RECORD Inspection Report

Compiled by: Frikkie Malan Approved by: Rujeanne Swanepoel Date Approved: 12 September 2022

Inspection Report Date: 03 November 2022 Nikhil Naidoo RMS EPC Inspector:

Certification Name: University o	f Johannesburg_APK Sport Hall				
Client Information		Building Location			
Company Name: University of .	Johannesburg	-	Address 1: Corner King.	sway and Univer	sity Road,
Building Name: APK Sport Ha	II .		Auckland Po	ırk	
	<u>-</u>		City: Johannesbu	rg	
			Province: Gauteng		
Client Representative		Building Information	(from SANS 10400-	XA:2021)	
Name: Masala Mbar	mbeleli	Ene	rgy Zone:	1	
Contact Number: (078) 667 176	50	Occupa	ncy Class:	A2	
E-mail Address: mmasala@uj	.ac.za	Reference Energy Cons	sumption:	95	
Building Assessment Planning	<u> </u>		*from SANS1040	00-XA : 2021	
Use the large star identified the same		Name and Surname of the owner during the site insp		ed the property	
Has the Inspector identified the person who will assist the Inspector during the assessment?	Yes	Masala Mbambeleli			-
		Date of the In	spection:	2022/10/06	
Has the Inspector phoned the inspection assistant to inspection arrangements?	Yes	Si	tart Time:	9:00 am	
			Duration:	30 minutes	
Did the Inspector share the Building Assessment Method Statement with the	Yes				
Building Representative?	103				
Has the Inspector confirmed the site	No				
Has the Inspector confirmed the site Health & Safety arrangements?	No				
Health & Safety arrangements? Details on when and how Building Assessment Method St.			llth and Safety consider	ations	
Health & Safety arrangements?		Details on Hea		ations	
Health & Safety arrangements? Details on when and how Building Assessment Method St.				ations	
Health & Safety arrangements? Details on when and how Building Assessment Method St.				ations	
Health & Safety arrangements? Details on when and how Building Assessment Method Standard by Nikhil Naidoo to the client rep		General H&S consideration		ations	
Health & Safety arrangements? Details on when and how Building Assessment Method Stribared by Nikhil Naidoo to the client rep Confirmation by Building Representative:	atement was shared	General H&S consideration Building Operations		ations	
Health & Safety arrangements? Details on when and how Building Assessment Method Stribared by Nikhil Naidoo to the client rep Confirmation by Building Representative: Year of Assessment Start	2021/01/01	General H&S consideration Building Operations During the Year of Assessment:	is apply		
Health & Safety arrangements? Details on when and how Building Assessment Method Stribared by Nikhil Naidoo to the client rep Confirmation by Building Representative: Year of Assessment Start	atement was shared	General H&S consideration Building Operations During the Year of Assessment: Single or Multiple	s apply Tenants?	Single	
Health & Safety arrangements? Petails on when and how Building Assessment Method St. hared by Nikhil Naidoo to the client rep Confirmation by Building Representative: ear of Assessment Start	2021/01/01	General H&S consideration Building Operations During the Year of Assessment:	s apply Tenants?		
Health & Safety arrangements? etails on when and how Building Assessment Method St. hared by Nikhil Naidoo to the client rep confirmation by Building Representative: ear of Assessment Start ear of Assessment End	2021/01/01	Building Operations During the Year of Assessment: Single or Multiple Confirm Building Occu	Tenants?	Single	
Health & Safety arrangements? The stails on when and how Building Assessment Method State of the client rep The stails on when and how Building Representative: The start of Assessment Start of Assessment End The start of Assessment End	2021/01/01	Building Operations During the Year of Assessment: Single or Multiple Confirm Building Occu Building Operating H	Tenants? pancy (%)	Single 100%	hours/week
Health & Safety arrangements? Petails on when and how Building Assessment Method St. hared by Nikhil Naidoo to the client rep Confirmation by Building Representative: ear of Assessment Start ear of Assessment End Energy Carriers Uring the Year of Assessment:	2021/01/01 2021/12/31	Building Operations During the Year of Assessment: Single or Multiple Confirm Building Occu Building Operating H	Tenants? pancy (%) OURS	Single 100% hours/day	hours/week
