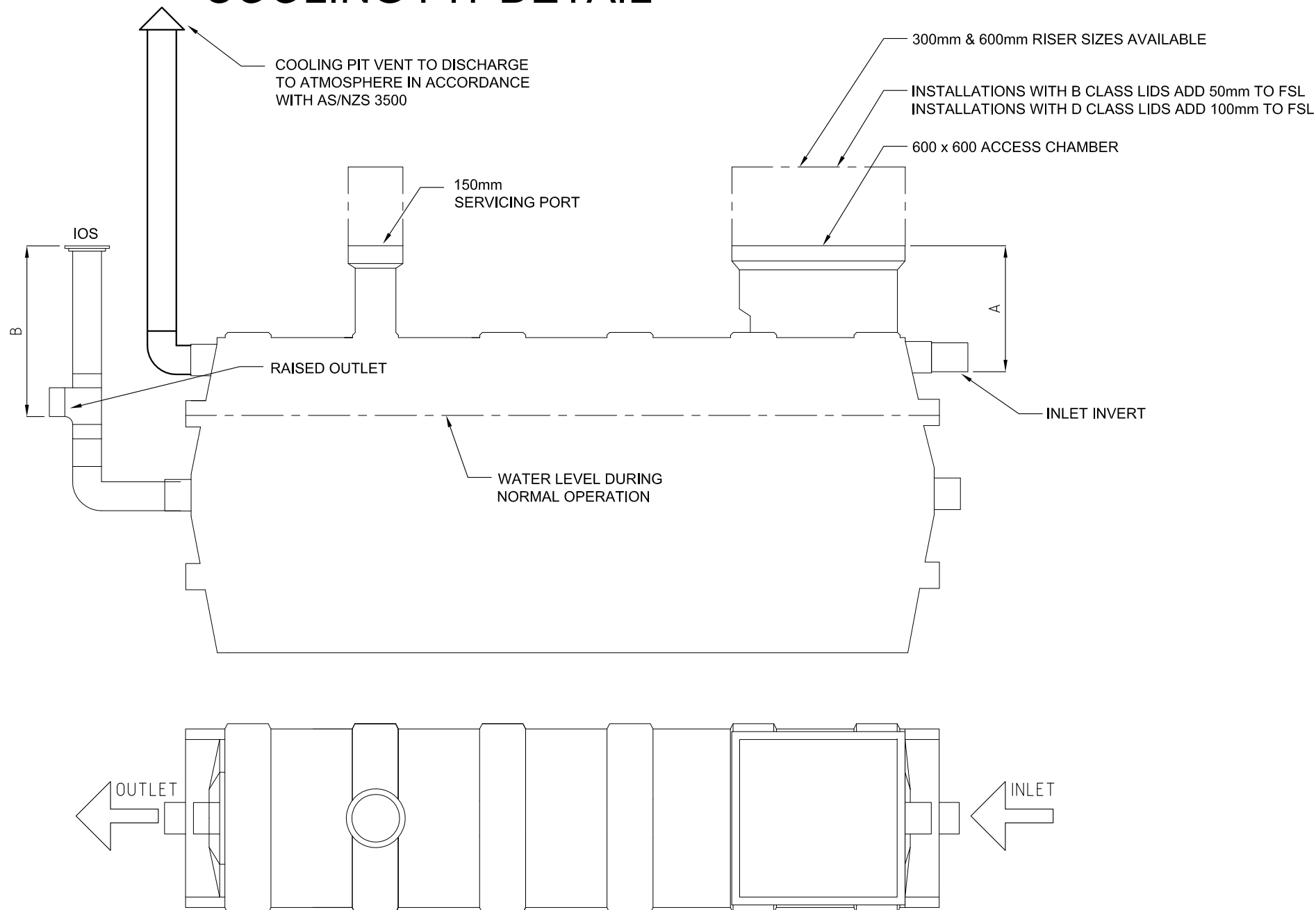


Notes

1. **Product:**
The Halgan Cooling Pit is used to cool the liquid waste water and provide a discharge to the sewer of not more than 38 o C. The inlet and outlet design provide mixing of the waste water. The Halgan Cooling Pit is manufactured from polyethylene.
2. **Application:**
The Halgan Cooling Pit is used for treatment of waste water from Launderette, Commercial/Industrial laundry and boiler blow down. In some applications where large quantities of hot waste water is discharged, it may be required to install a cooling tower to lower the temperature.
3. **General**
 - 3.1. Tank constructed from Polyethylene.
 - 3.2. The Cooling Pit is to be installed in a location that will not cause a nuisance, obstruct fire access, cannot be vandalised or be damaged by vehicles.
 - 3.3. The Cooling Pit must have ease of access to pumpout point for maintenance.
 - 3.4. A hose tap fitted with RPZD backflow protection (as per AS/NZS 3500) must be installed within 5 metres of the Cooling Pit for maintenance and cleaning.
4. **Installation above ground**
 - 4.1. The Cooling Pit is to be supported on a 100mm thick concrete pad. The Halgan 1200 L & 1500 L Cooling Pits do not require a stand.
 - 4.2. Any maintenance platform must be installed in accordance with Australian Standard 1657-1992 allowing safe access while inspecting and maintaining the Cooling Pit.
 - 4.3. All pipes connecting to the Cooling Pit shall be fully supported, there shall be no stress on the tank connections.
 - 4.4. All stormwater must be diverted away from the Cooling Pit Trap to prevent undermining of foundation.
5. **Installation below ground**
 - 5.1. All connections to the Cooling Pit shall be in accordance with the appropriate authorities.
 - 5.2. Any excavation exceeding 1.5 metres in depth shall comply with the construction safety acts and regulations before backfilling.
 - 5.3. The Cooling Pit must be filled with water prior to backfilling.
6. **Excavation dimensions**
 - 6.1. The excavated hole width shall be kept as narrow as practicable. The depth shall not be greater than 150mm more than the required depth.
 - 6.2. 75mm clearance is required at the sides of tank.
7. **Over excavation**
 - 7.1. Where an excavation has been made deeper than required, the excess depth shall be filled either with bedding material compacted to achieve 98% compaction or concrete.
8. **Water Charged Ground**
 - 8.1. Where installation is in high water table or water charged ground, mine subsidence, filled or unstable areas, the services of a qualified structural engineer is required for certification.
9. **Bedding material**
 - 9.1. The bedding material shall be 1 part Portland cement to 4 parts clean sand.
 - 9.2. The bedding shall be thoroughly compacted by tamping at 300 mm layers.
 - 9.3. The bedding material shall encase the whole tank.
10. **Final Backfill**
 - 10.1. The final backfill material shall comply with the following:
 - 10.1.a. Spoil from the excavation of the trench may be used.
 - 10.1.b. Foreign material such as builder's waste, bricks, and concrete shall not be used.
 - 10.1.c. The backfill shall be compacted to restore the excavated hole as near as practicable to the normal ground.

HALGAN 1200 & 1500 LITRE COOLING PIT DETAIL



HALGAN HCP DIMENSIONS

MODEL	HEIGHT	WIDTH	LENGTH	VOLUME	WEIGHT	A (INLET)	B (OUTLET)
HCP 1200	1550mm	720mm	3000mm	1200 L	140KG	700mm	850mm
HCP 1500	1550mm	720mm	3000mm	1500 L	140KG	500mm	650mm

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A	29.10.2012	DETAIL DESIGN	DN	SM	KH	HALGAN 1200 & 1500 LITRE COOLING PIT DETAIL			X X X X X		
REV	DATE	DESCRIPTION	BY	CHKD	APP						
								HCP1200/1500	1:20	A	