

**FIRE SERVICES NOTES:**

**1. HOSE REEL SYSTEM**

- 1.1 HR SYSTEM TO BE PROVIDED AND INSTALLED FOR THE STRUCTURE (CONTAINER FREIGHT STATION) IN ACCORDANCE WITH THE CODE OF PRACTICE FOR MINIMUM FIRE SERVICE INSTALLATIONS AND EQUIPMENT
- 1.2 HOSE REELS SHALL BE PROVIDED AT THE POSITIONS INDICATED ON PLAN.
- 1.3 SUFFICIENT HOSE REELS TO BE PROVIDED TO ENSURE THAT EVERY PART OF THE AREA CAN BE REACHED BY A LENGTH OF NOT MORE THAN 30m OF HOSE REEL TUBING.
- 1.4 AN MODIFIED HOSE REEL SYSTEM WITH 2000L F.S. WATER TANK TO BE PROVIDED AND TO BE SINGLE END FEED FROM TOWN MAIN. THE LOCATION OF THE FS WATER TANK AND FS PUMP ROOM ARE CLEARLY MARKED ON PLANS.
- 1.5 TWO FIXED FIRE PUMPS (DUTY & STANDBY) TO BE PROVIDED IN THE PUMP ROOM.
- 1.6 NO FIRE SERVICES INLET TO BE PROVIDED FOR THE MODIFIED HOSE REEL SYSTEM.
- 1.7 AN INSTRUCTION PLATE SHALL BE PROVIDED NEXT TO THE BREAK GLASS UNIT FOR OPERATION OF HOSE REEL

**2. AUTOMATIC SPRINKLER SYSTEM**

- 2.1 AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED TO THE ENTIRE STRUCTURE IN ACCORDANCE WITH LPC RULES INCORPORATING BS EN12845 : 2015 AND FSD CIRCULAR LETTER 5/2020. THE SPRINKLER TANK, SPRINKLER PUMP ROOM, SPRINKLER INLET AND SPRINKLER CONTROL VALVE GROUP SHALL BE CLEARLY MARKED ON PLANS.
- 2.2 THE HAZARD GROUP OF THE SPRINKLER SYSTEM IS OH3.
- 2.3 A 95000L SPRINKLER WATER TANK TO BE PROVIDED AS INDICATED ON THE PLAN. SINGLE-END WATER SUPPLY WILL BE FEED FROM TOWN MAIN
- 2.4 SPRINKLER CONTROL VALVE SET AND SPRINKLER INLET TO BE PROVIDED AT GROUND FLOOR AND THE LOCATION AS INDICATED ON PLAN
- 2.5 TWO SPRINKLER PUMPS (DUTY & STANDBY) AND ONE SPRINKLER JOCKEY PUMP TO BE PROVIDED FOR SERVING THE STRUCTURE AND LOCATED IN PUMP ROOM.
- 2.6 ALL SPRINKLER PIPE SIZE SHOULD BE  $\phi 32\text{mm}$  UNLESS SPECIFY
- 2.7 ALL INSTALLED SPRINKLER SHOULD BE PENDENT TYPE AND THE TEMPERATURE RATING OF SPRINKLER HEAD SHALL BE 68 °C UNLESS OTHERWISE SPECIFIED.
- 2.8 ALL SPRINKLER ALARM SIGNALS TO BE TRANSMITTED TO THE AFA PANEL LOCATED AT THE FS PUMP ROOM AS INDICATED ON PLANS. THE SPRINKLER ALARM SIGNAL SHALL BE TRANSMITTED TO THE F.S. COMMUNICATION CENTRE BY DIRECT TELEPHONE LINE.

**3. FIRE ALARM SYSTEM**

- 3.1 FIRE ALARM SYSTEM SHALL BE PROVIDED THROUGHOUT THE ENTIRE BUILDING IN ACCORDANCE WITH BS 5839-1 : 2017 AND FSD CIRCULAR LETTER 6/2021. ONE ACTUATING POINT AND ONE AUDIO WARNING DEVICE SHOULD BE LOCATED AT EACH HOSE REEL POINT. THE ACTUATION POINT SHOULD INCLUDE FACILITIES FOR HOSE REEL PUMP START AND AUDIO / VISUAL WARNING DEVICE INITIATION.

