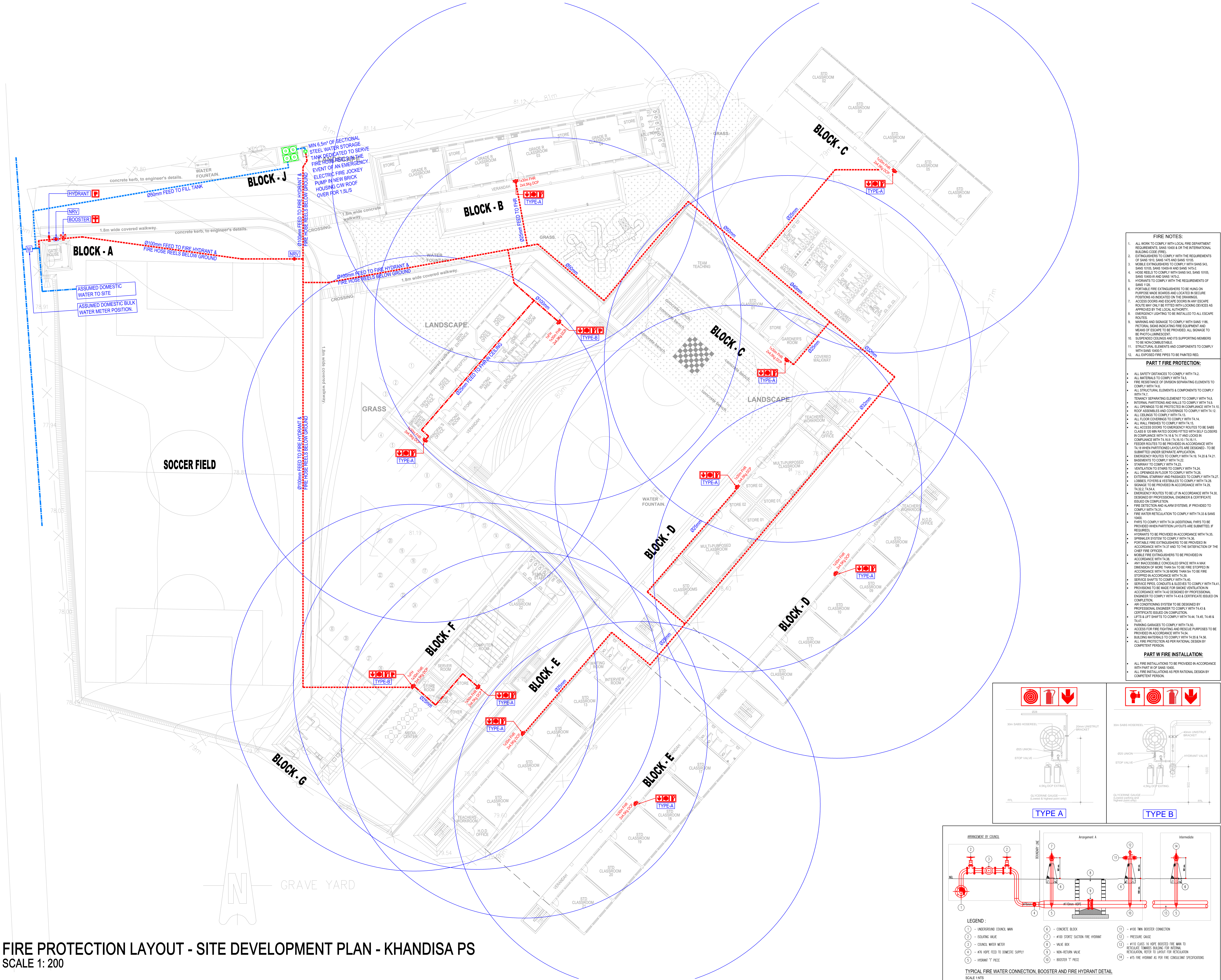


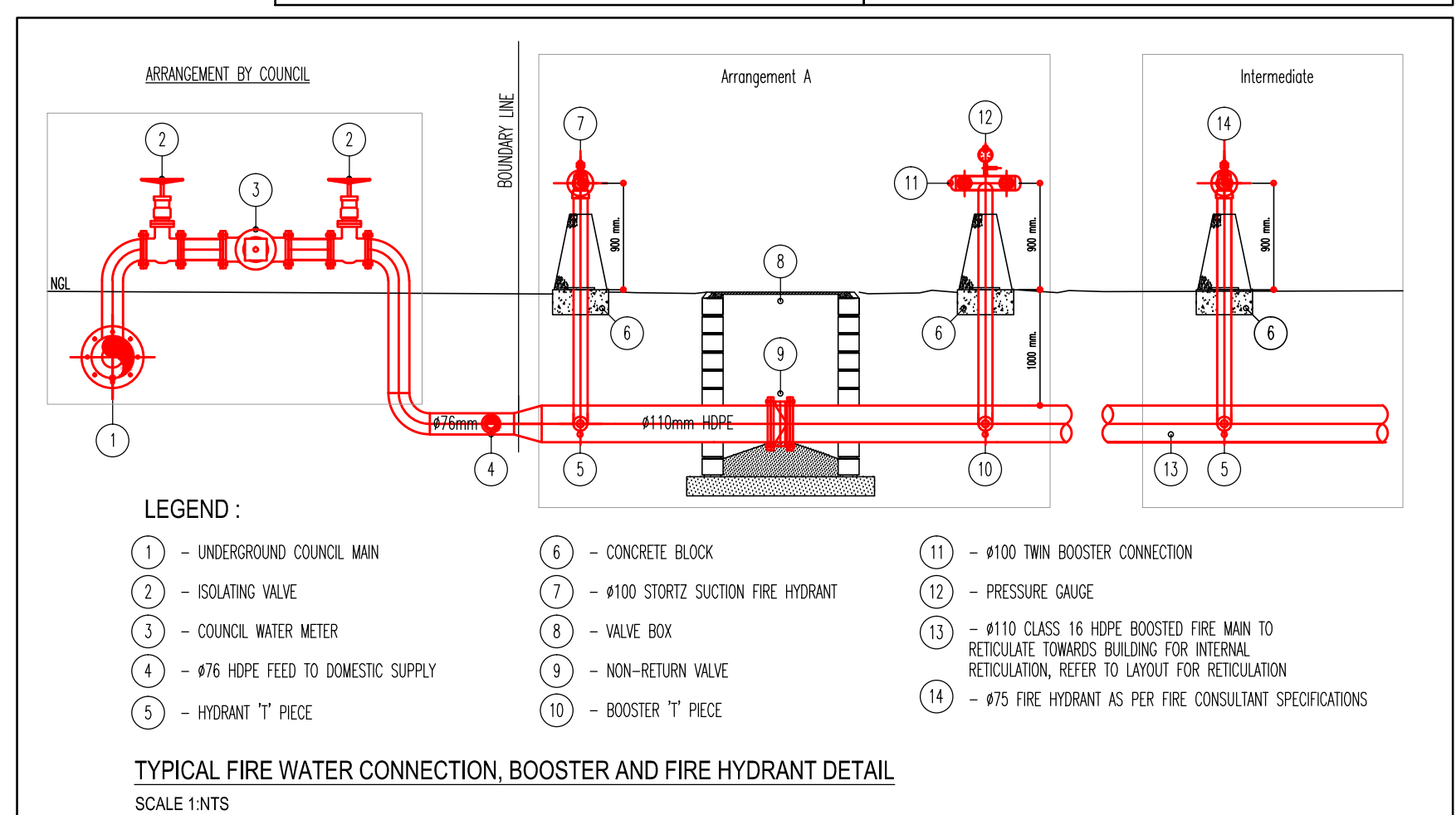
