

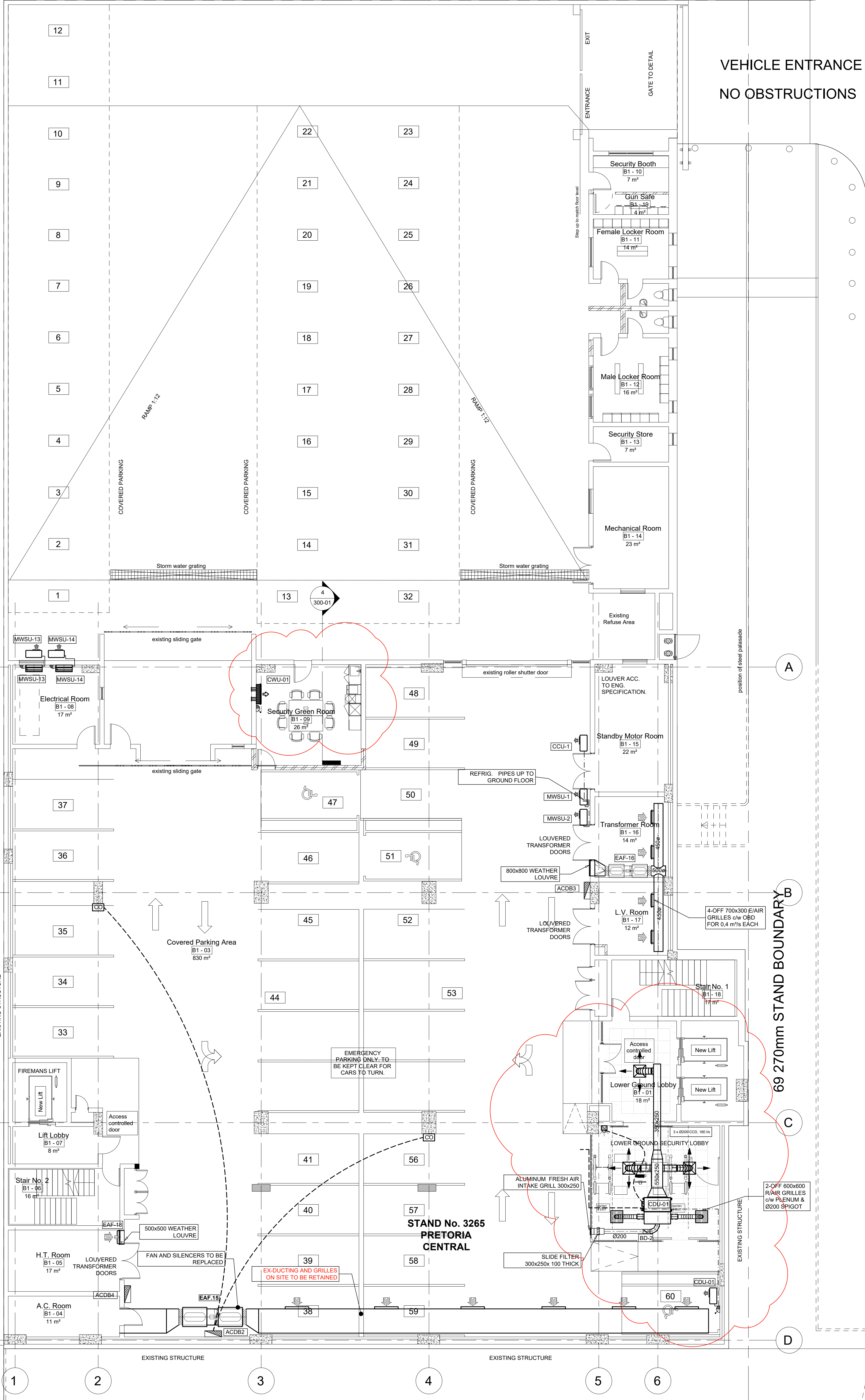
STAND No. 640 - PRETORIA CENTRAL

36 840mm STAND BOUNDARY

EXISTING LIGHT INDUSTRIAL BUILDING

STAND No. R/681 PRETORIA CENTRAL

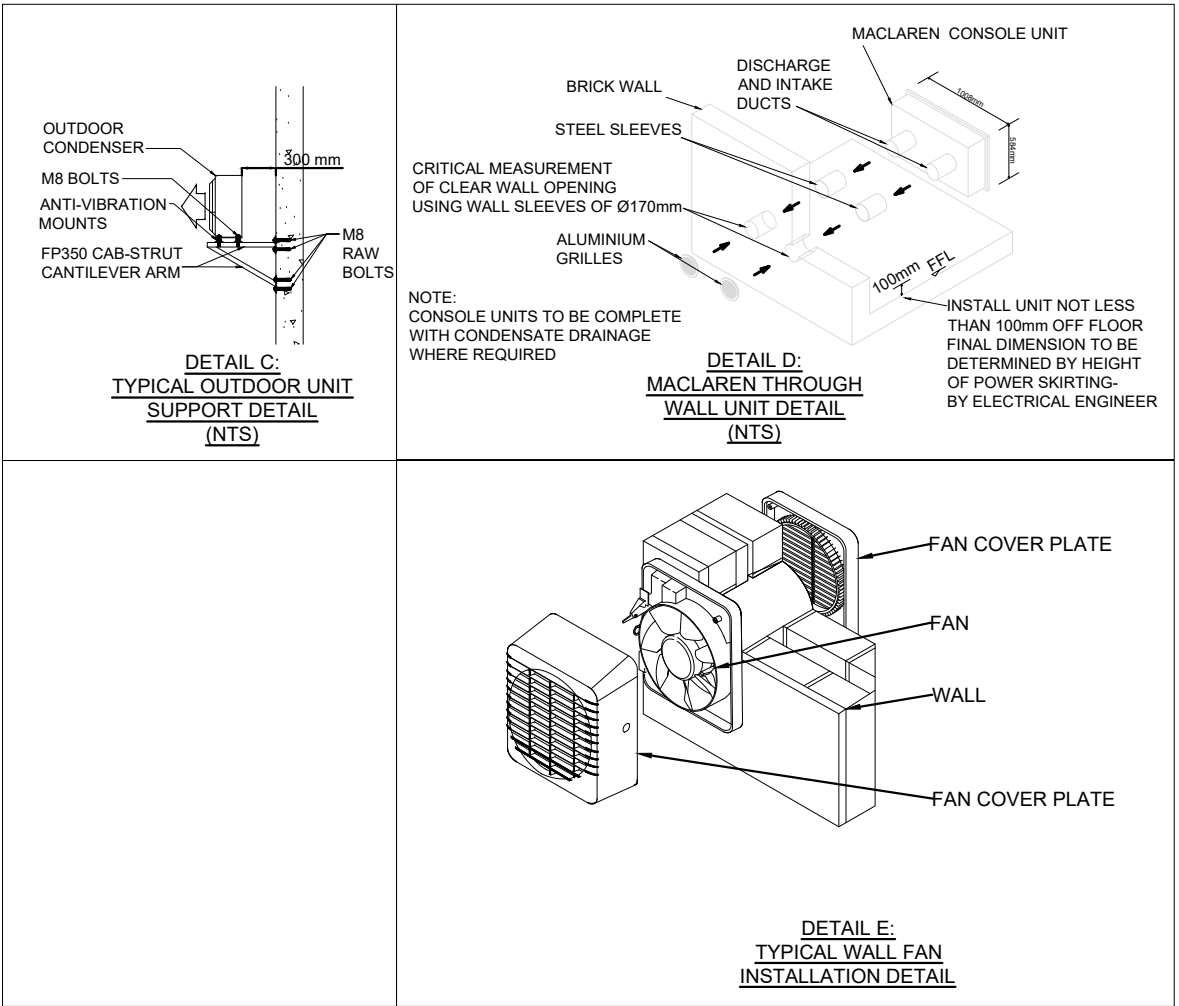
69 270mm STAND BOUNDARY



VEHICLE ENTRANCE
NO OBSTRUCTIONS

- A/C NOTES:**
- 1) ALL EXPOSED DUCTING TO HAVE MEZZ OR EQUAL FLANGES.
 - 2) ALL DUCTING WITH SEAM 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. FOL-FACED FIBREGLASS. (UNLESS NOTED OTHERWISE)
 - 5) ALL DUCT PENETRATIONS THROUGH WALLS
OW 25mm HARDWOOD FRAME - BY BUILDER.

SYMBOL LEGEND	
	ISOLATOR AND ELECTRICAL SUPPLY: 380 VOLT/3-PHASE
	INDICATED DB 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
	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
	BMS TEMPERATURE SENSOR
	THERMOSTAT MASTER DIFFUSER



GENERAL NOTES:

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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

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Mechanical Engineer: Ganny Gonder