Health & Safety arrangements? The stails on when and how Building Assessment Method State of the client rep The stails on when and how Building Representative: The start of Assessment Start of Assessment End The start of Assessment End	2021/01/01 2021/12/31	Building Operations During the Year of Assessment: Single or Multiple Confirm Building Occu Building Operating H Start Mon to Thurs 07:00:0	Tenants? pancy (%) OUTS End 18:00:00	Single 100% hours/day	hours/week 44 11
Health & Safety arrangements? The etails on when and how Building Assessment Method St. The etails on when and how Building Assessment Method St. The etails of the client rep The etails on when and how Building Representative: The etails of the eta	2021/01/01 2021/12/31 7 Yes 7 No	Building Operations During the Year of Assessment: Single or Multiple Confirm Building Occu Building Operating H Start Mon to Thurs Fridays 07:00:0	Tenants? pancy (%) OURS End 00 18:00:00 00 18:00:00	Single 100% hours/day 11 11	44 11
Health & Safety arrangements? Petails on when and how Building Assessment Method St. hared by Nikhil Naidoo to the client rep Confirmation by Building Representative: ear of Assessment Start ear of Assessment End Energy Carriers uring the Year of Assessment: Did the building use grid supplied electricity Did the building use golar PV electricity	2021/01/01 2021/12/31 2021/12/31	Building Operations During the Year of Assessment: Single or Multiple Confirm Building Occu Building Operating H Start Mon to Thurs 07:00:0 Fridays 07:00:0	Tenants? pancy (%) OUTS End 00 18:00:00 00 18:00:00 00 00:00:00	Single 100% hours/day	44
Health & Safety arrangements? Details on when and how Building Assessment Method St. hared by Nikhil Naidoo to the client rep Confirmation by Building Representative: ear of Assessment Start ear of Assessment End Energy Carriers uring the Year of Assessment: Did the building use grid supplied electricity Did the building use solar PV electricity Did the building use diesel fuel	2021/01/01 2021/12/31 ? Yes ? No ? Yes ? No	Building Operations During the Year of Assessment: Single or Multiple Confirm Building Occu Building Operating H Start Mon to Thurs Fridays O7:00:(Saturdays O0:00:0	Tenants? pancy (%) OUTS End 00 18:00:00 00 18:00:00 00 00:00:00	Single 100% hours/day 11 11 0	44 11 0
Health & Safety arrangements? Details on when and how Building Assessment Method States and the States of Assessment Method States are seen as a second service of Assessment Start (ear of Assessment Start (ear of Assessment End Energy Carriers Did the building use grid supplied electricity Did the building use solar PV electricity Did the building use diesel fuel Did the building use gas electricity	2021/01/01 2021/12/31 ? Yes ? No ? Yes ? No ? No	Building Operations During the Year of Assessment: Single or Multiple Confirm Building Occu Building Operating H Start Mon to Thurs Fridays O7:00:(Saturdays O0:00:0	Tenants? pancy (%) OUTS End 00 18:00:00 00 18:00:00 00 00:00:00	Single 100% hours/day 11 11 0 0	44 11 0 0
Health & Safety arrangements? Petails on when and how Building Assessment Method St. hared by Nikhil Naidoo to the client rep Confirmation by Building Representative: ear of Assessment Start ear of Assessment End Energy Carriers uring the Year of Assessment: Did the building use grid supplied electricity Did the building use solar PV electricity Did the building use diesel fuel Did the building use gas Did the building use gas Did the building use gas	2021/01/01 2021/12/31 ? Yes ? No ? Yes ? No ? No ? No	Building Operations During the Year of Assessment: Single or Multiple Confirm Building Occu Building Operating H Start Mon to Thurs Fridays O7:00:(Saturdays O0:00:0	Tenants? pancy (%) OUTS End 00 18:00:00 00 18:00:00 00 00:00:00	Single 100% hours/day 11 11 0 0	44 11 0 0
