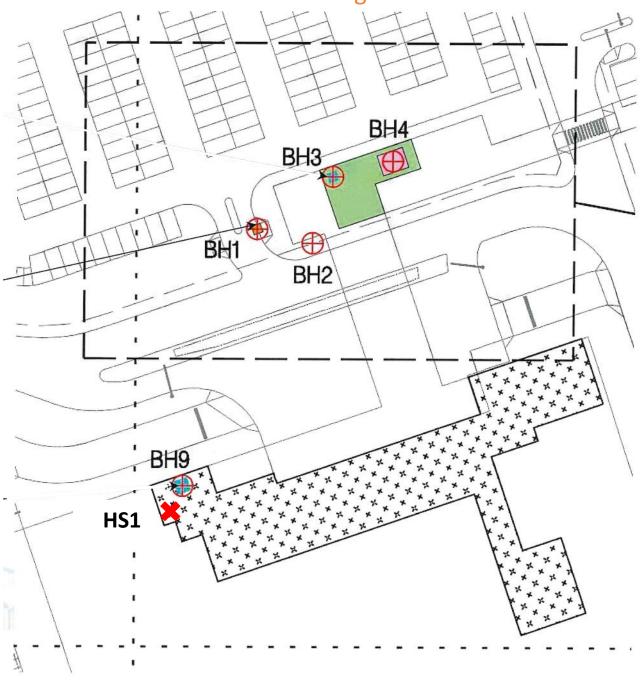
E. Schematic Drawing of Facilities in T2 **Building**

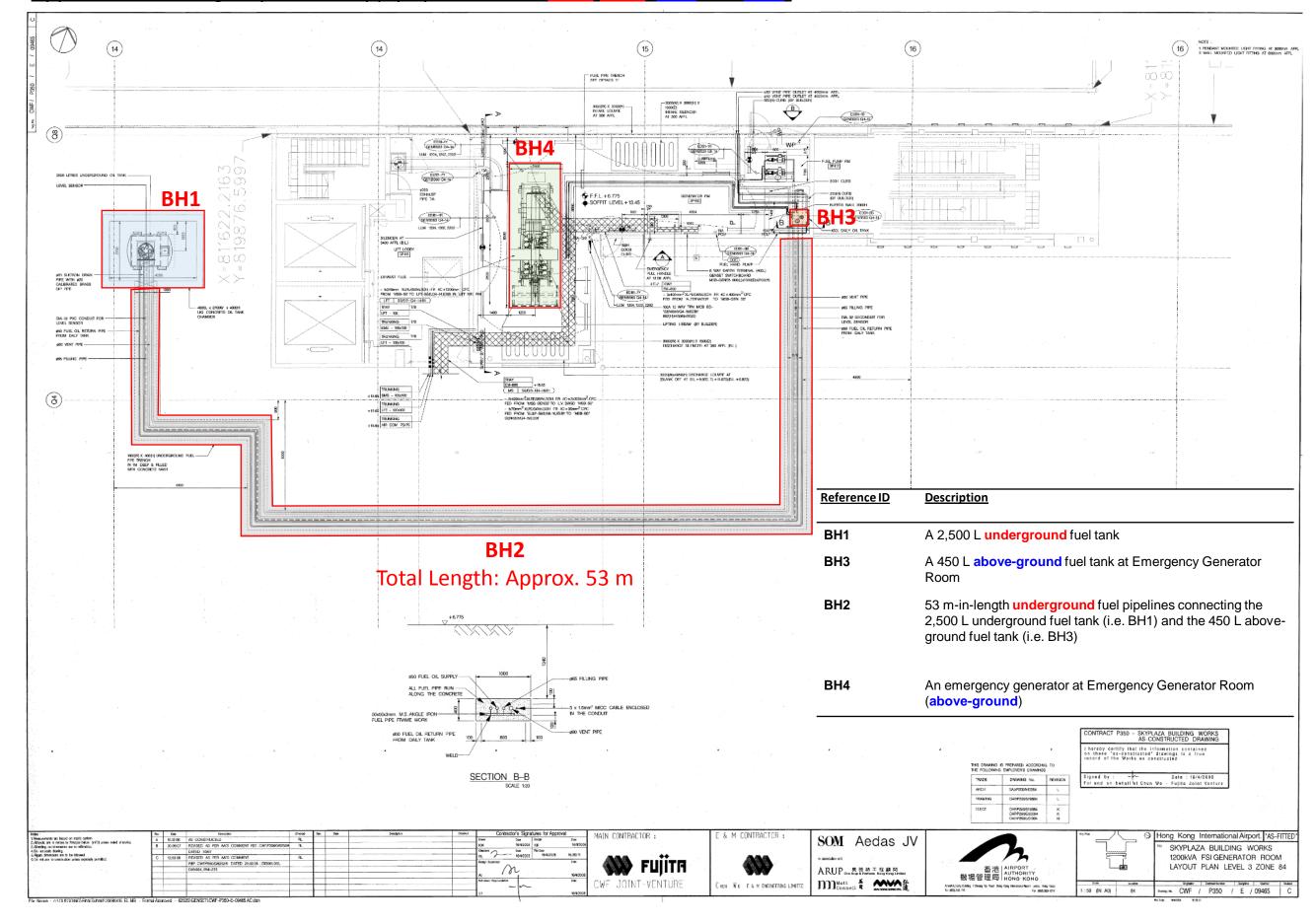
- E.1 **Emergency Power Supply System No.1**
- **Emergency Power Supply System No.2 E.2**
- **E.3 Emergency Power Supply System No.3**
- **Emergency Power Supply System No.4 E.4**
- **E.5 Emergency Power Supply System No.5**

Northern Section of T2 Building

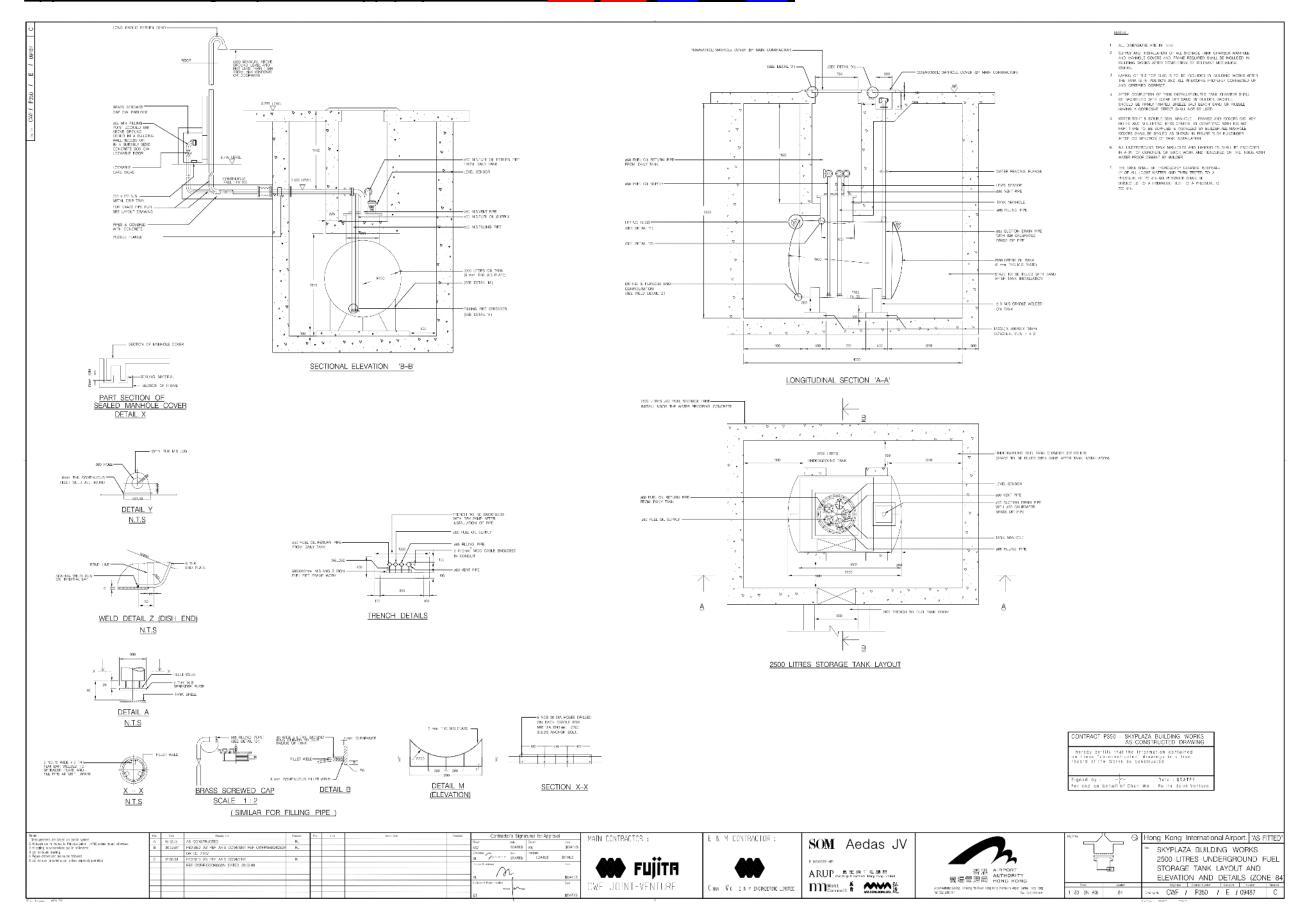


Reference ID	Description
<u>Neierence ib</u>	<u>Description</u>
BH1	A 2,500 L underground fuel tank
ВН3	A 450 L above-ground fuel tank at Emergency Generator Room
BH2	53 m-in-length underground fuel pipelines connecting the 2,500 L underground fuel tank (i.e. BH1) and the 450 L above-ground fuel tank (i.e. BH3)
BH4	An emergency generator at Emergency Generator Room (above-ground)

