

**Planning Statement**

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**Annex 4**

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Fire Service Installations Layout Plan

**LEGEND**

-  FLASHING LIGHT
-  FIRE ALARM BELL
-  MFA CALL POINT
-  HOSE REEL SET (30M LENGTH)
-  SPRINKLER INLET
-  SPRINKLER CONTROL VALVE GROUP
-  4KG DRY POWDER TYPE FIRE EXTINGUISHER
-  5KG CO2 GAS TYPE FIRE EXTINGUISHER
-  SPRINKLER PUMP & H.R. PUMP SET

**PROPOSED APPLICATION:**

-  LOT 491 RP BOUNDARY
-  APPLICATION SITE: 2378.5 sq.m (about)
-  AREA WITHIN GOVERNMENT LAND APPLICATION SITE: 131.9 sq.m (about)
-  AREA WITHIN LOT 491 RP APPLICATION SITE: 2246.6 sq.m (about)
-  TOTAL BUILT-OVER AREA: 1346.5 sq.m (about)
-  PARKING AREA

LEGEND	FEATURE	TYPE	AREA (sq.m. about)	HEIGHT (m)	STOREY
	A	WAREHOUSE	929.2	6.0	1
	B	OFFICE	30.0	2.9	1
	C	OFFICE	17.7	2.7	1
	D	OFFICE	38.9	2.8	1
	E	STORAGE	91.4	3.8	1
	F	STORAGE	33.4	3.4	1
	G	TOILET	6.6	2.7	1
	H	SHELTER	67.4*	4.5	1
	J	SHELTER	47.9*	3.1	1
	K	SHELTER	1069.6*	7.4	1
* INCLUDE AREAS OVERLAPPED WITH STRUCTURES A TO G					

