

PORTABLE FIRE EXTINGUISHERS

FIRE EXTINGUISHERS SHALL BE 4.5kg AND 9kg DRY CHEMICAL POWDER TYPE AND SHALL COMPLY WITH SABS 810.

ALL FIRE EXTINGUISHERS SHALL BE MOUNTED ON WOODEN BACKING BOARD.

FIRE HOSE REELS

FIRE HOSE REELS SHALL CONFORM TO SABS 543.

ALL FIRE HOSE REELS SHALL BE COMPLETE WITH 30 METERS OF HOSE AND SHALL HAVE A MINIMUM FLOW RATE OF 0.5 l/s AT 300 kPa.

FIRE HYDRANTS

FIRE HYDRANTS SHALL COMPLY WITH SABS 543 AND HAVE A MINIMUM FLOW RATE OF 20 l/s AT 300 kPa.

PIPING

NO PIPEWORK TO BE EMBEDDED IN SCREED OR CONCRETE FLOORS.

ALL PIPEWORK SHALL CONFORM TO SABS 62 (STEEL, MEDIUM).

THE DISTANCE BETWEEN PIPE SUPPORT BRACKETS FOR THE HORIZONTAL & VERTICAL PIPEWORK, SHALL NOT EXCEED THE FOLLOWING:

NOMINAL DIAMETER	MAXIMUM SPACING
< 65 MM	4M
> 65MM - <100MM	6.1M

PIPING SHALL BE PROPERLY CLEANED OFF SITE, FROM RUST & LOOSE MILL SCALE WITH A HARD WIRE, & DECREASED PRIOR TO APPLICATION OF A RED OXIDE PRIMER.FINAL COATS OF PAINT TO BE 2 OFF SIGNAL RED, HIGH GLOSS ENAMEL TO SABS 630.

ALL BRASS FITTINGS & FITTINGS TO BE GALVANIZED.

ALL SCREWED JOINTS TO COMPLY WITH BS 21 OR SIMILAR.

SEALING OF JOINTS WILL BE WITH HEMP, STOGG OR PTFE TAPE.

HYDRAULIC PRESSURE TESTING SHALL BE DONE TO 15 BAR FOR A PERIOD OF 24 HOURS.

SYMBOLIC SAFETY SIGNAGE

SYMBOLIC SAFETY SIGNAGE SHALL COMPLY WITH SABS 1186 PART V AND SHALL BE OF THE PHOTOLUMINESCENT TYPE.

SIGNAL SHALL BE INSTALLED SUCH AS TO CLEARLY INDICATE THE POSITIONS OF ALL FIRE EQUIPMENT AND ESCAPE ROUTES.

EACH FLOOR LEVEL SHALL BE NUMBERED IN THE ESCAPE STAIRS.

SIGNAGE ON DRAWING IS AN INDICATION OF SIGNAGE REQUIRED.

FINAL SIGNAGE TO BE DETERMINED ON SITE.

ADDITIONAL SIGNAGE TO BE ADDED SHOULD IT BE REQUESTED BY THE LOCAL AUTHORITIES.

FINAL FIRE SIGNAGE IS TO BE DETERMINED ON SITE WITH THE COUNCIL'S FIRE OFFICER.

FIRE DOORS

FIRE DOORS OF THE RATING AND WIDTH AS INDICATED ON THE DRAWINGS SHALL BE INSTALLED AND SHALL COMPLY WITH SABS 125

ALL FIRE DOORS TO BE FITTED WITH SELF CLOSING MECHANISMS

FIRE ALARM / DETECTION

FIRE DETECTION AND ALARM SYSTEM SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS AND IN ACCORDANCE WITH SANS 1013

ESCAPE DOORS

ALL ESCAPE DOORS SHALL BE COMPLETE WITH FIRE ESCAPE IRONMONGERY.

ESCAPE ROUTES

FIRE ESCAPE ROUTES, INCLUDING CORRIDORS AND STAIRWAYS/SHAFTS HAVE MINIMUM WIDTH OF 1500mm UNLESS SHOWN OTHERWISE.