Appendix E.1 Emergency Power Supply System No. 1 (BH 1, BH2, BH3 and BH4)



Appendix E.1 Emergency Power Supply System No. 1 (BH 1, BH2, BH3 and BH4)

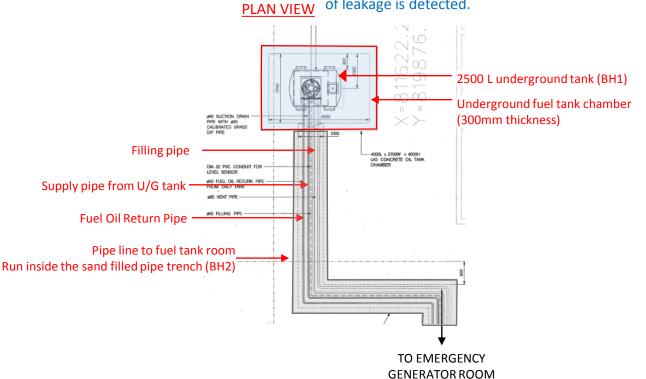


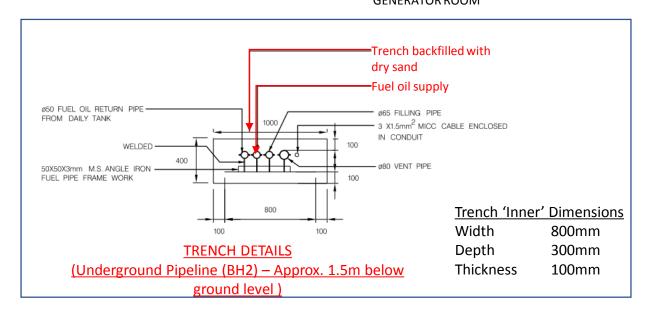
Appendix E.1 Emergency Power Supply System No. 1 Details of **BH1** (2,500 L **Underground** Fuel Tank) & **BH2** (**Underground** Fuel Pipeline)

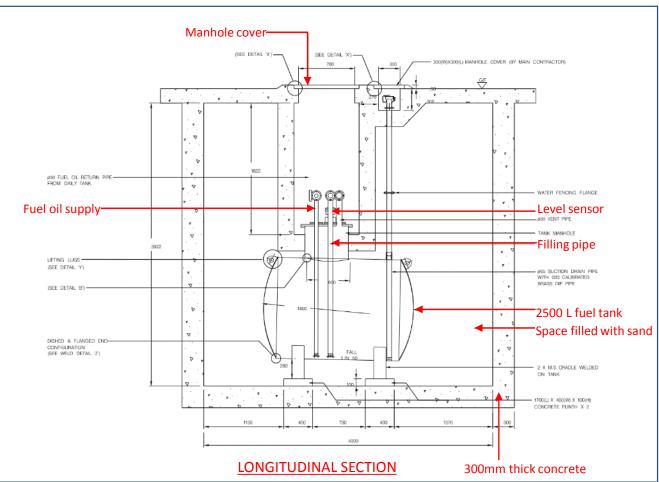


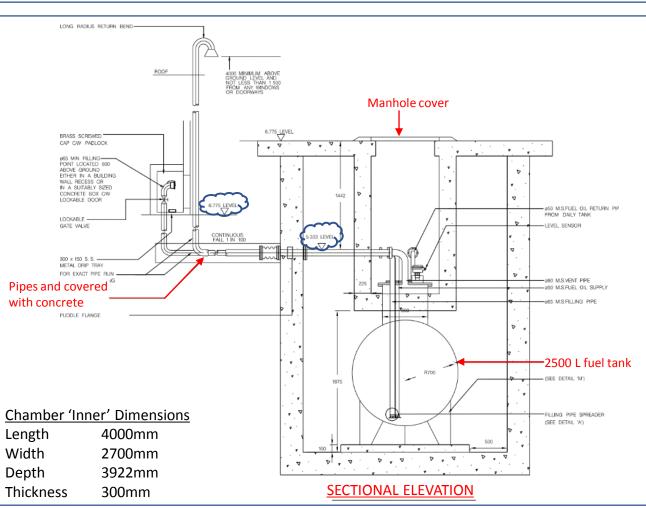
Notes

- Underground fuel tank fully encased in 300mm thick concrete chamber
- Space between the tank and the chamber is filled with sand
- Test run of emergency generator conducted monthly (for 30-60 mins)
- Manhole chamber of U/G tank is checked monthly and re-filled approx. every 6 months
- The quantity of fuel inside the tank is automatically monitored by level sensor. No sign of leakage is detected.









Appendix E.1 Emergency Power Supply System No. 1

Details of BH3 (450 L Above-ground Fuel Tank) & BH4 (Above-ground Emergency Generator)



Fuel pump room



450 L fuel tank (BH3)



Fuel pipes within the fuel tank chamber (leading to generator BH4)



Metal drip tray and concrete curb surrounding fuel tank

PLAN VIEW Emergency Generator (BH4) Fuel pump room (Mounted on 200mm-thick concrete plinth) INTAKE SILENCER AT 300 AFFL 450 L Fuel Tank (BH3) F.F.L. + 6.775 SOFFIT LEVEL + 13 45 4-14 EDB1-3B GENBS63 Q4-14 WAY EARTH TERMINAL (400L) GENSET SWITCHBOARD 100A 12 WAY TPN MCB BD-LIFTING I-BEAM (BY BUILDER) Sand Filled Trench (BH2) (1.5m below ground level)

Supply and return pipe from fuel oil tank (Sand Filled Trench at floor level)

Notes

• Both the fuel tank and generator mounted on intact concrete floor with no any oil stain.

SPACE TO BE FILLED WITH SAND (BY BUILDER) AFTER PIPES FIXING FROM 2500 L U/G FUEL TANK

- Fuel tank with metal drip tray and surrounded by concrete curb
- Fuel pipes inside sand filled concrete trench
- Test run of emergency generator conducted monthly (for 30-60 mins)
- Fuel tank is checked monthly and re-filled approx. every 6 months. No fuel leakage was recorded.



Fuel pipes to/from 450L fuel tank and the generator

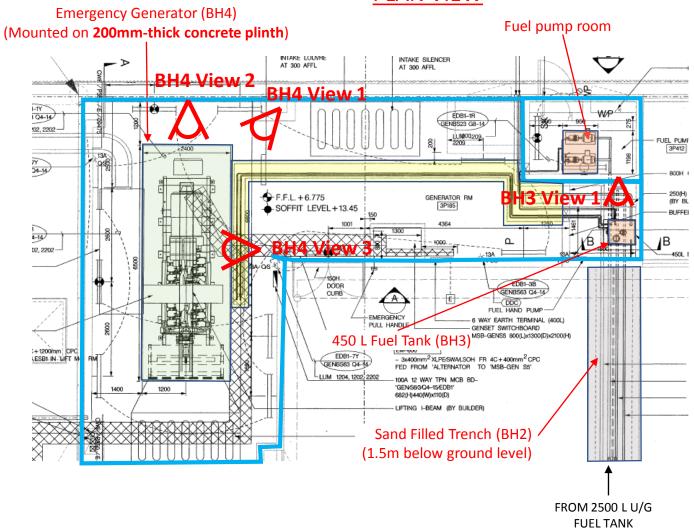


Sand filled trench containing fuel pipes (outside the fuel tank chamber)

Appendix E.1 Emergency Power Supply System No. 1

Details of BH3 (450 L Above-ground Fuel Tank) & BH4 (Above-ground Emergency Generator)

PLAN VIEW





BH3 View 1 – concrete floor condition underneath 450 L fuel tank



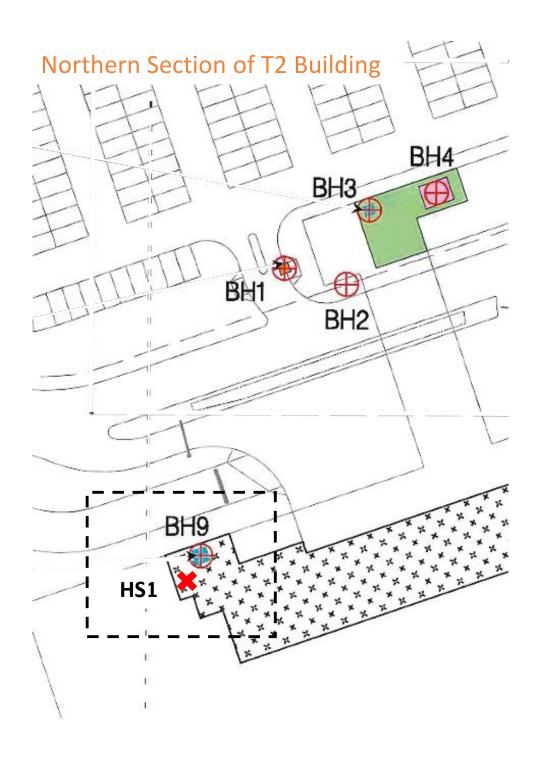
BH4 View 1 - Emergency Generator (BH4) (Mounted on **200mm-thick concrete plinth**)