Signature: _____ Date: _____



PTA Office: 239 Lange Street, New Macdonald Street, Brooklyn, Pretoria 0180

• Tel: (+27) 12 346 8676

Client: Government Printing Works

Signature: _____ Date: _____

PROJECT: ERF 3265, Pretoria Central, Government Printing Works

ADDRESS: 379 Schubart St, Pretoria Central, Pretoria, 0002, RSA

DRAWING TITLE: LOWER GROUND FLOOR AIRCONDITIONING & VENTILATION LAYOUT

BUILDING CLASSIFICATION: G1 CLIMATIC ZONE: 2

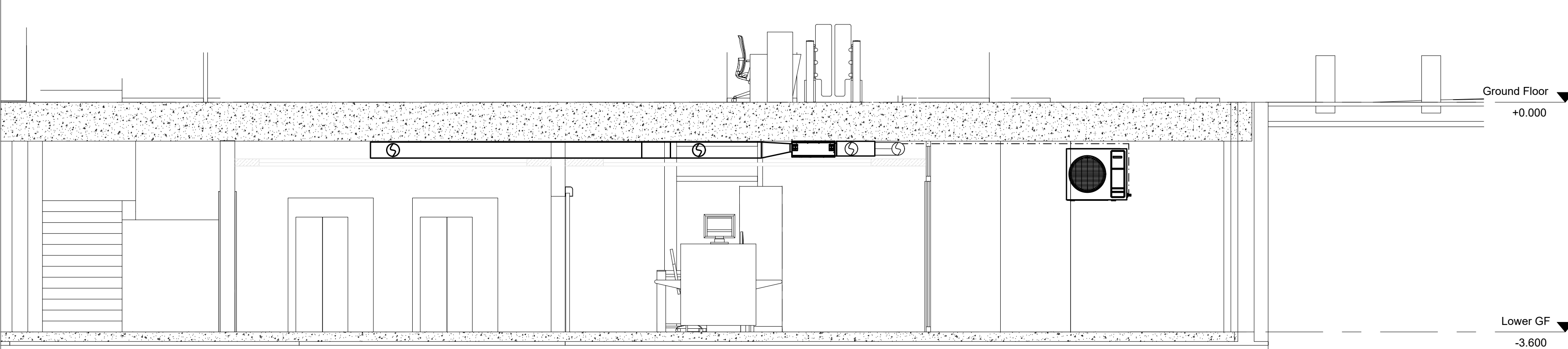
Paper Size: A0 SCALE: 1 : 100

Drawn: LM Checked: GG DATE: 11/12/2017

PROJECT No: GP/17-006

DRAWING No: M-1000

REVISION: T0

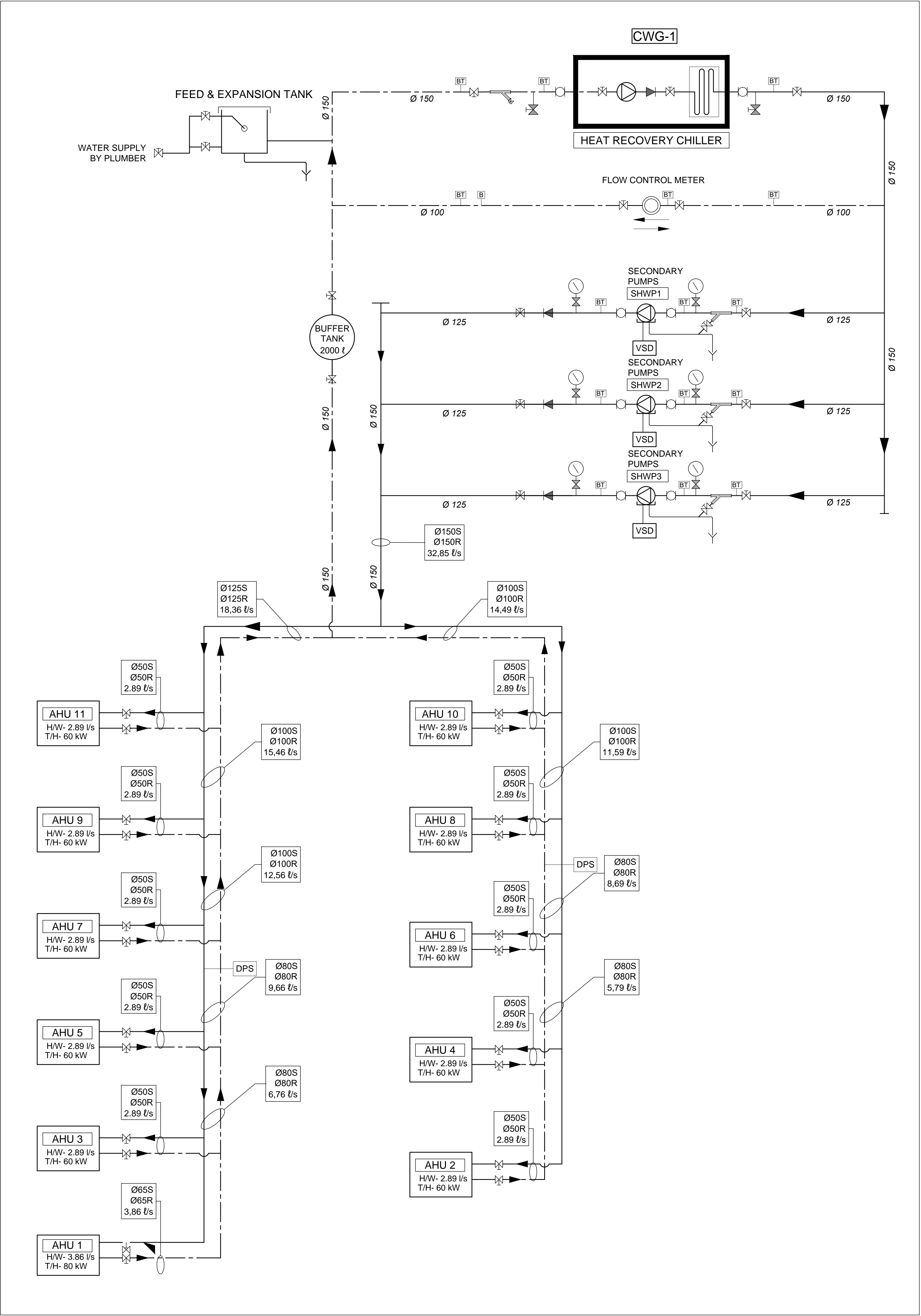
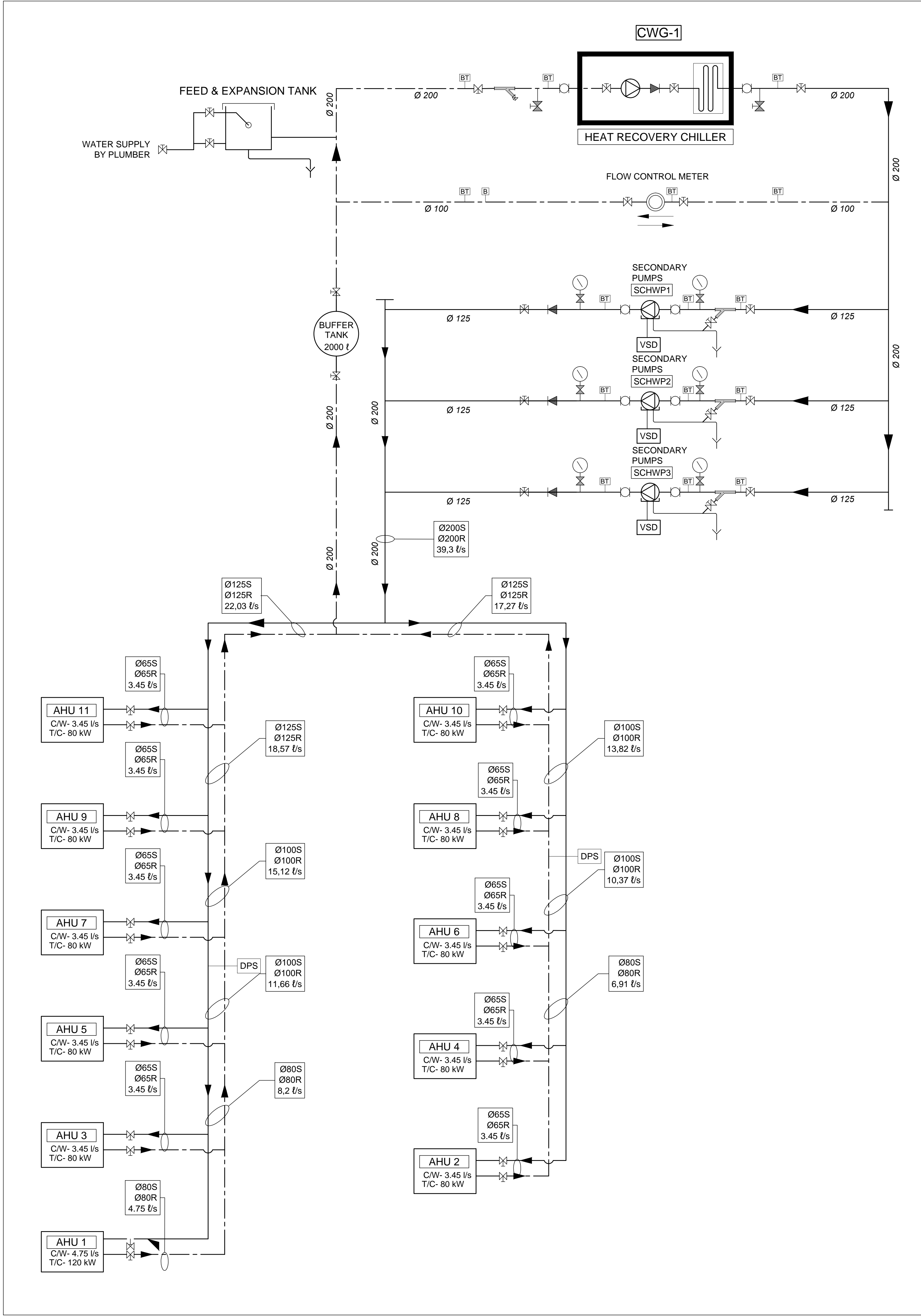


