



LEGEND:		
SYMBOL:	DESCRIPTION:	QTY:
	4 WAY CASSETTE AC UNIT	
	UNDER CEILING AC UNIT	
	MID WALL AC UNIT	
	OUTDOOR CONDENSER UNIT	
	FRESH AIR FAN	
	ATTENUATOR	
	AIR FILTER	
	EXTRACTION AIR FAN	
	FRESH AIR DIFFUSER	
	CEILING MOUNTED EXTRACTION FAN	
	FRESH AIR DUCTING	
	EXTRACTION AIR DUCTING	
	FLEXIBLE DUCTING	
	REFRIGERANT PIPING HOT	
	REFRIGERANT PIPING COLD	
	CONDENSATE DRAIN PIPING	
	WALL MOUNTED FRESH FAN WITH FILTERS	
	WALL MOUNTED EXTRACTION FAN WITH FILTERS	

REVISIONS		
DATE	INITIALS	DESCRIPTION

APPROVED / ACCEPTED BY:
RESPONSIBLE PERSON:
SIGNATURE:
DATE:

CLIENT:



Province of the  
**EASTERN CAPE**  
EDUCATION



**- mpande -**  
consultants  
architects & project managers

13 Cumberland Street, Mthatha  
P.O. Box 7180  
Mthatha, 5100  
Tel: 047-532-5382  
Fax: 056-648-2131

18 Louw Geldenhuys Drive,  
Emmarentia, Johannesburg  
P.O. Box 51164  
Auckland Park, 2006  
Tel: 011-648-2623  
Fax: 086-648-1935  
Email: [mpande@architen.co.za](mailto:mpande@architen.co.za)

DRAWING NUMBER:	
DRAWING REVISION:	0

CONSULTING ENGINEERS:



**DFR**  
K W A K U D I

89 VILLIERS ROAD  
WALMER P.E.  
6055  
TEL: 041 581 1451  
FAX: 041 581 2300  
CELL: 073 531 3664  
E-MAIL: [sakhosha@dfreng.co.za](mailto:sakhosha@dfreng.co.za)

This drawing is the property of DFR Engineers.  
Copyright:  
The contents of this drawing is the property of the owner and is confidential. It shall not be  
any manner be reproduced, destroyed, lent or given away without the permission of the  
owner.

PROJECT:  
EC HILL BROW

DISCIPLINE:  
MECHANICAL ENGINEERING SERVICES

DRAWING TITLE:  
23490-LUSIKISIKI-HILLBROW SCIENCE LAB  
+ HOD (BLOCK P-AE) HVAC

APPROVED DFR:	
SCALE: 1:100	DESIGNED: TI
PAPER SIZE: A1	DRAWN: TI
DATE: 03/05/2023	CHECKED: HH
CAD FILE:	
DWG NO: 23490-HV-003	REVISION 1