FIRE SERVICES NOT	<u>ES</u>			LEC	GEND:	
. HOSE REEL SYSTEM				0 6	68°C SPRINKLE	R UNDER CEILING
.1MODIFIED HOSE REEL SYSTEM S	SHALL BE PROVIDED IN ACCORDANCE WITH THE CODE OF PRAC	TICE FOR MIN. FIRE SERVICE INSTALLATION	NS AND EQUIPMENT 2022.		GATE VALVE (N	NORMAL OPEN)
	DED AT POSITIONS OF THE WAREHOUSE, HOSE REEL LOCATION FIED HOSE REEL SYSTEM TO BE SINGLE END FEED FROM THE GO			F	FLOW SWITCH	,
	TEM OF 2,000 LITRES WATER TANK TO BE PROVIDED AS INDICATE			P	PRESSURE SW	/ITCH
	E DUTY & ONE STANDBY) SHALL TO BE PROVIDED AT FS PUMP RC BE PROVIDED FOR THE MODIFIED HOSE REEL SYSTEM.	DOM.		P	PRESSURE GA	UGE C/W COCK
.6 SUFFICIENT HOSE REELS SH	ALL BE PROVIDED TO THE PREMISES. HOSE REELS SHALL BE PR 30 M OF HOSE REEL TUBING. ONE ACTUATING POINT AND ONE A				GATE VALVE (N	,
2. SPRINKLER SYSTEM				FM	DIRECT READIN	NG FLOW METER
2.1 AUTOMATIC SPRINKLER SYS	TEM SHALL SUPPLIED BY A 135,000L UNDERGROUND SPRINKLER CORPORATING BS EN12845 : 2015 AND FSD CIRCULAR LETTER 5/			-184-	PRESSURE RE	LIEF VALVE
.2 ALL INSTALLED SPRINKLER S	GROUP SHALL BE AS INDICATED ON PLANS. HOULD BE CONVENTIONAL TYPE AND THE TEMPERATURE RATIN OULD BE Ø32MM UNLESS SPECIFY.	NG OF SPRINKLER HEAD SHALL BE 68°C UNI	LESS OTHERWISE SPECIFIED.	¤	FLASHING LAM	P
	OULD DE Ø32MM UNLESS SPECIFT.			(F.E) PD	5KG CO2 F.E.	
6/2021. ONE ACTUATING POINT AN	BE PROVIDED THROUGHOUT THE ENTIRE COVERED AREA OF WA D ONE AUDIO WARNING DEVICE SHOULD BE LOCATED AT EACH			(F.E) DP	4KG DRY POW	VER F.E.
	IO / VISUAL WARNING DEVICE INITIATION. E ALARM PANEL TO BE PROVIDED AND LOCATED IN S2 FS PUMP R	OOM ON G/F.		-1ø1-	BUTTERFLY VAI MICRO-SWITCH	
4. EMERGENCY LIGHTING				-1, # 1-	BUTTERFLY VAI MICRO-SWITCH	
CIRCULAR LETTER NO. 4/2021 WILL	RGENCY LIGHTING SYSTEM COMPLYING WITH H.K.F.S.D.'S COD BE PROVIDED, AND PERMANENTLY MAINTAINED IN EFFECTIVE V	VORKING ORDER FROM NORMAL SUPPLY &	TO BE PROVIDED.		STOP VALVE W MICRO-SWITCH	WITH MONITORING H (N.O.)
4.2 EMERGENCY LIGHTING SHAL	L BE PROVIDED THROUGHOUT THOSE WAREHOUSES AND ALL E	XIT ROUTES LEADING TO EXIT OF BUILDING		M	STOP VALVE W MICRO-SWITCH	NITH MONITORING H (N.C.)