SECTION THROUGH SECURITY LOBBY
1 : 50



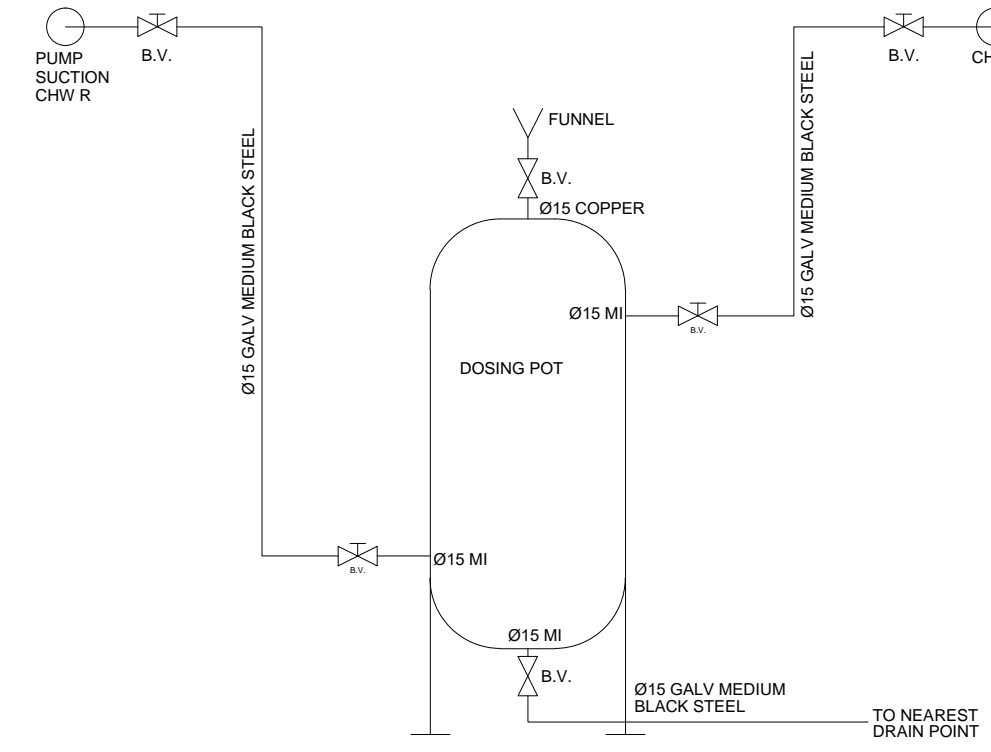
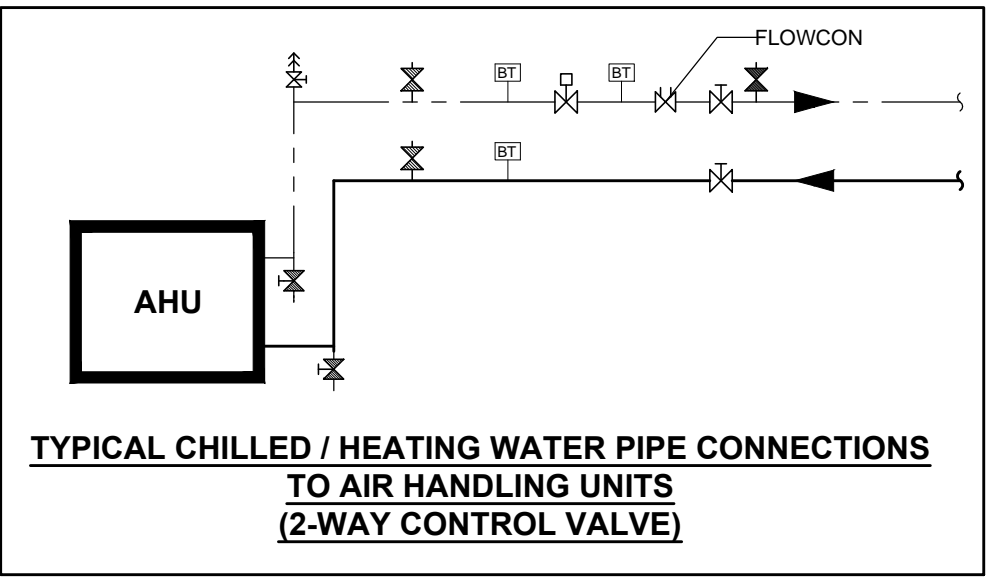
3 LG Plan
1 : 100

VISSAGIE STREET



PIPING LEGEND:

	BUTTERFLY VALVES
	ISOLATING VALVE
	SAUNDERS VALVE / BALANCING VALVE
	CHECK VALVES
	MOTORISED VALVE
	THREE-WAY VALVE
	FLOWCON VALVE
	FLOW SWITCH - 20
	STRAINER WITH 32 BALL VALVE + DRAIN
	BINDER TEST POINT - 10
	FLEXIBLE COUPLING
	SIGNET FLOW METER - 50
	BMS TEMP POINT - 15
	SUMMIT POINT - 20
	DRAIN POINT - AHU/S - 20
	CHILLERS - 20
	THERMOMETER WELL ONLY - 20
	WATER TREATMENT SOCKET AND BALL VALVE - 20
	WATER TREATMENT DOSING POT SOCKET AND BALL VALVE - 20
	FLOW CONTROL METER
	DIFFERENTIAL PRESSURE SENSOR
	PRESSURE GAUGE
	KW HR ENERGY METER
	AUTOMATIC AIR VENT
	SOCKET AND BALL VALVE FOR PRESSURE TEST POINT - 150



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Mechanical Engineer : Ganny Govender
Signature: _____ Date: _____

LDM
Solutions For The Built Environment

PTA Office: 239 Lange Street, New Mokolack Street, Brooklyn, Pretoria 0180
• Tel: (+27) 12 549 8678

Client: Government Printing Works
Signature: _____ Date: _____

PROJECT:
ERF 3265, Pretoria Central, Government Printing Works

ADDRESS:
379 Schubart St, Pretoria Central, Pretoria, 0002, RSA.

DRAWING TITLE:
CHILLED AND HOT WATER SCHEMATICS

BUILDING CLASSIFICATION: 2 CLIMATIC ZONE:
Paper Size: A0 SCALE: 1 : 50

Drawn: LM Checked: GG DATE: 11/12/2017

PROJECT NO: GP/17-006
DRAWING NO: M-1020
REVISION: A

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Mechanical Engineer : Garry Gonsdale				
Signature:			Date:	
				
PTA Office: 239 Lange Street, Nuova Macclesfield Street, Brooklyn, Pretoria 0183 Tel: +27 11 471 386 876				
Client: Government Printing Works			Date:	
PROJECT: ERF 3265, Pretoria Central, Government Printing Works ADDRESS: 37B Schwartz St, Pretoria Central, Pretoria, 0002, RSA				
DRAWING TITLE: FIFTH FLOOR AIRCONDITIONING & VENTILATION LAYOUT				
BUILDING CLASSIFICATION: G1		CLIMATIC ZONE: 2		
Drawn: AM	SCALE: 1 : 50		DATE: 11/12/2017	
Project No: GP17-006	Checked: GG	REVISION		TO
M-1006				