Health & Safety arrangements? Petails on when and how Building Assessment Method St. hared by Nikhil Naidoo to the client rep Confirmation by Building Representative: ear of Assessment Start ear of Assessment End Cinergy Carriers Uid the building use grid supplied electricity Did the building use solar PV electricity Did the building use diesel fuel Did the building use any solid fuel for energy Was energy exported from the building	2021/01/01 2021/12/31 ? Yes ? No ? Yes ? No ? No ? No	Building Operations During the Year of Assessment: Single or Multiple Confirm Building Occu Building Operating H Start Mon to Thurs O7:00:0 Fridays O7:00:0 Saturdays O0:00:0	Tenants? pancy (%) OUTS End 00 18:00:00 00 0:00:00 00 00:00:00 00 00:00:00	Single 100% hours/day 11 11 0 Total	44 11 0 0
Health & Safety arrangements? Letails on when and how Building Assessment Method St. hared by Nikhil Naidoo to the client rep Confirmation by Building Representative: Lear of Assessment Start Lear of Assessment End Linergy Carriers Did the building use grid supplied electricity Did the building use solar PV electricity Did the building use any solid fuel for energy Was energy exported from the building use learning was energy exported from the building use learning the Floor Area (are these on the plans?)	2021/01/01 2021/12/31 ? Yes ? No ? Yes ? No ? No ? No ? No	Building Operations During the Year of Assessment: Single or Multiple Confirm Building Occu Building Operating H Start Mon to Thurs 07:00:0 Fridays 07:00:0 Saturdays 00:00:0 Sundays O0:00:0	Tenants? pancy (%) OUTS End 00 18:00:00 00 0:00:00 00 00:00:00 00 00:00:00	Single 100% hours/day 11 11 0 Total	44 11 0 0
Health & Safety arrangements? Petails on when and how Building Assessment Method St. hared by Nikhil Naidoo to the client rep Confirmation by Building Representative: ear of Assessment Start ear of Assessment End Cinergy Carriers Uid the building use grid supplied electricity Did the building use solar PV electricity Did the building use diesel fuel Did the building use any solid fuel for energy Was energy exported from the building	2021/01/01 2021/12/31 ? Yes ? No ? Yes ? No ? No ? No ? No ? No	Building Operations During the Year of Assessment: Single or Multiple Confirm Building Occu Building Operating H Start Mon to Thurs O7:00:0 Fridays O7:00:0 Saturdays O0:00:0	Tenants? pancy (%) OUTS End 00 18:00:00 00 0:00:00 00 00:00:00 00 00:00:00	Single 100% hours/day 11 11 0 Total	44 11 0 0
Health & Safety arrangements? Details on when and how Building Assessment Method States and the State of Assessment Start (rear of Assessment End Energy Carriers Did the building use grid supplied electricity Did the building use grid supplied electricity Did the building use grid full the building use grid supplied electricity Did the building use grid full the building use grid supplied electricity Did the building use grid full the building use grid supplied electricity Did the building use grid full the building use grid supplied electricity Did the building use any sold fuel for energy Was energy exported from the building Wet Floor Area (are these on the plans?) Building layout during the year of assessment	2021/01/01 2021/12/31 ? Yes ? No ? Yes ? No ? No ? No ? No ? No ? No ? Yes	Building Operations During the Year of Assessment: Single or Multiple Confirm Building Occu Building Operating H Start Mon to Thurs 07:00:0 Fridays 07:00:0 Saturdays 00:00:0 Sundays O0:00:0	Tenants? pancy (%) OUTS End 00 18:00:00 00 0:00:00 00 00:00:00 00 00:00:00	Single 100% hours/day 11 11 0 Total	44 11 0 0
Health & Safety arrangements? Details on when and how Building Assessment Method St. Shared by Nikhil Naidoo to the client rep Confirmation by Building Representative: Year of Assessment Start Year of Assessment End Energy Carriers Did the building use grid supplied electricity Did the building use solar PV electricity Did the building use diesel fuel Did the building use agas Did the building use any solid fuel for energy Was energy exported from the building Net Floor Area (are these on the plans?) Building layout during the year of assessmen	2021/01/01 2021/12/31 ? Yes ? No ? Yes ? No	Building Operations During the Year of Assessment: Single or Multiple Confirm Building Occu Building Operating H Start Mon to Thurs 07:00:0 Fridays 07:00:0 Saturdays 00:00:0 Sundays O0:00:0	Tenants? pancy (%) OUTS End 00 18:00:00 00 0:00:00 00 00:00:00 00 00:00:00	Single 100% hours/day 11 11 0 Total	44 11 0 0

