

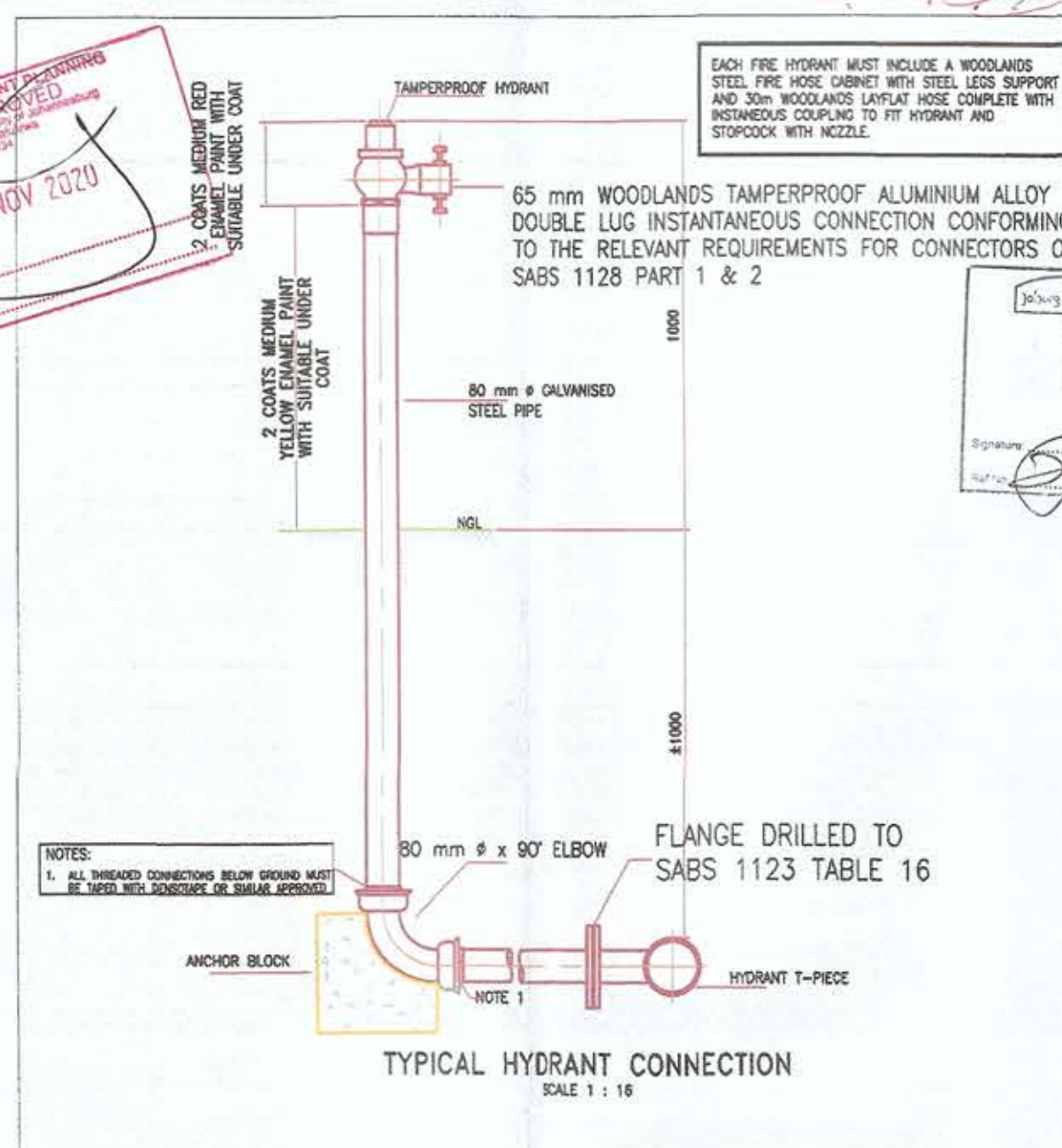
- FIRE PROTECTION NOTES**
- SITE AT 54 KLEIN STREET, HILLBROW, GAUTENG, SOUTH AFRICA.
 - ALL WORK TO COMPLY WITH ACT 103 OF 1977 AND SANS 10400 PART 1-2011.
 - OCCUPANCY CLASSIFICATION: A3 AS PER SANS 10400-A CLAUSE 20.
 - DCP FIRE EXTINGUISHERS TO BE INSTALLED IN ACCORDANCE WITH SANS 10400-T.
 - 1 X 30M HOSE REELS, PER 500 M2 OR PART THEREOF, TO BE INSTALLED IN ACCORDANCE WITH SANS 543 AND 4.34.
 - HYDRANTS AND BOOSTER TO BE INSTALLED ON SITE IN ACCORDANCE WITH SANS 1128: PART 1 AND CLAUSE 4.35.
 - FIRE PIPING SERVICES ARE NEW.
 - WATER SUPPLY TO THE FIRE FIGHTING EQUIPMENT TO COMPLY WITH SANS 10400-2011 PART 1 AND WITH MUNICIPAL WATER BY-LAWS.
 - DOORS IN ESCAPE ROUTES MAY ONLY BE FITTED WITH APPROVED LOCKING DEVICES AND SHALL COMPLY WITH CAUSE 4.16, 4.17, 4.19.
 - PHOTOLUMINESCENT ESCAPE SIGNS TO BE PROVIDED AND TO COMPLY WITH SANS 1188 PART 1 AND 5, AS PER 4.29. AND TO BE HUNG FROM ROOF, WHERE THEY IS NO ROOF IT SHALL BE FITTED ON THE WALL.