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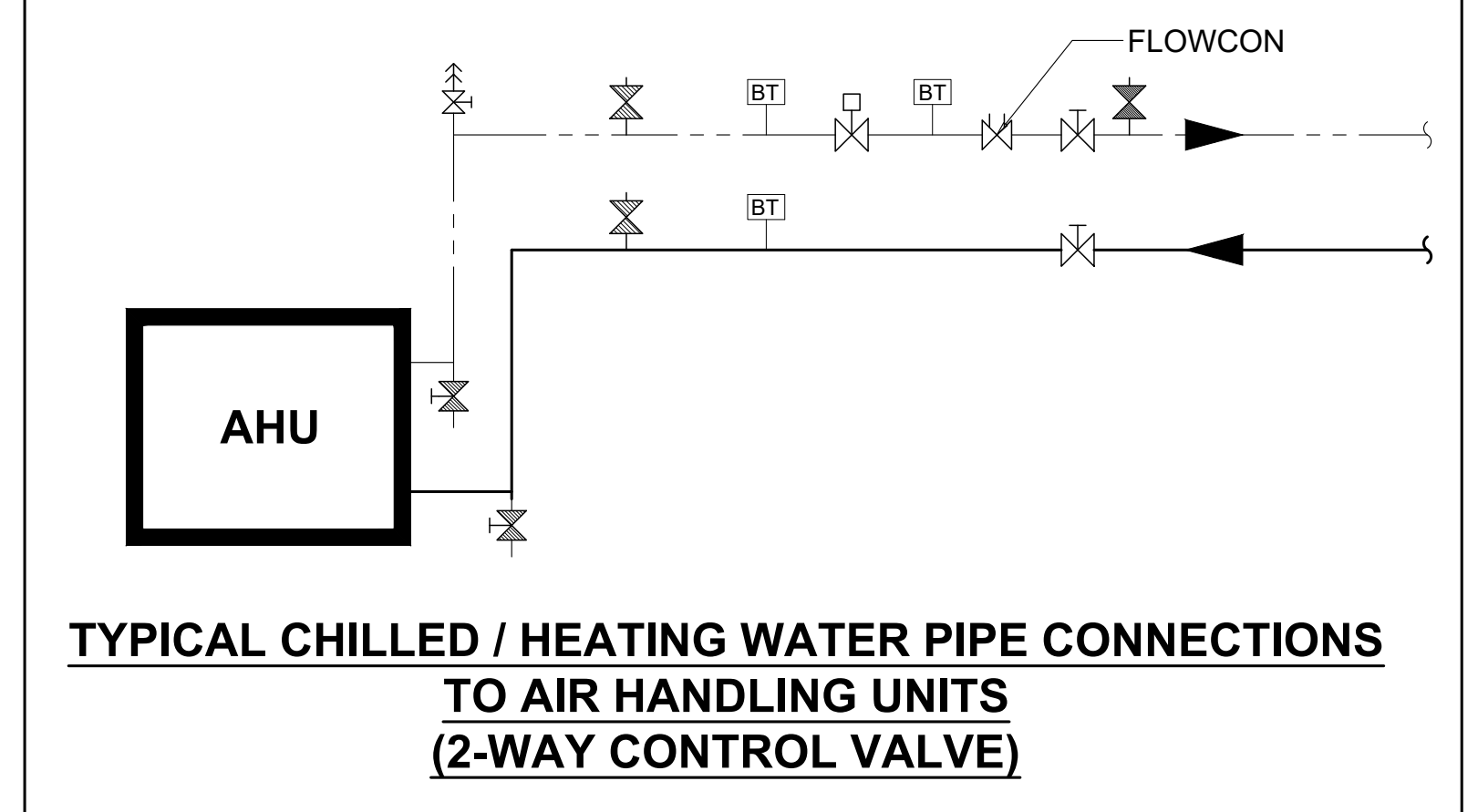
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FOR TENDER

- A/C NOTES:**
- 1) ALL EXPOSED DUCTING TO HAVE MEZZ OR EQUAL FLANGES.
 - 2) ALL DUCTING WITH SEMI-PERIMETER >110mm 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

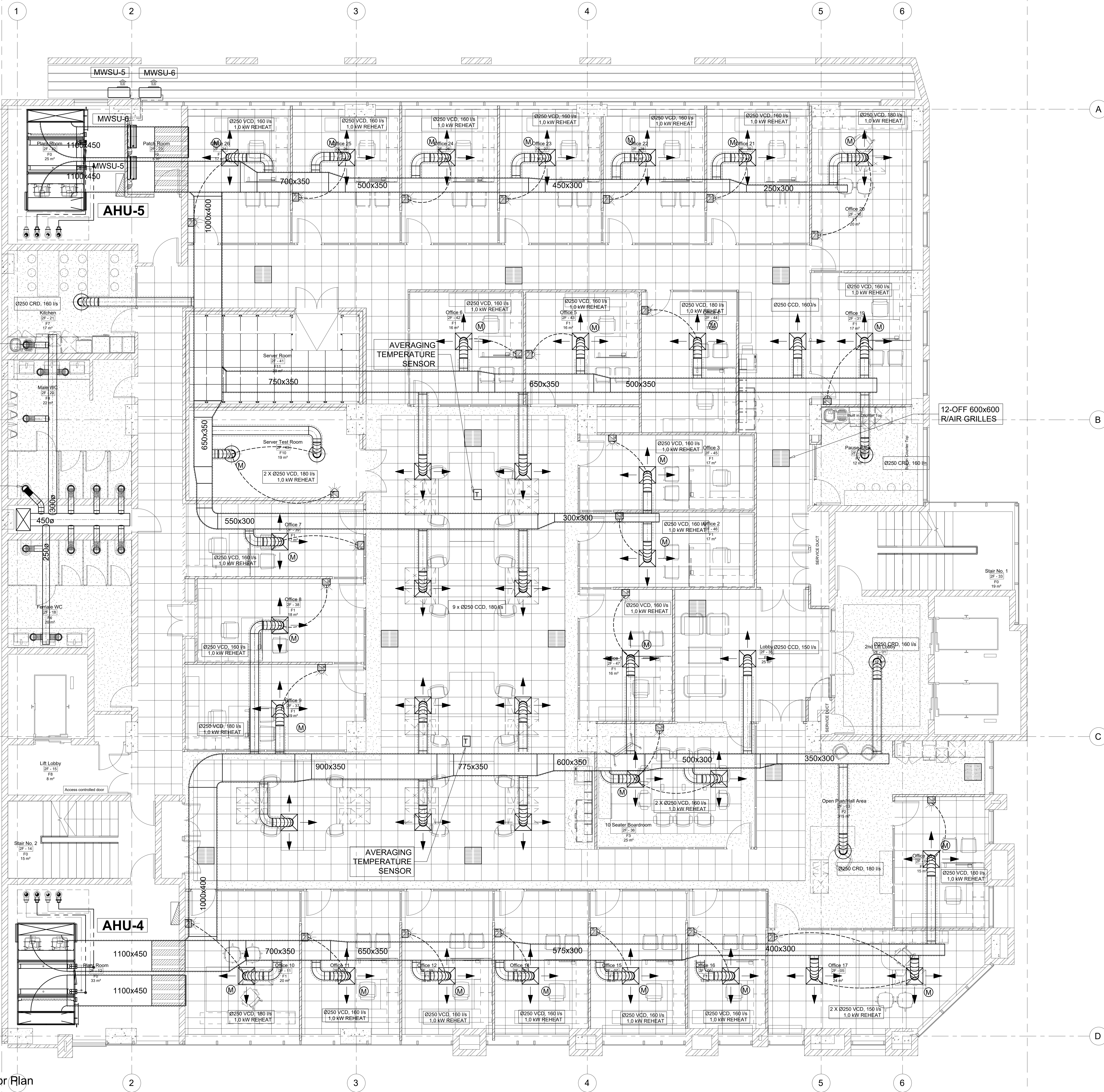
	ISOLATOR AND ELECTRICAL SUPPLY: 380 VOLT/3-PHASE
	INDICATED DB BOARD
	ELECTRICAL POWER SUPPLY: 220V/SINGLE PHASE
	WALL BOX: 100 X 100 WITH 25 CONDUIT TO PANEL
	OPENING THROUGH WALL: 50mm LARGER THAN DUCT
	OPENING THROUGH WALL: WITH 25mm HARDWOOD FRAME
	DOORS TO BE UNDERCUT BY 20mm
	MAINS WATER SUPPLY: WITH GATE VALVE-SIZE AS NOTED
	DRAIN NB 100: CONNECTED INTO SEWER SYSTEM
	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 x 100 WALL BOX WITH 25mm CONDUIT INTO CEILING VOID
	BMS TEMPERATURE SENSOR
	THERMOSTAT (MASTER DIFFUSER)