ENSURE THAT ALL EXIT ROUTES FI	D TYPE DIRECTIONAL AND EXIT SIGNS SHALL BE PROVIDED IN AC ROM ANYWHERE WITHIN THOSE WAREHOUSES ARE CLEARLY IN			Ą	Y-STRAINER	
BUILDING.				$\top \top$	WATER TANK	ACCESS
 EMERGENCY GENERATOR NO EMERGENCY GENERATO 	R TO BE PROVIDED FOR SERVING THE EMERGENCY POWER.	A.C. SUPPLY SOURCE WITH SECONDARY	SUPPLY SHALL FEED BEFORE MAIN	Ŷ	FLOAT TYPE	LEVEL SWITCH
SWITCH.	ES FOR ALL FIRE SERVICES INSTALLATIONS COMPRISING A CAB			$\ \ \cap$	AIR VENT PI	IPE
7 PORTABLE HAND-OPERATED	APPROVED APPLIANCE			₫ ⊗	VORTEX INHI	IBITOR
	ECIFIED TYPE AND CAPACITY TO BE PROVIDED AT LOCATIONS A PROVIDED TO EVERY LAEVEL OF STRUCTURE S3.	S INDICATED ON PLANS.		AAV X	AUTOMATIC A	AIR VENT
8 STATIC OR DYNAMIC SMOKE	EXTRACTION SYSTEM					
8.1 SMOKE EXTRACTION SYSTEM OF THE FLOOR AREA OF THOSE CC	I SHALL NOT BE PROVIDED AS THE AGGREGATE AREA OF OPEN/ MPARTMENT,	ABLE WINDOWS OF THE COMPARTMENT P	ROVIDED SHALL BE MORE THAN 6.25%		REVIATION	
9 VENTILATION/AIR CONDITION 9.1 WHEN A VENTILATION/ AIR CO FIRE COMPARTMENT.	ING CONTROL SYSTEM ONDITIONING CONTROL SYSTEM TO A BUILDING IS PROVIDED, I'	F SHALL STOP MECHANICALLY INDUCED A	IR MOVEMENT WITHIN A DESIGNATED	SPR. F.H. H.R. F.E. CO2 L.P.C	FIRE HYD HOSE RE FIRE EXT CARBON C. LOSS PR	DRANT EEL TINGUISHER DIOXIDE REVENTION COUNCI
TYPE OF STORAGE METHOD FOR T	HOSE WAREHOUSES ARE AS FOLLOWS:			F.S.I. H/L		RVICES INSTALLATI VEL
i) STORAGE CATEGORY : CATEGORY	ORY (III)			M/L		
ii) STORAGE HEIGHT : NOT EXCER	EDING 2.1M			L/L	LOW LEV	
iii) STORAGE : ST1				F/A	FROM A	
				F/B	FROM BE	
				т/а т/в	TO BELC	_
				U/G	UNDERG	ROUND
PIPEWORK SCHEDULE				F.S.	FIRE SEF	IVIUES
SYSTEM SIZE				DRAV	WING LIST	
F.S. SYSTEM & PIPES UP TO SPRINKLER SYSTEM AND INCLUDING Ø24	GALVANISED MILD STEEL PIPE OF MEDIUM GRADE TO BSEN 10255:2004 (EQUIVALENT TO BS1387)	SCREW JOINT / FLANGE JOINT/ GROOVED JOINT /		DRAW	<u>/ING NO</u>	DESCRIPTION
ABOVEGROUND				DD12	29-FS01	FS NOTES, LEG DRAWING LIST
NCOMING PIPES PIPES UP TO Ø100 FROM GOVERNMENT	GALVANISED MILD STEEL PIPE OF MEDIUM GRADE TO BSEN 10255:2004 (EQUIVALENT TO B51387)	SCREW JOINT / FLANGE JOINT/		DD12	29-FS02-1	FIRE SERVICES
MAINS TO WATER TANK				DD12	9-FS02-2	FIRE SERVICES

