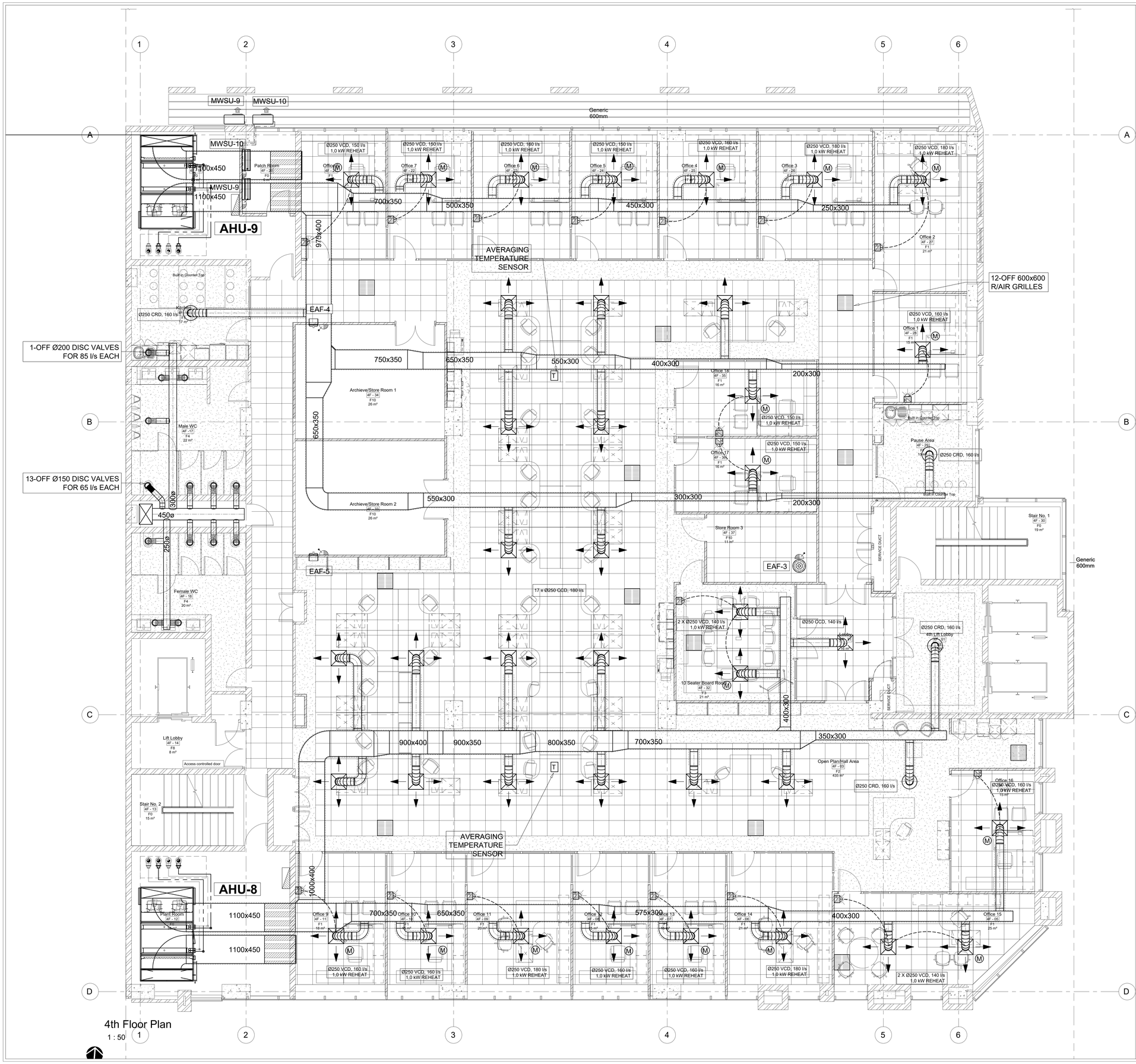


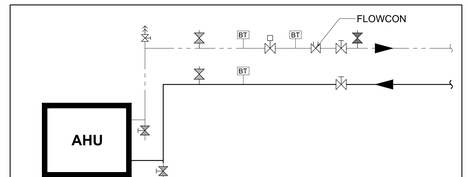
4th Floor Plan
1 : 50

A/C NOTES:

1) ALL EXPOSED DUCTING TO HAVE MEZZ OR EQUAL FLANGES.
2) ALL DUCTING WITH SEMI-PERIMETER >1150mm TO HAVE MEZZ OR EQUAL FLANGE
3) EXPOSED DUCTING TO BE PAINTED IN ACCORDANCE WITH STANDARD QUALITY SPECIFICATIONS.
4) ALL SUPPLY & RETURN AIR DUCTING TO BE EXTERNALLY INSULATED WITH 25mm F.R.K. FOIL-FACED FIBREGLASS. (UNLESS NOTED OTHERWISE)
5) ALL DUCT PENETRATIONS THROUGH WALLS c/w 25mm HARDWOOD FRAME - BY BUILDER.

SYMBOL LEGEND

	ISOLATOR AND ELECTRICAL SUPPLY: 380 VOLT/ 3-PHASE.
	INDICATED D/B BOARD.
	ELECTRICAL POWER SUPPLY: 220V/SINGLE PHASE.
	WALL BOX: 100 X 100 WITH [25 CONDUIT TO PANEL.
	OPENING THROUGH WALL: 50mm LARGER THAN DUCT.
	OPENING THROUGH WALL: WITH 25mm HARDWOOD FRAME.
	DOORS TO BE UNDERCUT BY 20mm
	MAINS WATER SUPPLY: WITH GATE VALVE-SIZE AS NOTED.
	DRAIN: NB 100, CONNECTED INTO SEWER SYSTEM.
FIN	FIRE RELAY - BY FIRE PROTECTION CONTRACTOR
	STARTER WITH OVERLOAD PROTECTION - BY AIR CONDITIONING CONTRACTOR
	FIRE DAMPER - MOTORISED SPRING RETURN
	UNINSULATED DUCTING
	INTERNALLY INSULATED DUCTING
	EXTERNALLY LAGGED DUCTING
	REMOTE ON/OFF SWITCH - 100 x100 WALL BOX WITH 25mm CONDUIT INTO CEILING VOID.
M	BMS TEMPERATURE SENSOR
M	THERMOSTAT (MASTER DIFFUSER)



TYPICAL CHILLED / HEATING WATER PIPE CONNECTIONS TO AIR HANDLING UNITS (2-WAY CONTROL VALVE)

PIPING LEGEND:

	BUTTERFLY VALVES
	ISOLATING VALVE
	SAUNDERS VALVE / BALANCING VALVE
	CHECK VALVES
	MOTORISED VALVE
	THREE-WAY VALVE
	FLOWCON VALVE
FS	FLOW SWITCH - 20
	STRAINER WITH 32 BALL VALVE + DRAIN
BT	BINDER TEST POINT - 10
	FLEXIBLE COUPLING
FM	SIGNET FLOW METER - 50
B	BMS TEMP POINT - 15
S	SUMMIT POINT - 20
	DRAIN POINT : AHU'S - 20 : CHILLERS - 20
	THERMOMETER WELL ONLY - 20
WT	WATER TREATMENT SOCKET AND BALL VALVE - 20
WT DP	WATER TREATMENT DOSING POT SOCKET AND BALL VALVE - 20
	FLOW CONTROL METER
DPS	DIFFERENTIAL PRESSURE SENSOR
	PRESSURE GAUGE
EM	kW HR ENERGY METER
	AUTOMATIC AIR VENT
	S/TUBE AND BALL VALVE FOR PRESSURE TEST POINT - 15Ø

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:

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ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH SANS CODE 10400, N.B.R & LOCAL AUTHORITY BYLAWS.

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.

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

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ERF 3265, Pretoria Central, Goverment Printing Works

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DRAWING TITLE:
FOURTH FLOOR AIRCONDITIONING & VENTILATION LAYOUT

BUILDING CLASSIFICATION: G1	CLIMATIC ZONE: 2
Paper Size: A0	SCALE: 1 : 50
Drawn: LM / Checked: GG	DATE: 11/12/2017
PROJECT No. GP/17-006	REVISION: T0
DRAWING No. M-1005	