PIPING LEGEND:

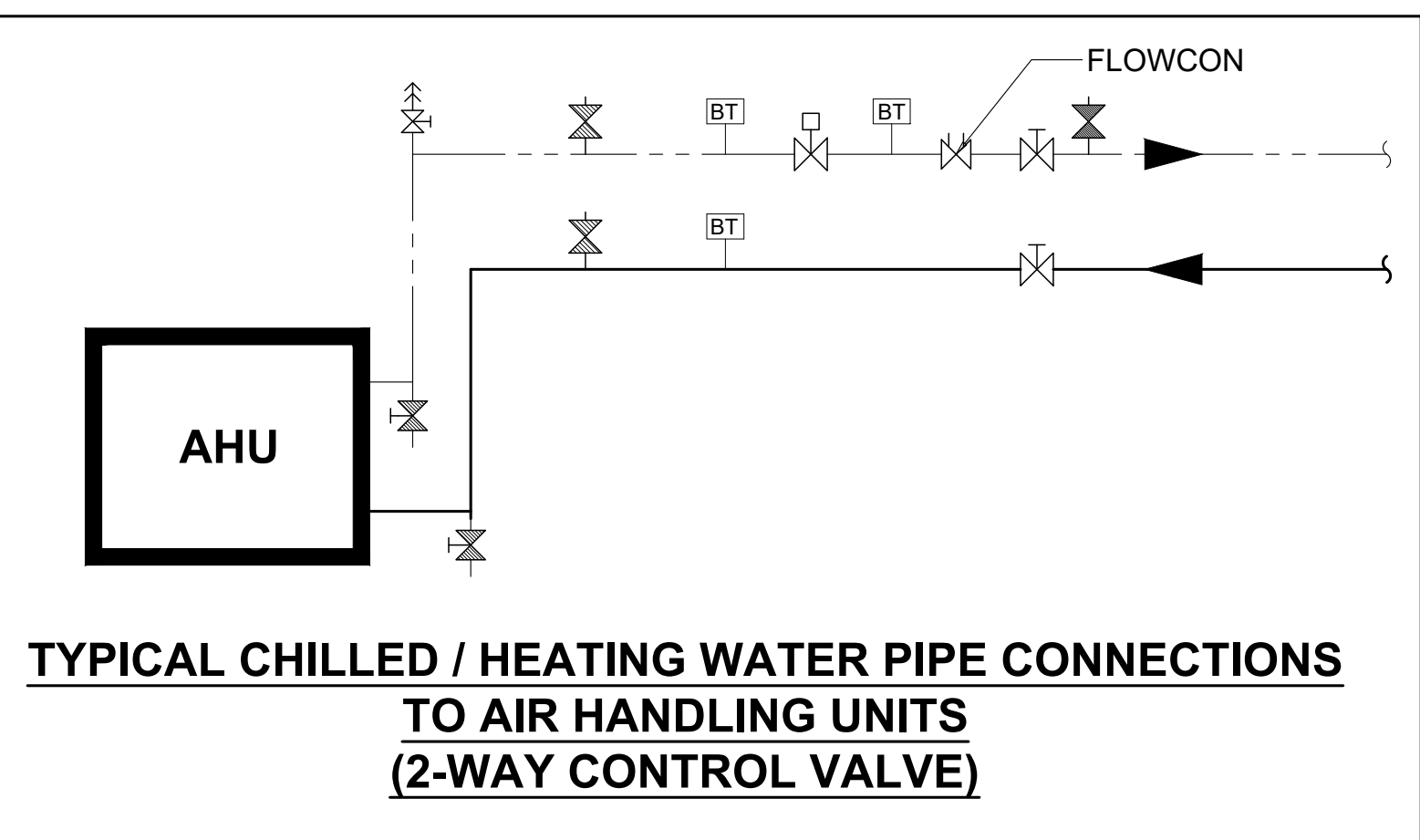
	BUTTERFLY VALVES
	ISOLATING VALVE
	SAUNDERS VALVE / BALANCING VALVE
	CHECK VALVES
	MOTORISED VALVE
	THREE-WAY VALVE
	FLOWCON VALVE
	FLOW SWITCH - 20
	STRAINER WITH 32 BALL VALVE + DRAIN
	BINDER TEST POINT - 10
	FLEXIBLE COUPLING
	SIGNET FLOW METER - 50
	BMS TEMP POINT - 15
	SUMMIT POINT - 20
	DRAIN POINT - AHU/S - 20 CHILLERS - 20
	THERMOMETER WELL ONLY - 20
	WATER TREATMENT SOCKET AND BALL VALVE - 20
	WATER TREATMENT DOSING POT SOCKET AND BALL VALVE - 20
	FLOW CONTROL METER
	DIFFERENTIAL PRESSURE SENSOR
	PRESSURE GAUGE
	kW HR ENERGY METER
	AUTOMATIC AIR VENT
	SUTURE AND BALL VALVE FOR PRESSURE TEST POINT - 150