₩	GATE VALVE (NORMAL CLOSED)
-≮	NON-RETURN VALVE
	GATE VALVE C/W PLUGGED OFF (N
-1///-	FLEXIBLE CONNECTOR
>	SPRINKLER INLET
Ds	SPRINKLER WATER MOTOR ALARM
	W.S.D CHECK METER ASSEMBLY
々	SPRINKLER CONTROL
\oplus	Y TYPE STRAINER
\square	SUBMERSIBLE PUMP PANEL
AFA	FS CONTROL PANEL
]	HOSE REEL (SCHEMATIC)
(H.R	HOSE REEL (LAYOUT)
	BALL FLOAT VALVE
\bigcirc	PUMP SET
\square	0.5m ³ SPRINKLER GRP. PRIMING TANK
\square	2m ³ F.S GRP. TANK (FOR HOSE REEL SYSTEM)
EXIT	EXIT SIGN C/W 2 HRS SELF MAINTAINED TYP EMERGENCY POWER PACK

 $\stackrel{\circ\circ}{\square}$

	GENCY 2 HRS GENCY		AINED K	TYP

COLOUR CODE

PIPE SIZES	COLOUR
ø25mm	LIGHT GREEN
ø32mm	RED
ø40mm	PURPLE
ø50mm	YELLOW
ø65mm	BLUE
ø80mm	GREEN
ø100mm	LIGHT BROWN
ø150mm	DEEP BROWN

DRAWING LIST	
DRAWING NO	DESCRIPTION
DD129-FS01	FS NOTES, LEGEND, ABBREVIATIONS AND DRAWING LIST
DD129-FS02-1	FIRE SERVICES INSTALLATION LAYOUT PLAN (PART 1 OF 2)
DD129-FS02-2	FIRE SERVICES INSTALLATION LAYOUT PLAN (PART 2 OF 2)
DD129-FS03	SCHEMATIC DIAGRAM FOR HOSE REEL SYSTEM
DD129-FS04	SCHEMATIC DIAGRAM FOR SPRINKLER SYSTEM
DD129-FS05	OPENABLE WINDOW AREA CALCULATION

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REV

FSI CONTRACTOR

TPB RESUBMISSION

TPB SUBMISSION

DESCRIPTION

06-11-2024

07-09-2024

DATE

ΗY

ΗY

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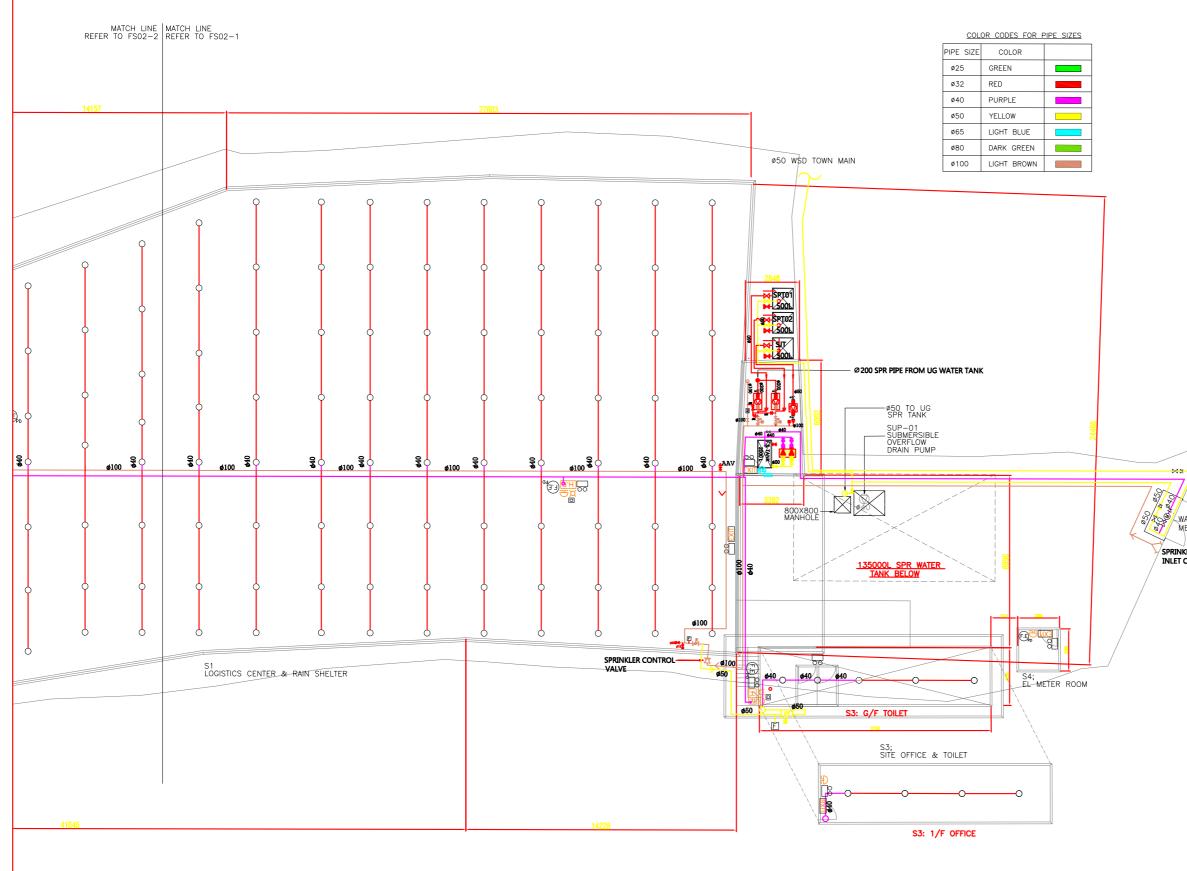
PROPOSED TEMPORARY LOGISTICS CENTRE FOR A PERIOD OF 3 YEARS AT LOTS 2438 S.A. RP (Part), 2455 S.B ss.1 S.C (Part), 2455 S.B ss.1 RP (Part), 2958(Part), 2961 S.A ss.1 (Part), 2961 S.A RP (Part), 2961 RP (Part) in D.D. 129, Ha Tsuen, Yuen Long, N.T.