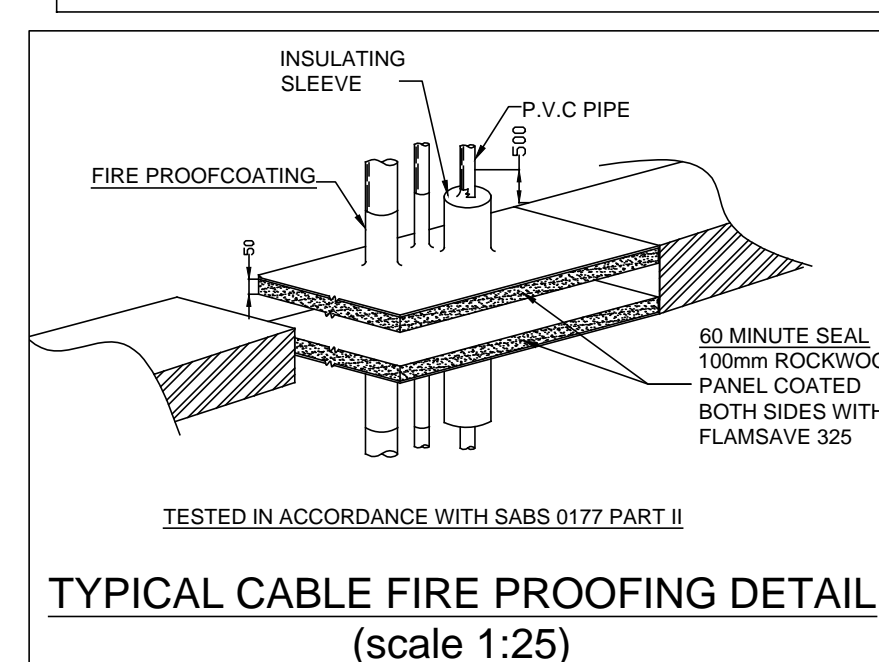
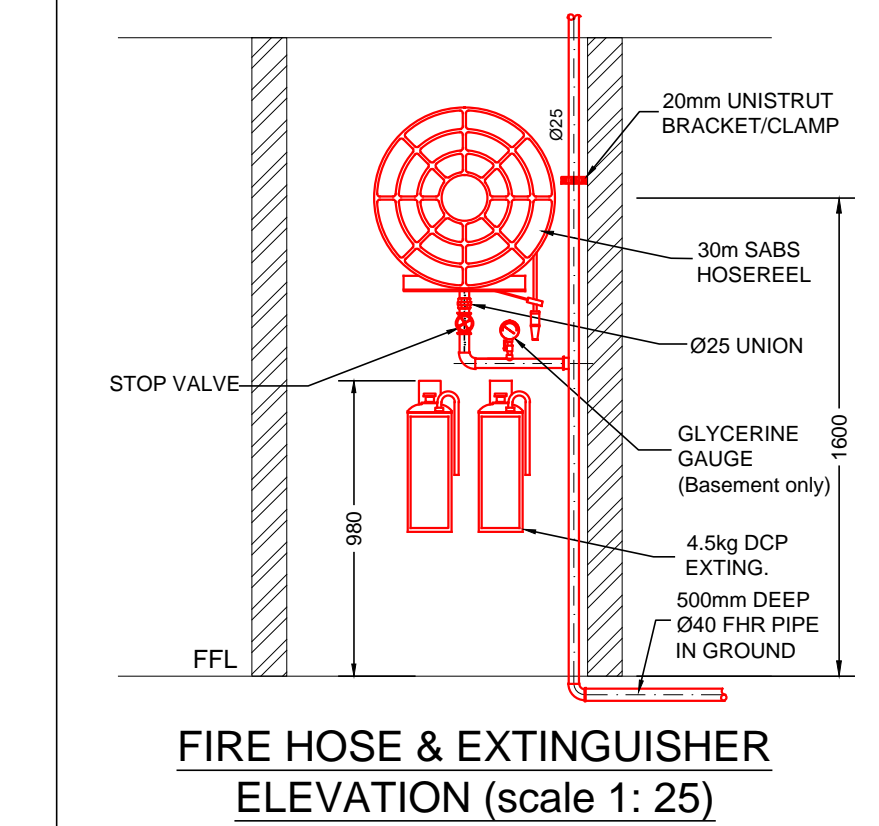
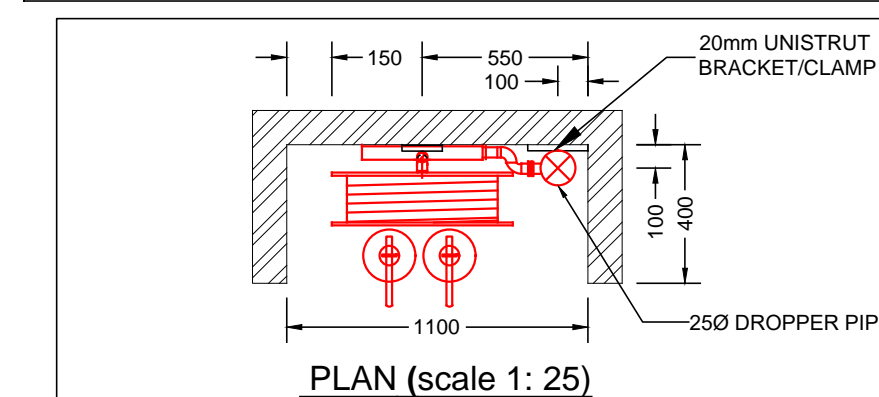