- 3.2 AN ADDRESSABLE TYPE FIRE ALARM PANEL TO BE PROVIDED AND LOCATED INSIDE PUMP ROOM

**4. EMERGENCY LIGHTING**

- 4.1 SUFFICIENT EMERGENCY LIGHTING SHALL BE PROVIDED THROUGHOUT THE ENTIRE BUILDINGS/STRUCTURES IN ACCORDANCE WITH BS 5266-1:2016 AND BS EN 1838:2013 AND FSD CIRCULAR LETTER 4/2021.

**5. EXIT SIGN**

- 5.1 SUFFICIENT DIRECTIONAL AND EXIT SIGN SHALL BE PROVIDED IN ACCORDANCE WITH BS 5266: PART 1 AND FSD CIRCULAR LETTER 5/2008.

**6. MISCELLANEOUS F.S. INSTALLATION**

- 6.1 PORTABLE FIRE EXTINGUISHERS WITH SPECIFIED TYPE AND CAPACITY TO BE PROVIDED AT LOCATION AS INDICATED ON PLANS.
- 6.2 NO EMERGENCY GENERATOR TO BE PROVIDED FOR SERVING THE EMERGENCY POWER. DUPLICATED POWER SUPPLIES FOR ALL FIRE SERVICES INSTALLATIONS COMPRISING A CABLE CONNECTED FROM ELECTRICITY MAINS DIRECTLY BEFORE THE MAIN SWITCH
- 6.3 WHEN A VENTILATION / AIR CONDITIONING CONTROL SYSTEM TO A BUILDING IS PROVIDED, IT SHALL STOP MECHANICALLY INDUCED AIR MOVEMENT WITHIN A DESIGNATED FIRE COMPARTMENT
- 6.4 NO DYNAMIC SMOKE EXTRACTION SYSTEM SHALL BE PROVIDED SINCE FIRE COMPARTMENT EXCEEDING 7000 CUBIC METRES AND THE AGGREGATE AREA OF OPENABLE WINDOWS OF THE RESPECTIVE COMPARTMENT EXCEEDS 6.25% OF THE FLOOR AREA OF THAT COMPARTMENT.

**COLOUR CODE**

PIPE SIZES	COLOUR	PIPE SIZES	COLOUR
$\phi 25\text{mm}$	LIGHT GREEN	$\phi 65\text{mm}$	BLUE
$\phi 32\text{mm}$	RED	$\phi 80\text{mm}$	GREEN
$\phi 40\text{mm}$	PURPLE	$\phi 100\text{mm}$	LIGHT BROWN
$\phi 50\text{mm}$	YELLOW	$\phi 150\text{mm}$	DEEP BROWN