East Power Engineering Limited

DRAWING TITLE

FS NOTES, LEGEND, ABBREVIATIONS AND DRAWING LIST

	INITIAL	DESIGNATION	DATE		
DRAWN BY	HY	Eng.T	07-09-2024		
DESIGNED BY	HY	Eng.T	07-09-2024		
CHECKED BY	СМ	PM	07-09-2024		
APPROVED BY	-	_	-		
PROJECT NO.	DD129				
PAPER SIZE	A1				
DRAWING NO.	•				
DD129-FS01	DD129-FS01				
SCALE	N. T. S.	REVISION	1		



FIRE SERVIC Part 1 of 2		ATION LAYO	UT PLAN		
	INITIAL	DESIGNATION	DATE		
DRAWN BY	HY	Eng.T	07-09-2024		
DESIGNED BY	HY	Eng.T	07-09-2024		
CHECKED BY	СМ	PM	07-09-2024		
APPROVED BY	-	-	-		
PROJECT NO.	DD129				
PAPER SIZE	A1				
DRAWING NO.					
DD129-FS02-1					
SCALE	1:200	REVISION	1		



WATER CHECK

SPRINKLER INLET CABINET

PROJECT

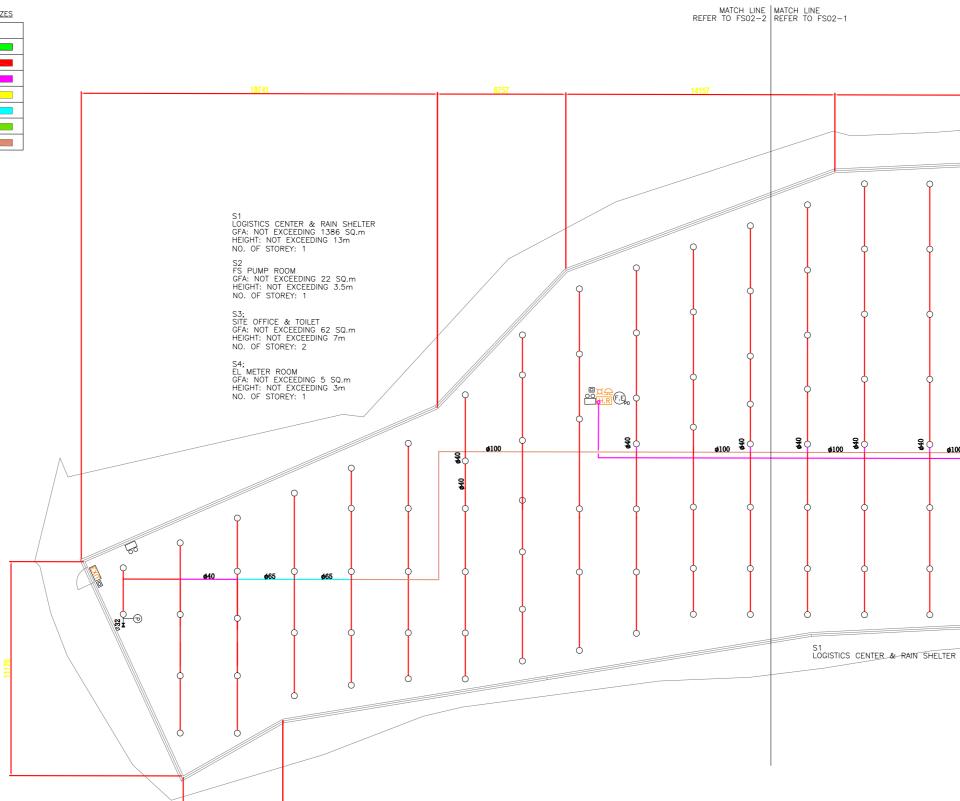
PROPOSED TEMPORARY LOGISTICS CENTRE FOR A PERIOD OF 3 YEARS AT LOTS 2438 S.A. RP (Part), 2455 S.B ss.1 S.C (Part), 2455 S.B ss.1 RP (Part), 2958(Part), 2961 S.A ss.1 (Part), 2961 S.A RP (Part), 2961 RP (Part) in D.D. 129, Ha Tsuen, Yuen Long, N.T.