BH4 View 2 - concrete floor condition underneath Emergency Generator

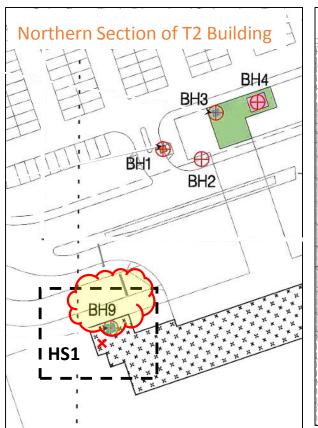


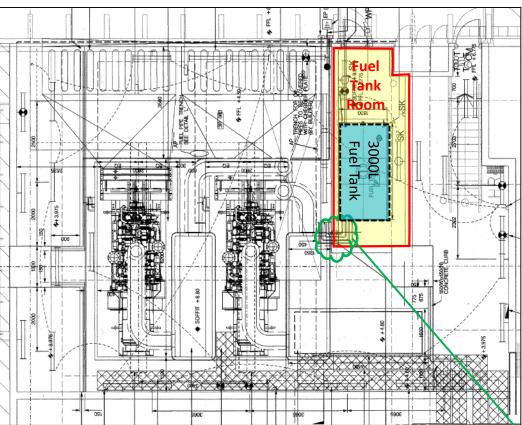
BH4 View 3 - concrete floor condition underneath Emergency Generator



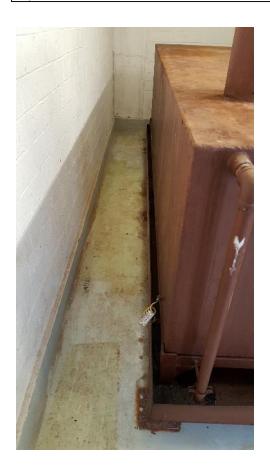
Reference ID	<u>Description</u>
BH9	A 3,000 L above-ground fuel tank at Fuel
БПЭ	Tank Room
HS1	Two emergency generators at Emergency Generator Room, connected to 3,000 L above-ground fuel tank (i.e. BH9) (above-ground)

Appendix E.2 Emergency Power Supply System No. 2 Details of **BH9** (3000L **Above-ground** Fuel Tank inside T2)





Reference ID	<u>Description</u>
ВН9	A 3,000 L above-ground fuel tank at Fuel Tank Room
HS1	Two above-ground emergency generators at Emergency Generator Room, connected to 3,000 L above-ground fuel tank (i.e. BH9)



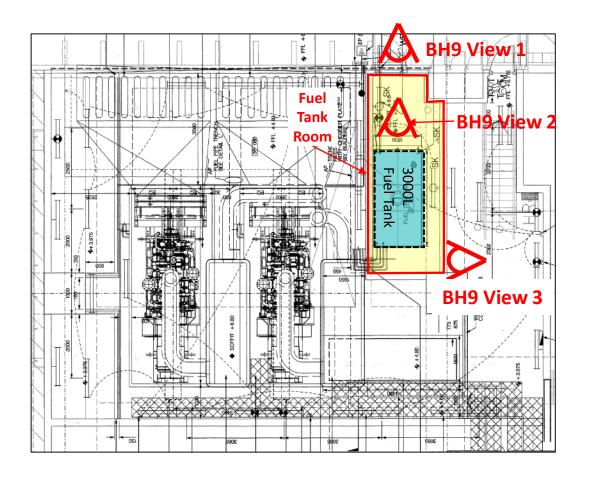


3000 L fuel tank with metal drip tray



Fuel pipes penetrating the wall and connect to the generators at lower floor

Appendix E.2 Emergency Power Supply System No. 2 Details of **BH9** (3000L **Above-ground** Fuel Tank inside T2)

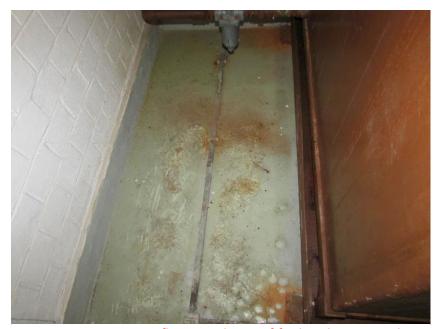




BH9 View 1 - 3000L Above-ground Fuel Tank (BH9)



BH9 View 2 - concrete floor condition underneath 3000L Above-ground Fuel Tank

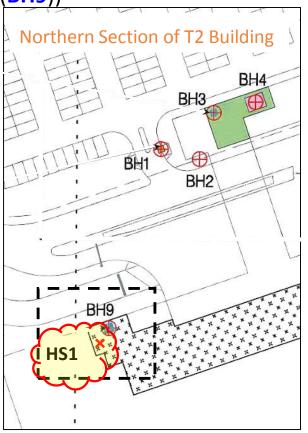


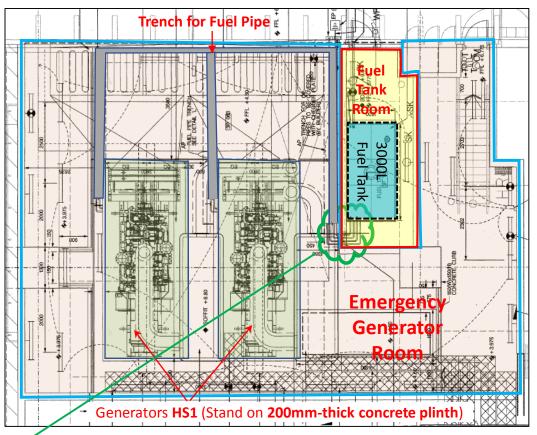
BH9 View 3 - concrete floor condition of fuel tank room with 3000L Above-ground Fuel Tank

Appendix E.2 Emergency Power Supply System No. 2

Details of HS1 (2 Newly identified above-ground Emergency generators connected with 3,000 L Above-ground Fuel Tank inside

(BH9))

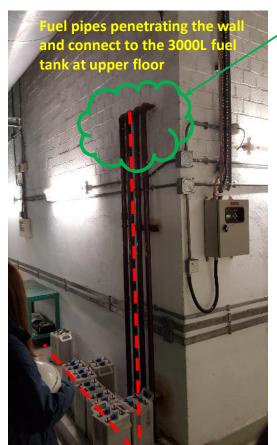




SPACE TO BE FILLED WITH SAND

| SPACE TO BE FILLED WITH SAND
| BY BUILDER) AFTER PIPES FIXING

Supply and return pipe from fuel oil tank (Sand Filled Trench at floor level)













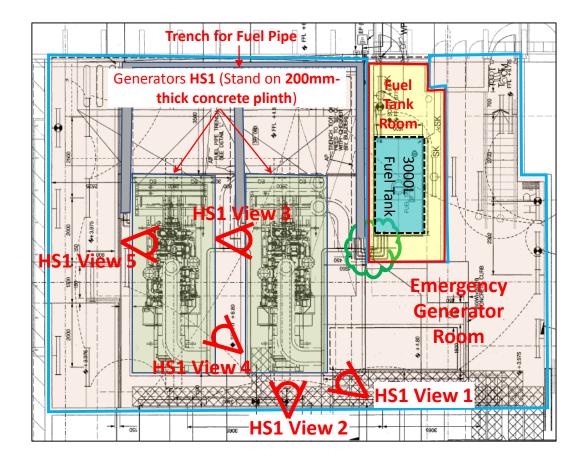


Notes

- Both the fuel tank and generator mounted on intact concrete floor with no any oil stain.
- Test run of emergency generator conducted monthly (for 30-60 mins)
- The fuel tank is checked monthly and re-filled approx. every 6 months
- The quantity of fuel inside the tank is monitored by level sensor. No sign of leakage is detected.

Appendix E.2 Emergency Power Supply System No. 2

Details of **HS1** (2 **Newly identified above-ground** Emergency generators connected with 3,000 L **Above-ground** Fuel Tank inside (BH9))





HS1 View 1 - concrete floor condition underneath emergency generators



HS1 View 2 - concrete floor condition underneath emergency generators



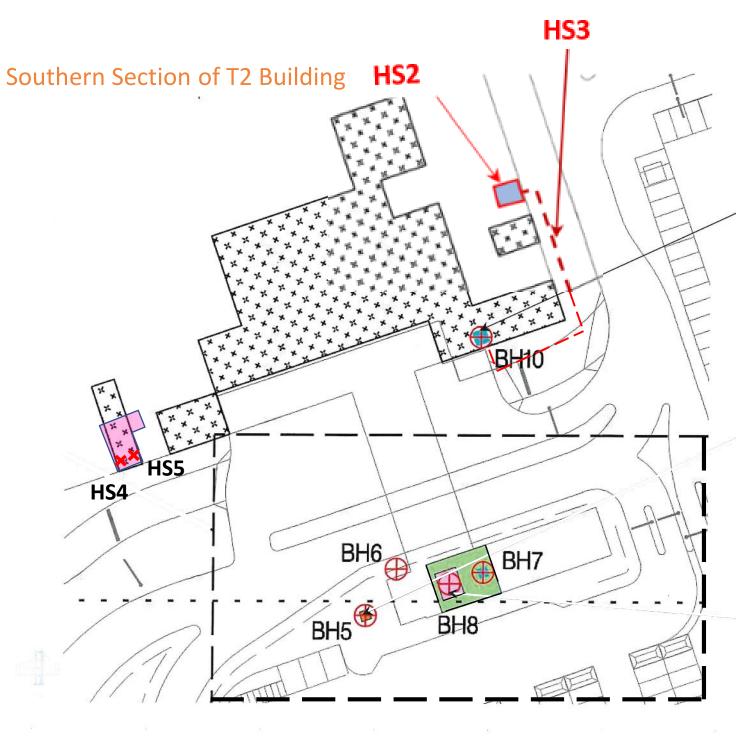
HS1 View 3 - concrete floor condition underneath emergency generators