RECORD Inspection Report

Compiled by: Frikkie Malan Approved by: Rujeanne Swanepoel Date Approved: 12 September 2022

Report Date	03 November 2022
RMS EPC Inspector:	Nikhil Naidoo

onsumption Source Data	Bulk check meter data				
·			-		
	Validations Checks		Results		
	Confirm meter location with reticulation diagram	Yes		Consumption Unit of Measure	kWh
	Confirm meter existence and purpose with building rep	Yes		Annual Consumption Value	239 563
	Compare Serial numbers (data file vs reticulation)	Yes		kWh per Annum	239 563
	Check that data time-period is for Year of Assessment	Yes			
	Check data completeness (identify estimates)	Yes			
	Compare data with another data source	Yes			
	Visually inspect meter on site	Yes			
•	Compare meter serial number (on meter) with other S/N ethods used ck the impact of deviating the figure by 2% on the building EPC g	Yes	eve no impact on the E	PC grade.	
· · · · · · · · · · · · · · · · · · ·	ethods used	Yes	- ave no impact on the E	PC grade.	
ensitivity analsyis was done to che	ethods used ck the impact of deviating the figure by 2% on the building EPC g	Yes	eve no impact on the E	PC grade.	
ensitivity analsyis was done to che	ethods used ck the impact of deviating the figure by 2% on the building EPC g	Yes	ave no impact on the E	PC grade.	
ensitivity analsyis was done to che	ethods used ck the impact of deviating the figure by 2% on the building EPC g	Yes	eve no impact on the E	PC grade.	
ensitivity analsyis was done to che	ethods used ck the impact of deviating the figure by 2% on the building EPC g	Yes	eve no impact on the E	PC grade.	
sensitivity analsyis was done to che	ethods used ck the impact of deviating the figure by 2% on the building EPC g	Yes	eve no impact on the E	PC grade.	
escribe any other validation m sensitivity analsyis was done to che spector comments from site a	ethods used ck the impact of deviating the figure by 2% on the building EPC g	Yes	eve no impact on the E	PC grade.	
sensitivity analsyis was done to che	ethods used ck the impact of deviating the figure by 2% on the building EPC g	Yes	eve no impact on the E	PC grade.	
sensitivity analsyis was done to che	ethods used cck the impact of deviating the figure by 2% on the building EPC g ssessment	Yes	eve no impact on the E	PC grade.	
ensitivity analsyis was done to che	ethods used cck the impact of deviating the figure by 2% on the building EPC g ssessment	Yes	eve no impact on the E	PC grade.	

RECORD Inspection Report Compiled by: Frikkie Malan Approved by: Rujeanne Swanepoel Date Approved: 12 September 2022

