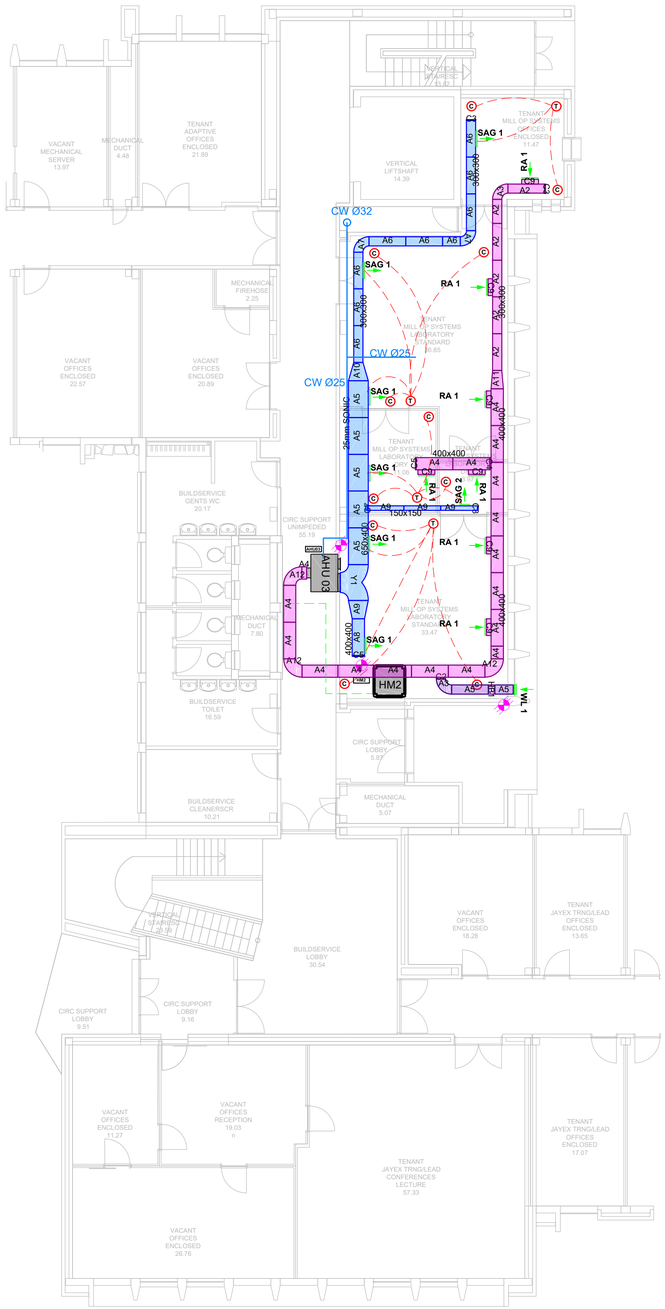
North



First Floor

Mechanical Equipment Schedule

MARK	DESCRIPTION	COOLING_BTU	HEATING_BTU	FLOW	POWER	VOLTAGE	PHASE	Count
AHU03	Air Handling Unit c/w Prime and Bag Filters	17kW	9kW	1100l/s	11kW	400V	3	1
HM2	Humidifier			5kg/h	3.75kW	400V	3	1

Air Terminal Schedule

MARK	DESCRIPTION	SIZE	COLOUR	Count
RA 1	Return Air Grille c/w OBD	500x250	N/A	7
SAG 1	Side Wall Variable Volume Diffuser c/w Matching OBD, actuator and Heater bank (2.5kW)	500x250	N/A	6
SAG 2	Side Wall Variable Volume Diffuser c/w Matching OBD, actuator and Heater bank (2.5kW)	300x150	N/A	1
WL 1	Hinged Weather Louvre c/w matching OBD	300x300	N/A	1

Ducting Schedule

MARK	DESCRIPTION	SIZE	Count
A1	Straight Duct	200x550	1
A10	Equal Taper	650x400 > 300x300	1
A11	Equal Taper	400x400 > 300x300	1
A12	Bend 90°	400x400	3
A2	Straight Duct	300x300	6
A3	Bend 90°	300x300	2
A4	Straight Duct	400x400	18
A5	Straight Duct	400x400	2
A5	Straight Duct c/w 25mm Sonic	650x450	5
A6	Straight Duct c/w 25mm Sonic	200x450	1
A6	Straight Duct c/w 25mm Sonic	300x300	9
A7	Bend 90° c/w 25mm Sonic	300x300	2
A8	Straight Duct c/w 25mm Sonic	400x400	1
A9	Equal Taper	650x400 > 400x400	1
A9	Straight Duct c/w 25mm Sonic	150x150	3
C2	Spigot	300x300	1
C3	Endcap	300x300	2
C4	Spigot	400x400	1
C5	Endcap	400x400	2
C7	Spigot	150x150	1
C8	Endcap	150x150	1
C9	Plenum	550x300	7
HB1	Heater Bank 2.5kW c/w matching OBD and actuator (3 step)	300x300	1
Y1	Y Piece	650x400	1

LEGEND

T	TEMPERATURE SENSOR
MS	MOTION SENSOR
C	CONTROL SWITCH
- - -	AC DRAIN LINE
—•—	AC REFRIGERANT LINE
	1 PHASE
	3 PHASE
A6	SUPPLY AIR DUCT
A1	RETURN AIR DUCT

NOTES / LEGEND

KOPIEREG IS GEVESTIG IN DIE REGERING VAN DIE REPUBLIEK VAN SUID-AFRIKA KRAGTENS DIE WET OP KOPIEREG (WET 98 VAN 1978).

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CLIENT FILE NUMBER

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REFERENCE DRAWINGS

NUMBER	REVISION	DRAWING DESCRIPTION

APPROVED BY COUNCIL / CLIENT

CITY ENGINEER / CLIENT | REG. NO. | DATE

AMENDMENTS CODE

A,B,C.../ : BEFORE TENDER
0 / : TENDER DRAWING
1,2,3..../ : AFTER TENDER
Z / : AS BUILT

/A : BY CLIENT
/B : BY ARCHITECT
/C : BY MECHANICAL OR ELECTRICAL
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Bloemfontein
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CLIENT

PROJECT

NMISA CAMPUS PRETORIA

DRAWING TITLE

MECHANICAL INSTALLATION HVAC FIRST LEVEL

APPROVED BY BVi

D. Kapp	201570070	29 April 2021
ENGINEER/TECHNOLOGIST	REG. NO.	DATE

SCALE	1:100	DRAWN	N.R
DESIGNED	D. Kapp	CHECKED	R.H

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