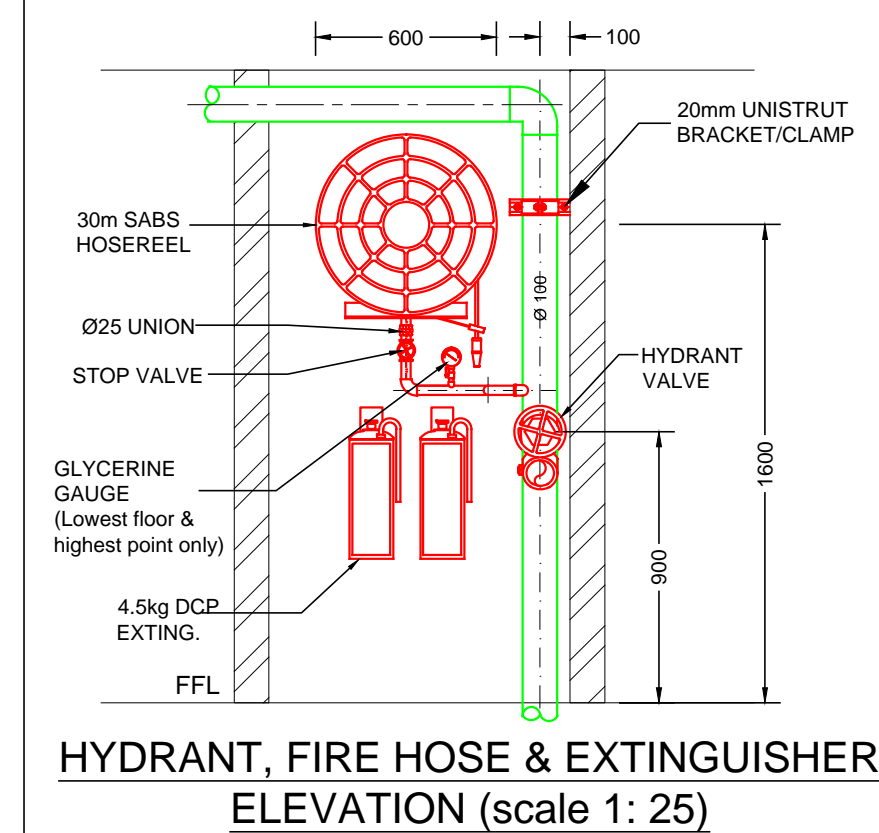
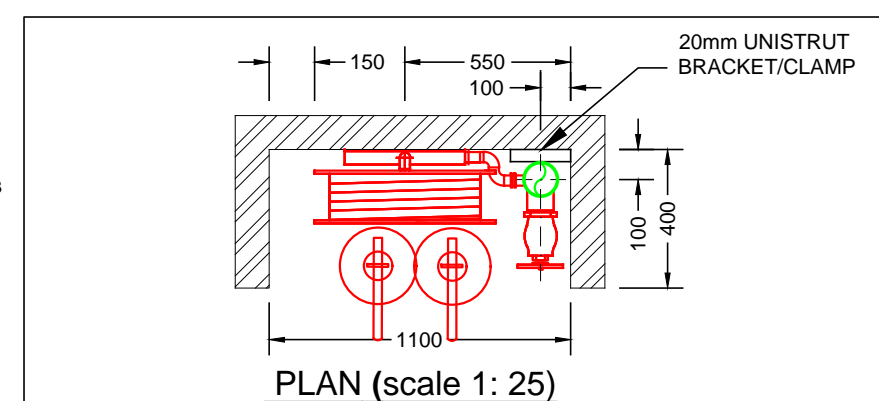