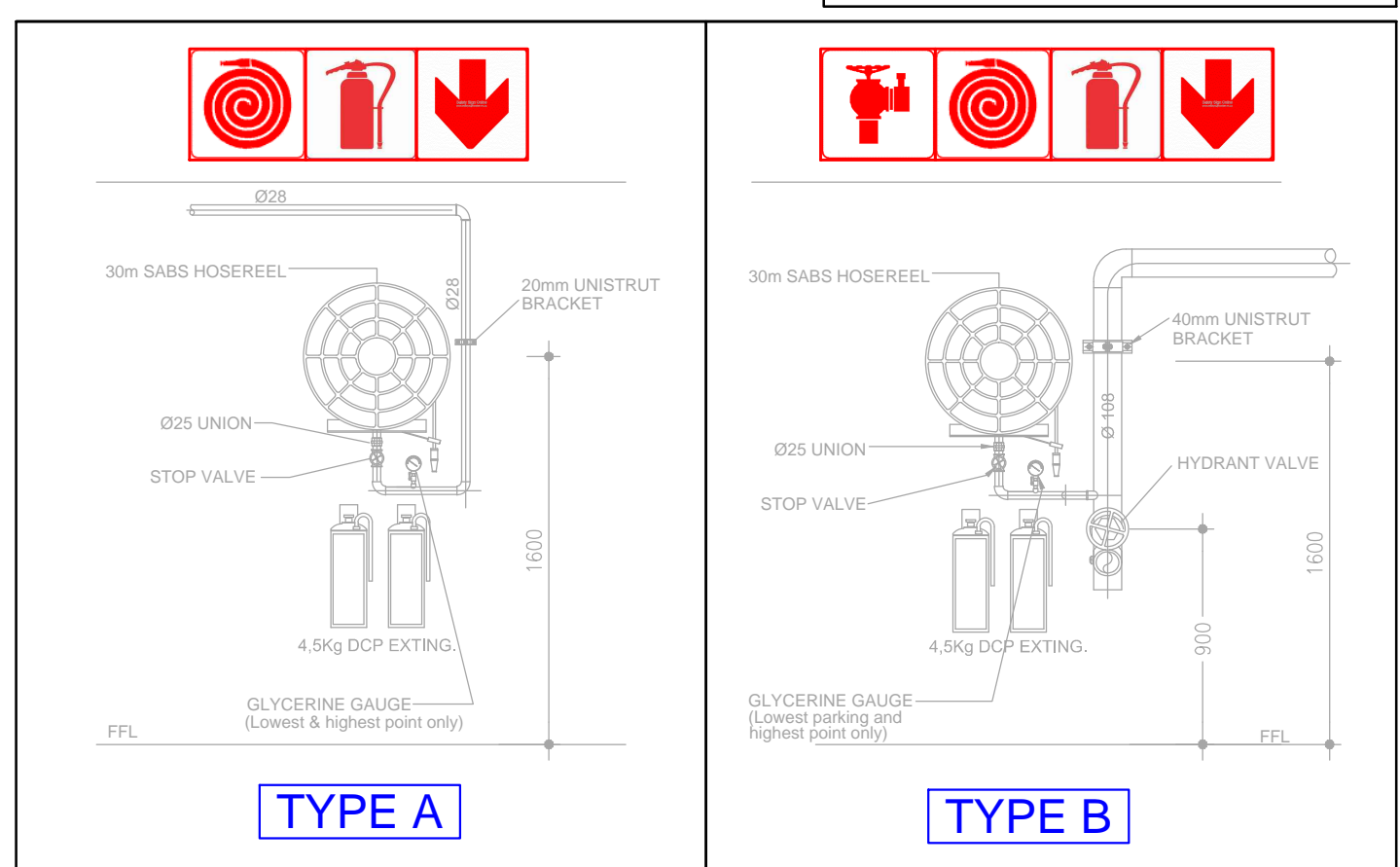
FIRE PROTECTION LAYOUT - SITE DEVELOPMENT PLAN - KHANDISA PS
SCALE 1: 200



