33m(L) x 15m(W) x 1.5m (D) SWIMMING POOL BY POOL SPECIALIST

LEGEND

	FITTING	DESCRIPTION
	SV / EV	AIR DIFFUSER
	FD	FIRE DAMPER
	RAG	RETURN AIR GRILLE
	SAF / EAF	SUPPLY / EXTRACTION AIR FAN
	SAF / EAF (WM)	SUPPLY / EXTRACTION AIR FAN (WALL MOUNTED)
	SA	SOUND ATTENUATOR
C	C	WALL MOUNTED CONTROLLER
	HWU	HIGH-WALL UNIT
	OU	OUTDOOR UNIT

GENERAL NOTES (as applicable)

1. ALL HIDE AWAY SPLIT UNITS TO BE SECURELY MOUNTED IN ROOF SPACE USING C-CHANNEL CONFIGURATION APPROVED BY THE STRUCTURAL ENGINEER.
2. ALL DUCTING TO BE LAID OUT BY A DUCTING SPECIALIST.
3. ALL CORING ARE SUBJECT TO APPROVAL BY STRUCTURAL ENGINEER.
4. ALL AC DUCTING TO BE INSULATED UNLESS OTHERWISE SHOWN.
5. CONDENSATE TO BE RETICULATED TO NEAREST FOUL SEWER DRAIN BY HVAC CONTRACTOR.
6. ALL DUCTING TO BE MANUFACTURED ACCORDING TO SANS 1238:2005 AS LOW PRESSURE DUCTING IN GALVANISED SHEET METAL.
7. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SHOWN.
8. ALL BEND RADII TO BE MIN 150mm.
9. ALL DUCT SIZES ARE INTERNAL MEASUREMENTS AND EXCLUDE FLANGES AND INSULATION THICKNESS.
10. ACOUSTIC LINING TO BE FITTED TO FIRST 12 METERS OF DUCTING AFTER UNIT SUPPLY AIR DISCHARGE.
11. FIRE DAMPERS SHALL BE 2HR FIRE RATED IN ACCORDANCE WITH SANS 193:2004.
12. FIRE DAMPERS TO BE FUSIBLE LINK WITH MANUAL RESET.
13. ALL DUCT SUPPORTS AS PER SANS 10173:2003.
14. ALL SUPPORTS AND BRACKETS ARE TO BE HOT DIPPED GALVANISED.
15. NECESSARY BUILDERS WORK TO BE INDICATED TO PRINCIPLE CONTRACTOR IN GOOD TIME.
16. FLEXIBLE CONNECTIONS TO BE 1.5m LONG (MAX) STRETCHED LENGTH.
17. EQUIPMENT SCHEDULES INDICATION ONLY.
18. ALL CHILLED SUPPLY AIR DUCTING TO BE EXTERNALLY INSULATED.
19. FRESH AIR VOLUMES ON DUCTED UNITS SHALL BE COMMISSIONED AT MEDIUM FAN SPEED.
20. THE KITCHEN EXTRACTION FACILITY SHALL BE FITTED WITH AN EASILY ACCESSIBLE GREASE TRAP IN THE DUCT LEADING FROM SUCH FACILITY AND PROVISION SHALL BE MADE AT EVERY CHANGE IN DIRECTION OF SUCH DUCT FOR EASY INSPECTION AND FOR CLEANING OF THE INTERIOR OF THE DUCT.
21. NOTE THESE DRAWINGS ARE CONCEPT DRAWINGS. HVAC CONTRACTOR TO PREPARE SHOP DRAWINGS BASED ON SITE MEASUREMENTS.
22. CONFLICTS, ERRORS OR DISCREPANCIES FOUND IN THIS LAYOUT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION IMMEDIATELY.
23. THE INSTALLATION MUST BE UNDERTAKEN BY A SUPPLIER THAT IS APPROVED BY THE OEM AS AN AUTHORIZED INSTALLATION AGENT.
24. THE HVAC CONTRACTOR TO ISSUE A CERTIFICATE OF COMPLIANCE IN ACCORDANCE WITH SANS 1850 (COMMERCIAL KITCHENS).
25. THESE DRAWINGS ARE FOR SUBMISSION PURPOSES AND IS SUBJECT TO THE REGULATIONS OF THE LOCAL AUTHORITY BYLAWS AND APPROVAL FROM THE LOCAL AUTHORITY.

FIRE PROTECTION

THE INSTALLATION OF THIS VENTILATION SYSTEM AS WELL AS ANY AIR-CONDITIONING SYSTEM THAT MAY BE INCORPORATED MUST COMPLY WITH SANS 10400-PART T (SECTION 4.43).

ISSUED FOR TENDER

CLIENT

KWAZULU-NATAL PROVINCE
EDUCATION
REPUBLIC OF SOUTH AFRICA

IMPLEMENTING AGENT

DBSA
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Project

PROPOSED NEW MARITIME SCHOOL OF EXCELLENCE

Drawing Title

HVAC INSTALLATION LAYOUT

GROUND STOREY

Date: 10.11.2021	Designed by	S.R.B
	Drawn by	K.B
	Checked by	S.R.B
Scale 1:200	Drawing No. MSE-HVAC-GF-02	Rev. 02