





**SUMMARY:** CLASSIFICATION H3 - DOMESTIC RESIDENCE AS PER SANS 10400-A:2010 - TABLE 1 4 PEOPLE (FIXED SEATS) AS PER SANS 10400-A:2010 - TABLE 2 TOTAL POPULATION AS PER ARCHITECTS BUILDING PLANS STOREYS 12TH STOREY BUILDING **TOTAL AREA** 219 m<sup>2</sup> AS PER ARCHITECTS BUILDING PLANS FIRE EQUIPMENT QTY REQUIREMENT 1 x 4.5kg DCP 1/400 m<sup>2</sup> FIRE EXTINGUISHERS AS PER SANS 10400-T:2020 - TABLE 10 1 x 30m 1/500 m<sup>2</sup> FIRE HOSE REEL AS PER SANS 10400-T:2020 - 4.34 FIRE HYDRANTS 1 FIRE HYDRANT 1 PER FLOOR AS PER SANS 10400-T:2020 - 4.35

E EXISTING

## NOTES:

- 1. FIRE PROTECTION TO SANS 10400-T:2020, DEEMED TO SATISFY SET OF RULES APPLICABLE, AS SET OUT IN T1.
- 2. MAIN OCCUPANCY CLASSIFIED AS H3.
- 3. THE STRUCTURAL STABILITY SHALL NOT BE LESS THAN 120 MINUTES, AS PER SANS 10400-T:2020, SUBSECTION T4.7 TABLE 5.
- 4. PARTITION WALLS TO HAVE A FIRE RESISTANCE OF NOT LESS THAN 30MIN AS PER SANS 10400-T:2020, SUBSECTION 4.9.
- 5. ALL ESCAPE ROUTES TO COMPLY TO SANS 10400-T:2020 AS WELL AS SANS 10400 PART M&S, BE 1000MM WIDE AND DOORS TO OPEN IN DIRECTION OF ESCAPE.
- 6. FIRE DETECTION NOT REQUIRED, AS PER SANS 10400-T:2020, SUBSECTION T4.31 TABLE 10.
- 7. ALL SAFETY DISTANCES LESS THAN 45 METERS AS PER SANS 10400-T:2020, SUBSECTION T4.16 PROVISION OF ESCAPE ROUTES.
- 8. FIRE EXTINGUISHERS AND FIRE HOSE REEL TO BE INSTALLED ACCORDING TO SANS 10400-T:2020, SANS 10105-2 AND SANS 10400 PART-W.
- 9. FIRE HOSE REELS SHALL BE 30 METERS LONG WITH PRESSURE GAUGES INSTALLED, PRESSURIZED TO 300KPA.
- 10. FIRE EXTINGUISHERS SHALL BE SUPPLIED 4,5 KG DCP AT A RATE OF 1 PER 400M2 FOR DOMESTIC RESIDENCE (H3) AND BE HUNG ONTO FIXED BACK BOARDS.
- 11. INTERNAL WALLS OF SERVICE SHAFTS SHALL HAVE A FIRE RESISTANCE OF NOT LESS THAN 120MIN AS PER SANS 10400-T:2020, SUBSECTION 4.40.
- 12. ALL SERVICE SHAFTS TO BE 120MIN FIRE STOPPED AS PER SANS 10400-T:2020, SUBSECTION 4.40.



	5	FIRE PIPING NOTES						
				FIR	E PIPING NOTES			
			2.	TO SANS 10400 ALL UNDERGRO	S AND FIRE HYDRANTS WATER INSTALLATIONS : PART-T/W: 2010 AND SANS 10252-1:2004. JND FIRE PIPING SERVING FIRE HYDRANTS			
YSTEMS	N/A			APPROVED.	AST Ø100MM CLASS 16 UPVC OR SIMILAR			
OF FIRE LATION &			ı	LEAST 1000MM I	JND FIRE PIPING TO BE COVERED WITH AT NATURAL GROUND AND THRUST BLOCKS TO BE ALL BENDS TO CIVIL ENGINEERS DETAILS.			
E FIGHTING			5.	CONNECTION DI ISOLATING VALV WHEN A COMBII	STIC PIPING TO BE SPLIT AS PER TYPICAL ERFETAIL PROVIDED, WITH BOOSTER CONNECTION, /ES AND NON-RETURN VALVE.  NED FIRE/DOMESTIC INSTALLATION IS USED IF			
ER FIXED	N/A		:	MUST BE COPPE SHALL BE INSTA	E REELS ARE REQUIRED, THE DOMESTIC PIPING R CLASS 2 AND PRESSURE REDUCING VALVES LLED ON ALL DOMESTIC TAKE-OFF BRANCHES. UND FIRE PIPING SHALL BE SANS 62 BLACK			
BLE	N/A		7. 1	MILD STEEL AND FIRE HOSE REEL	D PAINTED SIGNAL RED, SANS 630. S ON THE TOP STOREY TO BE FITTED WITH A SE AND AIR RELEASE VALVE.			
Т				NO PIPE WORK S	SHALL BE EMBEDDED IN THE SCREED OR			
SEPERATING			9. 1		RACKETS SHALL BE MAXIMUM 4.0M AND BE			
					ALL BE PRESSURE TESTED FOR 24 HOURS AT 1.5 RATING PRESSURE OF THE SYSTEM BY A			
[AL					IBER OR SPRINKLER INSTALLER.			
	N/A				DRAWINGS ARE DN(NOMINAL DIAMETER).  STEEL PIPING TO BE DENSO WRAPPED AND			
	N/A		-	PROTECTED AGA	NINST CORROSION.			
	N/A							
	N/A				COPYRIGHT:			
5	N/A		THIS D	PRAWING IS THE P	ROPERTY OF PR ENGINEERING			
UDITORIUMS OR	N/A		AND IS	CONFIDENTIAL. I	DRAWING IS THE PROPERTY OF THE OWNER T SHALL NOT IN ANY MANNER BE REPRODUCED, VEN AWAY WITHOUT THE PERMISSION OF THE OWNER.			
	N/A				LEGEND:			
SIVE CARE	N/A				LEGEND.			
DISPENCING	N/A							
(S	N/A							
RESCUE					F1 120 MIN FIRE WALLS			
F BUILDING					30 MIN PYRON S TYPE GLASS			
				•	4,5kg DCP FIRE EXTINGUISHER			
BUILDING FOR	N/A			FD-F	30 M FIRE HOSE REEL  CLASS F FIRE DOOR ON SELF CLOSER			
KFAST	N/A			FD-B	CLASS B FIRE DOOR ON SELF CLOSER			

**REVISIONS** DATE INITIALS DESCRIPTION 30/08/2021 HB FOR COUNCIL SUBMISSION A

120MIN FIRE STOPPED SERVICE SHAFT

120MIN FIRE RESISTANCE SERVICE SHAFT WAL

OUT OF PROJECT SCOPE





