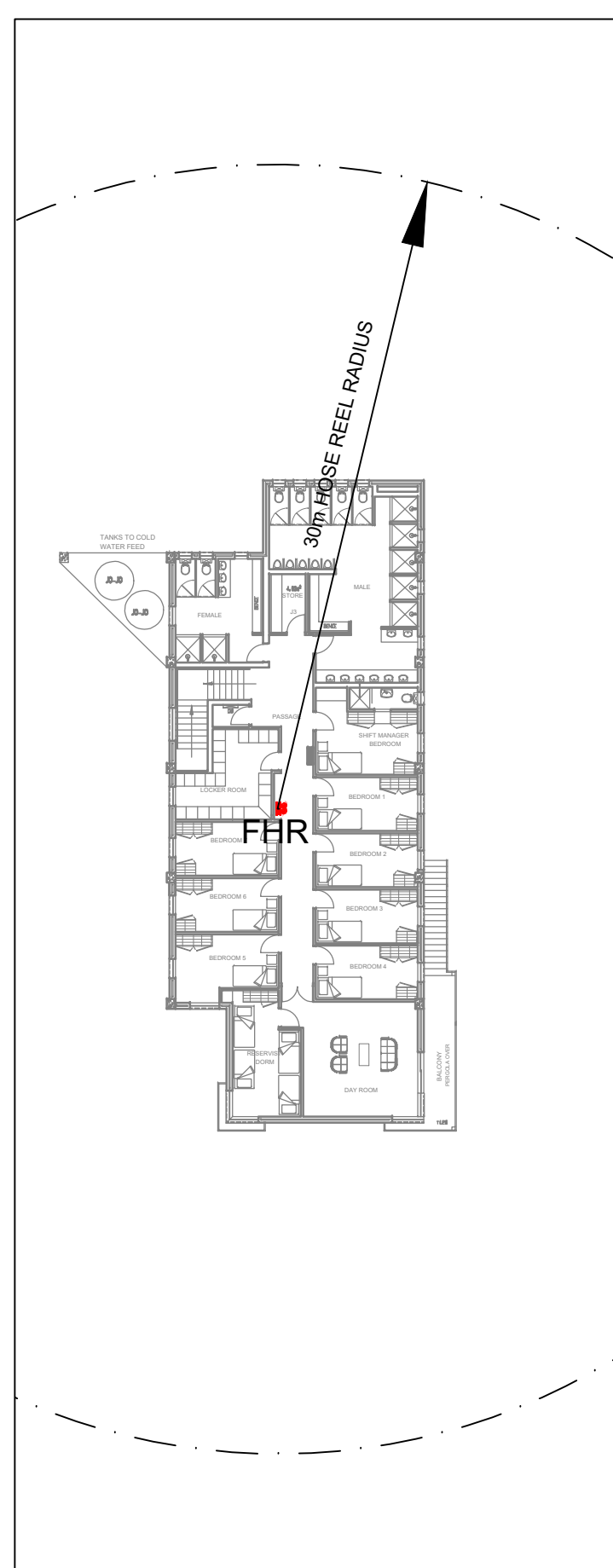
