

Notes:

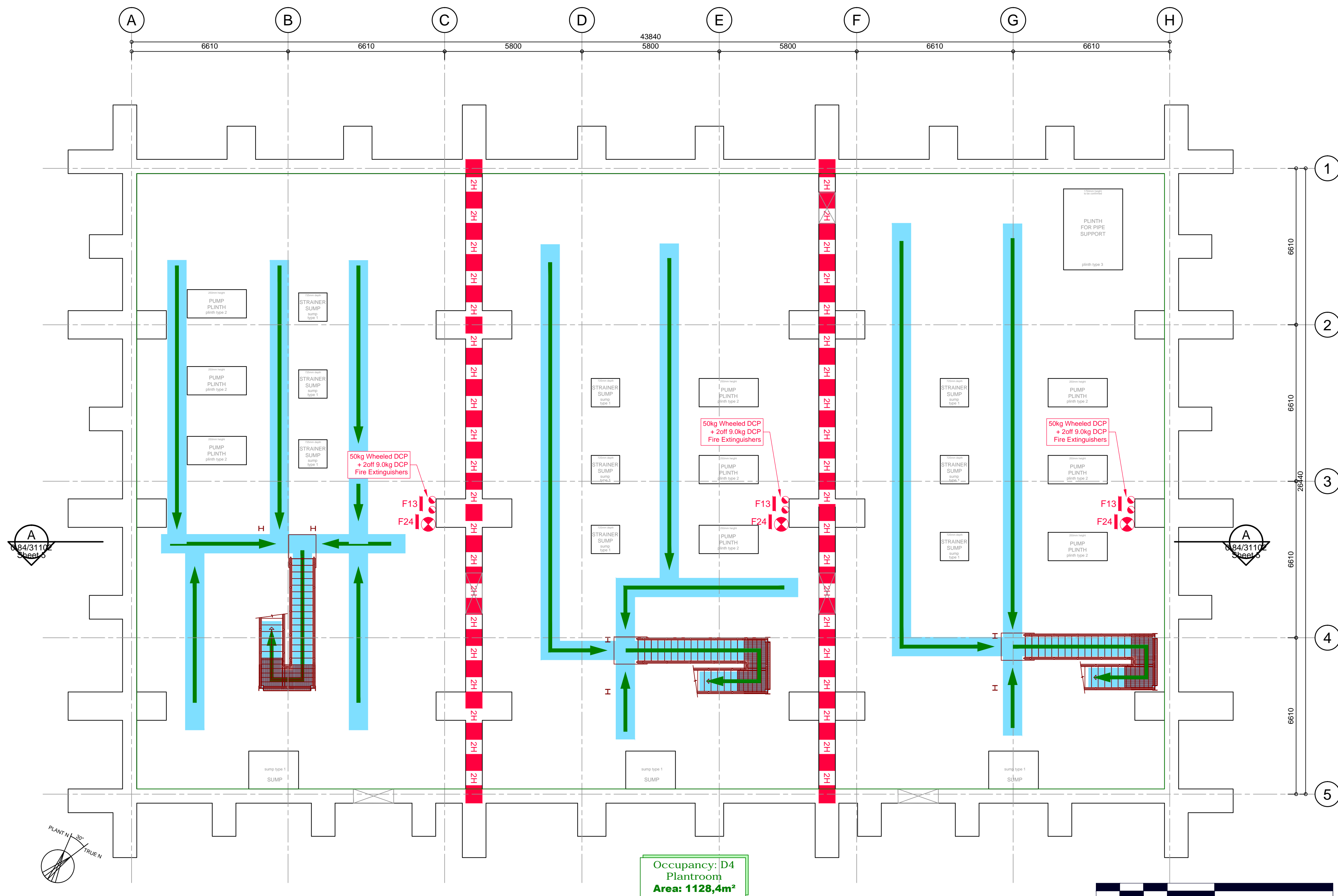
1. All photoluminescent fire and directional signage must comply with SABS 1186 - 1 & 5 photoluminescent and to be installed in accordance with SABS 0400 - 1990.
2. All photoluminescent fire and directional signs are to have a matt finish to the face of the signs and are to be framed with mitred corners and concealed elbow joints. Frame to be manufactured from Aluminium
3. All wall-mounted fire and directional signage to be concealed screwed to brickwork. No double-sided tape
4. All suspended fire and directional signage to be hung on stainless steel wire
5. Signage external to building to be ABS in non - photoluminescent
6. All signs to be 290x290 single pictogram size combinations.

Legend:

F13 = 3 of



F24 = 3off



Occupancy: D4
Plantroom
Area: 1128,4m²

PLAN VIEW
Scale 1 : 100

(m)

FIRE NOTES

Fire extinguishers to be hung on purpose made boards and located in secure positions as indicated on plan.

Access to every exit and necessary ways of exit shall be indicated by signs in accordance with SABS 1186 to be displayed in prominent positions to facilitate egress.

(Photo luminous type)

Free and unimpeded access to the Fire escape must be provided during working hours.

