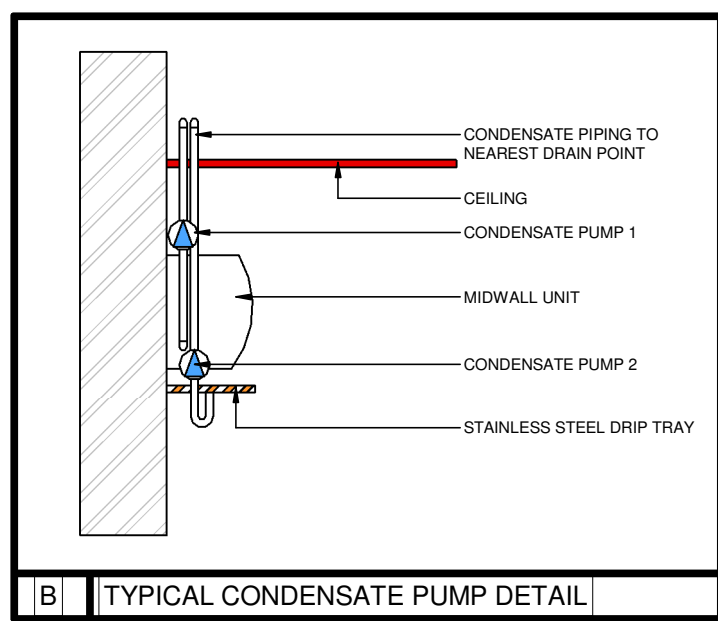
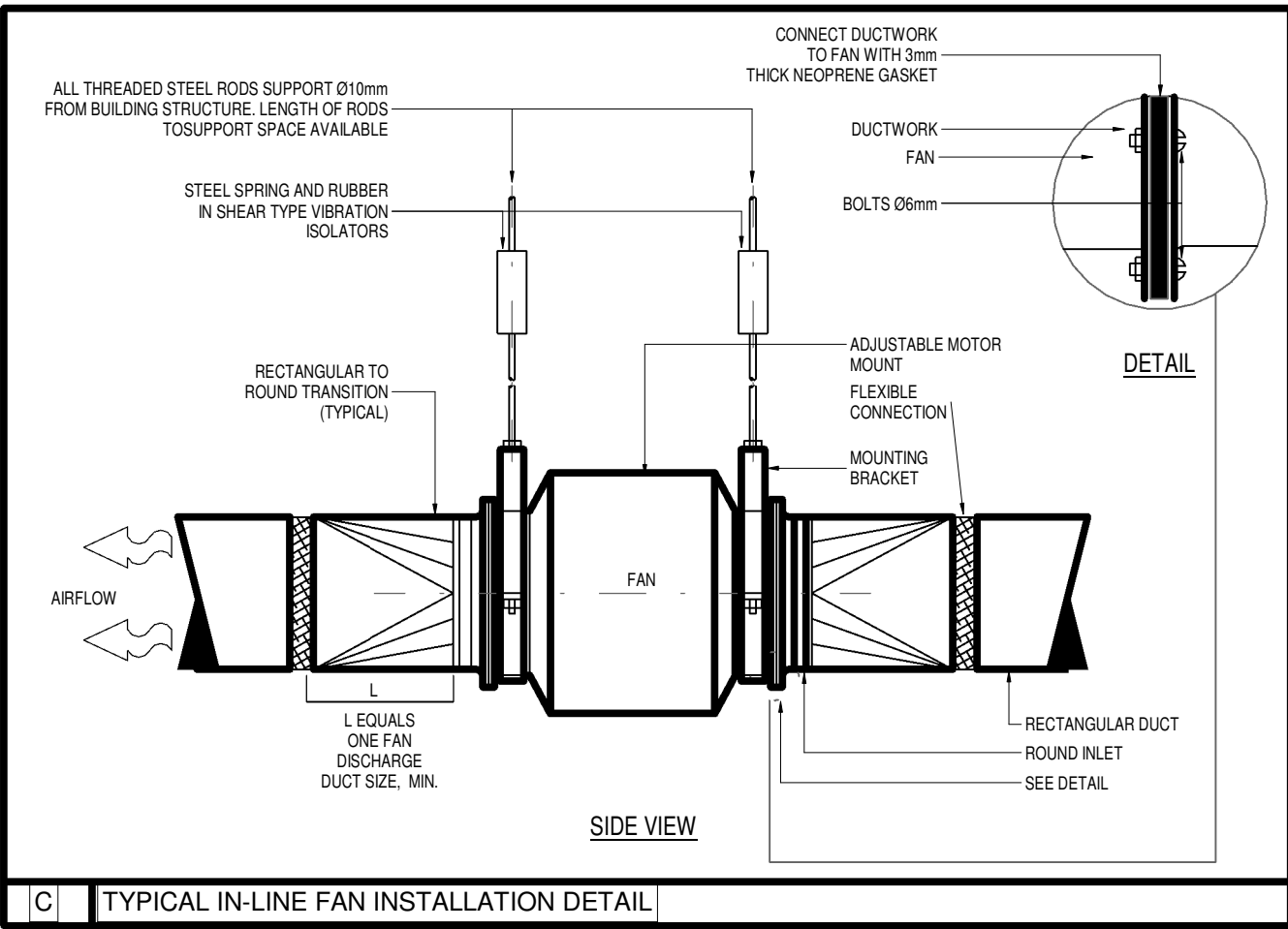
