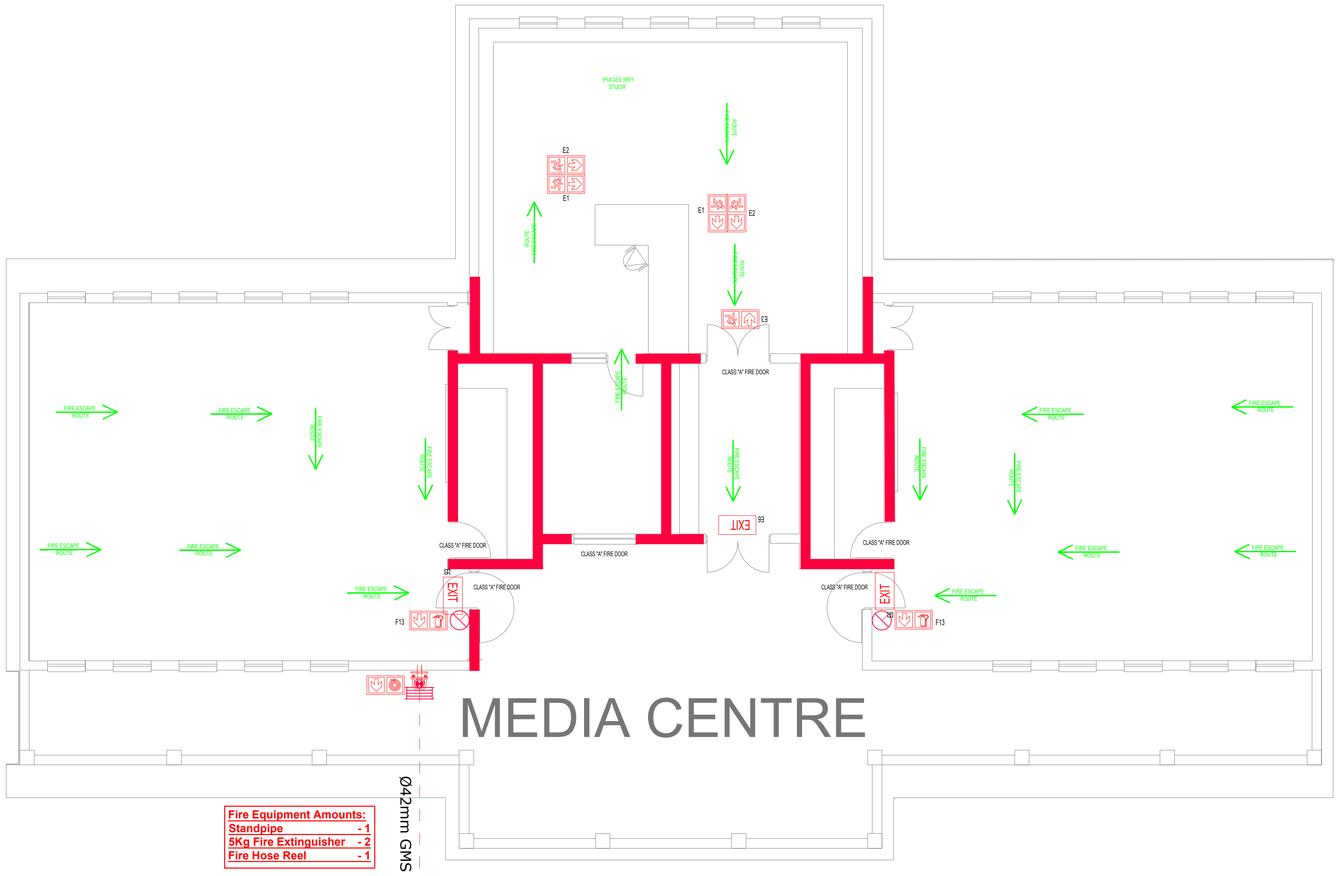
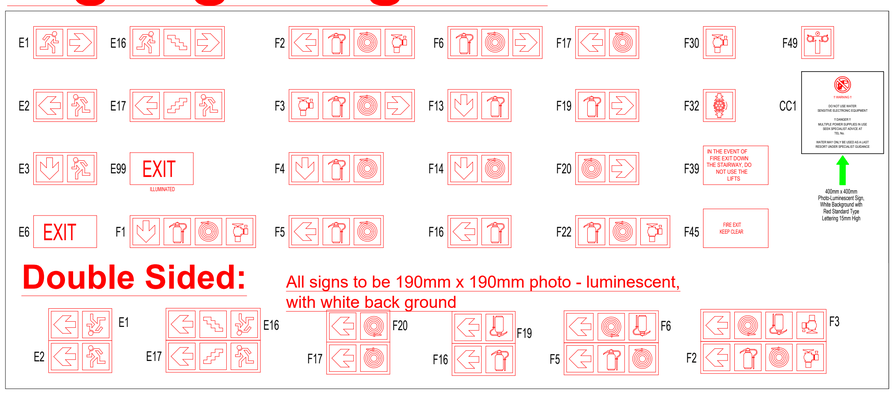