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Mechanical Engineer: Ganny Govender Signature: _____ Date: _____			
 Solutions For The Built Environment			
PTA Office: 238 Lang Street, New Maitland Street, Brooklyn, Pretoria 0002, RSA 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, 0002, RSA.			
DRAWING TITLE: THIRD FLOOR AIRCONDITIONING & VENTILATION LAYOUT			
BUILDING CLASSIFICATION: G1		CLIMATIC ZONE: 2	
Paper Size: A0		SCALE: 1 : 50	
Drawn: LM	Checked: GG	DATE: 11/12/2017	REVISION: T0
PROJECT No: GP17-006		DRAWING No: M-1004	



- 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.G. FOIL-FACED FIBREGLASS (UNLESS NOTED OTHERWISE)
 - 5) ALL DUCT PENETRATIONS THROUGH WALLS
15W 25mm HARDWOOD FRAME - BY BUILDER

SYMBOL LEGEND	
	ISOLATOR AND ELECTRICAL SUPPLY: 380 VOLT/3-PHASE
	INDICATED DB 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 25mm
	MAINS WATER SUPPLY: WITH GATE VALVE-SIZE AS NOTED
	DRAIN: NB 100, CONNECTED INTO SEWER SYSTEM
	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
	BMS TEMPERATURE SENSOR
	THERMOSTAT (MASTER DIFFUSER)



PIPING LEGEND:	
	BUTTERFLY VALVES
	ISOLATING VALVES
	SAUNDERS VALVE / BALANCING VALVE
	CHECK VALVES
	MOTORISED VALVE
	THREE-WAY VALVE
	FLOWCON VALVE
	FLOW SWITCH - 20
	STRAINER WITH 32 BALL VALVE - DRAIN
	BINDER TEST POINT - 10
	FLEXIBLE COUPLING
	SIGNET FLOW METER - 50
	BMS TEMP POINT - 15
	SUMMIT POINT - 20
	DRAIN POINT - AHU/TS - 20
	CHILLERS - 20
	THERMOMETER WELL ONLY - 20
	WATER TREATMENT SOCKET AND BALL VALVE - 20
	WATER TREATMENT DOSING POT SOCKET AND BALL VALVE - 20
	FLOW CONTROL METER
	DIFFERENTIAL PRESSURE SENSOR
	PRESSURE GAUGE
	kW hr ENERGY METER
	AUTOMATIC AIR VENT
	S/TUBE AND BALL VALVE FOR PRESSURE TEST POINT - 150

GENERAL NOTES:

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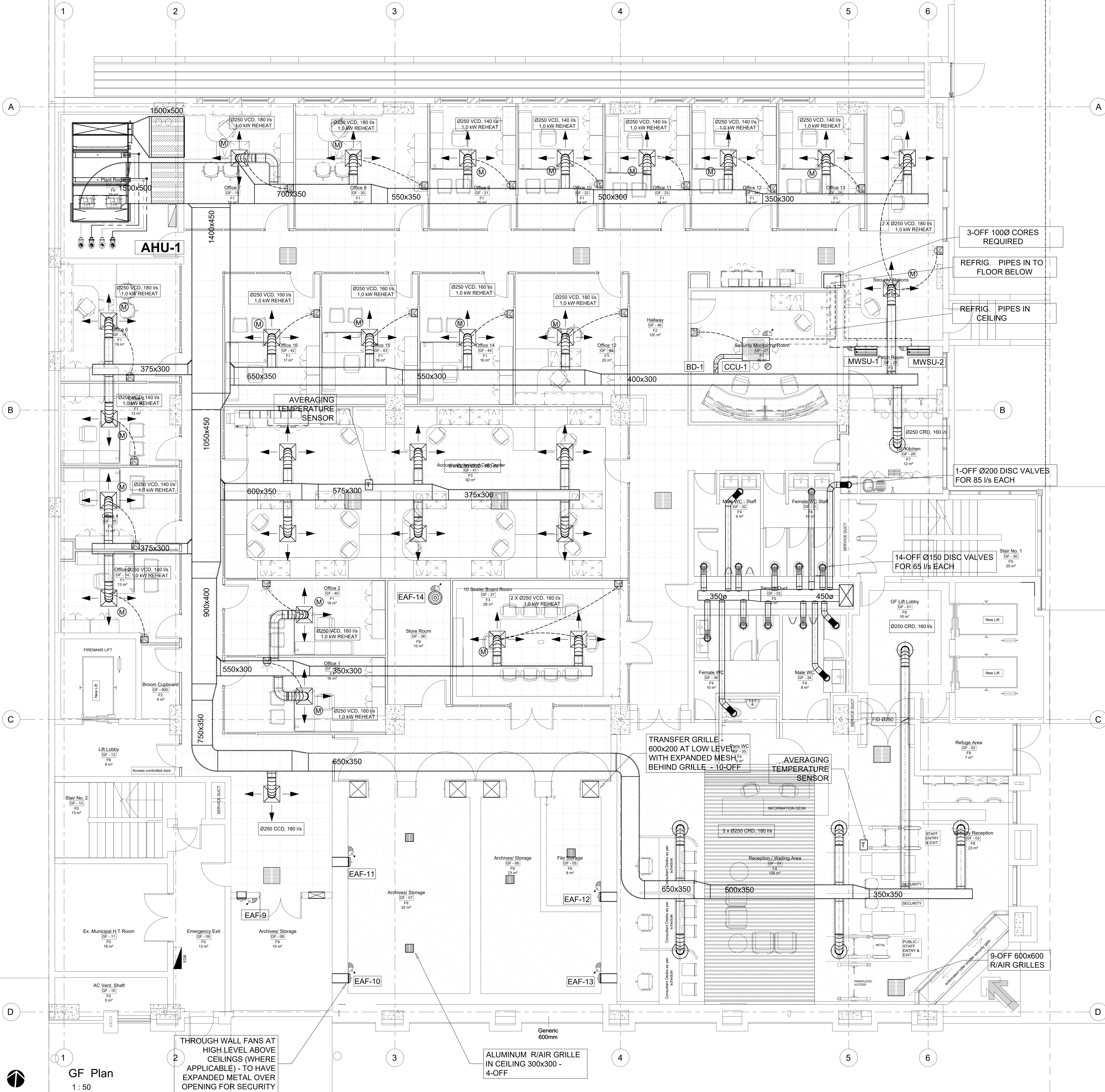
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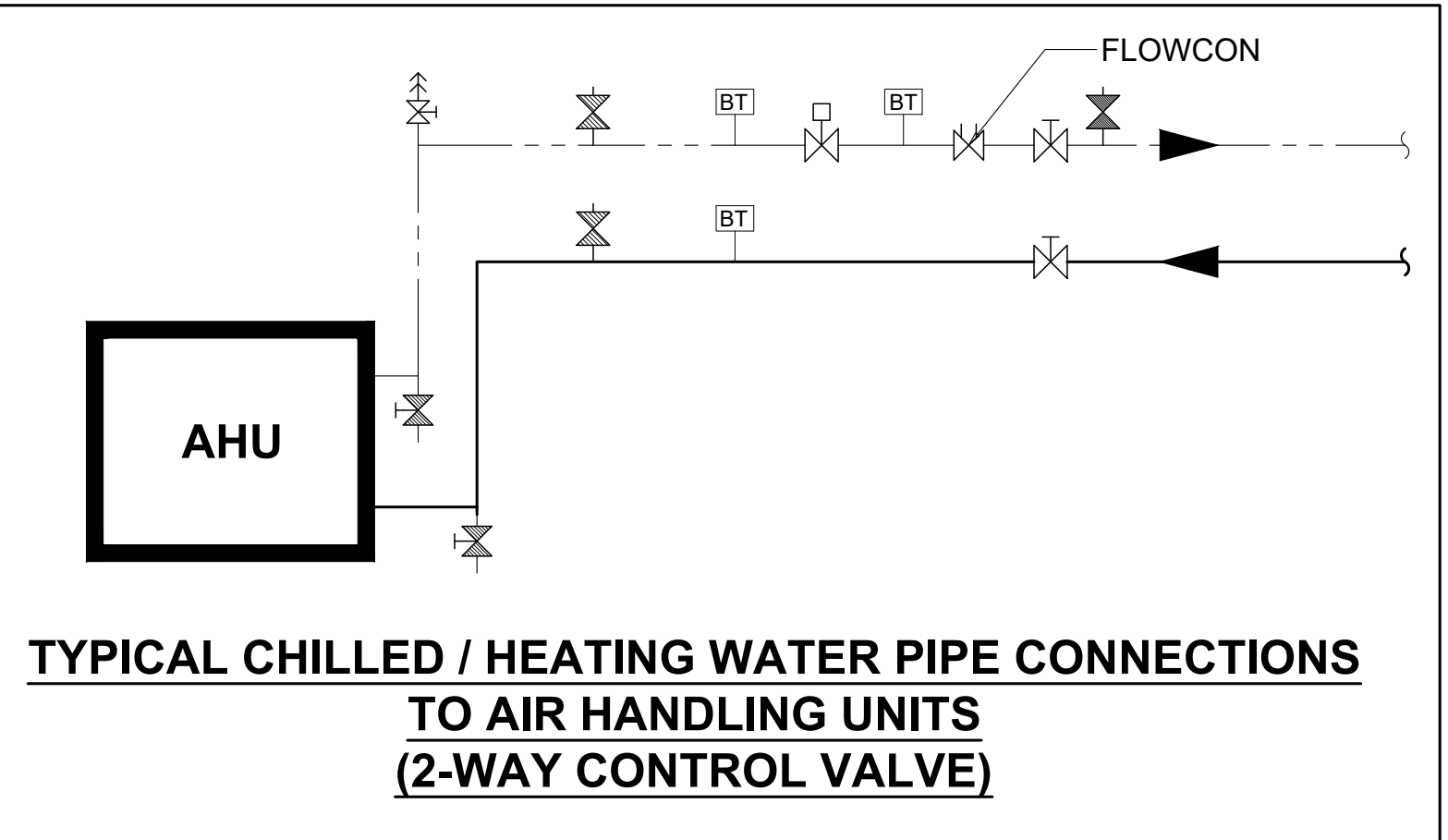
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Mechanical Engineer: Ganny Gonder			
Signature: _____ Date: _____			
Solutions For The Built Environment			
PTA Office: 238 Lang Street, New Maitland Street, Brooklyn, Pretoria 0180 Tel: (+27) 12 346 8876			
Client: Government Printing Works			
Signature: _____ Date: _____			
PROJECT: ERF 3265, Pretoria Central, Government Printing Works			
ADDRESS: 379 Schubart St, Pretoria Central, Pretoria, 0002, RSA			
DRAWING TITLE: SECOND FLOOR AIRCONDITIONING & VENTILATION LAYOUT			
BUILDING CLASSIFICATION: G1		CLIMATIC ZONE: 2	
Paper Size: A0		SCALE: 1:50	
Drawn: LM		Checked: GG	
PROJECT No: GP/17-006		DATE: 11/12/2017	
DRAWING No: M-1003		REVISION: T0	



A/C NOTES:

- 1) ALL EXPOSED DUCTING TO HAVE MEZZ OR EQUAL FLANGES.
- 2) ALL DUCTING WITH SEM-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. FOL-FACED FIBREGLASS. (UNLESS NOTED OTHERWISE)
