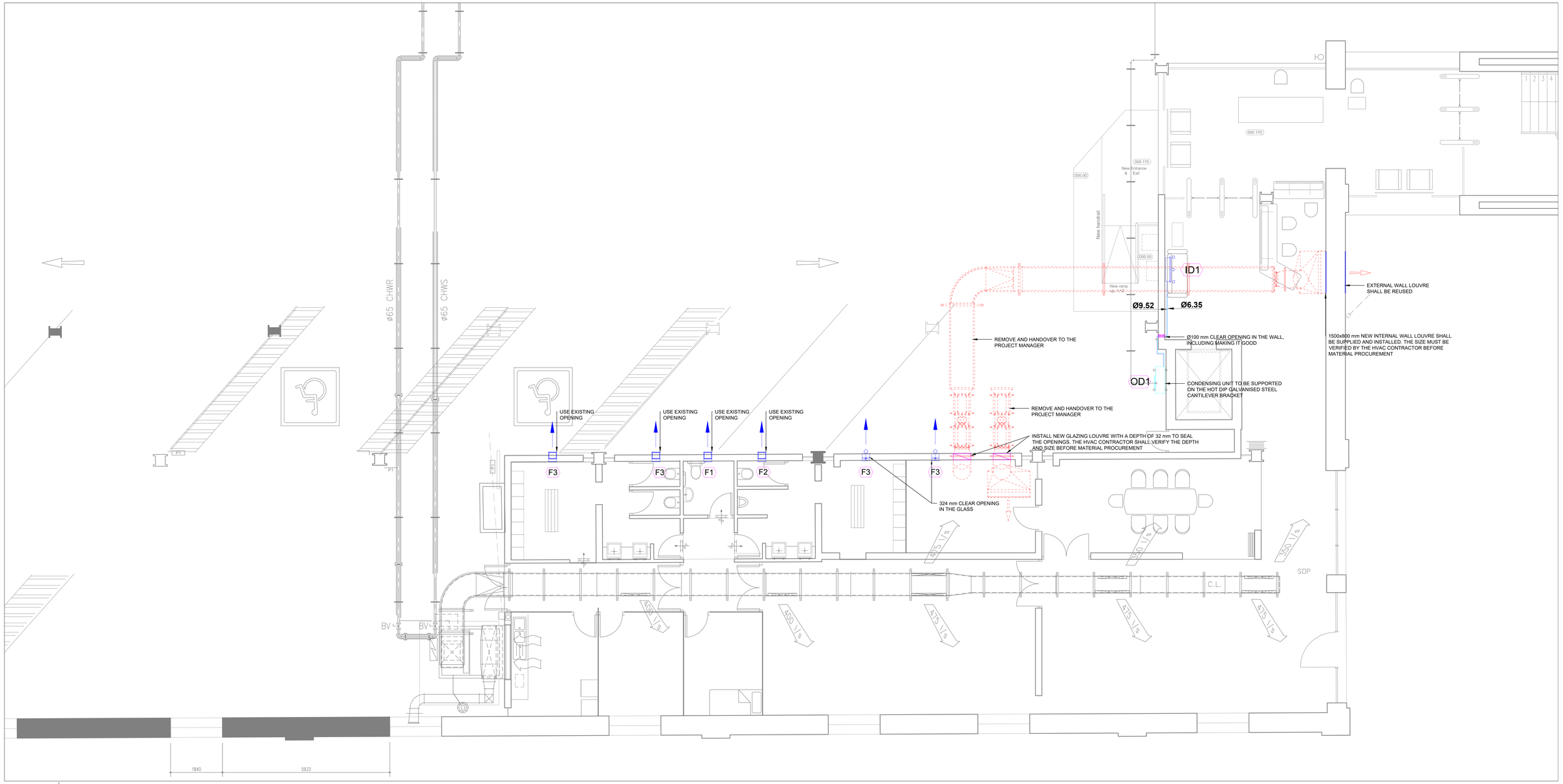

FLOOR PLAN: HVAC LAYOUT

SCALE 1:50

MECHANICAL / BUILDER'S WORK :

AC CONTRACTOR MUST MARK UP ON SITE PRIOR TO INSTALLATION FOR CORING OF HOLES FOR HVAC DUCT, WALL LOUVRE INSTALLATION, FAN INSTALLATION AND ELECTRICAL CONDUIT.

USE FIGURED DIMENSIONS IN PREFERENCE TO SCALING. CONTRACTOR TO VERIFY ALL DIMENSIONS AND LEVELS PRIOR TO THE COMMENCEMENT OF ANY WORK BEING CARRIED OUT AND ALL DISCREPANCIES TO BE REPORTED TO PROJECT MANAGER.

NOTE 1. REMOVE AND REPLACE EXISTING GX9 EXTRACTOR FAN WITH NEW GX9 EXTRACTOR FAN.