**Fire Notes:**

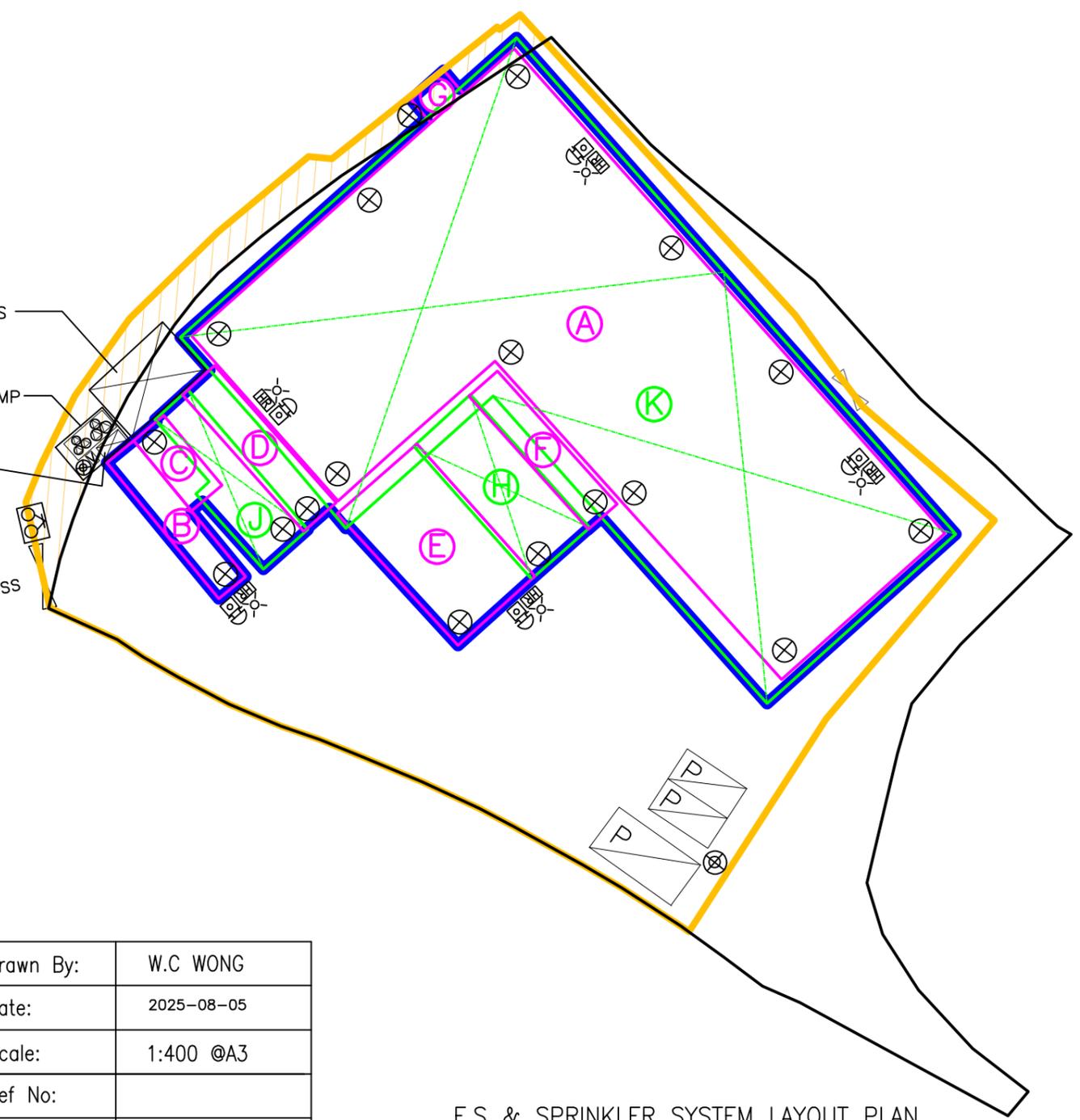
1. Sufficient emergency lighting shall be provided throughout the entire building in accordance with BS 5266-1:2016, BS EN 1838:2013 and FSD Circular Letter no.4/2021.
2. Sufficient directional and exit sign shall be provided in accordance with BS 5266-1:2016 and FSD Circular Letter 5/2008.
3. Sufficient portable hand-operated approved appliance shall be provided as required by occupancy and as marked on plans.
4. An Automatic Sprinkler System Supplied by 135 m<sup>3</sup> Sprinkler Water Tank and Hazard Class OH 3 shall be provided to the building/structure in accordance with BS EN 12845:2015 and FSD Circular Letter No.5/2020. The Sprinkler Inlet and Sprinkler Control Valve Group as marked on plans. & the sprinkler water tank, F.S water tank, Sprinkler pump room and F.S pump room as marked on plans too.
5. The storage configuration is ST1 & ST2.  
 ST1: free standing or block stacking with reference to the section 6.3.2 of B.S 12845 and storage pattern is the maximum storage height shall not exceed 4 m & the maximum storage areas shall be 50m<sup>2</sup> for any single block with no less than 2.4m clearance around the block as Ordinary Hazard Group 3 in accordance with LPC BS EN 12845 (Storage Category I)  
 ST2: Post pallets in single rows, with aisles not less than 2.4m wide with reference to section 6.3.2 of B.S 12845. Maximum storage heights shall not exceed 3.5m & Aisles between rows shall be not less than 2.4m wide as Ordinary Hazard Group 3 in accordance with LPC BS EN 12845 (Storage Category: Category I)
6. A hose reel system should be supplied by 2.0m<sup>3</sup> F.S Water tank. There shall be sufficient hose reel to ensure that every part of each building can be reached by a length of not more than 30m of hose reel tubing. The F.S water tank, F.S pump room and hose reel shall be clearly marked on plans.
7. Fire alarm system shall be provided throughout the entire building in accordance with BS 5839-1:2017 and FSD Circular Letter no 6/2021. One actuation point and one audio warning device to be located at each hose reel point. The actuation point should include facilities for fire pump start and audio/visual warning device initiation.
8. The Sprinkler Tank & F.S water supply pipe be connected to Town Main.
9. The Sprinkler pump (SP1, SP2, JP) & F.S Hose Reel pump (HP1, HP2, JP) shall be provided at Sprinkler pump room & F.S pump Room.
10. Source of secondary power supply for the proposed FSIs shall be provided.

PROPOSED 135,000 LITERS R.C.C SPRINKLER WATER TANK

PROPOSED SPRINKLER PUMP ROOM & F.S PUMP ROOM

PROPOSED 2,000 LITERS FIBRE GLASS F.S. WATER TANK FOR H.R.

Ingress/Egress



F.S & SPRINKLER SYSTEM LAYOUT PLAN

INTERCEPT FIRE & SECURITY TECHNICIANS LIMITED

**Project :**  
 PROPOSED TEMPORARY SHOP AND SERVICES (METALWARE AND CONSTRUCTION MATERIALS AND EQUIPMENT) WITH INSTALLATION OF SOLAR PHOTOVOLTAIC SYSTEM AND ANCILLARY OFFICE FOR A PERIOD OF 3 YEARS AT LOT NO.491 RP IN D.D.130 IN SAN HING TSUEN, LAM TEI, TUEN MUN, N.T

**TITLE :**  
 PROPOSED FIRE SERVICE INSTALLATION LAYOUT PLAN.

Drawn By:	W.C WONG
Date:	2025-08-05
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