- FIRE NOTES:**
1. ALL WORK TO COMPLY WITH LOCAL FIRE DEPARTMENT REQUIREMENTS, SANS 1000 & THE INTERNATIONAL BUILDING CODE (IBC).
 2. EXTINGUISHERS TO COMPLY WITH THE REQUIREMENTS OF SANS 1910, SANS 1475 AND SANS 1010.
 3. MOBILE EXTINGUISHERS TO COMPLY WITH SANS 343, SANS 1010, SANS 1040-W AND SANS 1475-2.
 4. HOSE REELS TO COMPLY WITH SANS 343, SANS 1010, SANS 1040-W AND SANS 1475-2.
 5. HYDRANTS TO COMPLY WITH THE REQUIREMENTS OF SANS 1102.
 6. PORTABLE FIRE EXTINGUISHERS TO BE PLACED ON PURPOSE MARKED BOARDS AND LOCATED IN SECURE POSITIONS AS INDICATED ON THE DRAWINGS.
 7. ACCESS DOORS AND ESCAPE DOORS IN ANY ESCAPE ROUTE MAY ONLY BE FITTED WITH LOCKING DEVICES AS APPROVED BY THE LOCAL AUTHORITY.
 8. EMERGENCY LIGHTING TO BE INSTALLED TO ALL ESCAPE ROUTES.
 9. MARKING AND SIGNAGE TO COMPLY WITH SANS 1196, PICTORIAL SIGNAGE INDICATING FIRE EQUIPMENT AND MEANS OF ESCAPE TO BE PROVIDED. ALL SIGNAGE TO BE PHOTO LUMINESCENT.
 10. SUSPENDED CEILING AND ITS SUPPORTING MEMBERS TO BE NON-COMBUSTIBLE.
 11. STRUCTURAL ELEMENTS AND COMPONENTS TO COMPLY WITH SANS 1040-1.
 12. ALL EXPOSED FIRE PIPES TO BE PAINTED RED.