- 5) ALL DUCT PENETRATIONS THROUGH WALLS <25mm HARDWOOD FRAME - BY BUILDER.

SYMBOL LEGEND	
	ISOLATOR AND ELECTRICAL SUPPLY: 380 VOLT/3-PHASE
	INDICATED DB 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
	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
	BMS TEMPERATURE SENSOR
	THERMOSTAT MASTER DIFFUSER



PIPING LEGEND:	
	BUTTERFLY VALVES
	ISOLATING VALVES
	SAUNDERS VALVE / BALANCING VALVE
	CHECK VALVES
	MOTORISED VALVE
	THREE-WAY VALVE
	FLOWCON VALVE
	FLOW SWITCH - 20
	STRAINER WITH 32 BALL VALVE - DRAIN
	BINDER TEST POINT - 10
	FLEXIBLE COUPLING
	SIGNET FLOW METER - 50
	BMS TEMP POINT - 15
	SUMMIT POINT - 20
	DRAIN POINT - AHU/LS - 20
	CHILLERS - 20
	THERMOMETER WELL ONLY - 20
	WATER TREATMENT SOCKET AND BALL VALVE - 20
	WATER TREATMENT DOSING POT SOCKET AND BALL VALVE - 20
	FLOW CONTROL METER
	DIFFERENTIAL PRESSURE SENSOR
	PRESSURE GAUGE
	kW HR ENERGY METER
	AUTOMATIC AIR VENT
	STRIBE AND BALL VALVE FOR PRESSURE TEST POINT - 150

GENERAL NOTES:

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