 - PHOTOLUMINESCENT SYMBOLIC SIGNS, INDICATING FIRE EQUIPMENT, TO BE PROVIDED AND TO COMPLY WITH SANS 1188 PART 1 AND 5, AS PER SANS 4.32.
 - SUSPENDED CEILINGS AND ITS SUPPORTING MEMBERS, SHALL BE NON-COMBUSTIBLE MATERIALS.
 - STRUCTURAL ELEMENTS AND COMPONENTS SHALL HAVE A MINIMUM STABILITY RATING OF 90 MIN.
 - FIRE WALLS WILL EXTEND TO THE UNDERSIDE OF THE ROOF COVERING AND NO COMBUSTIBLE ROOF ELEMENT WILL PENETRATE SUCH WALL.
 - INSULATION MATERIALS TO COMPLY WITH SANS 428: 2006.
 - NO DANGEROUS GOODS WILL BE STORED IN EXCESS OF THE EXEMPT QUANTITIES AS PER SANS 10263-0 ANNEX A.
 - MINIMUM WIDTH OF FIRE ESCAPE TO BE 1500 mm.
 - SANS 82 MEDIUM, BLACK STEEL TO BE USED. PAINTED SIGNAL RED (A10).
 - PIPING AND FIRE FIGHTING EQUIPMENT TO BE PAINTED SIGNAL RED (A10) IN ACCORDANCE WITH SANS 10140.
 - HYDRANT AND BOOSTER CONNECTION TO BE INSTALLED AT PROPERTY BOUNDARY.
 - POSITION OF PIPING TO BE CONFIRMED ON SITE.
 - IF PRESSURE IS NOT ADEQUATE ON THE DAY OF INSPECTION THAN A PUMP AND TANK WILL BE SUPPLIED.