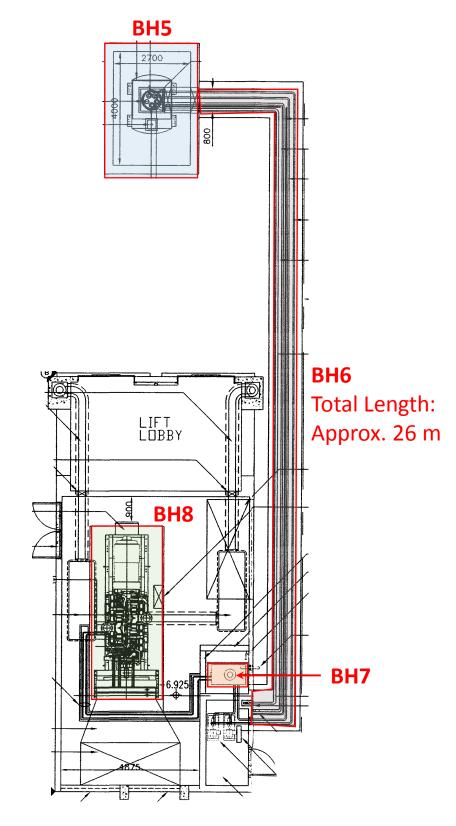
HS1 View 4 - concrete floor condition underneath emergency generators



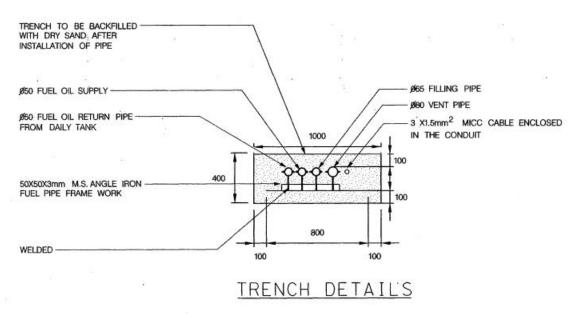
HS1 View 5 - concrete floor condition underneath emergency generators



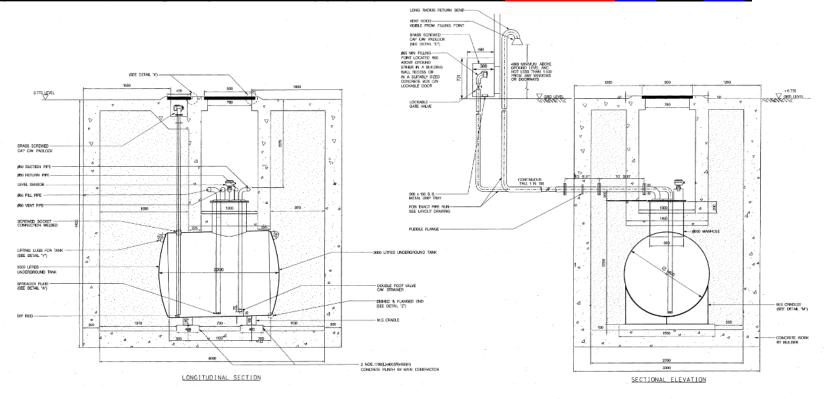
Reference ID	<u>Description</u>
ВН5	A 3,000 L underground fuel tank
ВН7	A 450 L above-ground fuel tank at Emergency Generator Room
вн6	26 m-in-length underground fuel pipelines connecting the 3,000 L underground fuel tank (i.e. BH5) and the 450 L above-ground fuel tank (i.e. BH7)
ВН8	An emergency generator at Emergency Generator Room (above-ground)

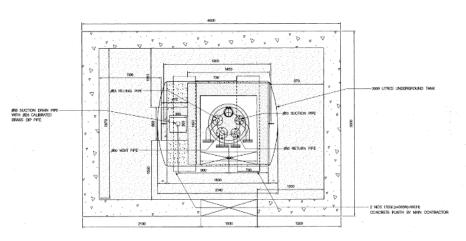


Reference ID	<u>Description</u>
BH5	A 3,000 L underground fuel tank
ВН7	A 450 L above-ground fuel tank at Emergency Generator Room
вн6	26 m-in-length underground fuel pipelines connecting the 3,000 L underground fuel tank (i.e. BH5) and the 450 L above-ground fuel tank (i.e. BH7)
BH8	An emergency generator at Emergency Generator Room (above-ground)



Appendix E.3 Emergency Power Supply System No. 3 (BH 5, BH6, BH7 and BH8)







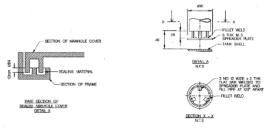
SAJP250A/0364

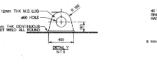
TRENCH TO BE BACKFILLED WITH DRY SAND, AFTER INSTALLATION OF PIPE					
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(50 FUEL OIL RETURN FIRE- FROM DALLY TANK	///	1000	— \$80 VENT PIPE — 3 XL5mm ² MK IN THE CONOU	C CABLE ENCLOSED	
5000005mm M.S. ANGLE IRON FUEL PIPE FRAME WORK	400	144	100		
WELDED	100	100	-		
	TRENCE	H DETAIL	:S		

I hereby certify that the information contained on these 'as-constructed' crawings is a true record of the Works as constructed Signed by: Date: 16/4/2008	CONTRACT P35	 SKYPLAZA BUILDING WORKS AS-CONSTRUCTED DRAWING
	on these 'as-co	enstructed" drawings is a true
		Date : 16/4/2008

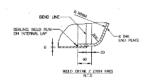
NOTES :

- ALL DIMENSIONS ARE IN mm.
- SUPPLY AND INSTALLATION OF ALL STORAGE TANK CHAMBER MANHOLE AND MANHOLE COVERS AND FRAME REQUIRED SHALL BEINCLUDED IN BUILDING WORKS AFTER COMPLETION OF RELEVANT MECHANICAL WORKS.
- LAYING OF THE TOP SLAB IS TO BE INCLUDED IN BUILDING WORKS AFTER THE TANK IS IN POSITION AND ALL PIPEWORKS PROPERLY CONNECTED UP AND CERTIFIED CORRECT.
- 4 AFTER COMPLETION OF TANK INSTALLATION THE TANK CHAMBER SHALL BE BACKFILLED WITH CLEAR DRY SAND BY BUILDER BACKFILL SHOULD BE FIRMLY TAMPED. BREEZE SALT BEACH SAND OR RUBBLE HAVING A CORROSIVE EFFECT SHALL NOT BE USED.
- WATER-TIGHT & DOUBLE-SEAL MANHOLE FRAMES AND COVERS CW KEY HOLES AND M.S. LIFTING KEYS, GENERAL IN COMPLYING WITH B.S. 497 PART 1 ARE TO BE SUPPLIED & INSTALLED BY BUILDER ALL MANHOLE COVERS SHALL BE SEALED AS SHOWN IN FIGURE "X"BY BUILDINGER AFTER COMPLETION OF TANK INSTALLATION.
- ALL UNDERGROUND TANK MANHOLES AND HANDHOLES SHALL BE ENCLOSED IN A PIT OF CONCRETE OR BRICK WORK AND RENDERED ON THE INSIDE WITH WATER-PROOF CEMENT BY BUILDER.
- THE TANK SHALL BE THOROUGHLY CLEANED INTERNAL-LY OF ALL LOOSE MATTER AND THEN TESTED TO A PRESSURE OF 70 kPa. ALL PIPEWORK SHALL BE SUBJECTED TO A HYDRAULIC TEST TO A PRESSURE OF 700 kPa.

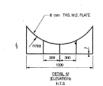


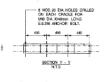












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5. Figure dimensions are to to followed. 6. De not use for construction unless expressly permitted.	C	12.03.08	REVISED AS PER AA'S COMMENT	RL.						1942008 1942008	
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Hong Kong International Airport. "AS-FITTED"

SKYPLAZA BUILDING WORKS
1800kVA FSI GENERATOR SET
UNDERGROUND FUEL TANK
(3000 LITRES) WITH PLINTH LAYOUT
LEVEL 3 (ZONE 64)

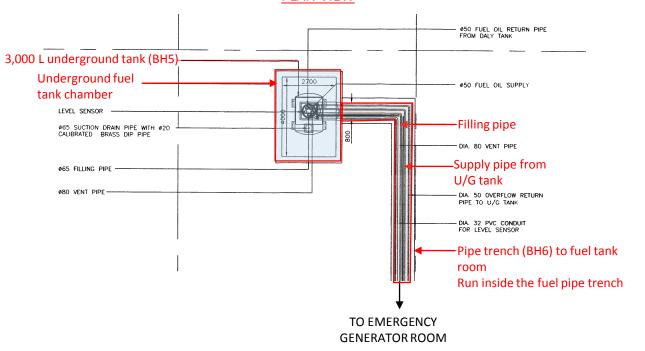
DOWN IN CWF / P350 / E / 09481 C

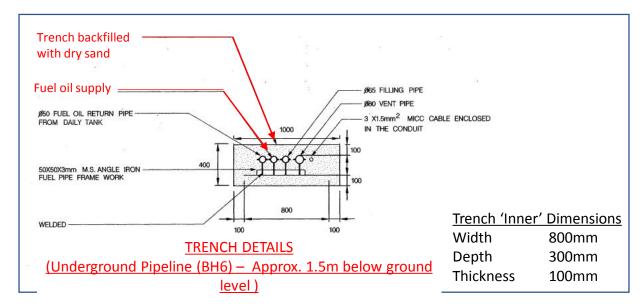
Appendix E.3 Emergency Power Supply System No. 3 – Details of BH5 (3,000 L Underground Fuel Tank) & BH6

