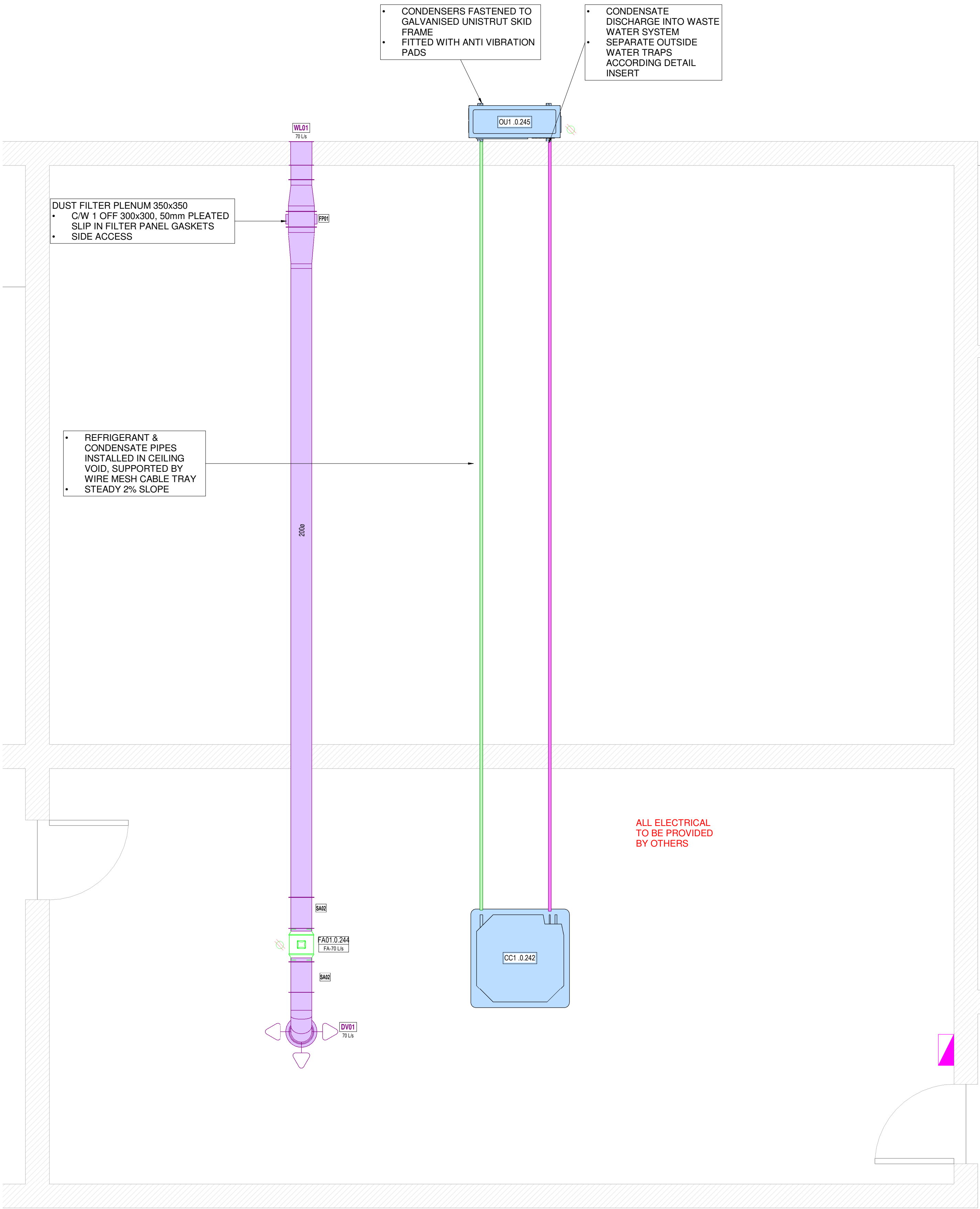




03-GF-MECHANICAL FANS SCHEDULE								
REFERENCE	REFERENCE	TYPE	SIZE	AIR VOLUME	RUNNING CURRENT	POWER	PRESSURE	QTY
FA01 0.244	FA01	MIXVENT SERIES COMPACT FAN	e200	70 L/s		220V/1PH/50Hz	250.0 Pa	1

03-GF-MECHANICAL INDOOR UNITS SCHEDULE				
TAG	TYPE	COOLING CAPACITY (kW)	POWER INPUT (A)	QTY
CC1 0.242	CEILING CASSETTE	7kW		1

03-F-AIR TERMINALS				
REFERENCE	TYPE	PHYSICAL SIZE	SPIGOT SIZE	QTY
DV01	FRESH AIR DISC VALVE	e200	200	1
WL01	WEATHER LOUVRE WITH VERMIN SCREEN	200x200		1

03-GF-MECHANICAL OUTDOOR UNITS SCHEDULE					
TAG	REFERENCE	TYPE	RUNNING CURRENT	COOLING CAPACITY (kW)	QTY
OU1 0.245	OU1	OUTDOOR CONDENSER UNIT	0.00 A	7kW	1

03-GF-DUCT ACCESSORIES SCHEDULE			
REFERENCE	TYPE	SIZE	QTY
FP01	FILTER PANEL	200x200	1
SA02	SOUND ATTENUATOR	e200	2

03-GF-ELECTRICAL-BY OTHERS			
SYMBOL	REFERENCE	TYPE	QTY
	AC	AIRCON CONTROLLER	1
	E1	SINGLE PHASE ISOLATOR	2

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:

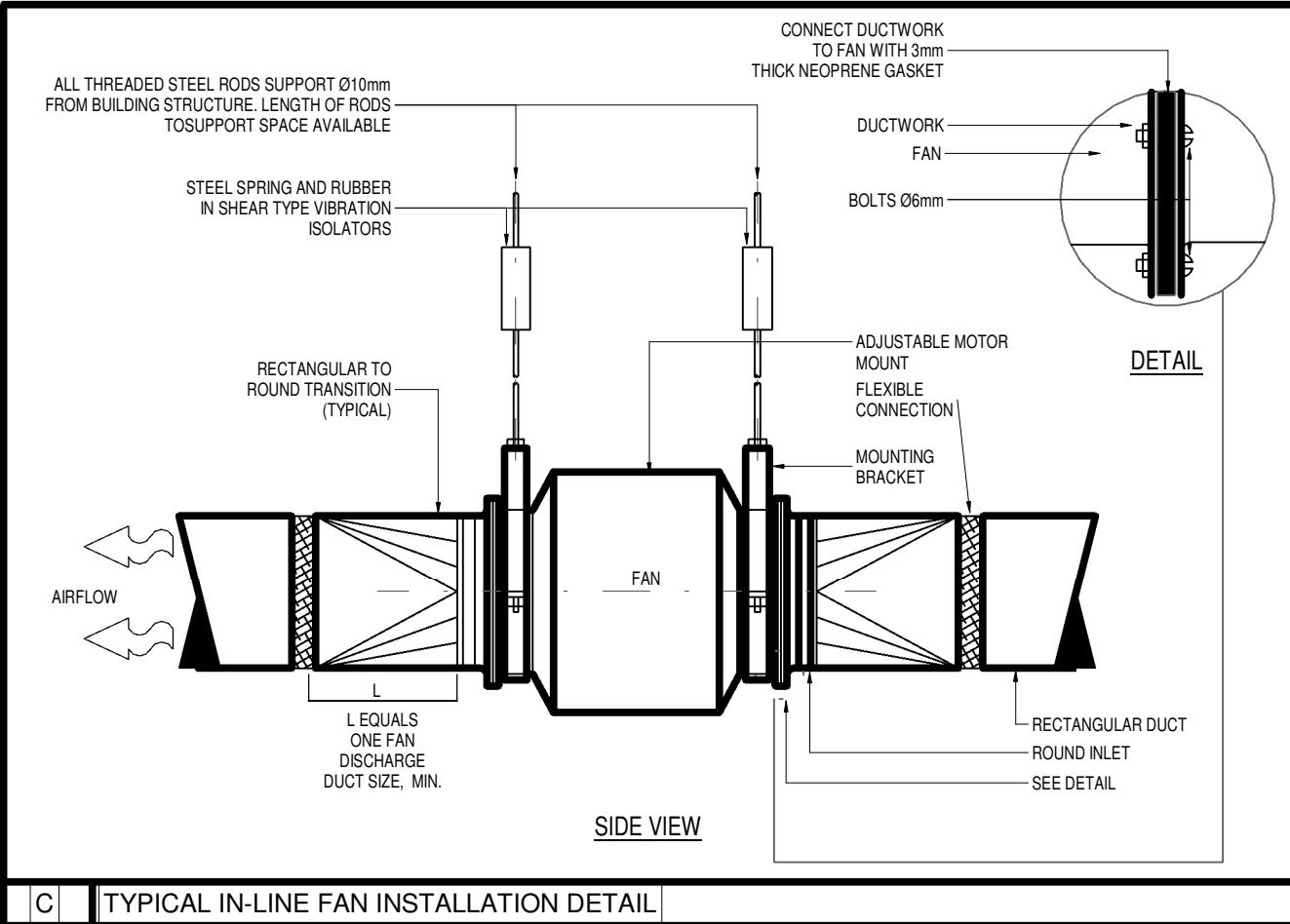
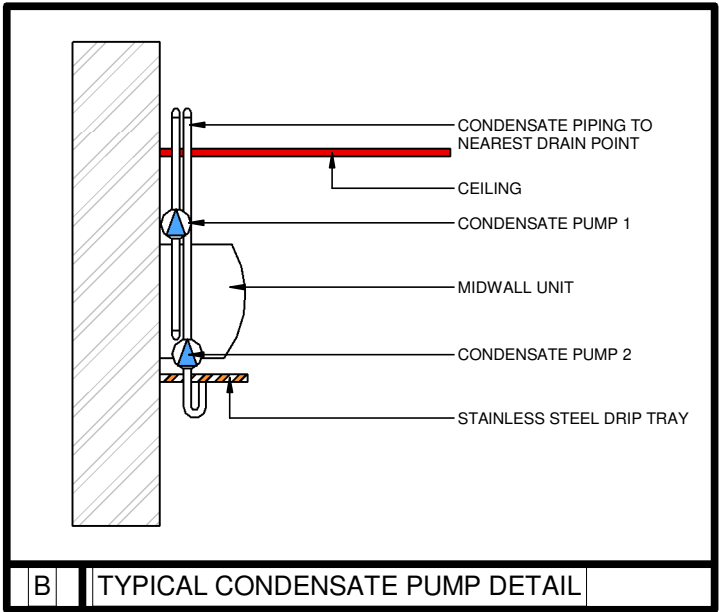
- SUPPLY AND INSTALL 20ø20 HIGH PRESSURE WATER SUPPLY THROUGH SABS METER INCLUDING LOCKABLE TAP MOUNTED ADJACENT TO CONDENSERS AT NOMINAL 1000AFL

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

ISSUED FOR TENDER

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



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 FIBREGLOSS.
- 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 ADOQ AFRICAN DYNAMIC QUALITY ENGINEERING PROJECTS

CONSULTANT

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PROJECT DESCRIPTION

SABS PRETORIA

DRAWING TITLE

ROOM EG04 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-104

REV 0A