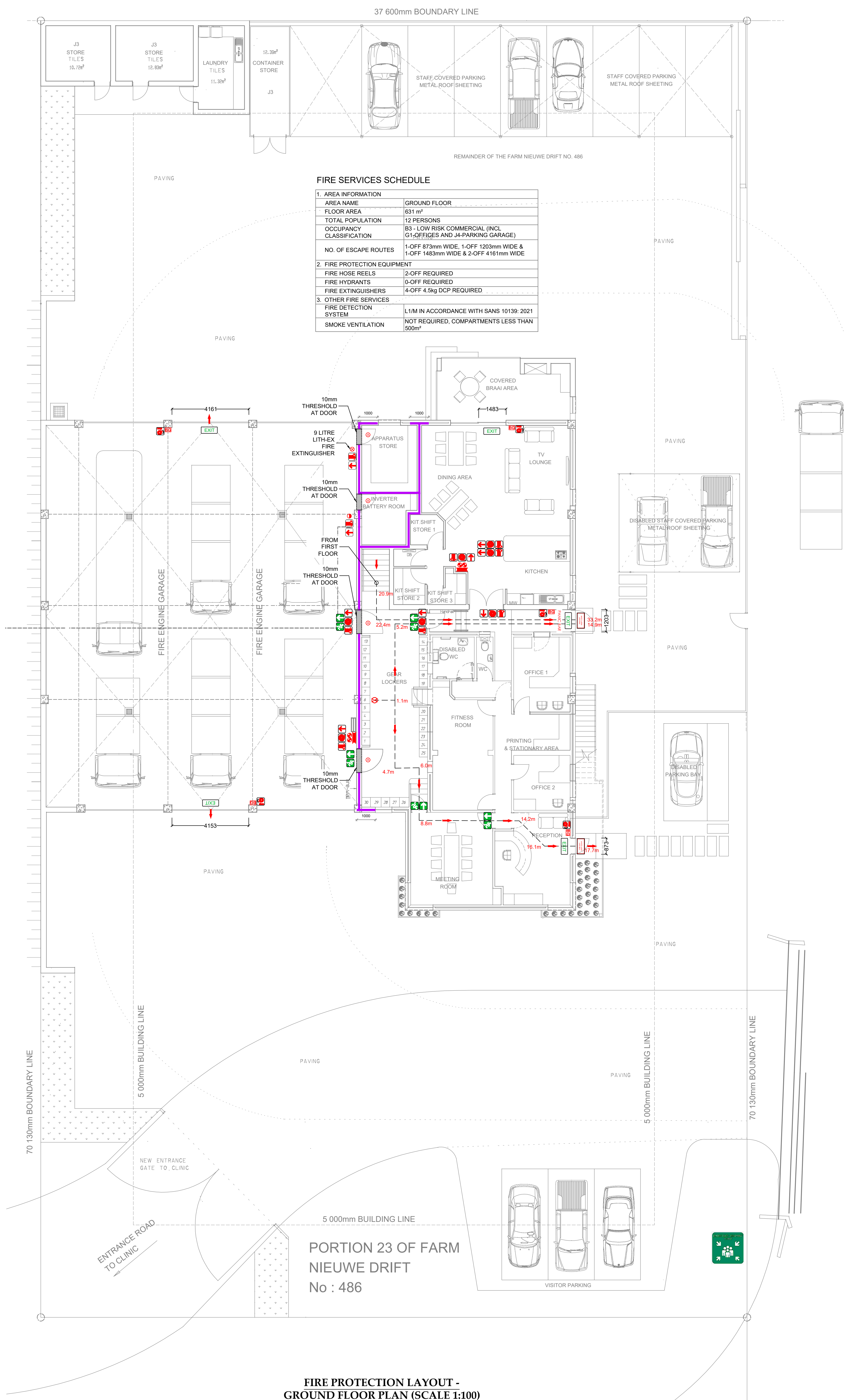