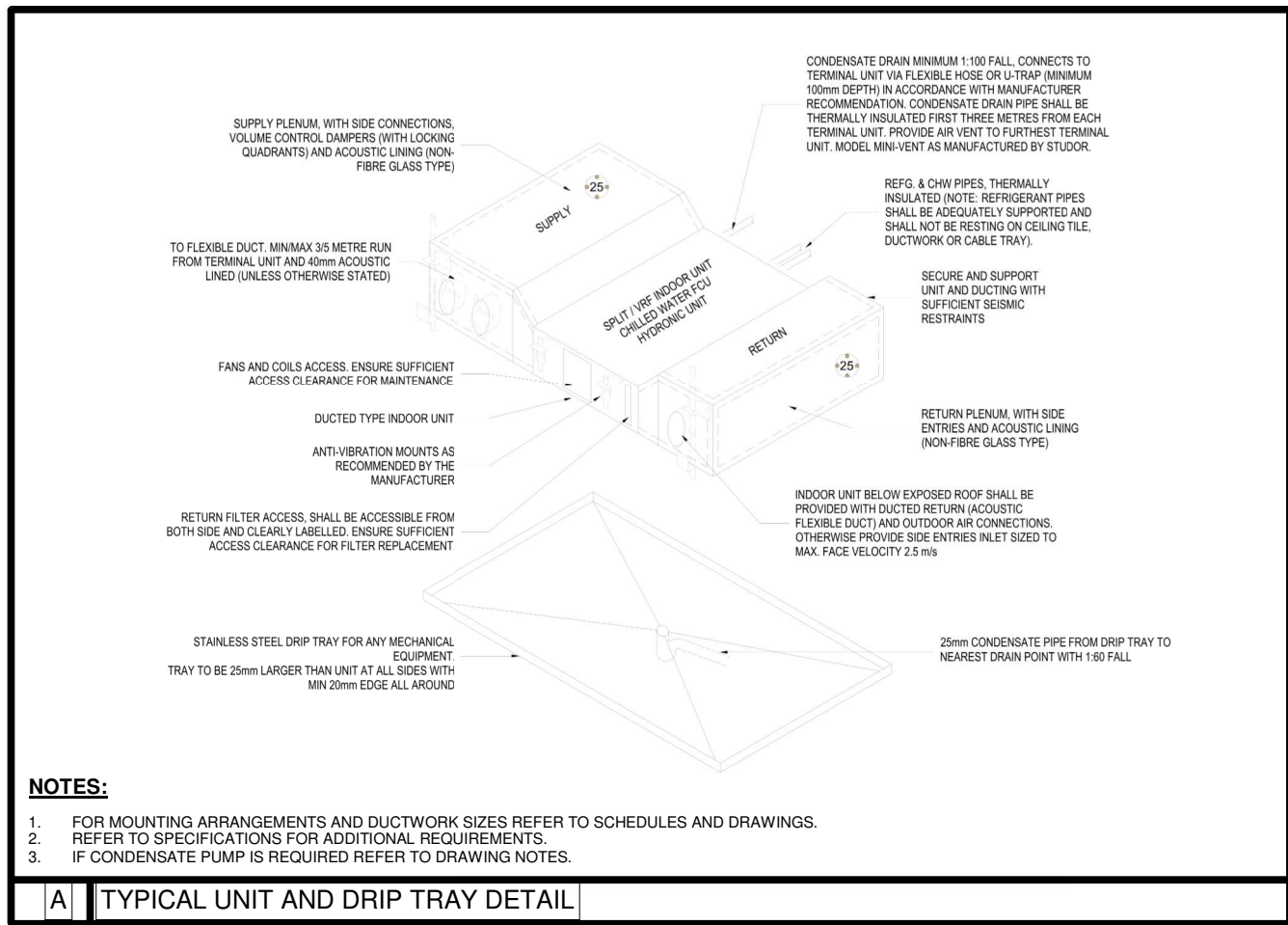