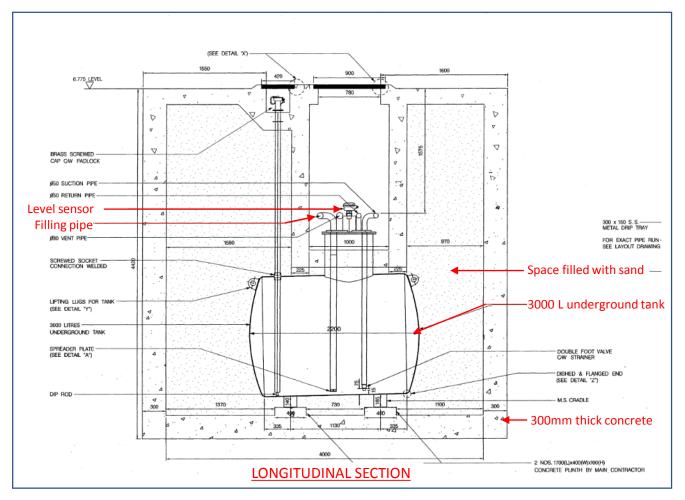


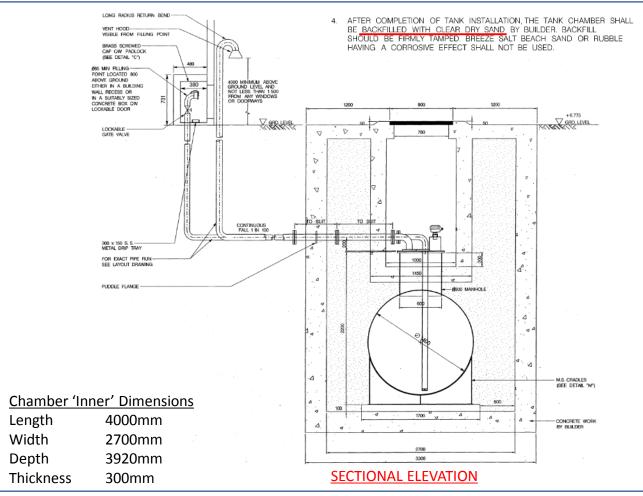
- Underground fuel tank fully encased in 300mm thick concrete chamber
- Space between the tank and the chamber is filled
- Test run of emergency generator conducted monthly (for 30-60 mins)
- Manhole chamber of U/G tank is checked monthly and re-filled approx. every 6 months
- The quantity of fuel inside the tank is automatically monitored by level sensor. No sign of leakage is detected.

PLAN VIEW









Appendix E.3 Emergency Power Supply System No. 3 -

Details of BH7 (450 L Above-ground Fuel Tank) & BH8 (Emergency Generator)

Supply and return pipe from fuel oil tank

(Sand Filled Trench at floor level)



Fuel pipes to/from fuel tank and the generator

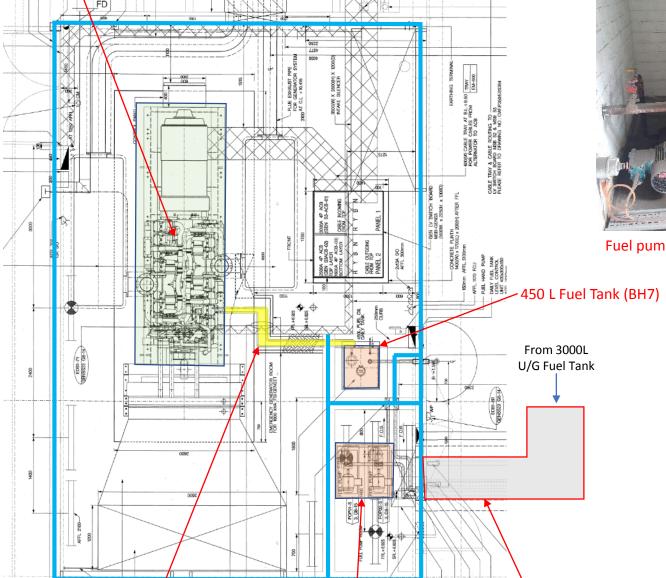


Sand filled trench containing fuel pipes (outside the fuel tank chamber)



Exposed fuel pipes

PLAN VIEW Emergency Generator (BH8) (Stand on 200mm-thick concrete plinth)



Fuel pump room

Fuel pump room



450 L fuel tank (BH7)



Metal drip tray and concrete curb surrounding fuel tank

Notes

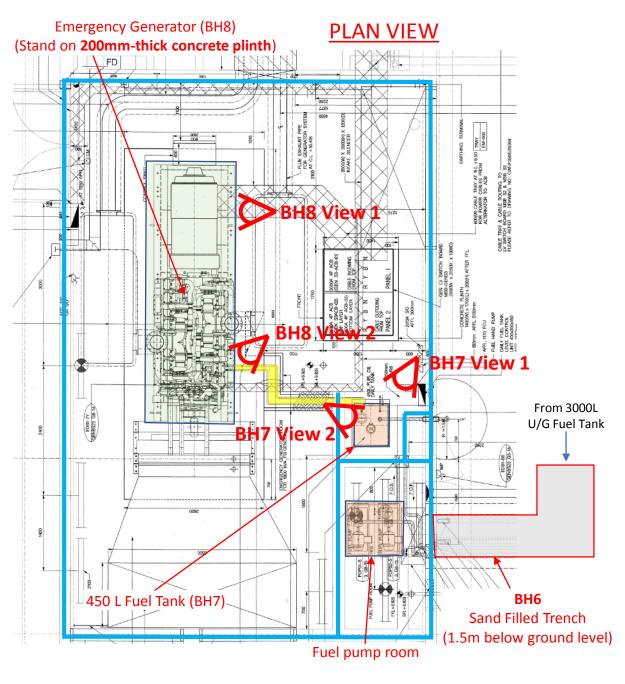
BH6

Sand Filled Trench (1.5m below ground level)

- Both the fuel tank and generator mounted on intact concrete floor with no any oil stain.
- Test run of emergency generator conducted monthly (for 30-60 mins)
- Fuel tank is checked monthly and re-filled approx. every 6 months.
- The quantity of fuel inside the tank is monitored by level sensor. No sign of leakage is detected.

Appendix E.3 Emergency Power Supply System No. 3 -

Details of BH7 (450 L Above-ground Fuel Tank) & BH8 (Emergency Generator)





BH8 View 1 - concrete floor condition underneath emergency generator



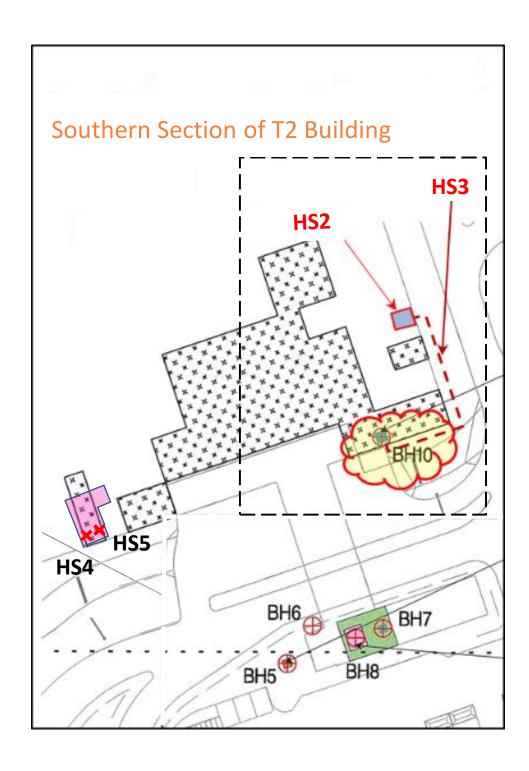
BH8 View 2 - concrete floor condition underneath emergency generator



