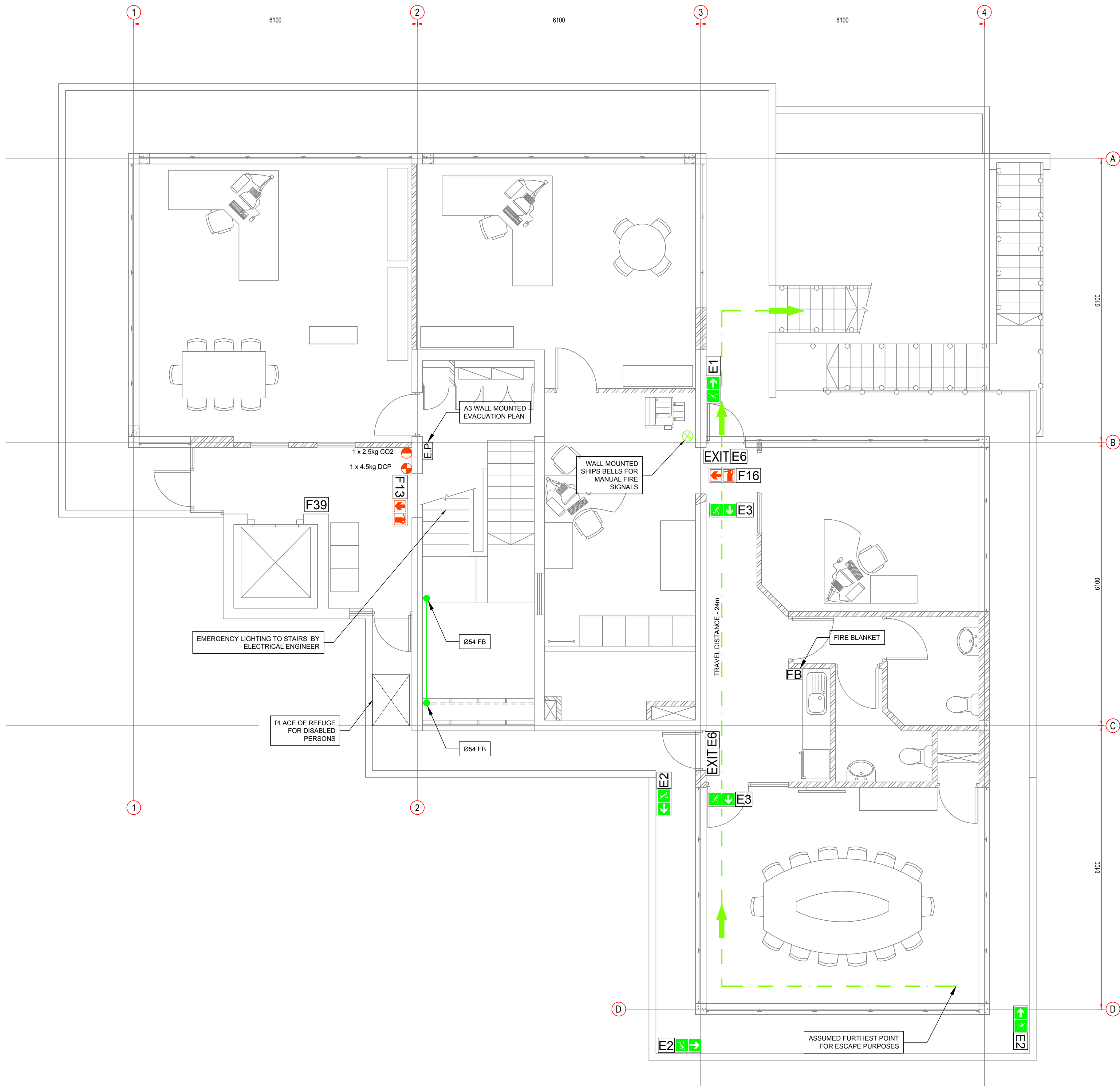


FIRE LEGEND	
SYMBOL	DESCRIPTION
	4.5kg DCP
	FIRE EXTINGUISHER
	5.0kg CO ₂
	FIRE EXTINGUISHER
	30m PVC FIRE HOSE
	REEL
	65mm RIGHT-ANGLE FIRE HYDRANT
	BOOSTER CONNECTION
	RISER
	BREAK GLASS UNIT
	HYDRANT MAIN SUPPLY (Ø80 - 100)
	FIRE HOSE REEL SUPPLY (Ø25 - 50)
	30 MINUTE FIRE RATED WALL
	60 MINUTE FIRE RATED WALL
	120 MINUTE FIRE RATED WALL
	CLASS B - 120 MINUTE FIRE RATED DOOR
	DIRECTIONAL ARROW
	SPRINKLER HEAD
	NON RETURN VALVE
	ISOLATION VALVE
	A3 EVACUATION PLAN
	PUMP
	PRESSURE SWITCH
	FIRE BLANKET
	STRAINER
	TO ABOVE
	FROM ABOVE

FIRE SYMBOLS (SANS 1186)	
	E1
	E2
	E3
EXIT	E6
	F20
	F17
	F14
	F16
	F19
	F13
	F4
	F5
	F6
	F1
	F2
	F3
	T1
	T2
	Evac chair

FIRST FLOOR - FIRE DESIGN SUMMARY SCHEDULE	
OCCUPANCY CLASSIFICATION	g1 - OFFICES
FLOOR AREA	243m ² (TOTAL BUILDING)
POPULATION	16 PEOPLE
NUMBER OF ESCAPE ROUTES	1
TYPE OF FIRE EQUIPMENT INSTALLED	FIRE HOSE REELS & FIRE EXTINGUISHERS
NUMBER OF FIRE HYDRANTS	1/1000m ² , NOT REQUIRED
NUMBER OF FIRE HOSE REELS	1/500m ² = 1, 1 ALLOWED