02-FF-MECHANICAL FANS SCHEDULE					
REFERENCE	REFERENCE	TYPE	SIZE	AIR VOLUME	PRESSURE
FA02.0.226	FA02	MIXVENT SERIES COMPACT FAN	ø308	200 L/s	250.0 Pa

02-FF-MECHANICAL INDOOR UNITS SCHEDULE					
TAG	REFERENCE	TYPE	SIZE (kW)	ELEC. AMPS	QTY
HA1.0.224	HA1	HIDE AWAY UNIT	11kW		1
HA1.0.225	HA1	HIDE AWAY UNIT	11kW		1

02-FF-AIR TERMINALS				
REFERENCE	TYPE	PHYSICAL SIZE	SPIGOT SIZE	QTY
RG01	RETURN AIR GRILLE	600x600	200	4
SD03	CONSTANT VOLUME SQUARE SWIRL DIFFUSERS	Ø600	200	12
WL02	WEATHER LOUVRE WITH VERMIN SCREEN	400x300		1

02-FF-MECHANICAL OUTDOOR UNITS SCHEDULE				
REFERENCE	TYPE	RUNNING CURRENT	ACTUAL COOLING	QTY
OU2	OUTDOOR UNIT	0.00 A		2

02-FF-DUCT ACCESSORIES SCHEDULE			
REFERENCE	TYPE	SIZE	QTY
BD01	HAND LOCKABLE DAMPER	ø200	12
BD02	HAND LOCKABLE DAMPER	ø150	2
FP02	FILTER PANEL	350x350	1
SA01	SOUND ATTENUATOR	ø315	2

02-FF-ELECTRICAL-BY OTHERS			
SYMBOL	REFERENCE	TYPE	QTY
	AC	AIRCON CONTROLLER	1
	E2	SINGLE PHASE ISOLATOR	3

HVAC LEGEND	
—	EXTRACTION AIR DUCT
—	RETURN AIR DUCT
—	SUPPLY AIR DUCT
—	FRESH AIR DUCT
—	EXISTING EQUIPMENT
—	FLEX DUCT
—	CONDENSATE PIPE ROUTE
—	REFRIGERANT PIPE ROUTE

- SCOPE OF WORKS BY OTHERS:
- SABS ELECTRICAL**
- AS INDICATED ON THE DRAWING & MAKED & INSTRUCTED BY HVAC INSTALLER
 - SUPPLY & INSTALL POWER CABLE & SWITCHGEAR TO THE HVAC SUB DB
- SABS BUILDER**
- AS INDICATED ON THE DRAWING & MARKED & INSTRUCTED BY HVAC INSTALLER
 - WALL PENETRATION FOR FRESH AIR AND EXTRACTION AIR DUCT
- SABS PLUMBER:**
- SUPPLY AND INSTALL 20ø20 HIGH PRESSURE WATER SUPPLY THROUGH SABS METER INCLUDING LOCKABLE TAP MOUNTED ADJACENT TO CONDENSERS AT NOMINAL 1000AFL
- HVAC ELECTRICAL**
- THE SUPPLY AND ISTALLATION OF A SEPARATE HVAC SUD DB
 - THE SUPPLY & INSTALLATION OF CABLES & SWITCHGEAR REQUIRED FOR SWITCHING OF THE AC UNITS OFFICE COOLING SYSTEM & FRESH AIR FAN BY THE MANAGER'S MAIN LIGHT SWITCH