BH7 View 1 - 450 L Above-ground Fuel Tank

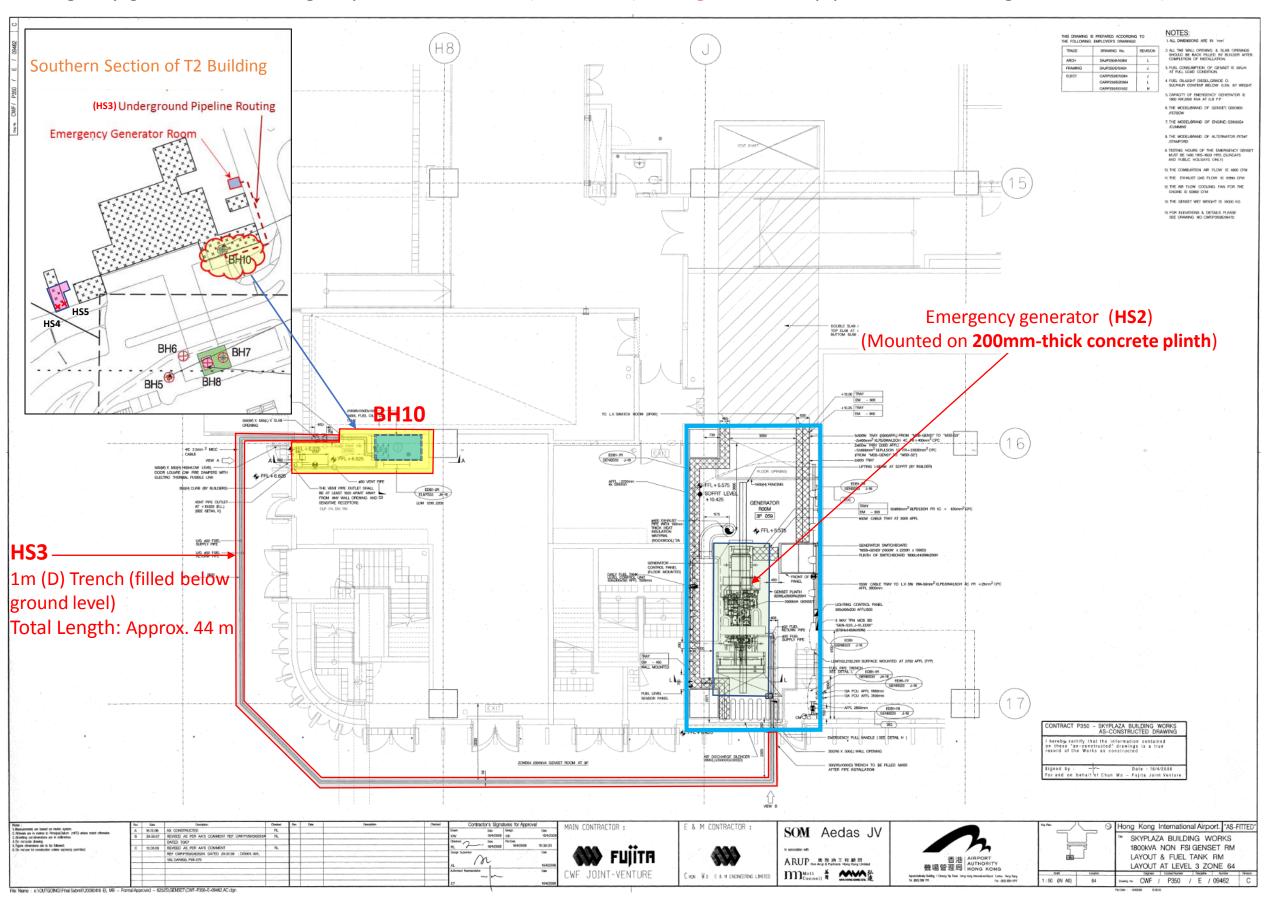


BH7 View 2 - concrete floor condition underneath 450 L Above-ground Fuel Tank

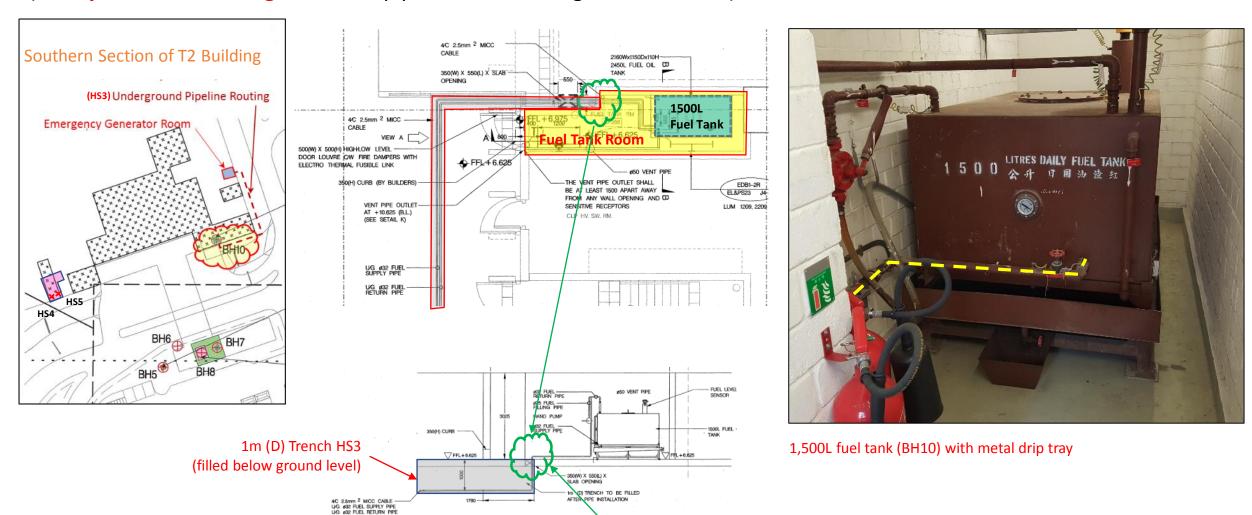


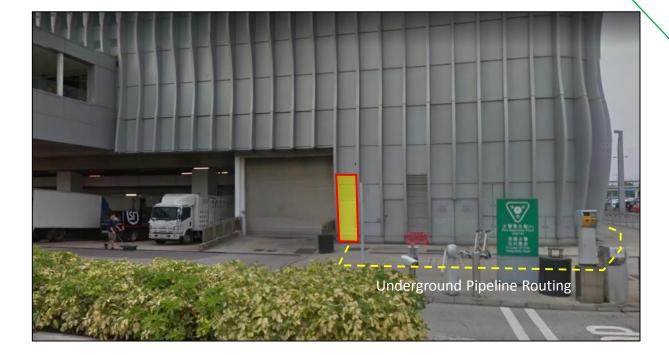
Reference ID	<u>Description</u>
BH10	A 1,500 L above-ground fuel tank at Fuel Tank
	Room
HS2	(Newly Identified) An emergency generator at
	Emergency Generator Room (above-ground)
HS3	(Newly Identified) 44 m-in-length underground fuel pipelines connecting the 1,500 L above-ground fuel tank (i.e. BH10) and the emergency generator (i.e. HS2)

<u>Appendix E.4 Emergency Power Supply System No. 4</u> - **BH10** (1,500L **Above-ground** Fuel Tank inside T2), **HS2** (**Newly Identified** emergency generator at Emergency Generator Room) and **HS3** (**underground** fuel pipelines connecting **BH10** and **HS2**)

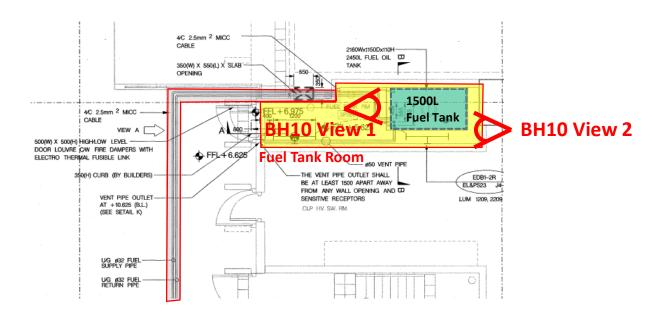


<u>Appendix E.4 Emergency Power Supply System No. 4</u> - Details of **BH10** (1,500L **Above-ground** Fuel Tank inside T2) and **HS3** (**Newly identified underground** fuel pipelines connecting **BH10** and **HS2**)









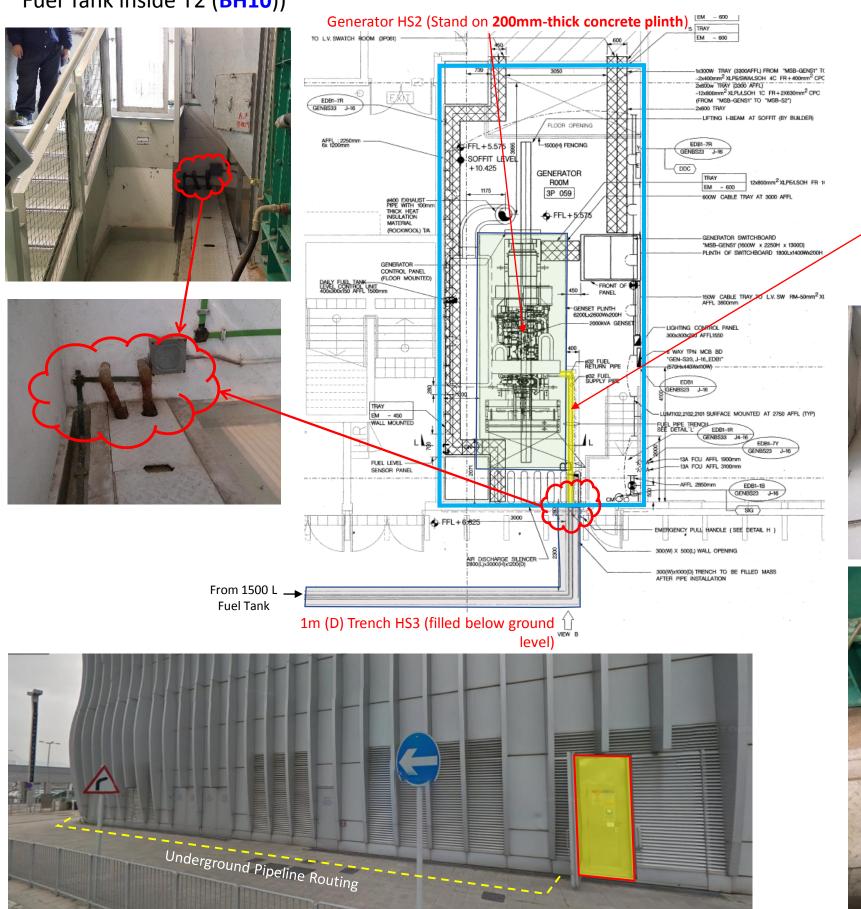


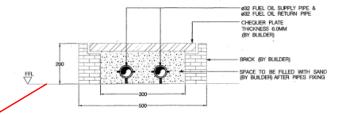
BH10 View 1 - concrete floor condition underneath 1,500L Above-ground Fuel Tank