FIRE HOSE REEL COVERAGE -
GROUND FLOOR PLAN (SCALE 1:300)

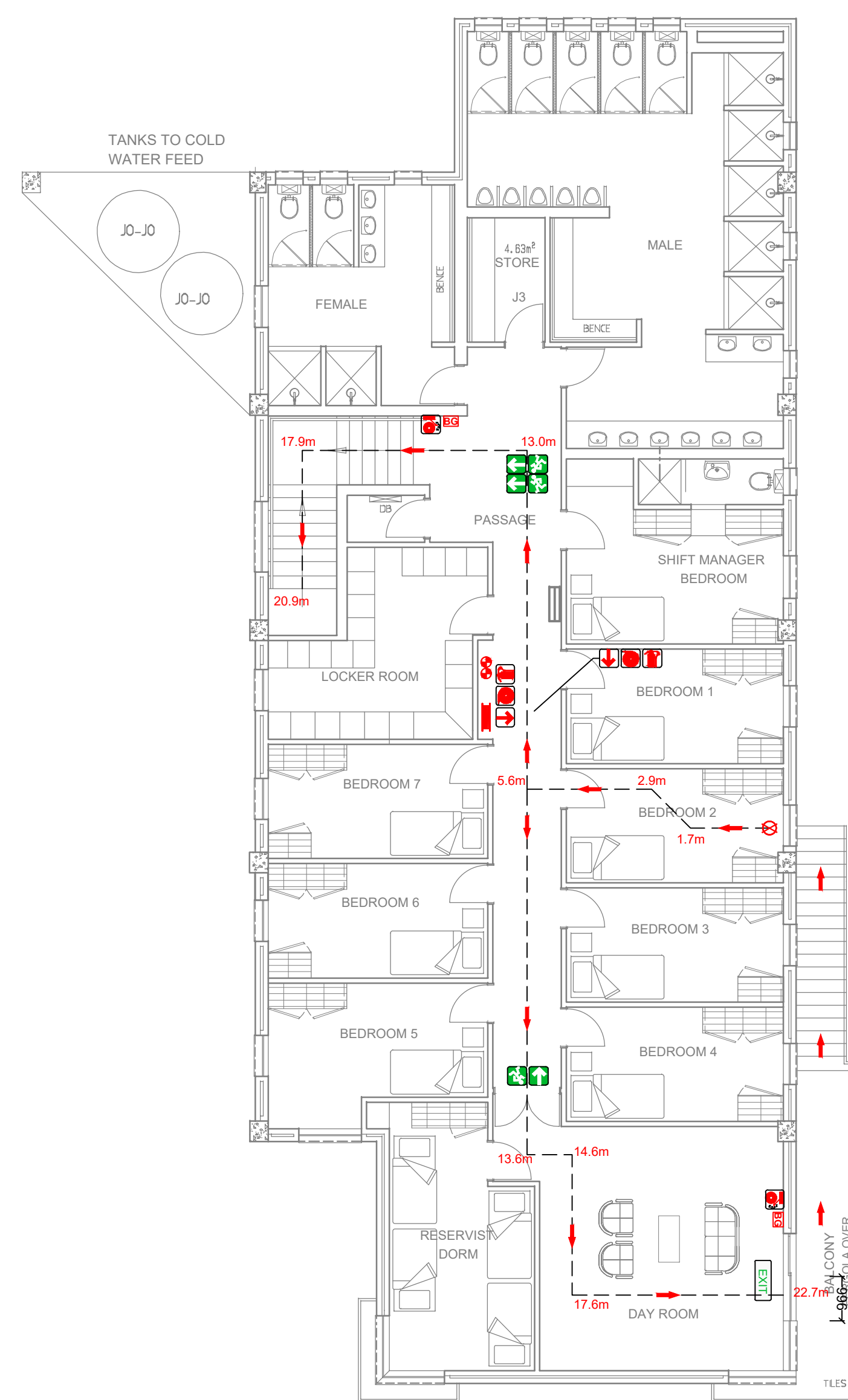


**FIRE HOSE REEL COVERAGE -
FIRST FLOOR PLAN (SCALE 1:300)**












FIRE PROTECTION LAYOUT -
GROUND FLOOR PLAN (SCALE 1:100)

FIRE SERVICES SCHEDULE	
1. AREA INFORMATION	
FIRE AREA NAME	FIRST FLOOR
FLOOR AREA	300.6m ²
TOTAL POPULATION	12 PERSONS
OCCUPANCY CLASSIFICATION	B3 - LOW RISK COMMERCIAL
NO. OF ESCAPE ROUTES 1-OFF 966mm WIDE, 1-OFF 1500mm WIDE	
2. FIRE PROTECTION EQUIPMENT	
FIRE HOSE REELS	1-OFF REQUIRED
FIRE HYDRANTS	0-OFF REQUIRED
FIRE EXTINGUISHERS	2-OFF 4.5kg DCP REQUIRED
3. OTHER FIRE SERVICES	
FIRE DETECTION SYSTEM	L1/M IN ACCORDANCE WITH SANS 10139: 2021
SMOKE VENTILATION	NOT REQUIRED, COMPARTMENTS LESS THAN 100m ²



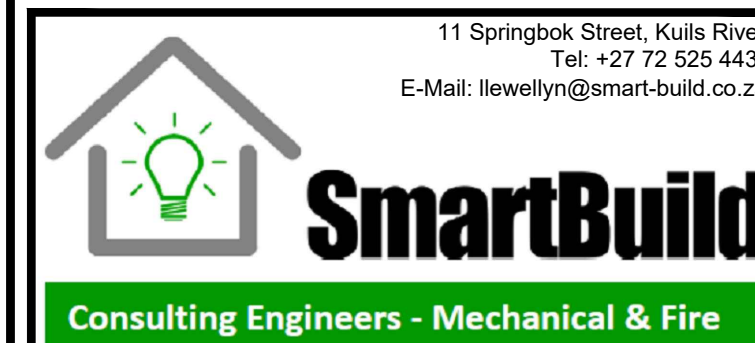
FIRE PROTECTION LAYOUT -
FIRST FLOOR PLAN (SCALE 1:100)