Energy Carrier: Solar PV Supplied Electricity Validations Checks Confirm meter location with reticulation diagram Confirm meter location with reticulation Confirm meter location with reticulation Check that data line-period for For and Autosument Check data completeness illentify estimated Congrue data with another data source Visually inspect materia on site Compare meter surial number join meterly with other S/N Describe any other validation methods used Inspector comments from site assessment No diesel genset List any further actions that may be needed: No further actions that may be needed:	Certification Name:	University of Johannesburg_APK Sport Hall		
Validations Checks Confirm meter location with reticulation diagram Consumption Unit of Measure Compare Serial numbers (data file vs reticulation) Check that data time-period is for Year of Assessment Check data completeness (identify estimates) Compare data with another data source Visually inspect meter on site Compare meter serial number (on meter) with other \$/N Describe any other validation methods used Inspector comments from site assessment No diesel genset List any further actions that may be needed:	Energy Carrier: Solar PV Supplie	ed Electricity		
Confirm meter location with reticulation diagram Consumption Unit of Measure Annual Consumption Ann	Consumption Source Data	Energy source not in building		
Confirm meter existence and purpose with building representative Compare Serial numbers (data file vs reticulation) Check that data impegrical is for Year of Assessment Check data completeness (liderify estimates) Compare data with another data source Visually inspect meter on site Compare meter serial number (on meter) with other S/N Describe any other validation methods used Inspector comments from site assessment No diesel genset List any further actions that may be needed:	Validations Checks		Results	
Compare Serial numbers (data file vs reticulation) Check that data time period is for Year of Assessment Check data completeness (identify estimates) Compare data with meter on site Visually inspect meter on site Compare meter serial number (on meter) with other 5/N Describe any other validation methods used Inspector comments from site assessment No diesel genset List any further actions that may be needed:		Confirm meter location with reticulation diagram	Consumption Unit of Measure	kWh
Check data completeness (identify estimates) Compare data with another data source Visually inspect meter on site Compare meter serial number (on meter) with other \$/N Describe any other validation methods used Inspector comments from site assessment No diesel genset List any further actions that may be needed:	Confi	rm meter existence and purpose with building representative	Annual Consumption Value (Raw)	0
Check data completeness (identify estimates) Compare data with another data source Visually inspect meter on site Compare meter serial number (on meter) with other 5/N Describe any other validation methods used Inspector comments from site assessment No diesel genset List any further actions that may be needed:		Compare Serial numbers (data file vs reticulation)	kWh per Annum	0
Compare data with another data source Visually inspect meter on site Compare meter serial number (on meter) with other S/N Describe any other validation methods used Inspector comments from site assessment No diesel genset List any further actions that may be needed:		Check that data time-period is for Year of Assessment		
Visually inspect meter on site Compare meter serial number (on meter) with other \$/N Describe any other validation methods used Inspector comments from site assessment No diesel genset List any further actions that may be needed:		Check data completeness (identify estimates)		
Compare meter serial number (on meter) with other \$/N Describe any other validation methods used Inspector comments from site assessment No diesel genset List any further actions that may be needed:		Compare data with another data source		
Inspector comments from site assessment No diesel genset List any further actions that may be needed:		Visually inspect meter on site		
Inspector comments from site assessment No diesel genset List any further actions that may be needed:		Compare meter serial number (on meter) with other S/N		
		essment		
		e needed:		

RECORD Inspection Report Compiled by: Frikkie Malan Approved by: Rujeanne Swanepoel Date Approved: 12 September 2022

Certification Name:	University of Johannesburg_APK Sport Hall			
Energy Carrier: Diesel Fuel				
Consumption Source Data	Another source		I	
	Validations Checks		Results	
	Confirm invoices/delivery notes are for this building location	No	Consumption Unit of Measure	kWh
	Confirm invoices/delivery notes are for the Year of Assessment	No	Annual Consumption Value (Raw)	-
	Inspect generator or other diesel consuming equipment	Yes	MJ/ per unit of measure	39
	Inspect diesel storage facilities	Yes	GJ per annum	-
	Confirm diesel refilling rules	Yes	kWh per Annum	-
Inspector comments from site as No diesel genset found by site	sessment			
List any further actions that may	be needed:			
No further action required				

RECORD Inspection Report Compiled by: Frikkie Malan Approved by: Rujeanne Swanepoel Date Approved: 12 September 2022

Certification Name:	University of Johannesburg_APK Sport Hall		
Energy Carrier: Gas			
_		<u> </u>	
Consumption Source Data	Energy source not in building		
Validations Checks		Results	
	Confirm invoices/delivery notes are for this building location	Consumption Unit of Measure	kWH
	Confirm invoices/delivery notes are for the Year of Assessment	Annual Consumption Value (Raw)	0
	Inspect gas consuming equipment	MJ/ per unit of measure	46.1
	Inspect gas storage facilities	GJ per annum	0
	Confirm gas refilling rules	kWh per Annum	0
Describe any other validation m	ethods used		
Inspector comments from site a	ssessment		
List any further actions that ma	y be needed:		
No further action required			

