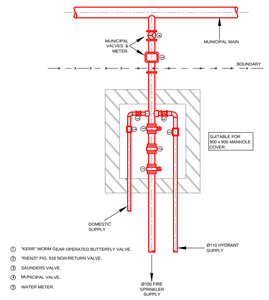
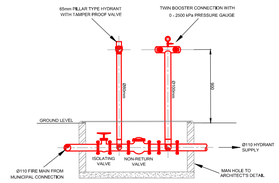
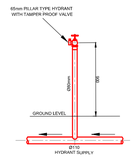


DETAIL A:
MUNICIPAL MAIN WATER CONNECTION
SPRINKLER, HYDRANT & DOMESTIC
N.T.S



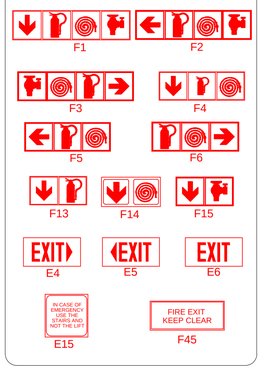
DETAIL B:
BOOSTER CONNECTION IN A MANHOLE
N.T.S



DETAIL C:
TYPICAL Ø65mm RIGHT ANGLED
FIRE HYDRANT
N.T.S

FIRE SIGNAGE

PHOTOLUMINESCENT



LEGEND

- Ø 110 HDPE Pipe
- HOSE REEL (HR)
- 4.5kg DRY CHEMICAL POWDER FIRE EXTINGUISHER (FE)
- 5kg CO_2 GAS FIRE EXTINGUISHER (FE)
- FIRE HYDRANT (FH)
- TWIN BOOSTER CONNECTION
- ESCAPE ROUTE DIRECTION

NOTES:

General

1. The Contractor is responsible for correct field dimensions, clearances, heights, quantities, fabrication processes, techniques of construction and co-ordination of his work with that all other trades and is to provide all devices necessary for safe and satisfactory operation.
2. The Contractor must adhere to the co-ordination principal shown on the drawing and must inspect all the architectural and plumbing drawings and other services drawings and ensure that in fixing his work it will not obstruct the fixing or future maintenance of other services.
3. All work to comply with Act 103 of 1977 and SANS 10400 - 2011.

Occupancy Classification

4. Occupancy Classification: J2.
5. Fire walls between residential units will extend to the underside of roof covering.
6. Structural elements and components shall have a minimum stability rating of 60 minutes.
7. Suspended ceilings and its supporting members to be of non-combustible material.

Water Supply

8. Water supply to the fire fighting equipment to comply with SANS 10400: Part W (9000 litres water storage tank).

Fire Equipment

9. All Fire Hydrants shall comply to SANS 1128 and bear the SABS mark of approval.
10. Fire Hydrant valves shall be of the Ø 65mm female coupling type, complete with handwheel and instantaneous coupling outlet.
11. 1 x Fire Hose Reel per 500m² or part thereof, to be installed in accordance with SANS 543.
12. All fire hose reels shall be 30 metres length, complete with Ø7mm aluminium discharge nozzle, handwheel isolating supply valve, rail guide to assist hose reel deployment from reel and union coupling in the Ø25mm tee pipe.
13. 1 x 4.5kg Fire Extinguisher per 400m² or part thereof, to be installed in accordance with SANS 10105.
14. All portable fire extinguishers and installation to be in accordance with SANS 10105-1:2005, SANS 1910:2006 and SANS 7522:2004, and bear the SABS mark of approval.
15. Portable fire extinguishers to be hung on purpose-made 25 x 100 x 600mm polished hard wood backboard with chamfered edges plugged to brick or concrete wall.

Piping

16. All cold water pipes and fittings to fire hose reel, to be galvanised mild steel (GMS) to SANS 62 as amended.
17. All GMS water pipes and fittings to fire hose reels are to be surfaced-mounted and not chased in walls.
18. All GMS water pipes and fittings to fire hose reels and fire hydrant are to be painted 2 coats of high quality signal red in accordance with SANS 10400-3:2003, and the supplier's recommendation.

Signage

19. Photoluminescent fire escape pictorial signs to be provided in accordance with SANS 1186-1:2008, size: 150 x 150mm, or as shown on drawing.
20. Photoluminescent fire equipment pictorial signs to be provided in accordance with SANS 1186-1:2008, size: 150 x 150mm, or as shown on drawing.