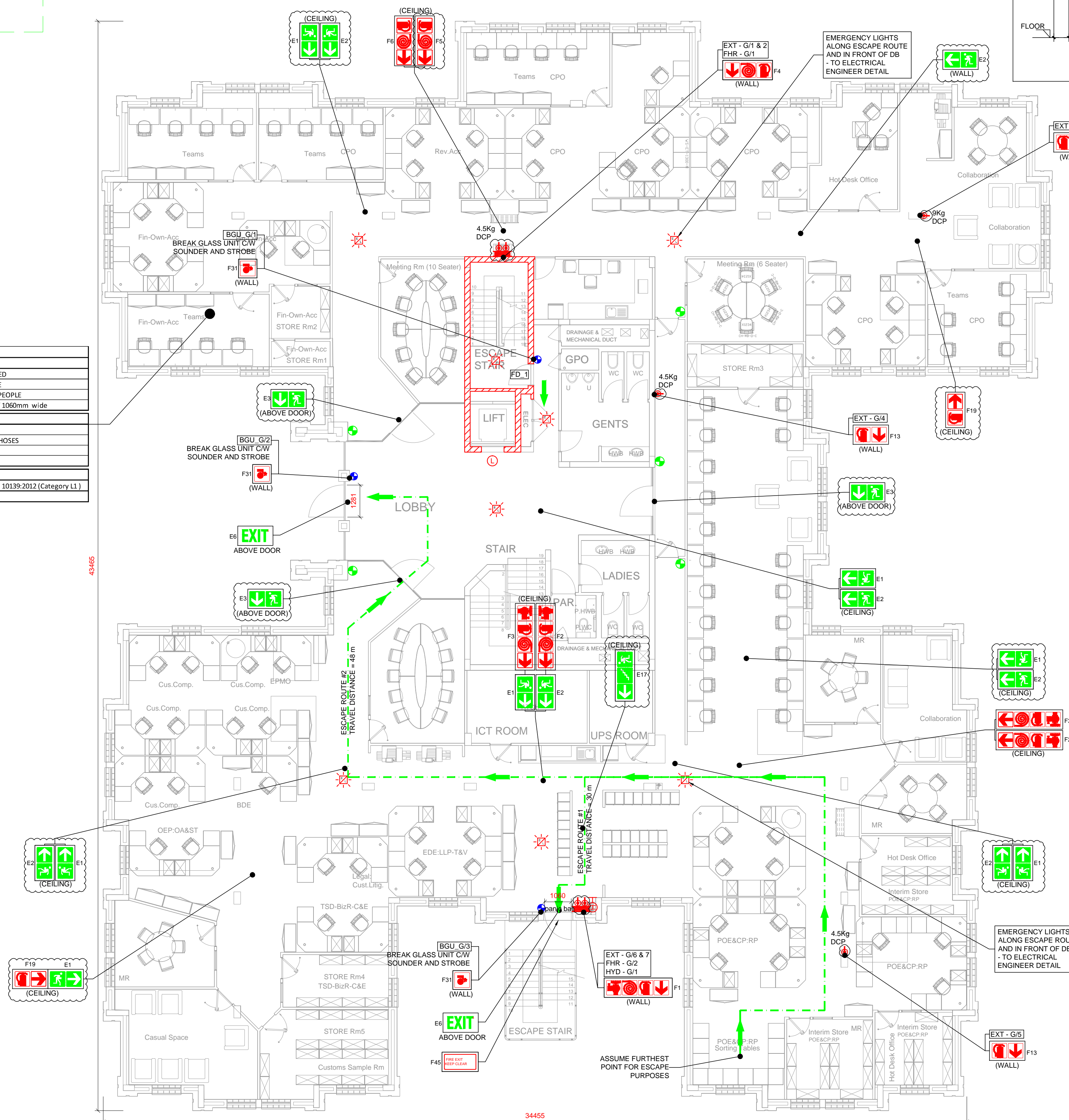
ALL ESCAPE ROUTES SHALL HAVE A FIRE RESISTANCE AS INDICATED ON THE DRAWINGS

