATOR/ POWER SUPPLY POINT BY OTHERS.
  - FINAL DISTRIBUTION FROM THIS ISOLATOR/POWER SUPPLY POINT, INCLUDING ALL PANELS, DISTRIBUTION BOARDS, THERMOSTAT WIRING, CONTROLLERS ETC, SHALL BE THE RESPONSIBILITY OF THE HVAC CONTRACTOR.
  - ALL ELECTRICAL INSTALLATION WORK UNDERTAKEN BY THE HVAC CONTRACTOR SHALL BE DONE BY A QUALIFIED INSTALLATION ELECTRICIAN/MASTER INSTALLATION ELECTRICIAN AND A CERTIFICATE OF COMPLIANCE SHALL BE PROVIDED ON COMPLETION OF WORK.

- BUILDER'S WORK:**
- A/C CONDENSER UNITS SHALL BE PROVIDED WITH WATER PROOF ISOLATOR.
  - ALL DRAIN PIPES SHALL BE CONNECTED TO THE NEAREST STORM WATER OR AS INDICATED.
  - A/C CONTRACTOR MUST MARK UP ON SITE ON BUILDER'S WORK PRIOR TO INSTALLATION FOR CORING OF HOLES.
  - ALL CONDENSER UNITS SHALL BE INSTALLED AT THE POSITIONS SHOWN ON THE DRAWING.
  - WALL OPENINGS OF REQUIRED DIAMETER SHALL BE PROVIDED FOR THE INSTALLATION OF EXTRACTOR FANS AT THE POSITIONS INDICATED ON THE DRAWING.



WEATHER LOUVRE c/w 25mm HARDWOOD TIMBER FRAME BY BUILDER AND WASHABLE PLEATED FILTER & FRAME @ 494/s

FAN ASSEMBLY TO BE MOUNTED ON ANTI-VIBRATION SPRINGS AND FIXED ONTO THE WALL STRUCTURE

WEATHER LOUVRE c/w WMS AND 25mm HARDWOOD TIMBER FRAME BY BUILDER

TRAPPED DRAIN POINT BY BUILDER

REV.	BY	DESCRIPTION	DATE
4	M.L.	ISSUED FOR TENDER	15/08/18
3	M.L.	CASSETTE UNIT CAPACITY REVISED	10/07/18
2	M.L.	ISSUED FOR APPROVAL	09/07/18
1	M.L.	INTERNAL REVIEW	25/06/18

DRG. No. REFERENCE DRAWING  
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**ISO 9001:2000 CERTIFIED**

D/O MANAGER	K. NEL	DRAWN	M. LLOYD
CHECKED	G. BOTHMA	PROCESS ENGINEER	
CIVIL ENGINEER		STRUCTURAL ENGINEER	
INSTRUMENT ENGINEER		ELECTRICAL ENGINEER	
MECHANICAL ENGINEER	G. BOTHMA		

APPROVED \_\_\_\_\_  
PROJECT MANAGER \_\_\_\_\_ DIVISION MANAGER \_\_\_\_\_

**SBIMB LABORATORY  
NEW ADDITIONAL LABORATORY**

**GROUND FLOOR  
HVAC LAYOUT**

SCALE 1:50 DATE 15/08/2018

DRAWING NUMBER 10519/002/5/100/AC/0002 REVISION 4

**AIR TERMINAL SCHEDULE**

REFERENCE	SIZE	DESCRIPTION	QUANTITY
DV 1	Ø200	TROX DISC VALVE	5
DV 2	Ø200	TROX DISC VALVE	4
WL 1.1	450x450	WEATHER LOUVRE	2

**HVAC EQUIPMENT SCHEDULE**

REFERENCE	SUPPLIER	MODEL	COOLING (kW)	HEATING (kW)	POWER	LOCATION SERVED
CAS 1.1	DAIKIN	-	5.0	6.0	1Ph - 220V	PCR 1
CAS 1.2	DAIKIN	-	5.0	6.0	1Ph - 220V	PCR 2
CAS 1.3	DAIKIN	-	9.5	10.6	1Ph - 220V	POST PCR

**FAN SCHEDULE**

REFERENCE	LOCATION SERVED	TYPE	SIZE (mm)	QUANTITY	FLOWRATE (l/s)	MOTOR kW	POWER	ATTENUATORS	NOTES
EAF 1.1	GROUND FLOOR	IN-LINE DUCTED - AXIAL FLOW	Ø315	1	412	0.2	1Ph - 220V	2-OFF 600L	FAN TO BE CONNECTED TO LIGHT CIRCUIT AND ON/OFF SWITCH OVERRIDE
FAF 1.1	GROUND FLOOR	IN-LINE DUCTED - AXIAL FLOW	Ø315	1	494	0.2	1Ph - 220V	2-OFF 600L	FAN TO BE CONNECTED TO LIGHT CIRCUIT AND ON/OFF SWITCH OVERRIDE