Fire Equipment Amounts:
Standpipe - 1
5Kg Fire Extinguisher - 2
Fire Hose Reel - 1

Media Centre Fire Protection

Scale 1 : 75

Signage Legend:

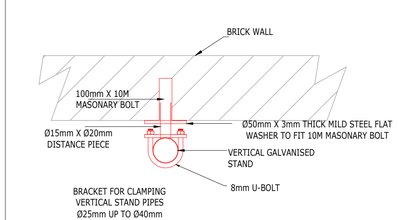


Double Sided:

All signs to be 190mm x 190mm photo - luminescent, with white back ground

LEGEND

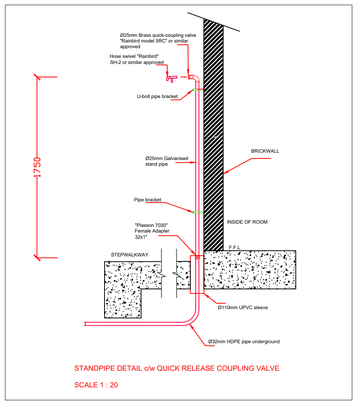
- UNDERGROUND FIRE PIPEWORK
- 30m FIRE HOSE REEL
- FE - 4.5 kg DCP FIRE EXTINGUISHER
- FE - 5 kg CO2 FIRE EXTINGUISHER
- 60min FIRE RATED WALL
- CLASS A - 30min FIRE RATED DOOR



SCALE 1 : 30

GENERAL FIRE NOTES: OCCUPANCY - A3

1. QUICK RELEASE COUPLING FIRE HOSE OUTLET:
QUICK RELEASE COUPLING TO BE INSTALLED TO POSITION AS INDICATED TO BE FED BY Ø32mm HDPE UNDERGROUND PIPE.
2. PORTABLE FIRE EXTINGUISHERS
5 KG DRY CHEMICAL POWDER FIRE EXTINGUISHERS TO BE INSTALLED AS PER PLAN SECURELY TO WALLS OR PURPOSE MADE BOARDS OR FRAMES, ALL FIRE EXTINGUISHERS TO BE INSTALLED IN ACCORDANCE WITH SANS 0105 AND 4.37.
3. FIRE EXITS:
ESCAPE DOORS TO BE IN A PROMINENT POSITION AS INDICATED ON PLAN. TIMBER FRAMED, LEDGED AND BATTENED DOORS TO ALL EXTERNAL PARTS OF BUILDING ESCAPE DOORS MAY ONLY BE FITTED WITH APPROVED LOCKING DEVICES (NO KEYS).
4. SIGNAGE
ALL FIRE FIGHTING EQUIPMENT AND FIRE EXISTS TO BE CLEARLY MARKED WITH PHOTOLUMINESCENCE SYMBOLIC SIGNAGE, AND TO BE SECURELY MOUNTED WITH SUITABLE FIXING METHODS (NO ADHESIVE) TO BE INSTALLED IN ACCORDANCE WITH SANS 1186.
5. ALL WORK TO COMPLY AND TO BE CARRIED OUT TO SANS 10400 OF 2011
6. BUILDING AND PROPERTY TO COMPLY WITH SANS 10400 4.55
7. ALL STRUCTURAL ELEMENTS AND COMPONENTS TO COMPLY TO SANS 10400 4.7
8. FIRE HYDRANT TO COMPLY TO SANS 10400 AND PIPE WORK TO COMPLY TO SANS 10400 PART W.
9. ALL FIRE WATER RETICULATION TO BE TESTED BY THE FIRE DEPARTMENT AND WATER DEPARTMENT
10. INSULATION TO COMPLY TO SANS 0428
11. VENTILATION TO COMPLY TO SANS 4.42
12. FIRE DOORS TO COMPLY WITH SANS 1253
13. FLOOR COVERING TO COMPLY WITH 4.14 AND TO BE CLASS 3 OR LOWER
14. WALL COVERINGS TO COMPLY WITH 4.15 AND TO BE CLASS 3 OR LOWER
15. MIN 1.5m ESCAPE ROUTE



STANDPIPE DETAIL c/w QUICK RELEASE COUPLING VALVE

SCALE 1 : 20

FIRE INSTALLATION NOTES

PORTABLE FIRE EXTINGUISHERS

PORTABLE FIRE EXTINGUISHERS SHALL BE 4.5kg DRY CHEMICAL POWDER TYPE AND SHALL COMPLY TO SANS 810.
ALL FIRE EXTINGUISHERS SHALL BE MOUNTED ON WOODEN BACKING BOARDS.