NUMBER OF FIRE EXTINGUISHERS	1/200m ² = 2, 3 ALLOWED
FIRE DETECTION AND PA SYSTEM INSTALLED	YES IN ACCORDANCE WITH SANS 10139. FULLY ADDRESSABLE.
SPRINKLER PROTECTED	NOT REQUIRED
SMOKE CONTROL	NOT REQUIRED (AREA OF INDIVIDUAL FLOORS <500m ²)

NOTES / LEGEND	APPROVED BY COUNCIL / CLIENT			DATE	INITIAL	No./CODE	REVISION DESCRIPTION	CLIENT	PROJECT				APPROVED BY BVI							
				01/02/2018	HL	1/D	FOR CONSTRUCTION	  • ENGINEERING • PROCUREMENT • MANAGEMENT  Registered on 1986/05/01/ET/07	RICHARDS BAY - PORT CONTROL TOWER				 ENGINEER/TECHNOLOGIST 200670062 01/02/2018							
	CITY ENGINEER / CLIENT	REG. NO.	DATE	28/05/2020	TB	2/D	FOR TENDER		DRAWING TITLE FIRST FLOOR FIRE LAYOUT				SCALE AS SHOWN @ A1	DRAWN HL	DESIGNED JP	CHECKED JP	PLAN NUMBER 32442.00-720-02	REVISION NO. 2	DATE SAVED 28 MAY 2020	
	AMENDMENTS CODE																			
A,B,C,J : BEFORE TENDER 0 : TENDER DRAWING 1,2,3,J : AFTER TENDER Z : AS BUILT	A : BY CLIENT B : BY ARCHITECT C : BY MECHANICAL OR ELECTRICAL D : BY BVI E : BY OTHER ()																			