BH10 View 2 - concrete floor condition underneath 1,500L Above-ground Fuel Tank

<u>Appendix E.4 Emergency Power Supply System No. 4</u> – Details of **HS2** (Emergency Generator connected to 1,500L **Above-ground** Fuel Tank inside T2 (**BH10**))





Supply and return pipe from fuel oil tank (Sand Filled Trench at floor level)

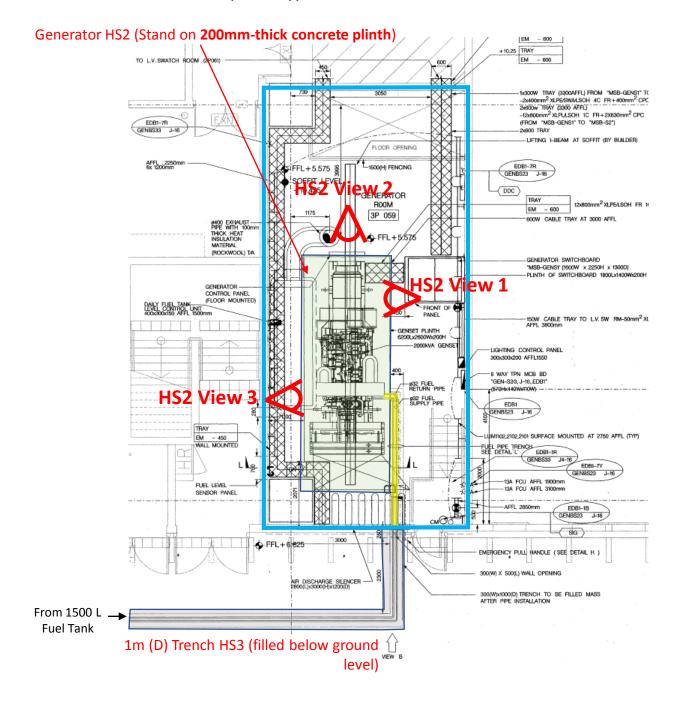






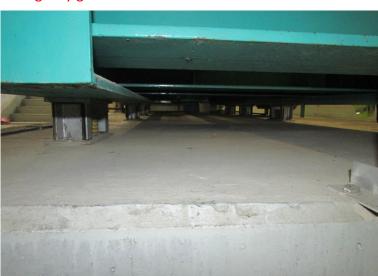
Appendix E.4 Emergency Power Supply System No. 4 - Details of HS2 (Emergency Generator connected to 1,500L Above-ground

Fuel Tank inside T2 (BH10))





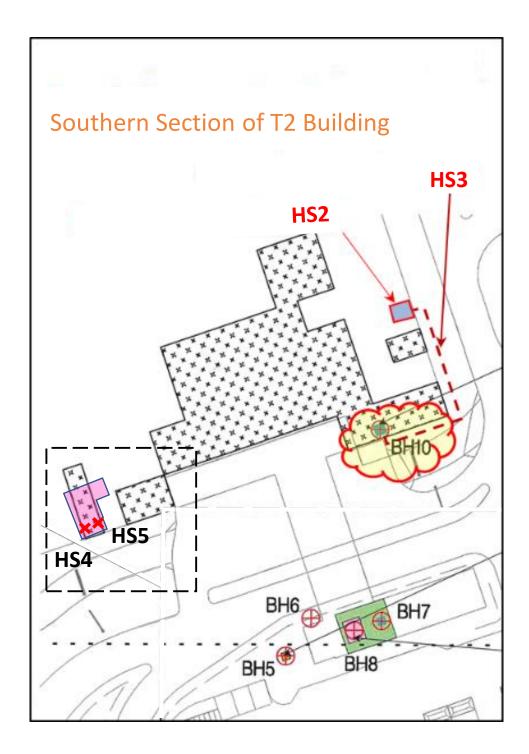
HS2 View 1 - concrete floor condition underneath emergency generator