- Allow 450 x 450 Georgian wire glass on steel frame - non operable
- con laque windows non fire rated

TRAINING CENTER GROUND FLOOR - FIRE DESIGN SUMMARY SCHEDULE	
OCCUPANCY CLASSIFICATION	G1-OFFICES
FLOOR AREA	178 m ²
POPULATION	30
NUMBER OF ESCAPE ROUTES	2
TYPE OF FIRE EQUIPMENT INSTALLED	FIRE HOSE REELS AND FIRE EXTINGUISHERS
NUMBER OF FIRE HYDRANTS	1 WITHIN SITE (1 per 1000 m ²)
NUMBER OF FIRE HOSE REELS	1 (1 per 500 m ²)
NUMBER OF FIRE EXTINGUISHERS	1 CFP 4.5 KG DCP (1 per 200 m ²)
FIRE DETECTION	3 DETECTION (L1 ON ROOF LEVEL)
FIRE STABILITY	90 MIN
SPRINKLER PROTECTED	NO, AREA DIVIDED <500 m ²
SMOKE CONTROL	NO, AREA DIVIDED <500 m ²
EMERGENCY LIGHTING	IN EMERGENCY ROUTE

INTERNAL LAYOUT ONLY

City Of Johannesburg
Emergency Management Services
THIS DOCUMENT HAS NO OBJECTION TO THIS LAYOUT BEING APPROVED BY BUILDING CONTROL
2018-04-05



- General Notes:**
- This drawing is to be read in conjunction with drawings issued by the consultants of various disciplines, in particular: structural, electrical, mechanical and civil services engineers.
 - Any discrepancies between drawings layouts are to be brought to the attention of the architects prior to any work being put in hand.
 - Figured dimensions are to be taken in preference to scaled measurements and large scale details drawings will supersede small scale general layout drawings.
 - Contractors and subcontractors to check all dimensions and levels on site prior to any work being put in hand.
 - All work on site is to conform to good building practice and all relevant national codes and standards.
 - The master held at 1 World Consultants bears the original signature of approval.

No.	Date	Revisions	Drawn
A	08/10/2018	ISSUED FOR TENDER	AS
B	15/02/2019	UPDATED TO NEW LAYOUTS	AM
C	04/04/2019	UPDATED TO NEW LAYOUTS	AM

Dwg No.	Description
1704_A_1102_REV00	Floor Plans

FIRE SYMBOLS	
[Symbol]	E1
[Symbol]	E2
[Symbol]	E3
[Symbol]	E4
[Symbol]	E5
[Symbol]	E6
[Symbol]	E7
[Symbol]	E8
[Symbol]	E9
[Symbol]	E10
[Symbol]	E11
[Symbol]	E12
[Symbol]	E13
[Symbol]	E14
[Symbol]	E15
[Symbol]	E16
[Symbol]	E17
[Symbol]	E18

FIRE LEGEND	
[Symbol]	1.5m HOSE
[Symbol]	20m PIPED FIRE HOSE REEL
[Symbol]	45kg ABC FIRE EXTINGUISHER
[Symbol]	BOOSTER CONNECTION
[Symbol]	MANUAL CALL POINT
[Symbol]	SMOKE DETECTOR
[Symbol]	UNDERGROUND FIRE PIPING BY CIVIL ENGINEER
[Symbol]	FIRE HOSE REEL SUPPLY (20-30M)
[Symbol]	EMERGENCY EXIT LIGHT
[Symbol]	EMERGENCY EXIT LIGHT
[Symbol]	150VOLT FIRE ALARM BELL
[Symbol]	CLAMP 8 12mm SELF CLOSING FIRE DOOR
[Symbol]	CLAMP 8 12mm SELF CLOSING FIRE DOOR
[Symbol]	200W FIRE RATED LIGHT FIXTURE WITH GLASS BEG. NOT TO BE USED
[Symbol]	A 60-sec FIRE WINDOW
[Symbol]	SMOKE FREE EXTRACTOR
[Symbol]	SMOKE FREE EXTRACTOR
[Symbol]	SMOKE FREE EXTRACTOR

Project Name:
TRAINING CENTER
ERF RE/3064 JOHANNESBURG

Project Description:
FIRE INSTALLATION

Project Services:
MECHANICAL

Client:

BAYETE CAPITAL

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Drawing Issued:
FOR COUNCIL APPROVAL

Consultant Approval:

Name:
MS BAKSH

Reg No:

Signature:

Date:

Drawing Detail:

TRAINING CENTER-SITE PLAN AND GROUND FLOOR FIRE DESIGN LAYOUT

Drawing Number:

1841-FIRE-LYT-01-01

Date:

04/04/2019

Scale:

[1:50]

Paper Size:

A1

Drawn:

AS

Checked:

MSB