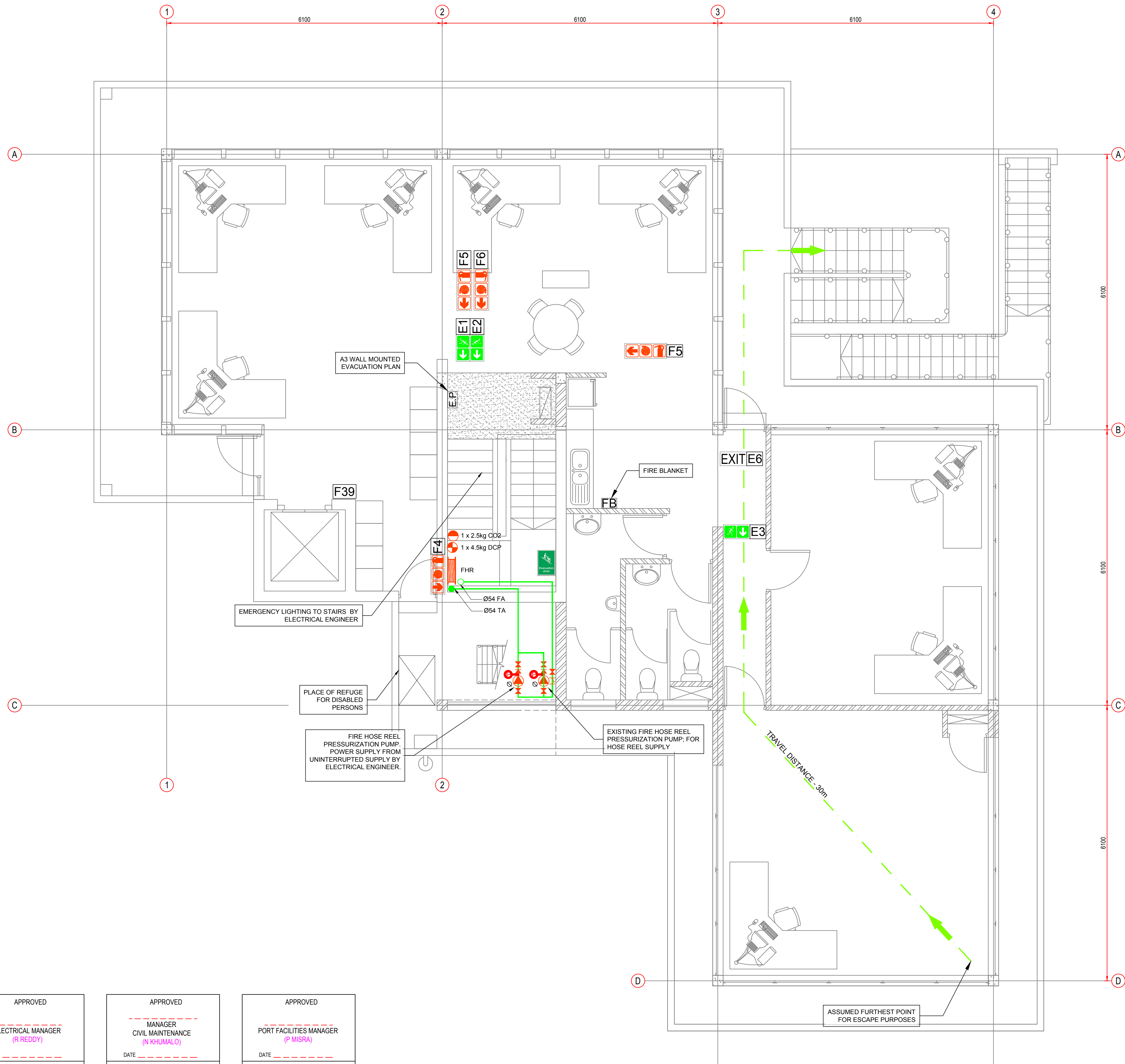


FIRE LEGEND	
SYMBOL	DESCRIPTION
	4.5kg DCP FIRE EXTINGUISHER
	30m PVC FIRE HOSE REEL
	65mm RIGHT-ANGLE FIRE HYDRANT
	BOOSTER CONNECTION
	RISER
	BK GLASS UNIT
	HYDRANT MAIN SUPPLY (Ø80 - 100)
	FIRE HOSE REEL SUPPLY (Ø25 - 50)
	30 MINUTE FIRE RATED WALL
	60 MINUTE FIRE RATED WALL
	120 MINUTE FIRE RATED WALL
	CLASS B - 120 MINUTE FIRE RATED DOOR
	DIRECTIONAL ARROW
	SPRINKLER HEAD
	NON RETURN VALVE
	ISOLATION VALVE
	A3 EVACUATION PLAN
	PUMP
	PRESSURE SWITCH
	FIRE BLANKET
	STRAINER
	TO ABOVE
	FROM ABOVE