ALL ESCAPE ROUTES SHALL HAVE A FIRE RESISTANCE AS INDICATED ON THE DRAWING.











SCOPE OF WORKS CLARIFICATION

- A. FIRE CONTRACTOR
 1. SERVICE AND RE-USE EXISTING FIRE EXTINGUISHERS AND 2-OFF FIRE HOSE REELS.
 2. SUPPLY & INSTALL NEW FIRE FIGHTING EQUIPMENT AS INDICATED ON PLAN.
 3. SUPPLY & INSTALL NEW FIRE SIGNAGE AS INDICATED ON PLAN.
 4. NEW EVACUATION PLANS & PROCEDURES.
- B. ELECTRICAL CONTRACTOR
 1. SUPPLY AND INSTALL EMERGENCY LIGHTING THROUGHOUT THE SPACE AS SHOWN ON PLAN, c/w BATTERY BACKUP.
- C. BUILDER
 1. SUPPLY AND INSTALL PANIC BARS c/w WHITE ON GREEN "PUSH BAR TO OPEN" SIGN
 2. PROVIDING PENETRATIONS THROUGH CEILINGS AND WALLS AND MAKING GOOD THEREOF.
 3. FIXING OF EXTINGUISHING BACKING BOARDS TO WALLS SUPPLIED BY FIRE CONTRACTOR.
 4. SUPPLY & INSTALL NEW FIRE DOORS C/W 25mm STEEL FRAME AND DOOR CLOSER.
 5. FIRE SEALING OF PENETRATIONS THROUGH FIRE WALLS.




FIRE SERVICES LEGEND

	BREAK GLASS UNIT		HOSE REEL
	FIRE HYDRANT		4.5kg DCP FIRE EXTINGUISHER
	DIRECTIONAL ARROW		FIRE ESCAPE
	60MIN FIRE RATED LIFT LANDING DOOR		
	60 MINUTE FIRE RATED WALL		

FIRE DESIGN CONFIRMATION	
DEEMED TO SATISFY WITH SANS 10400	N/A
RATIONAL ASSESSMENT	YES
RATIONAL DESIGN EQUIVALENT OR SUPERIOR TO SANS 10400	N/A

ISSUE DATE:		2021-06-02		REVISION:		A	
X		FOR INFORMATION					
		FOR APPROVAL					
		FOR TENDER					
		FOR CONSTRUCTION					
		AS-BUILT					

REVISIONS				
No	Date	Description	Rev By	Ckd By
A	02/06/2021	ISSUED FOR INFORMATION	S.M	H.R

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PROJECT	LAHAE LA SARS - BLOCK D		
	BROOKLYN		
DWG TITLE	GROUND STOREY - PROPOSED		
	FIRE SERVICES LAYOUT		
DWG NUMBER	21B09-F-504-04	REV.	A
DESIGNED BY	S. MAFUYA	SCALE	1:100 @ A1
CHECKED BY	H.D ROUX	ECSA NUMBER	201070151
APPROVED BY	H.D ROUX	ECSA NUMBER	201070151
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GROUND STOREY - PROPOSED FIRE SERVICES LAYOUT (Scale 1:100)