- PART T FIRE PROTECTION:**
- ALL SAFETY DISTANCES TO COMPLY WITH T4.2.
 - ALL MATERIALS TO COMPLY WITH T4.5.
 - FIRE RESISTANCE OF DIVISION SEPARATING ELEMENTS TO COMPLY WITH T4.6.
 - ALL STRUCTURAL ELEMENTS & COMPONENTS TO COMPLY WITH T4.7.
 - TENANCY SEPARATING ELEMENTS TO COMPLY WITH T4.8.
 - INTERNAL PARTITIONS AND WALLS TO COMPLY WITH T4.9.
 - ALL OPENINGS TO BE PROTECTED IN ACCORDANCE WITH T4.10.
 - ROOF ASSEMBLIES AND COVERINGS TO COMPLY WITH T4.12.
 - ALL CEILING TO COMPLY WITH T4.13.
 - ALL FLOOR COVERINGS TO COMPLY WITH T4.14.
 - ALL WALL FINISHES TO COMPLY WITH T4.15.
 - ALL ACCESS DOORS TO EMERGENCY ROUTES TO BE SABS CLASS B 120 MIN RATED DOORS FITTED WITH SELF CLOSERS IN COMPLIANCE WITH T4.16 & T4.17 AND LOCKS IN COMPLIANCE WITH T4.18, T4.19, T4.20, T4.21, T4.22 & T4.24.
 - EMERGENCY ROUTES TO BE PROVIDED IN ACCORDANCE WITH T4.18 WHEN PARTITIONED LAYOUTS ARE DESIGNED. TO BE SUBMITTED UNDER SEPARATE APPLICATION.
 - EMERGENCY ROUTES TO COMPLY WITH T4.19, T4.20 & T4.21.
 - STAIRWAYS TO COMPLY WITH T4.22.
 - VENTILATION TO STAIRS TO COMPLY WITH T4.24.
 - ALL OPENINGS IN DOOR TO COMPLY WITH T4.26.
 - EXTERNAL STAIRWAYS AND PASSAGES TO COMPLY WITH T4.27.
 - LOBBIES, FOYERS & VESTIBULES TO COMPLY WITH T4.28.
 - SIGNAGE TO BE PROVIDED IN ACCORDANCE WITH T4.29, T4.30 & T4.34.
 - EMERGENCY ROUTES TO BE LIT IN ACCORDANCE WITH T4.30, DESIGNED BY PROFESSIONAL ENGINEER & CERTIFICATE ISSUED ON COMPLETION.
 - FIRE DETECTION AND ALARM SYSTEMS, IF PROVIDED TO COMPLY WITH T4.31.
 - FIRE WATER RETICULATION TO COMPLY WITH T4.33 & SANS 1040.
 - PIPES TO COMPLY WITH T4.34 ADDITIONAL PIPES TO BE PROVIDED WHEN VERTICAL LAYOUTS ARE SUBMITTED, IF REQUIRED.
 - HYDRANTS TO BE PROVIDED IN ACCORDANCE WITH T4.35.
 - SPRINKLER SYSTEM TO COMPLY WITH T4.36.
 - PORTABLE FIRE EXTINGUISHERS TO BE PROVIDED IN ACCORDANCE WITH T4.37 AND TO THE SATISFACTION OF THE CHIEF FIRE OFFICER.
 - MOBILE FIRE EXTINGUISHERS TO BE PROVIDED IN ACCORDANCE WITH T4.38.
 - ANY INACCESSIBLE CONCEALED SPACE WITH A MAX DIMENSION OF MORE THAN 500mm TO BE FIRE STOPPED IN ACCORDANCE WITH T4.39 MORE THAN 500mm TO BE FIRE STOPPED IN ACCORDANCE WITH T4.39.
 - PROVIDING TUBE MADE FOR SMOKE VENTILATION IN ACCORDANCE WITH T4.42 DESIGNED BY PROFESSIONAL ENGINEER TO COMPLY WITH T4.43 & CERTIFICATE ISSUED ON COMPLETION.
 - AIR CONDITIONING SYSTEM TO BE DESIGNED BY PROFESSIONAL ENGINEER TO COMPLY WITH T4.43 & CERTIFICATE ISSUED ON COMPLETION.
 - LIFTS & LIFT SHAFTS TO COMPLY WITH T4.44, T4.45, T4.46 & T4.47.
 - PARKING GARAGES TO COMPLY WITH T4.50.
 - ACCESS FOR FIRE FIGHTING AND RESCUE PURPOSES TO BE PROVIDED IN ACCORDANCE WITH T4.54.
 - BUILDING MATERIALS TO COMPLY WITH T4.55 & T4.56.
 - ALL FIRE PROTECTION AS PER RATIONAL DESIGN BY COMPETENT PERSON.