FIRE SYMBOLS (SANS 1186)	
	E1
	E2
	E3
	EXIT
	E6
	F20
	F17
	F14
	F16
	F19
	F13
	F4
	F5
	F6
	F1
	F2
	F3
	T1
	T2
	Evac chair

SECOND FLOOR - FIRE DESIGN SUMMARY SCHEDULE	
OCCUPANCY CLASSIFICATION	G1 - OFFICES
FLOOR AREA	194m² (TOTAL BUILDING)
POPULATION	25 PEOPLE
NUMBER OF ESCAPE ROUTES	1
TYPE OF FIRE EQUIPMENT INSTALLED	FIRE HOSE REELS & FIRE EXTINGUISHERS
NUMBER OF FIRE HYDRANTS	1/1000m², NOT REQUIRED
NUMBER OF FIRE HOSE REELS	1/500m², NOT REQUIRED
NUMBER OF FIRE EXTINGUISHERS	1/200m² = 1, 2 ALLOWED
FIRE DETECTION AND PA SYSTEM INSTALLED	YES IN ACCORDANCE WITH SANS 10139, FULLY ADDRESSABLE.
SPRINKLER PROTECTED	NOT REQUIRED
SMOKE CONTROL	NOT REQUIRED (AREA OF INDIVIDUAL FLOORS <500m²)

NOTES / LEGEND		APPROVED BY COUNCIL / CLIENT		DATE	INITIAL	No./CODE	REVISION DESCRIPTION	CLIENT		PROJECT				APPROVED BY BVI																																							
				01/02/2018	HL	1/D	FOR CONSTRUCTION	 TRANSNET  national ports authority		 bvi 50 YEAR CELEBRATION EST 1967-2017 • ENGINEERING • PROCUREMENT • MANAGEMENT  Registration no. 1986000019707				<table><tr><th>PROVINCE</th><th>OFFICE</th><th>E-MAIL</th></tr><tr><td>Gauteng</td><td>Telwene</td><td>psa@vgp.co.za</td></tr><tr><td></td><td>Pretoria</td><td>psa@vgp.co.za</td></tr><tr><td>Free State</td><td>Stellenbosch</td><td>psa@vgp.co.za</td></tr><tr><td></td><td>Wolkom</td><td>psa@vgp.co.za</td></tr><tr><td>Northern Cape</td><td>Upington</td><td>psa@vgp.co.za</td></tr><tr><td></td><td>Springbok</td><td>psa@vgp.co.za</td></tr><tr><td>KwaZulu Natal</td><td>Durban</td><td>psa@vgp.co.za</td></tr><tr><td></td><td>Empangeni</td><td>psa@vgp.co.za</td></tr><tr><td>Eastern Cape</td><td>Port Elizabeth</td><td>psa@vgp.co.za</td></tr><tr><td></td><td>East London</td><td>psa@vgp.co.za</td></tr><tr><td>Western Cape</td><td>Cape Town</td><td>psa@vgp.co.za</td></tr></table> Visit or contact us online at www.bvi.org.za				PROVINCE	OFFICE	E-MAIL	Gauteng	Telwene	psa@vgp.co.za		Pretoria	psa@vgp.co.za	Free State	Stellenbosch	psa@vgp.co.za		Wolkom	psa@vgp.co.za	Northern Cape	Upington	psa@vgp.co.za		Springbok	psa@vgp.co.za	KwaZulu Natal	Durban	psa@vgp.co.za		Empangeni	psa@vgp.co.za	Eastern Cape	Port Elizabeth	psa@vgp.co.za		East London	psa@vgp.co.za	Western Cape	Cape Town	psa@vgp.co.za
PROVINCE	OFFICE	E-MAIL																																																			
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Western Cape	Cape Town	psa@vgp.co.za																																																			
				28/09/2020	TB	2/D	FOR TENDER																																														