East Power Engineering Limited

1	TPB RESUBMISSION
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REV	DESCRIPTION

1	TPB RESUBMISSION	06-11-2024	ΗY
0	TPB SUBMISSION	07-09-2024	ΗY
REV	DESCRIPTION	DATE	BY



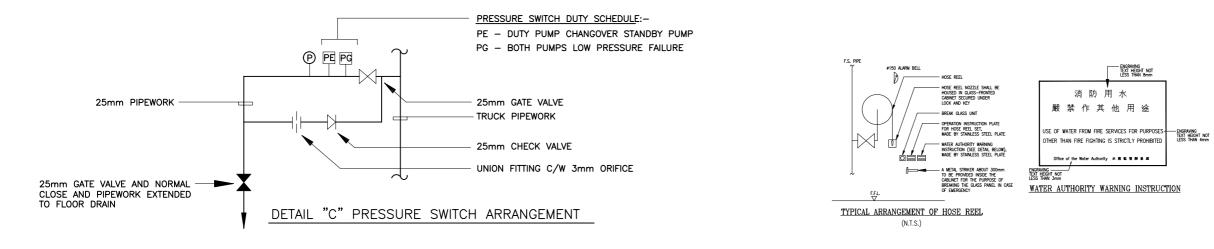
COLOR CODES FOR PIPE SIZES

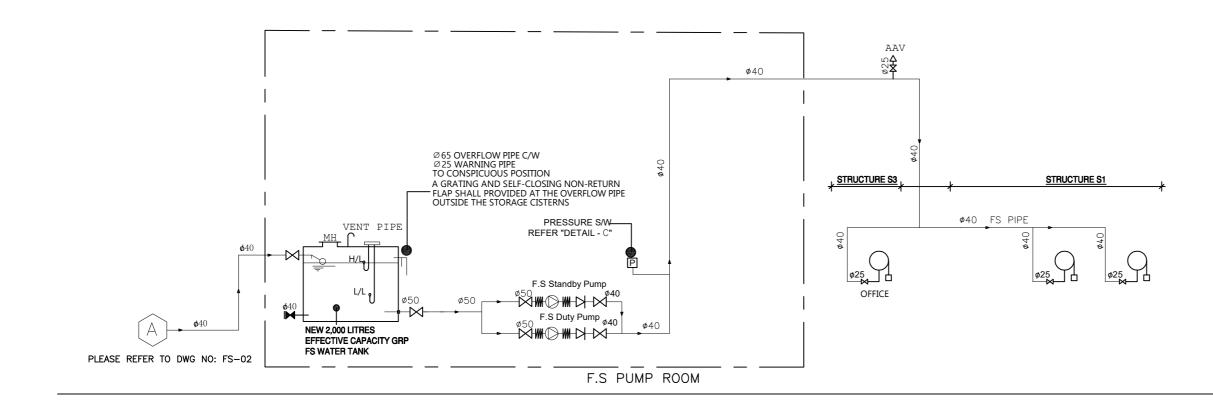
PIPE SIZE	COLOR	
ø25	GREEN	
ø32	RED	The second s
ø40	PURPLE	
ø50	YELLOW	
Ø65	LIGHT BLUE	
ø80	DARK GREEN	
ø100	LIGHT BROWN	· · · · · · · · · · · · · · · · · · ·

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	PROPOS CENTRE AT LOTS ss.1 S.C (2958(Part	ED TEMP(FOR A PE 2438 S.A. (Part), 2455 t), 2961 S./ Part), 2961	RIOD OF 3 RP (Part), 5 S.B ss.1 A ss.1 (Par	3 YEARS 2455 S.B RP (Part), t), 2961
R	129, Ha T	ces install	n Long, N.	Г.
		INITIAL	DESIGNATION	DATE
	DRAWN BY	HY	Eng.T	07-09-2024
	DESIGNED BY	HY	Eng.T	07-09-2024
	CHECKED BY	СМ	PM	07-09-2024
	APPROVED BY	-	-	_
	PROJECT NO.	DD129		
	PAPER SIZE	A1		1:200
	DRAWING NO.	0		
	DD129-FS02- SCALE	2 1:200	REVISION	1
	JUALE	1.200		

FIRE SERVICES PUMP'S SCHEDULE:-

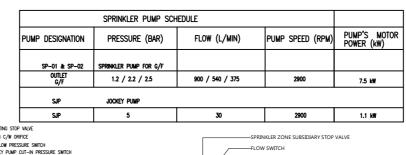
TYPE OF PUMP	PUMP'S DESIGNATION	RUNNING PRESSURE (m HEAD)	FLOW RATE (L / s)	PUMP'S MOTOR POWER (kW)	
FIXED FIRE PUMP	FSP-1 (DUTY PUMP)	82m Head	3 L/s	4 kW	
	FSP-2 (STANDBY PUMP)	82m Head	3 L/s	4 kW	