HS2 View 2 - concrete floor condition underneath emergency generator

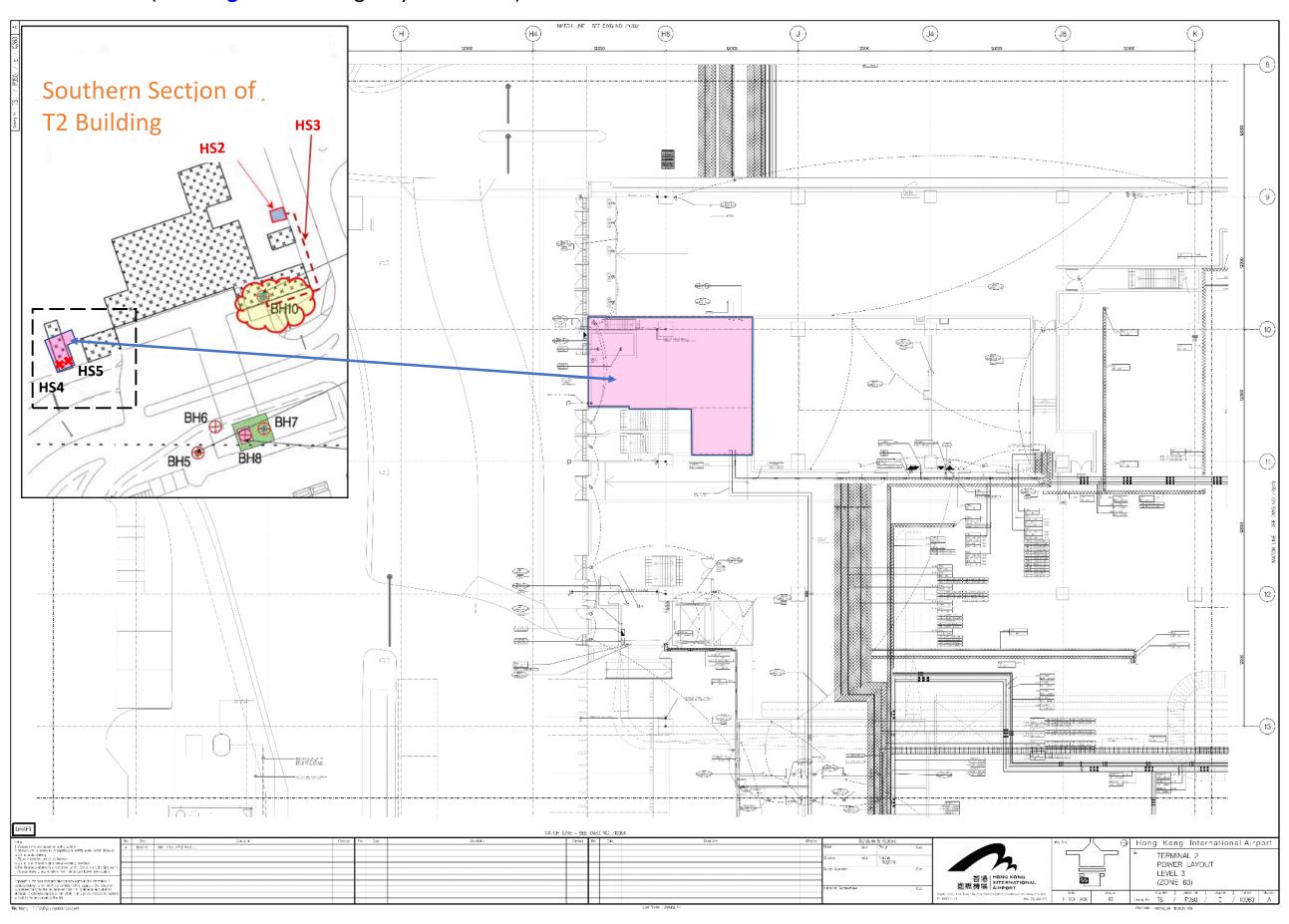


HS2 View 3 - concrete floor condition underneath emergency generator

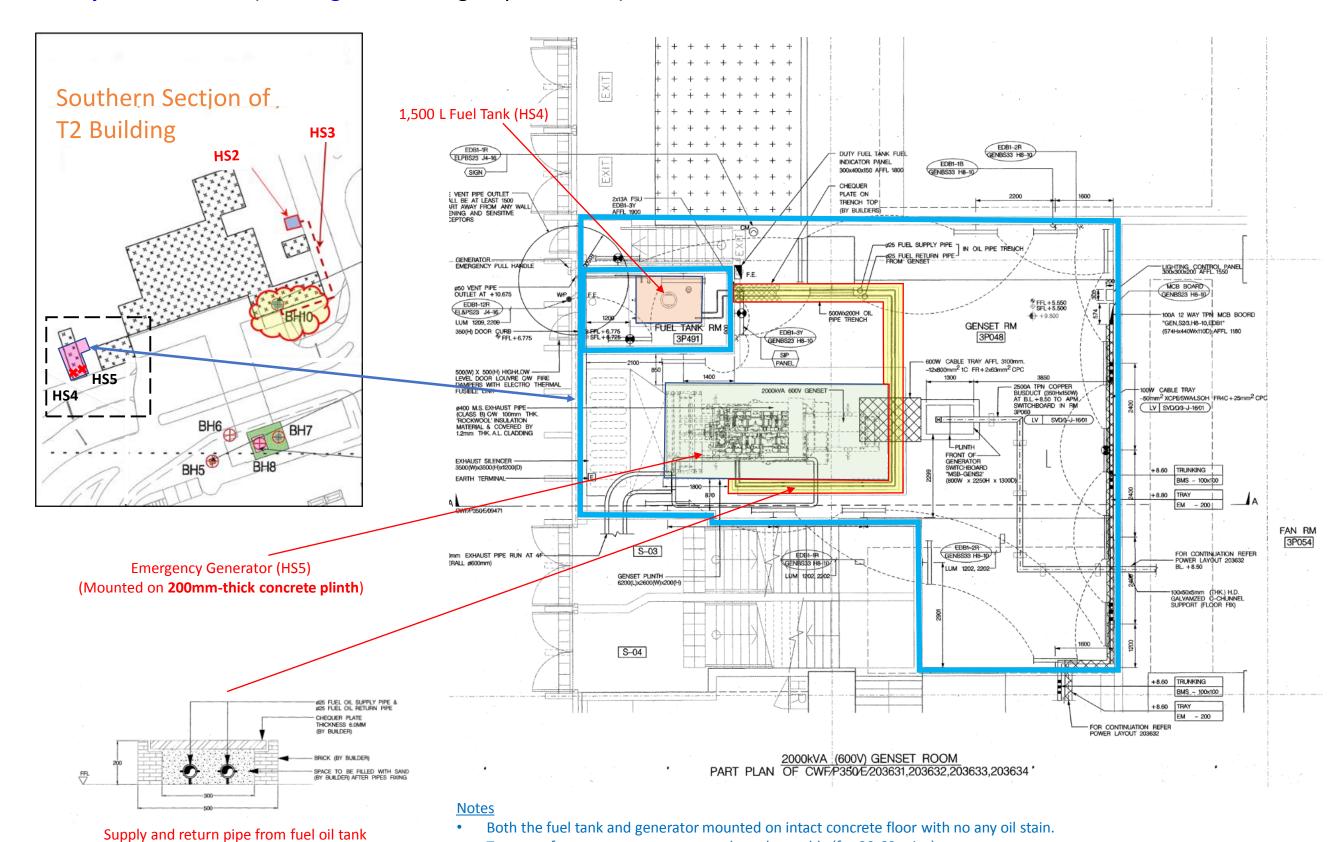


Reference ID	<u>Description</u>
HS4	(Newly Identified) A 1,500 L above- ground fuel tank at Fuel Tank Room
HS5	(Newly Identified) An emergency generator at Emergency Generator Room (above-ground)

<u>Appendix E.5 Emergency Power Supply System No. 5</u> – Location of **Newly Identified HS4** (**Above-ground** Fuel Tank) and **Newly identified HS5** (**Above-ground** Emergency Generator)



<u>Appendix E.5 Emergency Power Supply System No. 5</u> – Details of **Newly identified HS4** (**Above-ground** Fuel Tank) and **Newly identified HS5** (**Above-ground** Emergency Generator)



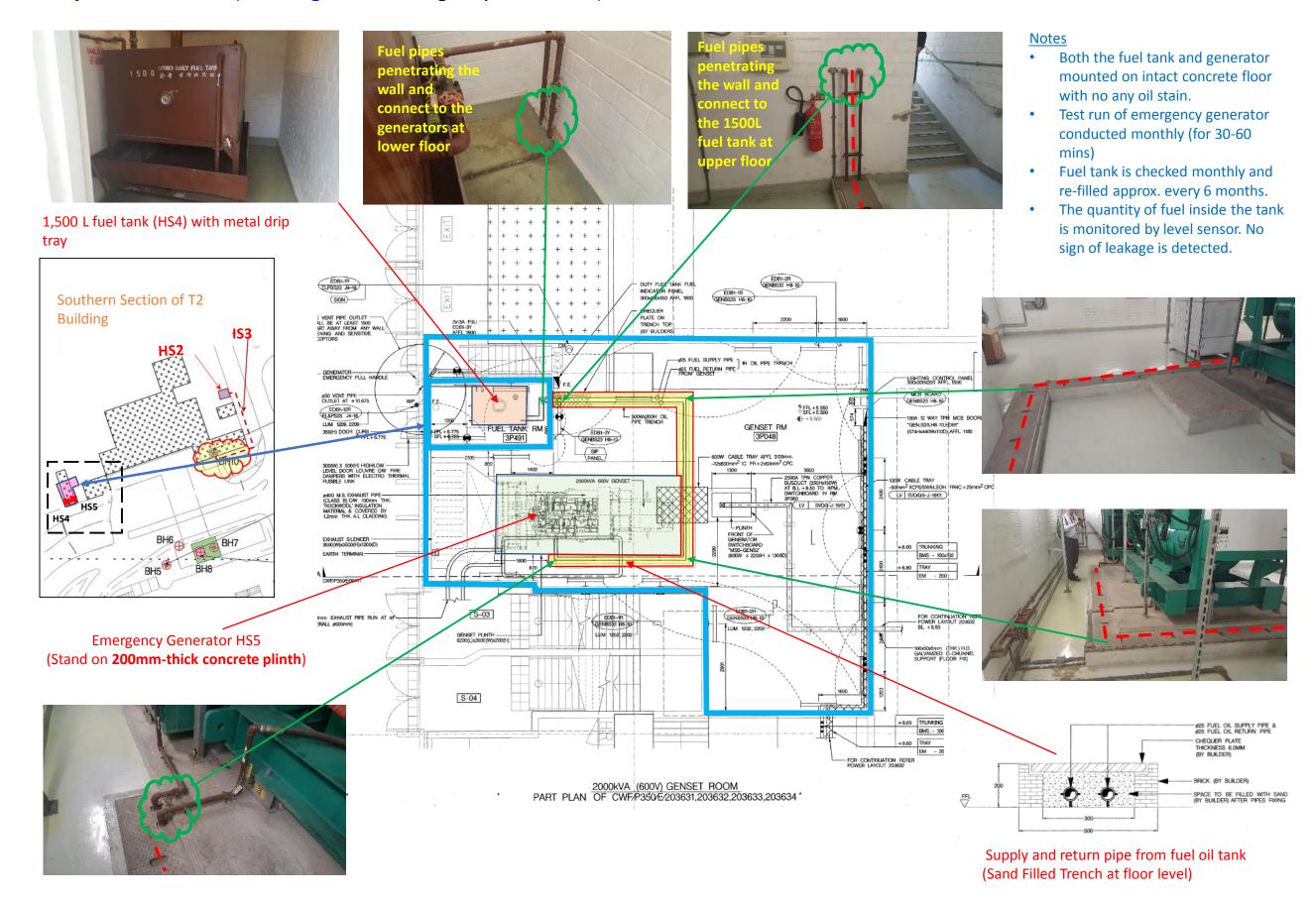
Test run of emergency generator conducted monthly (for 30-60 mins)

The quantity of fuel inside the tank is monitored by level sensor. No sign of leakage is detected.

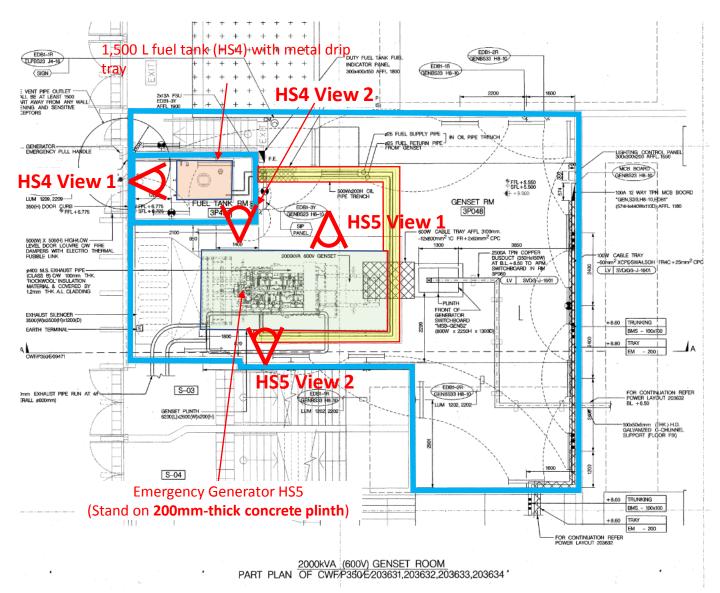
Fuel tank is checked monthly and re-filled approx. every 6 months.

(Sand Filled Trench at floor level)

<u>Appendix E.5 Emergency Power Supply System No. 5</u> – Details of **Newly identified HS4** (**Above-ground** Fuel Tank) and **Newly identified HS5** (**Above-ground** Emergency Generator)



<u>Appendix E.5 Emergency Power Supply System No. 5</u> – Details of **Newly identified HS4** (**Above-ground** Fuel Tank) and **Newly identified HS5** (**Above-ground** Emergency Generator)





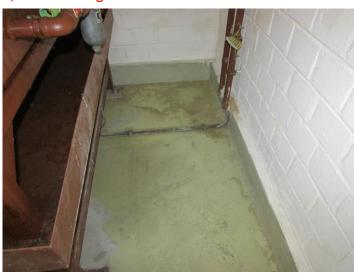
HS5 View 1 - concrete floor condition underneath emergency generator



HS5 View 2 - concrete floor condition underneath emergency generator



HS4 View 1 - concrete floor condition underneath 1,500L Above-ground Fuel Tank



HS4 View 2 - concrete floor condition of fuel tank room with 1,500 L above-ground fuel tank