**LEGEND (FOR LAYOUT PLAN)**

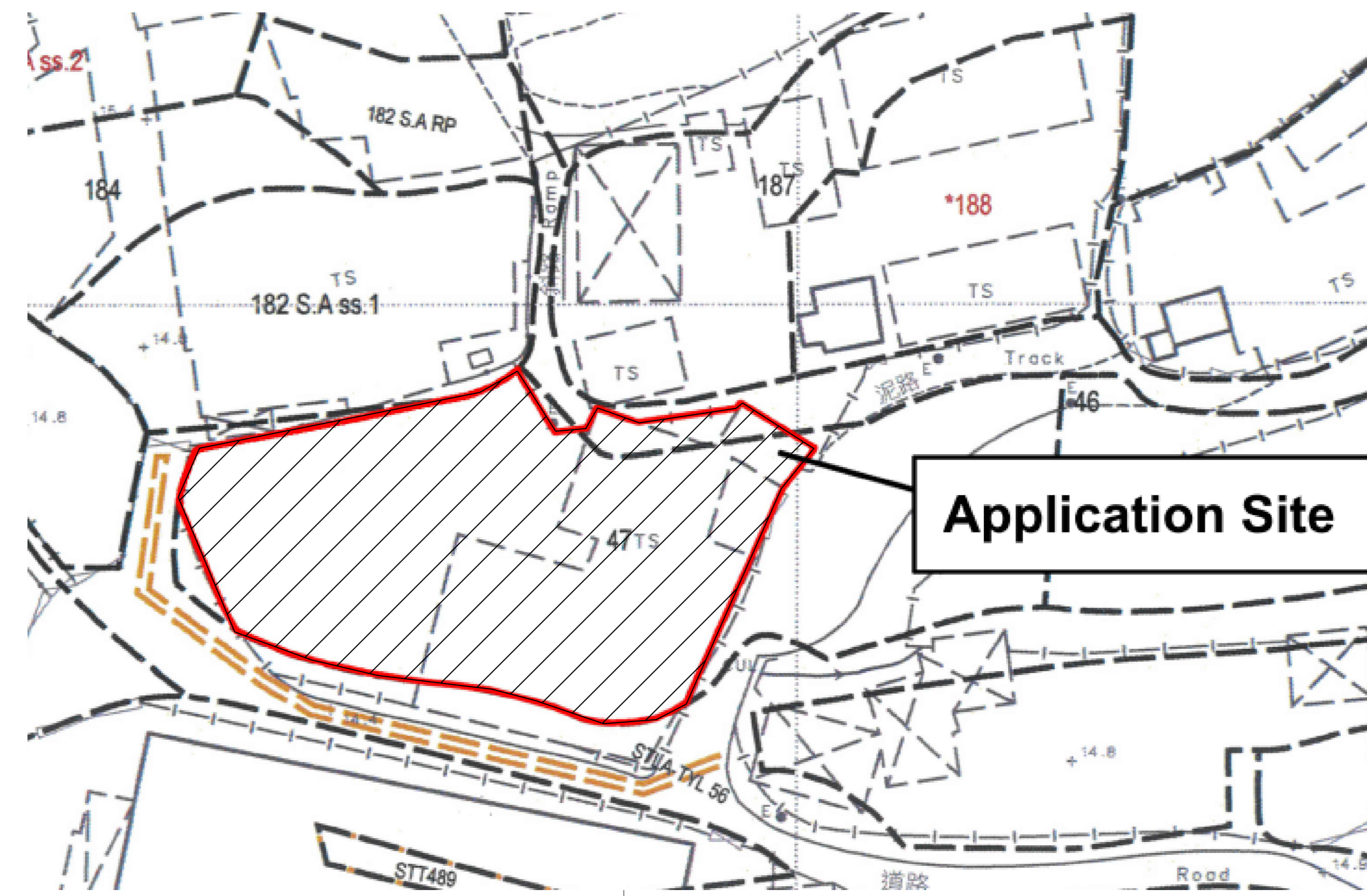
[H.R.]	HOSE REEL W/ LOCKABLE GLASS FRONTED NOZZLE BOX, STRIKER, C/W FIRE ALARM BELL & BREAK GLASS UNIT
[150mm]	150mm FIRE ALARM BELL
[B.G.U.]	BREAK GLASS UNIT
[S.H.]	SPRINKLER HEAD
[F.S.]	FLOW SWITCH
[M.G.V.]	MONITORED GATE VALVE
[S.C.V.S.]	SPRINKLER CONTROL VALVE SET
[G.V.]	GATE VALVE
[N.R.V.]	NON RETURN VALVE
[V.I.]	VORTEX INHIBITOR
[B.F.V.]	BALL FLOAT VALVE
[P.S.]	PRESSURE SWITCH
[S.H./H.R.P.]	SPRINKLER / HOSE REEL PIPE
[C.M.P.]	CHECK METER POSITION
[S.I.]	SPRINKLER / F.S. INLET
[F.E. CO2]	5Kg CO2 TYPE FIRE EXTINGUISHER
[P.]	PUMP
[150mm]	150mm WATER ALARM GONG
[A.F.A.]	ADDRESSABLE TYPE FIRE ALARM PANEL
[P.C.P.]	PUMP CONTROL PANEL
[E.L.]	EMERGENCY LIGHTING COMPLETE WITH 2 HOURS BATTERY BACK UP
[EXIT]	EXIST SIGN COMPLETE WITH 2 HOURS BATTERY BACK UP
[V.F.A.]	VISUAL FIRE ALARM

