Hynds Stonetrap

Technical Guide R3.2

The Hynds Stonetrap allows adequate time for stones, gravel and other miscellaneous items to be captured and settled, reducing the wear and tear on effluent pumps.

06.24 | RURAL | R3.2 HYNDS STONETRAP

Applications

- Dairy effluent
- Industrial effluent

Product Attributes

- Easy entry for cleaning
- Easy transportation and installation

Quality

- ISO 9001:2008 Quality Management Standard

The Hynds Stonetrap allows adequate time for stones, gravel and other miscellaneous items to be captured and settled, reducing the wear and tear on effluent pumps.

Design Specifications

- Manufactured from precast reinforced concrete.
- 3 m width to accommodate today's larger loaders and tractors.
- Floor is poured at time of installation.
- Allows the incoming wash-flow from the dairy shed to enter on a 45 degree angle, enabling the slowing down of the velocity of the incoming effluent and increasing the settling period.
- Inlet and outlet pipes are on opposing angles reducing energy of incoming effluent and ensuring that heavier grit and stone material is deposited in the trap.
- Rear wall is designed to accommodate both recommended angles on entry.
- Left or right exits available, permitting Hypond to be located on either side of the stone trap.

Installation

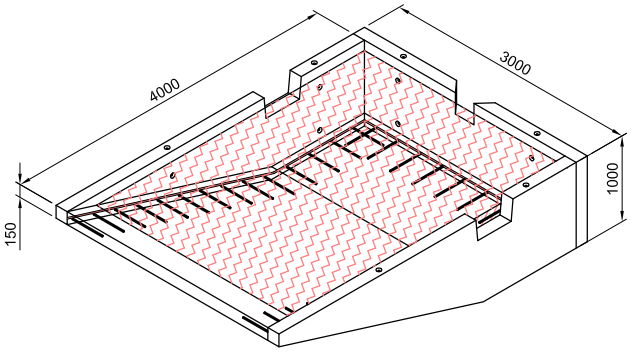
- The Hynds Stonetrap is assembled by first excavating the area and shaping the floor.
- Lay a minimum of 150 mm of compacted GAP 40 metal.
- Apply MSR to the end of the side panels where they join the end panel.
- Lift the panels into place ensuring the top is level and bolted together.
- Place Hydrotite CJ-0720-2K Water Stop central to the floor slab prior to placement of REO and pouring concrete.
- Place the reinforcing in the base tying it to the starter bars protruding from the panels.
- The concrete base can now be poured.

Product Code	Description	Left Wall Panel Weight (T)	Right Wall Panel Weight (T)	Back Panel Weight (T)	Total Weight (T)
ST4000S	Stone Trap Conc, Standard	1.04	1.04	1.1	3.18
ST4000H	Stone Trap Conc, High	2.63	2.63	2.5	7.76

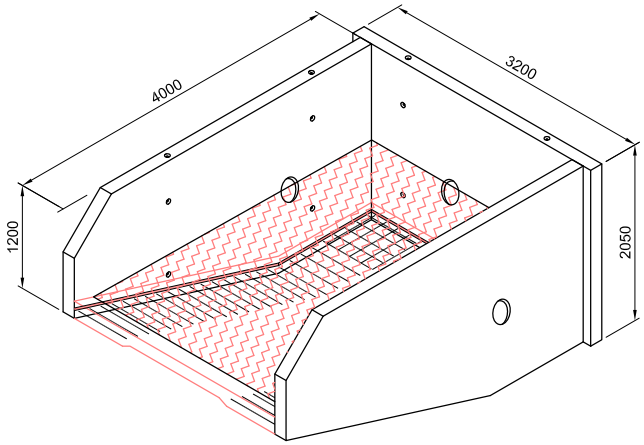
*Additional items to be allowed for

		Product Code & Quantities	
Item Code	Description	ST4000S	ST4000H
RBG16.250	Galv Reid Bar Ø16	4	6
RBNG16I	Reid Bar Steel Galv Ø 16 iport flange nut	4	6
RBFW20	Galv Square Washer	4	6
MSR	Mastic Sealant Ø17mm x 3.6m BLK	1	2
HYDROTITECJ2007	Hydrotite Hydrophillic Waterstop 10mt	2	2