Doors

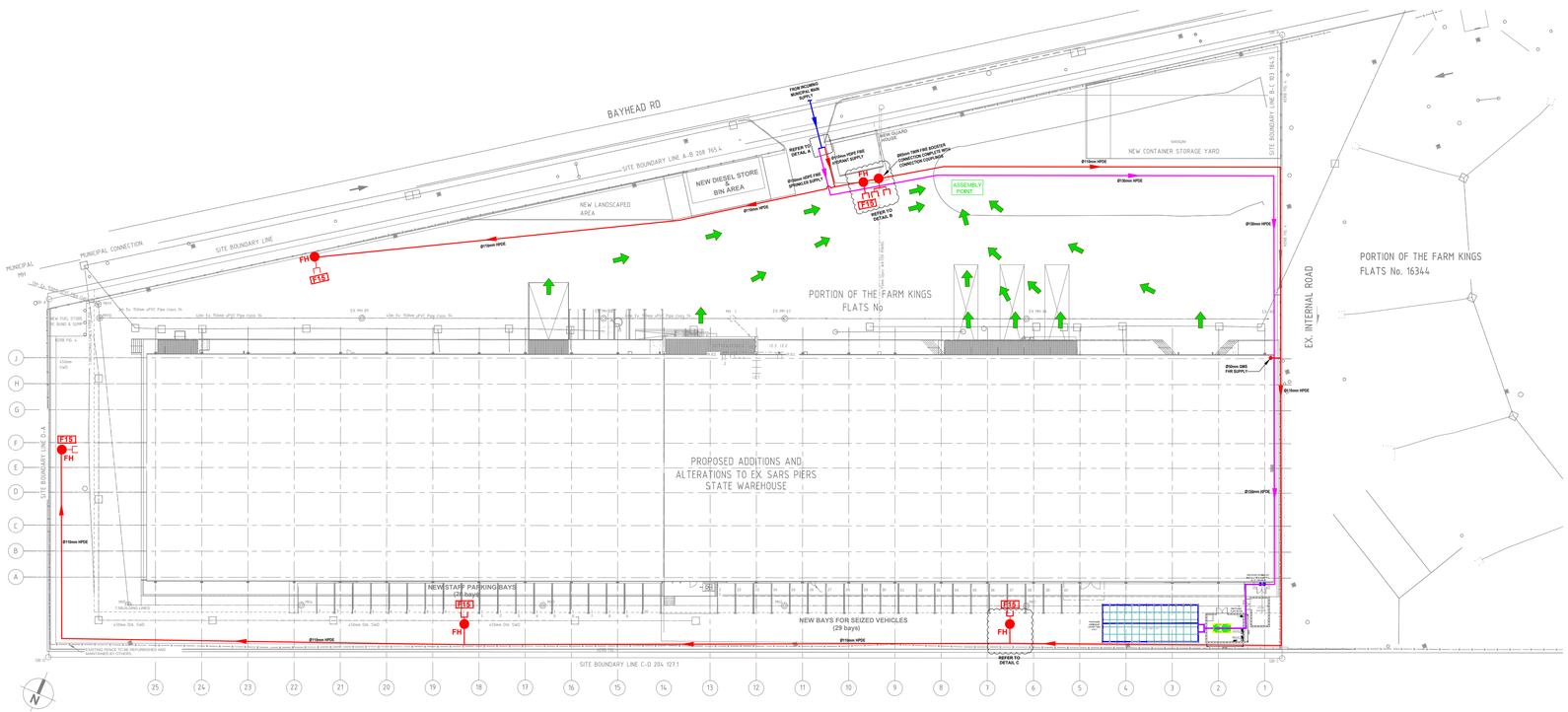
21. Escape doors to be fitted with approved self-closing devices and locking devices.
22. Class 'A' fire door to comply with SANS 1253 and to be fitted with approved locking devices.

Emergency Lighting

23. Emergency lighting to be a minimum of 50 lux for a period of at least 60 minutes.

Lifts

24. In a fire condition, lift control to be designed to bring all lifts to Ground Floor without stopping, and to remain with doors open .



SITE PLAN
FIRE PROTECTION LAYOUT
1:500

DRAWING ON THE BACKGROUND

DRAWING TITLE:	DRAWING NO:	DATE:	REV:
GROUND STOREY FLOOR PLAN- PART A	K01B-200-1 04	17-10-2016	D
GROUND STOREY FLOOR PLAN- PART B	K01B-200-2 04	17-10-2016	C
FIRST STOREY FLOOR PLAN (MEZZANINE) - PART A	K01B-201-1 04	17-10-2016	B
FIRST STOREY FLOOR PLAN (MEZZANINE) - PART B	K01B-201-2 04	17-10-2016	C

ARCHITECT:
THE CREATIVE AXIS

REV	DESCRIPTION	DATE	DRAWN	CHECKED
A	ISSUED FOR APPROVAL	02-08-2017	M.N	J.O

CLIENT:
SOUTH AFRICAN REVENUE SERVICE
Quinton Dyason SARS
Logistics Management Tel
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4009 079 372 7043
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P O Box 561, Bedfordview 2008, RSA • www.selanya.co.za

PROJECT:
UPGRADES AND ALTERCATIONS TO NEW PIER STATE WAREHOUSE

DRAWING TITLE:
SITE PLAN
FIRE PROTECTION LAYOUT

DRAWING STATUS:
APPROVAL

CLIENT APPROVAL:		DATE:	
DESIGNED: J.O	DRAWN: P.N	CHECKED: J.O	APPROVED: J.O
DATE: 29-06-2016	DISCIPLINE: MECHANICAL		SHEET SIZE: A1
DRAWING NO: J0150-M-003	SCALE: 1:500		REVISION: A

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