**ABBREVIATION**

SPR.	SPRINKLER
H.R.	HOSE REEL
F.E.	FIRE EXTINGUISHER
CO <sub>2</sub>	CARBON DIOXIDE
L.P.C.	LOSS PREVENTION COUNCIL
F.S.I.	FIRE SERVICES INSTALLATION
H/L	HIGH LEVEL
M/L	MID LEVEL
L/L	LOW LEVEL
F/A	FROM ABOVE
F/B	FROM BELOW
T/A	TO ABOVE
T/B	TO BELOW
U/G	UNDERGROUND
F.S.	FIRE SERVICES

**DRAWING LIST**

DRAWING NO	DESCRIPTION
FS-DD128-L0T47-FSP-01	FS NOTES, LEGEND, ABBREVIATIONS AND DRAWING LIST
FS-DD128-L0T47-FSP-02	FIRE SERVICES PROVISION PLAN FOR RECYCLABLE COLLECTION CENTRE



**LOT 47(PART) IN D.D. 128,  
YUEN LONG**

**BLOCK PLAN (N.T.S)**

0	04/26	SUBMISSION TO PLAN. DEPT.	-
REV.	DATE	DESCRIPTION	DRAWN
PROJECT			
TEMPORARY RECYCLABLE COLLECTION CENTRE (ELECTRONIC PARTS) FOR A PERIOD OF 3 YEARS AT LOT 47(PART) IN D.D.128 AND ADJOINING GOVERNMENT LAND, HA TSUEN, YUEN LONG, NEW TERRITORIES			
TITLE			
FS NOTES, LEGEND, ABBREVIATIONS AND DRAWING LIST			
DRAWING NO.			
FS-DD128-L0T47-FSP-01			
SCALE			
N. T. S.			
DATE	APR. 2026	REVISION	REV. 0
R.F.S.I.C.			
MAN LICK ENGINEERING AND TRADING CO. LTD.			
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SUMMARY OF STRUCTURE CONTENT:

NO.	STRUCTURE CONTENT:	HEIGHT: (M)	AREA: (M <sup>2</sup> )	STOREY (NO)	VOLUME: (M <sup>3</sup> )
1	RECYCLABLE COLLECTION CENTRE	9	900	1	8100

**Structure 1**  
 Recyclable Collection Centre (Electronic Parts)  
 GFA: 900m<sup>2</sup> (ABOUT)  
 No. of storey: 1  
 Height: Not exceeding 9m

1 loading/unloading space of 7m x 3.5m for light goods vehicle



**FS LAYOUT PLAN**

REV.	DATE	DESCRIPTION	DRAWN
0	04/26	SUBMISSION TO PLAN. DEPT.	-

PROJECT  
 TEMPORARY RECYCLABLE COLLECTION CENTRE (ELECTRONIC PARTS) FOR A PERIOD OF 3 YEARS AT LOT 47(PART) IN D.D.128 AND ADJOINING GOVERNMENT LAND, HA TSUEN, YUEN LONG, NEW TERRITORIES


TITLE  
 FIRE SERVICES PROVISION PLAN FOR RECYCLABLE COLLECTION CENTRE

DRAWING NO.  
 FS-DD128-LOT47-FSP-02

SCALE  
 1:100 @ A0

DATE	REVISION
APR. 2026	REV. 0

R.F.S.I.C.

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