APPROVED

NAME _____ SIGNATURE _____

PR. NO. _____ DATE _____

NOTES

INSTALLATION NOTE

- ALL HIDDEN DUCTED SPLIT UNITS TO HAVE 25mm INSULATION AROUND SUPPLY DUCTWORK.
- ALL EXPOSED DUCTWORK SHOULD BE PAINTED TO ARCHITECTS FINISH DETAIL.
- ALL EXPOSED DUCTWORK SHOULD BE SPIRAL DUCTING AND INTERNALLY INSULATED.
- CEILING LAYOUT TO BE CONFIRMED AND CO-ORDINATED BETWEEN SERVICES.
- ALL AC UNITS AND DUCTWORK TO BE WRAPPED ON SITE TO STOP EQUIPMENT AND COILS FROM BECOMING DIRTY DURING CONSTRUCTION.
- P1 = CONDENSATE PIPE TO CONNECT TO NEAREST DRAIN POINT WITH P-TRAP.
- ALL ELECTRICAL TO BE PROVIDED BY OTHERS

LEGEND

FLOOR NUMBER
MECHANICAL EQUIPMENT TYPE NUMBER
UNIQUE MECHANICAL EQUIPMENT IDENTIFICATION NUMBER

HA1.0.01

DUCTWORK NOTES:

- ALL DUCT WORK TO BE MANUFACTURED TO THE LATEST S.M.A.C.N.A STANDARDS WITH FLANGED JOINTS ON DUCTS EXCEEDING 600 SEMI PERIMETER OR ONE SIDE EXCEEDS 750 AND S&D JOINTS ON SMALLER DUCTS.
- ALL A.C. DUCTING TO BE INTERNALLY INSULATED WITH 25mm SONIC INSULATION UNLESS OTHERWISE SHOWN.
- ALL VENTILATION DUCTING TO BE UNINSULATED.
- ALL FLEXIBLE DUCTING TO BE FACTORY PRE-INSULATED. ALL FLEXIBLE DUCTING TO BE FIXED TO SPIGOTS WITH JUBILEE CLAMPS AND STRAPPED WITH DUCT TAPE.
- SPIGOTS TO BE EXTERNALLY INSULATED WITH 25mm FOIL FACED FIBREGLASS.
- ALL HANGERS AND BRACKETS TO BE GALVANISED.
- ALL DUCTWORK TO BE HUNG ON 30x50x1.6 G.S.M. CHANNEL TRAPEZE HANGERS WITH Ø8 RODS.
- FLEXIBLE CONNECTIONS TO BE FITTED TO ALL DUCTING BETWEEN AIRHANDLING AND PACKAGE UNITS, FANS, ETC.
- ALL GRILLE BRANCHES TO HAVE STRAIGHTENING VANES AS DETAILED.