RECORD Inspection Report Compiled by: Frikkie Malan Approved by: Rujeanne Swanepoel Date Approved: 12 September 2022

Certification Name:	University of Johannesburg_APK Sport Hall		
Energy Carrier: Solid Fuel			
Consumption Source Data	Energy source not in building		
/alidations Checks		Results	
variations cheeks	Confirm invoices/delivery notes are for this building location	Consumption Unit of Measure	kg
	Confirm invoices/delivery notes are for the Year of Assessment	Annual Consumption Value (Raw)	0
	Inspect generator or other diesel consuming equipment	MJ/ per unit of measure	0.0
	Inspect storage facilities	GJ per annum	0
	Confirm refilling rules	kWh per Annum	0
escribe any other validation methods	used		
Describe any other validation methods	used		
Describe any other validation methods			
nspector comments from site assessm	nent		
	nent		

RECORD Inspection Report Compiled by: Frikkie Malan Approved by: Rujeanne Swanepoel Date Approved: 12 September 2022

Report Date	03 November 2022
RMS EPC Inspector:	Nikhil Naidoo

Certification Name:	University of Johannesburg_APK Sport Hall		
Energy Carrier: Export Energy			
Consumption Source Data	Energy source not in building		
Validations Checks		Results	
	Confirm invoices/delivery notes are for this building location	Consumption Unit of Measure	kg
	Confirm invoices/delivery notes are for the Year of Assessment	Annual Consumption Value (Raw)	0
	Check whether readings are actual and not estimates	MJ/ per unit of measure	0.0
	Inspect storage facilities	GJ per annum	0
	Check data against another source	kWh per Annum	0
Describe any other validation method	ds used		
Inspector comments from site assessi	ment		
List any further actions that may be n	needed:		
No further action required			

RECORD Inspection Report Compiled by: Frikkie Malan Approved by: Rujeanne Swanepoel Date Approved: 12 September 2022

Report Date 03 November 2022
RMS EPC Inspector: Nikhil Naidoo

Certification Name: University of Johannesburg_APK Sport Ha	II	
Exclusions		
Store Rooms	Garages/Basement Parking	
Not applicable	Yes, the floor plan shows all the parking areas	
Outside Areas	Net Floor Area Report Findings	
No. The floor plan does not show all the outside areas	Construction Area:	
	Store Rooms Total	
	Outside Areas Total	
	Parking Area Total	
	Parking Area Total Vertical Elements	
	Vertical Elements	

Load Type	Qty	Wattage	Hours/Week	Wh/Week	Wks/Yr	kWh/Yea
circular wall lights	16	20	84	26 880	-	1 398
flood light	6	150	84	75 600	-	3 93
					-	
					-	
					-	
					-	
					-	
					-	
					-	
					-	
					-	
					-	
			Excluded Areas Total	kWh per Year		5 329
			Excluded Area Energy	as % of Total		2:

Excluded Energy is less than 10% of total building energy consumption and does not have to be shown on the certificate



RECORD Inspection Report Compiled by: Frikkie Malan Approved by: Rujeanne Swanepoel Date Approved: 12 September 2022

Report Date 03 November 2022
RMS EPC Inspector: Nikhil Naidoo

Certification Name:

University of Johannesburg_APK Sport Hall

Building Details

Building Name APK Sport Hall
Energy Zone 1
Reference Energy Consumption (kWh/m2.annum) 95
Year of Assessment Start 01 January 2021
Year of Assessment End 31 December 2021
Occupancy Class A2

Occupancy Rate 100%

Energy Carriers

Total Energy Consumption (kWh)	239 563
Grid Electricity (kWh):	239 563
Solar PV Electricity (kWh):	0
Diesel Fuel (kWh):	0
Gas (kWh):	0
Solid Fuel (kWh):	0
Export Energy (kWh):	0