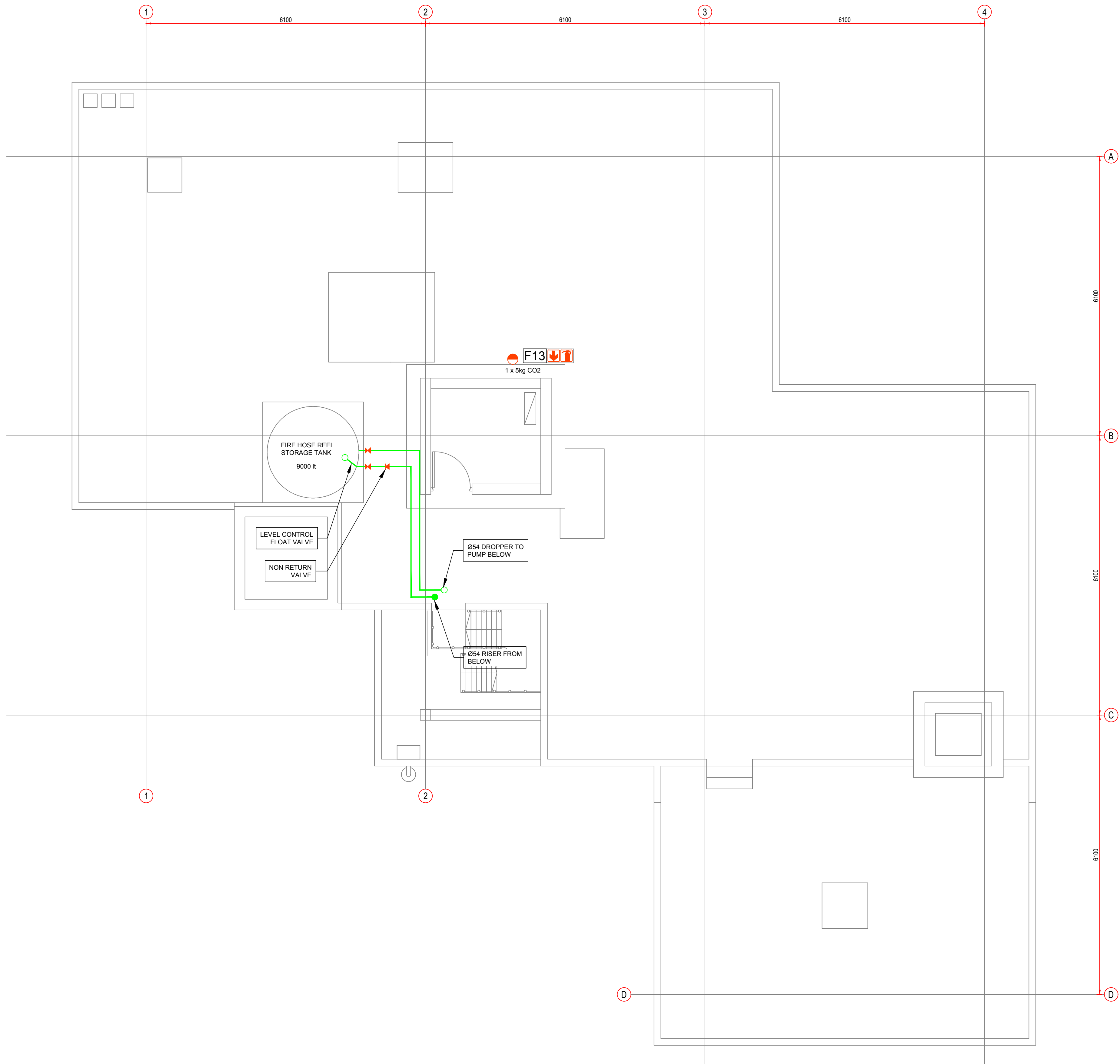
FIRE LEGEND	
SYMBOL	DESCRIPTION
	4.5kg DCP FIRE EXTINGUISHER
	5.0kg CO2 FIRE EXTINGUISHER
	30m PVC FIRE HOSE REEL
	65mm RIGHT-ANGLE FIRE HYDRANT
	BOOSTER CONNECTION
	RISER
	BK BREAK GLASS UNIT
	HYDRANT MAIN SUPPLY (Ø80 - 100)
	FIRE HOSE REEL SUPPLY (Ø25 - 50)
	30 MINUTE FIRE RATED WALL
	60 MINUTE FIRE RATED WALL
	120 MINUTE FIRE RATED WALL
	CLASS B - 120 MINUTE FIRE RATED DOOR
	DIRECTIONAL ARROW
	SPRINKLER HEAD
	NON RETURN VALVE
	ISOLATION VALVE
	A3 EVACUATION PLAN
	PUMP
	PRESSURE SWITCH
	FIRE BLANKET
	STRAINER
	TO ABOVE
	FROM ABOVE