- ## FIRE NOTICES
1. STRUCTURAL STABILITY AS PER SANS 10400: PART-6: 60 MINUTES
 2. FIRE EXTINGUISHERS, FIRE HOSE REELS AND FIRE HYDRANTS TO BE PROVIDED AT RATE AS SPECIFIED IN SANS 10400: PART-6, SERVICE STRINGERS TO BE VIBRANTLY DISPLAYED
 3. FIRE EXTINGUISHERS TO BE MOUNTED ON TIMBER BACKS AS PER SANS 10400: PART-6, FIRE HOSE REELS TO BE MOUNTED WITH THE CENTER AT 1600mm AFFC
 4. FIRE EXTINGUISHERS TO COMPLY WITH SANS 810: FIRE HOSE REELS TO COMPLY WITH 543: PIPE WORK SHALL BE INSTALLED AS PER SANS 812
 5. FIRE HOSE REELS SHALL HAVE A MINIMUM FLOW RATE OF 0.5 l/s @ 300KPa, FIRE HOSE SHALL HAVE A MINIMUM FLOW RATE OF 0.5 l/s @ 300KPa
 6. FIRE HOSE REELS SHALL COME COMPLETE WITH 30m HOSE AND NOZZLE. FIRE HYDRANTS SHALL BE INSTALLED WITH FEMALE INSTANTANEOUS COUPLING ON WYCLON PLUG
 7. FIRE SIGNS TO BE SANS 11865: PHOTO LUMINESCENT TYPE, 200x200MM FOR GARAGE, 100x100 FOR OFFICE AND RESIDENTIALLY. SIGNAGE TO BE SUPPLIED WITH BATTERY BACKUP TO BE PROVIDED, EXCEPT WHERE EMERGENCY LIGHTING IS CLOSE ENOUGH TO PROVIDE SUFFICIENT LIGHT ON PHOTO LUMINESCENT SIGNS TO BE MECHANICALLY FIXED.
 8. ALL EXISTING SIGNS BEING REUSED TO BE FITTED WITH NEW ALUMINUM FRAMES
 9. FIREFIGHTER GAUGES TO BE INSTALLED AT EACH HOSE REEL
 10. ANY REEL IN ANY EXTENSAL WALL OF ANY DIVISION TO BE INSTALLED ON OR NEAR ROOM/FLOOR
 11. DOORS ON ACCESS CONTROL, TO CLOSE/ RELEASER ON FIRE DETECTION SIGNAL
 12. CLOSURES OF FIRE PARTITIONS, OPENINGS AND PENETRATIONS (FIRE RATED WALLS), ALL PENETRATIONS AND OPENINGS IN WALLS INDICATED ON THE FIRE PLAN TO BE TO FIRE WALLS ARE TO BE CLOSED UP AND FIRE RATED FOR THE SAME PERIOD AS THE FIRE WALLS TO BE USING SABS APPROVED PRODUCTS
 13. ALL EXISTING LIGHTING TO BE PROVIDED IN ESCAPE ROUTES TO BE A MINIMUM AVERAGE ILLUMINANCE OF 10 LUX FOR 120 MINUTES

FIRE SERVICES LEGEND	
SYMBOL	DESCRIPTION
	4.5kg DCP FIRE EXTINGUISHER
	5.0kg CO2 FIRE EXTINGUISHER
	9 LITRE LITH-EX FIRE EXTINGUISHER
	30m PVC FIRE HOSE REEL
	BREAK GLASS UNIT
	60 MINUTE FIRE RATED WALL
	CLASS A 60min SELF CLOSING FIRE DOOR
	ASSUMED FURTHEST POINT OF ESCAPE
	DIRECTION OF TRAVEL

ARCHITECT					
PROJECT / DWG NO.					
REVISION					
DATE RECEIVED					
SCALE		 0 5 10 15 20 30 50mm			
1 : 100		ORIGINAL SIZE A0			
A	12/11/2024	ISSUED FOR APPROVAL			LC
REV.	DATE	DESCRIPTION			RE E

CLIENT/EMPLOYER



ADDRESS
NIEUWEDRIFT FIRE STATION
ALTERATIONS AND ADDITIONS TO
EXISTING BUILDING REMAINDER
PORTION 23 OF FARM 486
BOLAND ROAD PAARL

PLAN DESCRIPTION

PROPOSED
FIRE SERVICES LAYOUT

	NAME	SIGNATURE
DESIGNED	L Cornelissen	
DRAWN	LC	
CHECKED	L Cornelissen	
APPROVED	L Cornelissen	
PR. NO.	201370078	

CONTRACT NO.		240901
DRAWING NO.	240901-M-201	REVISION A

COPYRIGHT IS VESTED IN
SMARTBUILD CONSULTING (PTY) LTD
IN TERMS OF THE COPYRIGHT ACT

FOR APPROVAL ONLY	
DATE:	12/11/2024
REV:	A