Door opening access to the Fire escape must not be locked whilst the premises are occupied. A security device controller able from the inside only, as approved by the Fire Department may, however, be provided.

Each fire escape door to be clearly identified from the exterior of the building.

SABS 0400 REQUIREMENTS:

OCCUPANCY CLASSIFICATIONS - D4

TT2 SAFETY DISTANCES - COMPLY

TT4 DIVISION AREA - COMPLY

TT15 WALL FINISHES - COMPLY
TT16 PROVISION OF ESCAPE ROUTES - COMPLY
As indicated on the fire plans
TT17 EXIT DOORS - COMPLY
At least two escape doors are provided for all areas with greater than 25 persons

Occupancy	No fixed automatic fire extinguishment installation	With fixed automatic fire extinguishment installation	
		1 storey	2 storeys and over
D4	2500	No limit	5000

The division is in accordance with Eskom requirement

TT19 EMERGENCY ROUTES - RATIONAL
Escape to outside is possible within 45 metres in all cases

TT20 DIMENSIONS OF COMPONENTS OF ESCAPE ROUTES - COMPLY

TT21 WIDTH OF ESCAPE ROUTES - COMPLY

Conclusion
The building has a total floor area of 1128.4m²

**TT5 FIRE RESISTANCE OF OCCUPANCY AND DIVISION
SEPARATING ELEMENTS - COMPLY**

(a) A1, A2, A3, A4, C1, C2
(b) A5
(c) B1, D1
(d) B3, D2, D3, **D4**, F1, F2, F3, J2, J3
(e) E1, E2, E3
(f) H1, H2, H3
(g) J1

TABLE 5 - STABILITY OF STRUCTURAL ELEMENTS OR COMPONENTS

1	2	3	4	5	6	7
Occupancy	Class of occupancy	Stability, minutes				
		Single storey building	Double storey building	3 - 10 storey building	11 storeys and over	Basement in an building
Plant Room	D4	30	30	60	90	120

TT26 OPENINGS IN FLOORS - COMPLY
Double Volume Building. The building is fire compartmented Up To High Level (Ground Floor).
Compartmented areas as indicated on fire plan

TT27 EXTERNAL STAIRWAYS AND PASSAGES - COMPLY
TT29 MARKINGS AND SIGNPOSTING - COMPLY
TT30 LIGHTING OF FEEDER AND EMERGENCY
ROUTES - COMPLY

TT31 FIRE DETECTION AND ALARM SYSTEMS - COMPLY
The building is provided with a full detection system.
The detection system will be interfaced with the site network
detection system. See rational document

TT33 WATER RETICULATION FOR FIRE FIGHTING
PURPOSES - No Available/Usable Water Supply - Fire Hose
Reel To Be Substituted With Additional Fire Extinguishers

TT34 HOSE REELS - No Available/Usable Water Supply - Fire Hose
Reel To Be Substituted With Additional Fire Extinguishers

TT35 HYDRANTS - NO HYDRANTS TO BE PROVIDED.
Hydrants To Be Substituted With 50kg Wheeled Powder
Fire Extinguishers.

TT36 No Sprinklers Required.

TT37 PORTABLE FIRE EXTINGUISHERS - RATIONAL

As indicated on the fire plans.

6 x 9.0kg DCP Fire Extinguishers
3 x 50kg DCP Wheeled Fire Extinguishers





TT42 SMOKE CONTROL - RATIONAL








TT55 ACCESS TO BUILDINGS FOR FIRE-FIGHTING AND RESCUE PURPOSES - COMPLY

TT12 ROOF ASSEMBLIES AND COVERINGS -COMPLY
Non combustible roof insulation will be used A/A1/VH/1

TT14 FLOOR COVERINGS - COMPLY

Legend:

-  - Escape Route
-  - 2 Hour Fire Wall
-  - 50kg Wheeled DCP Fire Extinguishers (3off)
-  - 9.0 kg DCP Fire Extinguisher (6 off)

D02	01	05/03/14	LATEST ARCHITECTURE OVERLAID		JL	PS	DvdM	-	-	-	-
D01	00	05/04/12	ISSUED FOR CONSTRUCTION		JL	JJ	JJ	-	-	-	-
D.O.	REV	DATE	"REVISION"		REV BY	CHRD BY	AUTH BY	KKS APP	REFERENCE DRAWINGS		
DWG REGISTR			AUTHORISED FOR ESSOM BY	DATE	<div>MEDUPI POWER STATION</div> <div>RAW WATER RESERVOIR PUMP STATION</div> <div>PLAN LEVEL 902.000</div> <div>FIRE PROTECTION LAYOUT</div> <div>08038-FP-RWRPSS-902</div>						
DESIGN APPROVED	DvdM		M. ANDRE	05/04/12							
KKS APP											
DO AUTH	DvdM										
CHRD BY	PS										
DRAWN BY	JL										
SCALE	1:100						0.84/31102		SHEET	REV	
									3	1	

ISSUED FOR
CONSTRUCTION