SYMBOLIC SAFETY SIGNAGE

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

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

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

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

FIRE NOTES

1. ONLY DETAILS RELATING TO THE FIRE SERVICES FORM PART OF THIS CONTRACT
2. THE EXACT POSITION OF THE FIRE PROTECTION EQUIPMENT MUST BE DETERMINED AND CONFIRMED ON SITE.
3. IN CONJUNCTION WITH THE CO ORDINATION DRAWINGS WHERE APPLICABLE, THE CONTRACTOR MUST CHECK ON SITE AND CO ORDINATE WITH OTHER SERVICES AS REQUIRED.
4. ALL SERVICES MUST RUN PARALLEL TO THE BUILDING LINES.
5. PIPEWORK DETAILS AS FOLLOWS:
FIRE MILD STEEL TO SANS 62 NS COATED AND PAINTED SIGNAL RED.
6. ALL FIRE EQUIPMENT TO NBR - SANS 10400.
7. ALL FIRE INDICATION SIGNAGE TO BE PHOTOLUMINESCENT AS PER SABS 1186.
8. ALL EMERGENCY AND ESCAPE ROUTES TO BE PROVIDED WITH ARTIFICIAL LIGHTING AS PER SANS 10400 - 4.30.
9. EMERGENCY LIGHTING TO SANS 10400 - T4.30 TO BE FITTED ON ALL ESCAPE STAIRS AND ESCAPE ROUTES.
10. EXIT SIGNS TO HAVE A 2HR BATTERY BACK UP.

SCOPE OF WORK

1. 8 x SUPPLY AND INSTALL STATUTORY SIGNAGE.
2. 0 x SUPPLY AND INSTALL 4.5kg DRY CHEMICAL POWDER TYPE FIRE EXTINGUISHERS & 2 x 5kg Co^2 FIRE EXTINGUISHER
3. 1 x SUPPLY AND INSTALL FIRE HOSE REELS THAT COMPLY WITH THE REQUIREMENTS OF SANS 543, & INSTALLED IN ACCORDANCE WITH SANS 10105-1 & SANS 10400-W & SHALL BE MAINTAINED IN ACCORDANCE WITH SANS 1475-2.
4. 0 x SUPPLY AND INSTALL ELECTRICALLY POWERED EXIT LIGHT WITH A MINIMUM OF 50 LUX WITH 60 MINUTE INDEPENDANT POWER SUPPLY.

DESIGN SPECIFIC NOTES

1. ALL FIRE SIGNAGE TO BE MECHANICALLY SCREW FIXED.
2. FIRE EXTINGUISHER TO BE MOUNTED AT 980mm AFFL
3. SERVICE STICKERS TO BE VISIBLY DISPLAYED

FOR TENDER

REV	DATE	DESCRIPTION	ISSUED BY	APPR. BY	SIGNATURE
A	22-02-19	ISSUED FOR TENDER	JM	KH	
B	15-07-20	ISSUED FOR INFORMATION	JM	KH	
C	14-06-21	ISSUED FOR TENDER	JM	KH	
D	11-08-21	ISSUED FOR CONSTRUCTION	JM	KH	
E	14-09-21	ISSUED FOR CONSTRUCTION	JM	KH	
F	01-10-21	ISSUED FOR TENDER	JM	KH	

Signage Note:

Any building that has emergency routes or escape routes shall be clearly marked and signposted to indicate the direction of travel in the case of an emergency.

All exits will be marked by an approved sign readily visible from any direction of exit access.

Sign placement will be such that that no point in the exit access is more than 30 meters from the nearest visible sign.

Such signs are to be minimum size of 190 x 190mm and are to be SABS approved photo luminescent signs. Signs to comply to SANS 101186.

Every sign will be located and of such size, distinctive colour and design as to be readily visible. All signage must stand out from the surroundings and be visible.

Externally and internally illuminated signs will be visible in both the normal and emergency lighting mode.

Every sign required will provide evenly illuminated letters having a minimum luminance of 0.21cd/m².

Exit signs will be illuminated by the emergency lighting facilities.

CLIENT:

public works & infrastructure
Department of Public Works & Infrastructure
FREE STATE PROVINCE

CONSULTANT:

GladAfrica

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	NAME	REG. NO.	SIGNATURE	DATE
DRAWN	MANALA JD	M10037		
DESIGNED	TUGWETE BP	200970301		
APPROVED	K.Hlatshwayo	201570273		

PROJECT DESCRIPTION

TROMPSBURG SPECIAL SCHOOL : **SCHOOL SECTION**

DRAWING TITLE

MEDIA CENTRE FIRE PROTECTION

STATUS LEGEND
I = INFORMATION
CV = CONCEPT AND VIABILITY
D = DESIGN DEVELOPMENT
T = TENDER
C = CONSTRUCTION
AB = AS BUILT

SHEET SIZE: A1
SCALE: AS SHOWN

DISCIPLINE	DRAWING NUMBER	STATUS	REVISION
MECHANICAL	92-ME-FP-MC	T	F