Building Energy Performance

Energy per Unadjusted Net Floor Area (kWh/m2.annum):	150
Energy per Adjusted Net Floor Area (kWh/m2.annum):	150

Building Performance

-
Building Performance Scale (from SANS 1544)
Rating A: energy performance < 0.3Ereference
Rating B: 0.3Ereference <= energy performance < 0.6Ereference
Rating C: 0.6Ereference <= energy performance < 0.9Ereference
Rating D: 0.9Ereference <= energy performance < 1.1Ereference
Rating E: 1.1Ereference <= energy performance < 1.4Ereference
Rating F: 1.4Ereference <= energy performance < 1.7Ereference

Additional Information

Rating G: energy performance >= 1.7Ereference

Additional Information					
	No of floors (excl parking):				
	Year of Construction: >2 years				
	Year of Renovation: Within the	e past 2			
	Date of Approved Plans: >2 years				
	Cadastral (Erf no) Info:				

Signature: Inspector

Inspection Report Date: 03 November 2022

Certification Name: University of Johannesburg_APK Sport Hall

Net Floor Area

Total Net Floor Area	1 566
Excluded Area	0
Excluded Area % of Total	0%

Excluded Area Energy Consumption

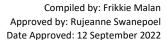
Excluded Area Ellergy Collsumption					
Total Excluded Area Energy Consumption (kWh)	5 329				
Net Energy = Total Energy - Exclusions = 239 563 - 5 329					
Equals (kWh)	234 234				
Excluded Area Energy as % of Total	2%				
Excluded Area Energy as % of Total	Z/0				

Building EPC Calculcation

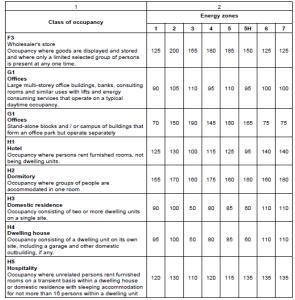
95
55
1.57
F

Signature: Client









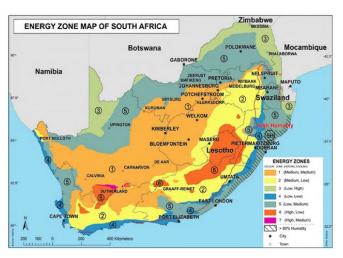


Table 1 — Maximum annual energy consumption per building classification for each energy zone (kWh/m²/a) (Energy zones as shown in figure 1 and annex C)

1	2							
Class of annual control	Energy zones							
Class of occupancy	1	2	3	4	5	5H	6	7
A1 Entertainment and public assembly Occupancy where persons gather to eat, drink, dance or participate in other recreation.	75	75	95	70	95	95	80	80
A2 Theatrical and indoor sport Occupancy where persons gather for the viewing of theatrical, operatic, orchestral, choral, cinematographical or sport performances.	95	95	110	90	110	110	105	105
A3 Places of instruction Occupancy other than primary or secondary schools, where students or other persons assemble for the purpose of tuition or learning.	110	155	110	125	140	140	120	120
A3 Places of instruction Occupancy where school children assemble for the purpose of tuition or learning	60	65	55	60	55	60	65	65
A4 Worship Occupancy where persons assemble for the purpose of worshipping.	70	45	45	40	50	40	70	70
E2 Hospital Occupancy where people are cared for or treated because of physical or mental disabilities and where they are generally bed-ridden.	325	335	225	295	295	230	345	345
E3 Other institutional (residential) Occupancy where groups of people who either are not fully fit, or who are restricted in their movements or their ability to make decisions, reside and are cared for	120	95	90	90	100	80	130	130
F1 Large shop Occupancy where merchandise is displayed and offered for sale to the public and the floor area exceeds 250 m².	125	200	155	180	185	150	125	125
F2 Small shop Occupancy where merchandise is displayed and offered for sale to the public and the floor area does not exceed 250 m².	75	150	100	125	130	95	80	80