- PART W FIRE INSTALLATION:**
- ALL FIRE INSTALLATIONS TO BE PROVIDED IN ACCORDANCE WITH PART W OF SANS 1040.
 - ALL FIRE INSTALLATIONS AS PER RATIONAL DESIGN BY COMPETENT PERSON.



LOCAL AUTHORITY STAMPS

NOTES & LEGENDS

PHOTOLUMINESCENT SIGN TO WALL LOCATION OF FIRE HYDRANT.	DCP FIRE EXTINGUISHER
PHOTOLUMINESCENT SIGN TO WALL LOCATION OF FIRE EXTINGUISHER.	CO ₂ FIRE EXTINGUISHER
PHOTOLUMINESCENT SIGN TO WALL LOCATION OF FIRE FIGHTING EQUIPMENT ARROW.	DCP FIRE EXTINGUISHER 25kg PORTABLE
PHOTOLUMINESCENT SIGN TO WALL LOCATION OF FIRE HOSE REEL.	SMOKE DETECTOR
PHOTOLUMINESCENT SIGN TO WALL GREEN ESCAPE ROUTE RUNNING MAN.	550 FIRE HYDRANT
EMERGENCY DOOR RELEASE BREAK GLASS UNIT.	FIRE ALARM CONTROL PANEL
PHOTOLUMINESCENT SIGN TO WALL GREEN ESCAPE ROUTE ARROW.	SMOKE CONTROL PANEL
ILLUMINATED EXIT SIGN MOUNTED ABOVE EXIT DOOR CONNECTED TO EMERGENCY POWER	WALL MOUNTED SOUNDER WITH BUILT-IN STROBE LIGHT
PHOTOLUMINESCENT SIGN TO WALL REFUGES AREA MIN 1200x700 FLOOR AREA REQUIRED.	PLACE OF REFUGE
PHOTOLUMINESCENT SIGN TO WALL LOCATION BREAK GLASS FIRE ALARM.	OVER RIDE LINKED TO DETECTION SYSTEM
ESCAPE DIRECTIONS	SPRINKLER HEAD
30m SABS HOSE REEL	SAND BUCKET
10m FIRE HOSE REEL	80 MINUTE FIRE RATED CONSTRUCTION
SMOKE DETECTOR	60 MINUTE FIRE RATED CONSTRUCTION
HEAT DETECTOR	120 MINUTE FIRE RATED CONSTRUCTION
MANUAL CALL POINT	30 MINUTE CEILING SEPARATION (ON CEILING VOID)
WALL MOUNTED SOUNDER WITH BUILT-IN STROBE LIGHT	FIRE WATER PIPING
PLACE OF REFUGE	120MIN FIRE RATED CLASS B SELF-CLOSING FIRE DOOR
SPRINKLER HEAD	
SAND BUCKET	

CONSULTANT

REDLINE CONSULTING ENGINEERS

PROJECT

ADDITIONS AND ALTERATIONS TO KHANDISA PRIMARY SCHOOL IN DLANGEZWA

DRAWING TITLE

FIRE PROTECTION LAYOUT

PROJECT NUMBER

JR2034

DRAWING NUMBER

01

REVISION NUMBER

A

DESIGNER

M. N. N. N.

DATE

2023/11/18

COUNCIL APPROVAL