Midvaal Local Municipality
Contact Details
PO Box 9, Meyerton, 1960
Tel: 016-360-7400
Fax: 016-360-7519
www.midvaal.gov.za

COMMUNITY SERVICES – PUBLIC SAFETY

PLAN ASSESSMENT

DATE ASSESSED:	ASSESSED BY:
STAND NO:	TOWNSHIP:
BUSINESS NAME:	
STREET ADDRESS:	

DESCRIPTION			
SITE DEVELOPMENT PLAN		N/A	TOTAL FLOOR AREA:
FIRE PROTECTION PLAN		N/A	OCCUPANCY CLASS:
RATIONAL DESIGN		N/A	DESIGN POPULATION:
FLAMMABLE SUBSTANCE INSTALLATION		N/A	

REQUIREMENTS – SDP / FIRE PROTECTION PLAN / RATIONAL DESIGN					
A	SUBDIVISION		B	WALLS	
1.	Tenancy		1.	General Fire Performance	
2.	Occupancy		2.	External and Boundary Distances	
3.	Division		3.	Fire Resistance i) Division Walls ii) Occupancy Separating Walls iii) Tenancy Separating Walls	
C	ROOFS		4.	Internal Walls and Partitions	
1.	General fire performance		5.	Openings in external walls / windows above grade	
2.	Roof assemblies and coverings		6.	Fire resistance of walls forming a feeder route	
3.	Roofs in theatres		7.	Fire resistance of walls forming an emergency route	
4.	Roofs built around a chimney		8.	Fire stopping of concealed spaces	
5.	Subdivision of roof voids		9.	Walls forming a service shaft	
D	CEILINGS		10.	Penetration of walls by services	
1.	General fire performance		11.	Walls forming a lift shaft	
2.	Suspended ceilings		12.	Walls in the construction of a stage and backstage area	
3.	Subdivision of ceiling voids		13.	Walls constructed in operating theatres and intensive care units	
4.	Location of dire dampers in fire stops		14.	Wall linings and finishes	
5.	Ceilings build around a chimney		15.	Fire walls between residential units	
E	BASEMENT		F	FIRE WATER RETICULATION (PART W)	
1.	Automatic sprinkler protection		1.	Schematic design	
2.	Natural smoke ventilation			i) Size of communication pipe	
3.	Mechanical smoke ventilation			ii) Location of any pipe, size of such pipe and material of which it is manufactured	
4.	Thresholds			iii) Location and capacity of storage tank	
				iv) Location of all hydrants, hose reels, fire pump connections, reflux valves and gauges	

G	DOORS	
1.	Fire Doors Classification	
2.	Doors in lift lobby	
3.	Doors in walls having a fire resistance rating	
4.	Doors in emergency routes	
5.	Doors in feeder routes	
6.	Garage doors	
J	FLOORING	
1.	General fire performance	
2.	Fire Resistance	
	i) Division floors	
	ii) Occupancy separating floors	
	iii) Structural support floors	
3.	Suspended combustible floors	
4.	Floors forming part of a feeder route	
5.	Floors forming part of an emergency route	
6.	Penetration of floors by services	
7.	Floors in parking garages	
8.	Floors in operating theatres and intensive care units	
9.	Floors built around a chimney or into hearths	
10.	Floor coverings	
11.	Mezzanine	
12.	Access floors void subdivision	
13.	Openings in floors	
K	ACCESS FOR FIRE FIGHTING AND RESCUE	
1.	Gate width, turning circle etc.	
L	FIRE EQUIPMENT REQUIRED	
1.	Manually activated audible alarm	
2.	Fire Detection	
3.	Fire equipment signage	
4.	Fire Hydrants	
5.	Hose Reels	
6.	Fire Extinguishers	
7.	Automatic sprinkler protection	
8.	Emergency evacuation communication system	
O	SERVICES	
1.	Services in structural or separating elements	
2.	Service shafts	
3.	Fire stopping	
Q	AUDITORIUM, HALLS, GRANDSTANDS	
1.	Seating arrangements	
2.	Exit width calculations	
3.	Travel distances	
4.	Floor coverings	

H	EMERGENCY POWER SUPPLY	
1.	Detail of supply	
2.	Location of standby generator	
3.	Location and size of service tank	
I	ESCAPE ROUTES	
1.	Provisions of escape routes	
2.	Doors in escape routes	
3.	Width of escape routes	
4.	Calculation of width	
5.	Travel distances	
6.	Floors/Walls/Ceiling forming part of an escape route	
7.	Headroom in escape routes	
8.	Stairways and other changes in level	
9.	Ventilation of stairways	
10.	Pressurization of stairways	
11.	Illumination of escape signs above access & escape doors	
12.	External stairways and passages	
13.	Unprotected openings in facade	
14.	Point of discharge of an escape route	
15.	Escape and/or exit door swing	
16.	Photoluminescent escape signage	
17.	Emergency lighting	
18.	Ramps	
19.	Basements	
20.	Approved locking devices	
21.	Lobbies forming part of an escape route	
M	LIFTS	
1.	Lift shafts	
2.	Lift controls	
3.	Firemen's lift	
4.	Stretcher lift	
N	VENTILATION	
1.	Smoke control details	
	i) Make and model	
	ii) Aerodynamic fire vent area	
2.	Fire dampers	
3.	Flexible connections or joints	
4.	Schematic design of mechanical smoke detection	
P	THEATRES	
1.	Stage and backstage areas	
2.	Fire curtains	
3.	Sprinkler system	
4.	Ventilation (Stage)	
5.	Seating	
6.	Exit aisles	

R	REQUIREMENTS – FLAMMABLE SUBSTANCE INSTALLATION		
LPG Manifold Layout (e.g. 2 x 2 / 5 x 5)		Safety Distances	
LPG Storage Qty (Kg & Litre)		Fire Equipment (LPG – SANS10087-7 Table 1)	
LPG Filling Area Max Qty. (500kg)		LPG – Container Separation Full/Empty clearly demarcated areas	
LPG Storage Qty.		Access for fire fighting	
LPG Bulk Above Ground - m^3		Signage	
LPG Bulk Under Ground - m^3		Tanker Route	
Flam. Liquid <1000 Litres		Fire Notes	
Flam. Liquid Above Ground – Class_____ m^3		Ventilation	
Flam. Liquid Under Ground – Class_____ m^3		Elevations on Plan	
Service Station		Site Plan	
Internal Store – Maximum Quantity		Boundary Indicated	
External Store – Maximum Quantity		Building Lines Indicated	
Spray Room - m^2		Monitoring Wells	
Spray Booth - m^2		Bonding Points	
Other:		Fire Rating	
		More than two walls perpendicular	

REMARKS