FIRE SYMBOLS (SANS 1186)	
	E1
	E2
	E3
	E6
	F20
	F17
	F14
	F16
	F19
	F13
	F4
	F5
	F6
	F1
	F2
	F3
	T1
	T2
	Evac chair

THIRD FLOOR - FIRE DESIGN SUMMARY SCHEDULE	
OCCUPANCY CLASSIFICATION	G1 - OFFICES
FLOOR AREA	196m² (TOTAL BUILDING)
POPULATION	13 PEOPLE
NUMBER OF ESCAPE ROUTES	2
TYPE OF FIRE EQUIPMENT INSTALLED	FIRE HOSE REELS & FIRE EXTINGUISHERS
NUMBER OF FIRE HYDRANTS	1/1000m², NOT REQUIRED
NUMBER OF FIRE HOSE REELS	1/500m² = 1, 1 ALLOWED
NUMBER OF FIRE EXTINGUISHERS	1/200m² = 1, 2 ALLOWED
FIRE DETECTION AND PA SYSTEM INSTALLED	YES IN ACCORDANCE WITH SANS 10139, FULLY ADDRESSABLE.
SPRINKLER PROTECTED	NOT REQUIRED
SMOKE CONTROL	NOT REQUIRED (AREA OF INDIVIDUAL FLOORS <500m²)

APPROVED PORT ENGINEER (B NGCOBO PT ENG) DATE	APPROVED ELECTRICAL MANAGER (R REDDY) DATE	APPROVED MANAGER CIVIL MAINTENANCE (N KHUMALO) DATE	APPROVED PORT FACILITIES MANAGER (P MISRA) DATE
APPROVAL DOES NOT INDICATE ACCEPTANCE OF ANY RESPONSIBILITY FOR SAFETY OR ADEQUACY OF STRUCTURES	APPROVAL DOES NOT INDICATE ACCEPTANCE OF ANY RESPONSIBILITY FOR SAFETY OR ADEQUACY OF STRUCTURES	APPROVAL DOES NOT INDICATE ACCEPTANCE OF ANY RESPONSIBILITY FOR SAFETY OR ADEQUACY OF STRUCTURES	APPROVAL DOES NOT INDICATE ACCEPTANCE OF ANY RESPONSIBILITY FOR SAFETY OR ADEQUACY OF STRUCTURES

NOTES / LEGEND		APPROVED BY COUNCIL / CLIENT		DATE	INITIAL	No. CODE	REVISION DESCRIPTION	CLIENT		PROVINCE		OFFICE		E-MAIL		PROJECT		APPROVED BY BVI	
		CITY ENGINEER / CLIENT		REG. NO.	DATE	28/05/2020	TB	2/D	FOR TENDER	TRANSNET		bvi		50 YEAR CELEBRATION EST 1967-2017		RICHARDS BAY - PORT CONTROL TOWER		ENGINEER/TECHNOLOGIST	
		AMENDMENTS CODE														DRAWING TITLE		SCALE	
		A. BY CLIENT														THIRD FLOOR FIRE LAYOUT		AS SHOWN @ A1	
		B. BY ARCHITECT																DRAWN	
		C. BY MECHANICAL OR ELECTRICAL																CHECKED	
		D. BY BVI																PLAN NUMBER	
		E. BY OTHER ()																REVISION NO.	
																		DATE SAVED	
																		32442.00-720-04	
																		2	
																		28 MAY 2020	