NOTE 2. REMOVE AND REPLACE EXISTING GX12 EXTRACTOR FAN WITH NEW GX12 EXTRACTOR FAN

NOTE 4. RETURN EXTRACTOR FANS TO CLIENT.

EXISTING AC DIFFUSERS AND GRILLES SHALL BE COVERED TO PREVENT DUST FROM ENTERING THE DUCTWORK

ELECTRICAL WORK:

ELECTRICAL SUPPLY TO HVAC EQUIPMENT SHALL BE THROUGH A SUITABLE ISOLATOR/POWER SUPPLY POINT BY ELECTRICAL ENGINEER.

FINAL DISTRIBUTION FROM THE ISOLATOR/POWER SUPPLY POINT, INCLUDING CONTROL PANEL, BOARDS, WIRING, CONTROLLERS ETC, SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.

ALL ELECTRICAL INSTALLATION WORK UNDERTAKEN BY THE HVAC CONTRACTOR SHALL BE DONE BY A QUALIFIED ELECTRICIAN / MASTER ELECTRICIAN AND A CERTIFICATE OF COMPLIANCE SHALL BE PROVIDED ON COMPLETION OF WORK.

ELECTRICAL EQUIPMENT SHALL BE EQUAL OR SIMILAR APPROVED TO MERLIN GERIN.

FAN SCHEDULE

ITEM	DESCRIPTION	
F1	LOCATION	: WINDOW MOUNTED
	INPUT POWER (MAX)	: 85W
	HOLE DIAMETER	: 240mm
	QUANTITY	: 1
F3	LOCATION	: WINDOW MOUNTED
	INPUT POWER (MAX)	: 85W
	HOLE DIAMETER	: 324mm
	NO. OFF	: 4
F2	LOCATION	: WINDOW MOUNTED
	INPUT POWER (MAX)	: 41 W
	HOLE DIAMETER	: 257 mm
	QUANTITY	: 1

AIR CONDITIONING SCHEDULE

ITEM	DESCRIPTION	
ID1	LOCATION	: OUTDOOR WALL MOUNTED
	DIM(WxHxD)	: 837 x 308 x 189 mm
	COOLING	: 3.52 kW
	QUANTITY	: 1
OD2	LOCATION	: WALL MOUNTED
	INPUT POWER	: 1.085 kW
	DIM(WxHxD)	: 717 x 843 x 230 mm
	POWER SUPPLY	: 1/220-240/50
	QUANTITY	: 1

LEGEND AND ACRONYMS

	GAS REFRIGERANT
	LIQUID REFRIGERANT
DG1	DOOR GRILLE

NOTES
1. DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.
3. ALL LEVELS ARE IN METERS TO MEAN SEA LEVEL

DRAWING NO. | DRAWING DESCRIPTION

REFERENCE DRAWINGS

NO. | DESCRIPTION | BY | CHKD | APPD | DATE

A | ISSUE FOR TENDER | CKK | PV | PV | 19/09/2025

REVISIONS

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PRIVATE OPERATOR LOGO

CONSULTANTS ENGINEERS LOGO

CONTRACTOR / CONSULTANT

TITLE	NAME	SIGN	DATE
DRAWN	.	.	. . .
CHECKED	.	.	. . .
DESIGNED	.	.	. . .
CHECKED	.	.	. . .

PR.ENG. / PR.TECH./PR. ARCH

NAME	XX	DATE
SIGNATURE		. . .
REG. NUMBER	XXXXX	
TITLE		
SCALE :	XX	

TRANSNET NATIONAL PORTS AUTHORITY

TITLE	NAME	SIGN	DATE
DRAWN	CK KGATWE		19 09 25
CHECKED	P VILAKAZI		19 09 25
DESIGNED	CK KGATWE		19 09 25
CHECKED	P VILAKAZI		19 09 25

PR.ENG. / PR.TECH./PR. ARCH

NAME	P VILAKAZI	DATE
SIGNATURE		19 09 25
REG. NUMBER	2019300435	
TITLE	SENIOR ENGINEER	
PAPER SIZE :		A0

TRANSNET DRG. NO. NH63A0000 - 000 - 00 | REV. 00

Transnet National Ports Authority

TRANSNET SOC Ltd : REG No. 1990/000900/30
237 MAHATMA GANDHI ROAD, POINT
DURBAN
6001
TEL.: 031 361 1696

PROJECT / AREA / ASSET / SUBJECT/DRAWING TITLE

PORT OF DURBAN

REFURBISHMENT OF QUEENS WAREHOUSE
HVAC LAYOUT
GROUND FLOOR PLAN

PROJECT DRG. NO. XDNE037 - 1 - 500 - M - LA - 0001-01 | REV. OA