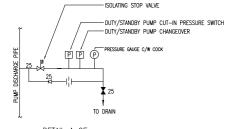


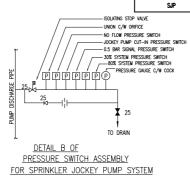


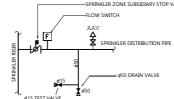
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	East	Po	ower End	ginee	ring	Lin	nited
	East Power Engineering Limited						
	PROJECT PROPOSED TEMPORARY LOGISTICS CENTRE FOR A PERIOD OF 3 YEARS AT LOTS 2438 S.A. RP (Part), 2455 S.B ss.1 S.C (Part), 2455 S.B ss.1 RP (Part), 2958(Part), 2961 S.A ss.1 (Part), 2961 S.A RP (Part), 2961 RP (Part) in D.D. 129, Ha Tsuen, Yuen Long, N.T.						
	DRAWING	TITLE					
	SCHEMATIC DIAGRAM FOR HOSE REEL SYSTEM						
			INITIAL	DESIGN	IATION	D	ATE
	DRAWN	BY	HY	Enç	g.T	07–0	9–2024
	DESIGNE		HY	Enç	g.T		9–2024
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-	PROJECT		DD129				
	PAPER SIZE A1 DRAWING NO.						
	DRAWING						
	SCALE		N. T. S.	REVISIO	N		1
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PUMP DESIGNATION	PRESSURE (BAR)	FLOW (L/MIN)	PUMP SPEED (RPM)	PUMP'S MOTOR POWER (kW)
SUP-01	Sprinkler pump for UG/F			
OUTLET G/F	0.5	30	2900	0.75 kW