FIRE LEGEND	
SYMBOL	DESCRIPTION
	4.5kg DCP FIRE EXTINGUISHER
	5.0kg CO2 FIRE EXTINGUISHER
	30m PVC FIRE HOSE
	REEL
	65mm RIGHT-ANGLE FIRE HYDRANT
	BOOSTER CONNECTION
	RISER
	BK BREAK GLASS UNIT
	HYDRANT MAIN SUPPLY (Ø80 - 100)
	FIRE HOSE REEL SUPPLY (Ø25 - 50)
	30 MINUTE FIRE RATED WALL
	60 MINUTE FIRE RATED WALL
	120 MINUTE FIRE RATED WALL
	CLASS B - 120 MINUTE FIRE RATED DOOR
	DIRECTIONAL ARROW
	SPRINKLER HEAD
	NON RETURN VALVE
	ISOLATION VALVE
	A3 EVACUATION PLAN
	PUMP
	PRESSURE SWITCH
	FIRE BLANKET
	STRAINER
	TO ABOVE
	FROM ABOVE

FIRE SYMBOLS (SANS 1186)	
	E1
	E2
	E3
	E6
	F20
	F17
	F14
	F16
	F19
	F13
	F4
	F5
	F6
	F1
	F2
	F3
	T1
	T2
	Evac chair

ROOF - FIRE DESIGN SUMMARY SCHEDULE	
OCCUPANCY CLASSIFICATION	ROOF
FLOOR AREA	236m² (TOTAL BUILDING)
POPULATION	NOT OCCUPIED
NUMBER OF ESCAPE ROUTES	1
TYPE OF FIRE EQUIPMENT INSTALLED	FIRE EXTINGUISHERS
NUMBER OF FIRE HYDRANTS	1/1000m², NOT REQUIRED
NUMBER OF FIRE HOSE REELS	1/500m², NOT REQUIRED
NUMBER OF FIRE EXTINGUISHERS	1/200m² = 1, 1 ALLOWED
FIRE DETECTION AND PA SYSTEM INSTALLED	YES IN ACCORDANCE WITH SANS 10139. FULLY ADDRESSABLE.
SPRINKLER PROTECTED	NOT REQUIRED
SMOKE CONTROL	NOT REQUIRED (AREA OF INDIVIDUAL FLOORS <500m²)

NOTES / LEGEND		APPROVED BY COUNCIL / CLIENT		DATE	INITIAL	No. CODE	REVISION DESCRIPTION	CLIENT		PROVINCE		OFFICE		E-MAIL		PROJECT		APPROVED BY BVI	
		CITY ENGINEER / CLIENT		REG. NO.	DATE	28/05/2020	TB	2/D	FOR TENDER	TRANSNET		Tshwane		jag@bvi.co.za		RICHARDS BAY - PORT CONTROL TOWER		ENGINEER/TECHNOLOGIST	
										Free State		Pretoria		jag@bvi.co.za		DRAWING TITLE		SCALE	
										Northern Cape		Springbok		jag@bvi.co.za		ROOF FIRE LAYOUT		DESIGNED	
										KwaZulu Natal		Durban		jag@bvi.co.za				CHECKED	
										Eastern Cape		Port Elizabeth		jag@bvi.co.za				PLAN NUMBER	
										Western Cape		Cape Town		jag@bvi.co.za				REVISION NO.	
																		DATE SAVED	
																		32442.00-720-05	
																		2	
																		28 MAY 2020	

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32442.00-720 REV 2.DWG