TENDER			
REVISIONS			
REV	DATE	DESCRIPTION	BY
0A	2024-03-18	ISSUED FOR TENDER	DK

CLIENT _____ ARCHITECT _____

SABS **ADQ** — AFRICAN DYNAMIC QUALITY —
SUSTAINING PROJECTS

CONSULTANT

ADQ — AFRICAN DYNAMIC QUALITY —
ENGINEERING PROJECTS

info@adqengineering.co.za
Tel: 012 030 0355

www.adqengineering.co.za

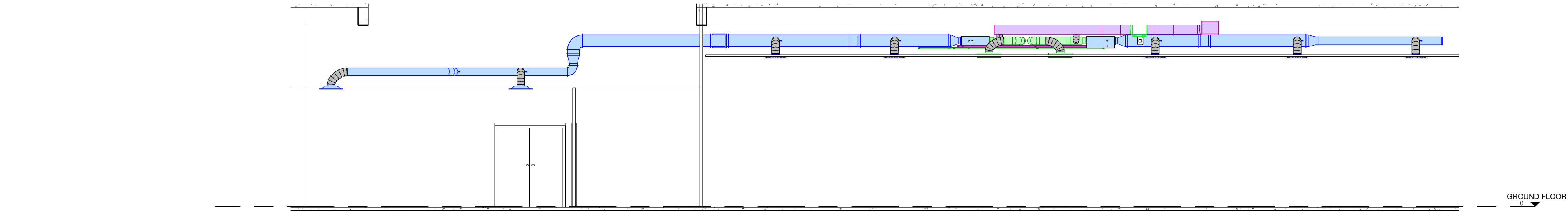
PROJECT DESCRIPTION

SABS PRETORIA

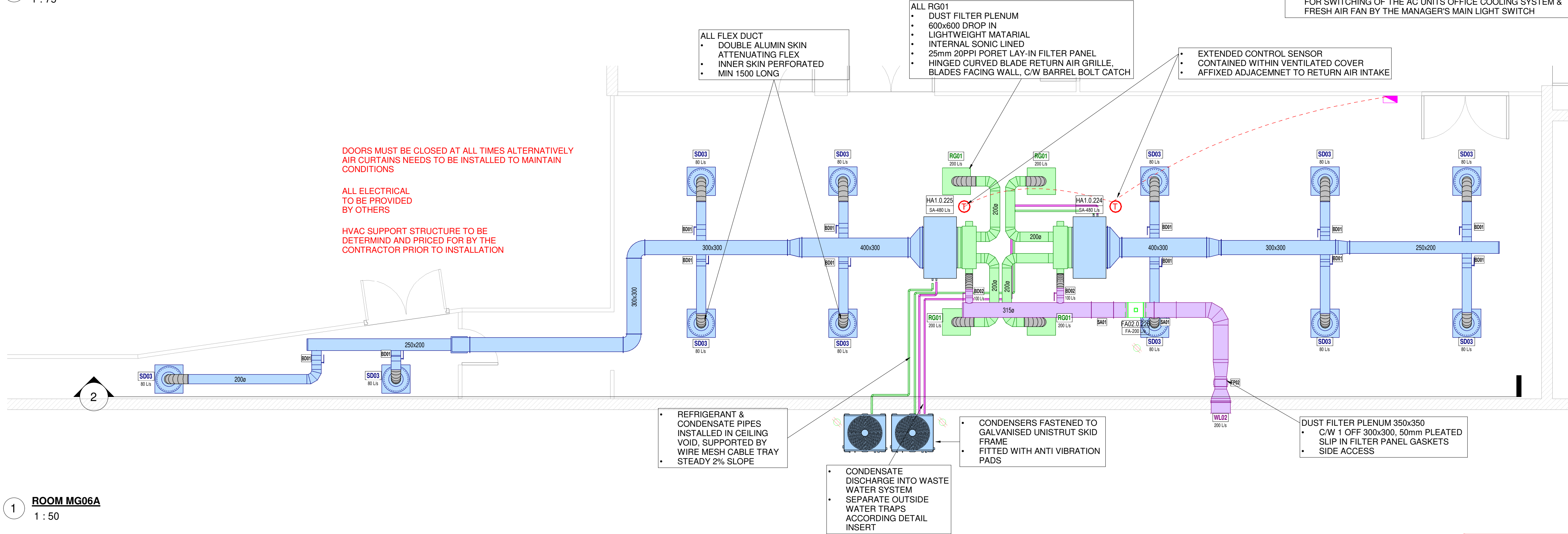
DRAWING TITLE

ROOM MG06A HVAC LAYOUT

DATE	2024-02-01	DRAWN BY	D.KRUGER
CHECKED BY	D.DE WIT	DESIGNED BY	D.DE WIT
DRAWING SIZE	A1	SCALE	As indicated
DRAWING NUMBER	P23072-TN-MEC-102	REV	0A



2 Section 3
1 : 75



1 ROOM MG06A
1 : 50

ISSUED FOR TENDER