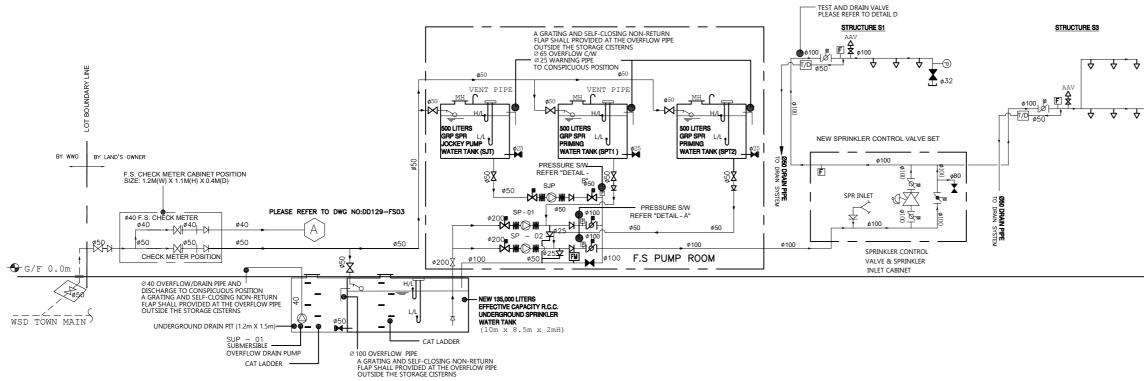




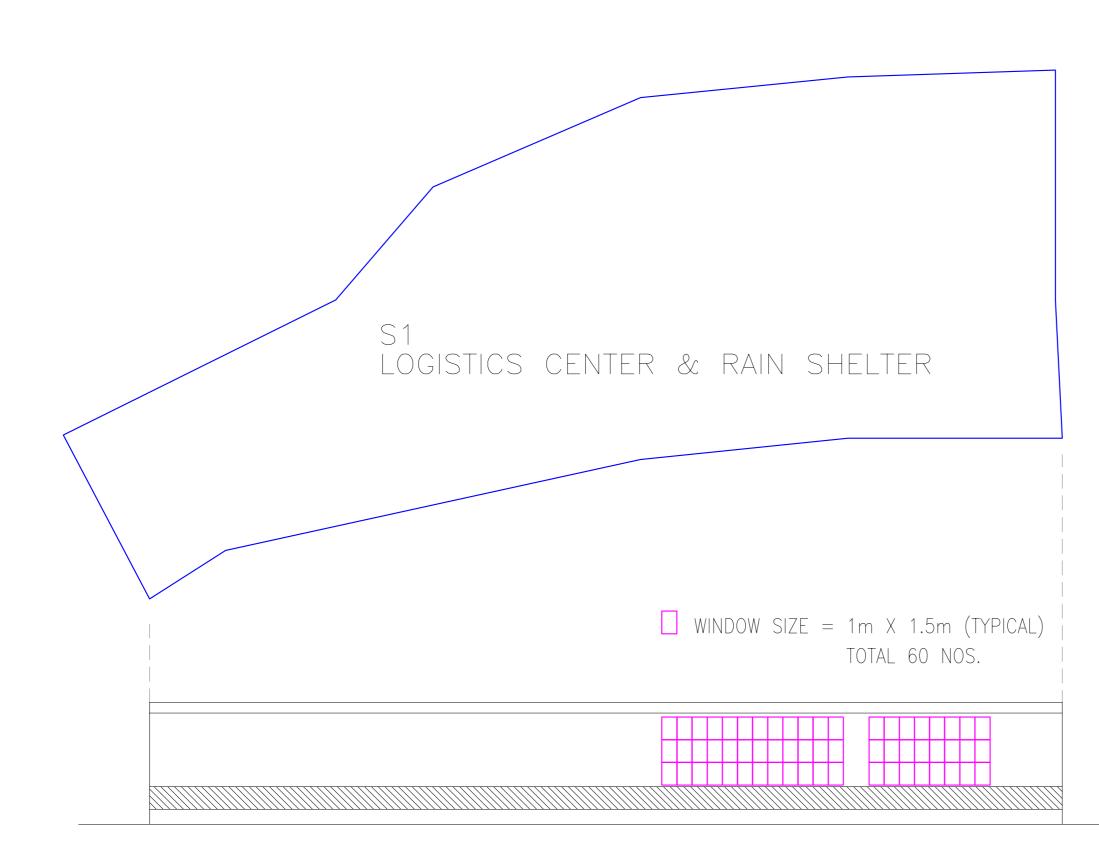




TYPICAL DETAIL D OF TEST AND DRAIN VALVE ASSEMBLY



1 1	PR P	RESUBMISSION		06-11-	-2024	HY			
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	Ŋ								
PROJECT									
		ED TEMPO							
		FOR A PE							
AT LO	C (2438 S.A. Part), 245	6 S B	Paπ), ss 1	245 RP (5 S.B Part)			
2958(F	Part	t), 2961 S.	A ss.1	l (Par	t), 29	961			
		Part), 2961				D.			
129, Ha Tsuen, Yuen Long, N.T.									
DRAWING 1	DRAWING TITLE								
	SCHEMATIC DIAGRAM FOR SPRINKLER SYSTEM								
	INITIAL DESIGNATION DATE								
DRAWN BY	,	HY	Ene			9-2024			
DESIGNED	DESIGNED BY HY			Eng.T		9–2024			
CHECKED			-		9–2024				
APPROVED	BY				-				
PROJECT I	NO.	DD129							
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DRAWING NO.									
DD129-FS	604								
SCALE		N. T. S.	REVISIO	N	1				



OPENABLE WI	NDOW AREA CA	ALCULATION U	INDER F.S.D.	REQUIREMENT	FOR COMPARTMENT	EXCEEDING	7000 m²
LOCATION	USABLE FL. AREA (m²)	OPENABLE WINDOW (m²)	AREA REQUIRED	OPENABLE W	INDOW AREA PROVIDED (m²)		
STRUCTURE S1	1292	1292 X 6.25% =	80.75	1 M X 1.5M	$= 1.5M^2 \times 60 = 90 M^2$	TOTAL	= 90 > 80.75

	RESUBMISSION	06-11			
	SUBMISSION		7-09-2024 HY DATE BY		
FSI CONTRAC		DA			
	ower Eng	gineering	Limited		
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PROJECT					
	SED TEMP(E FOR A PE				
AT LOT	5 2438 S.A.	RP (Part),	2455 S.B		
	(Part), 245 rt), 2961 S./				
S.A RP (Part), 2961	RP (Part)	in D.D.		
	Tsuen, Yue	n Long, N.	Ι.		
DRAWING TITL	uindow ar	FA CALCULA	TION		
	INITIAL	DESIGNATION	DATE		
DRAWN BY	HY	Eng.T	07-09-2024		
DESIGNED BY		Eng.T	07-09-2024		
CHECKED BY	СМ				
APPROVED B	-	-			
PROJECT NO.	DD129				
PAPER SIZE	A1				
DRAWING NO.					
DD129-FS05					
SCALE	1:250	REVISION	1		