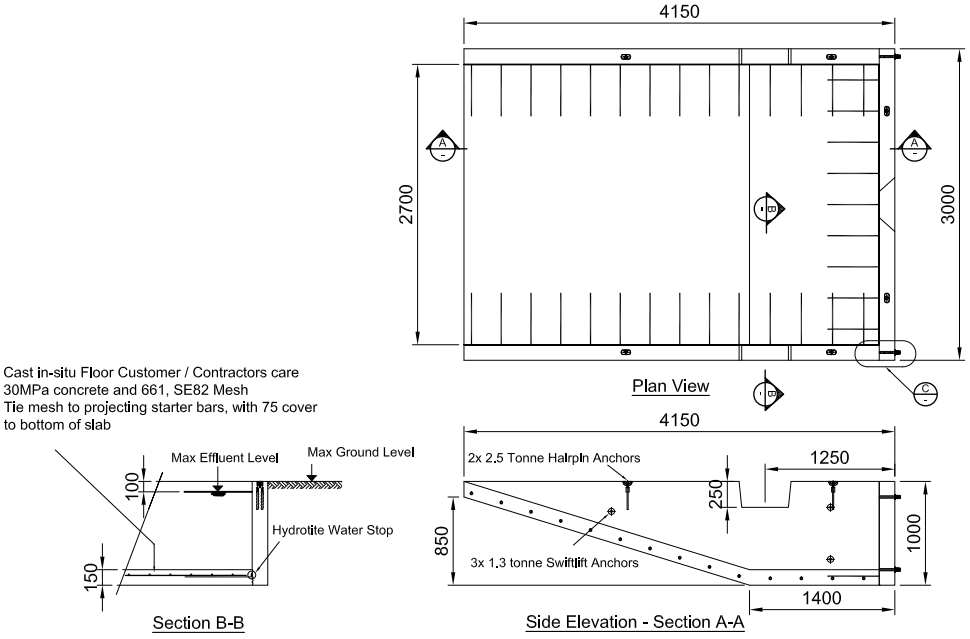
Note: Customer to allow for floor Reinforcing for placement in cast in situ Concrete Floor



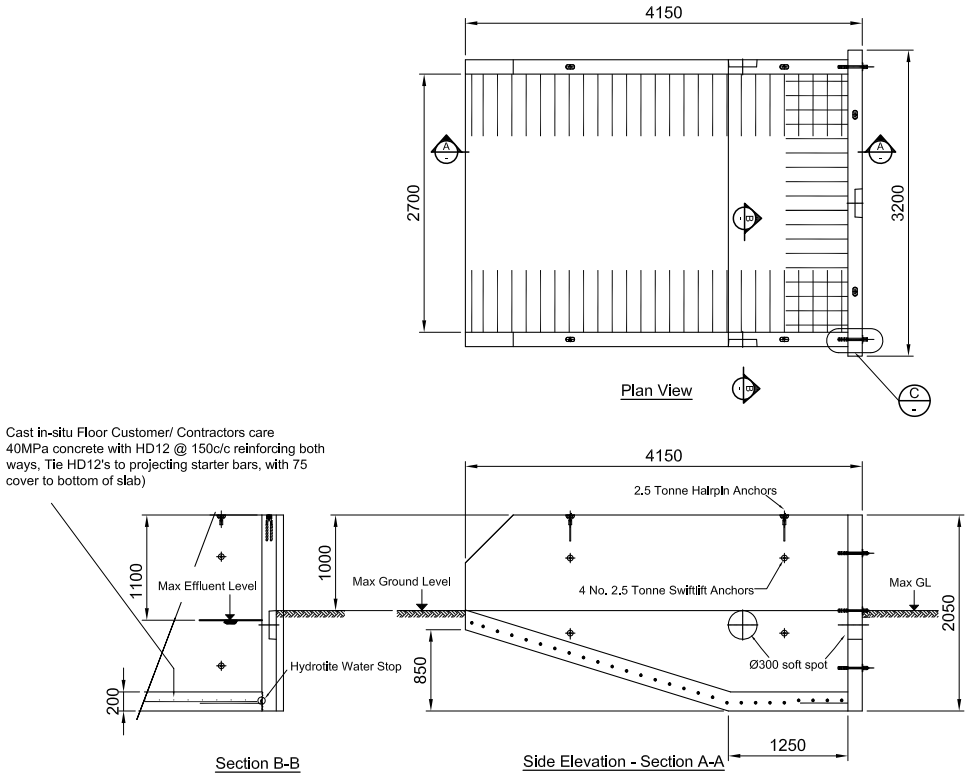
ST4000S (Standard Wall)



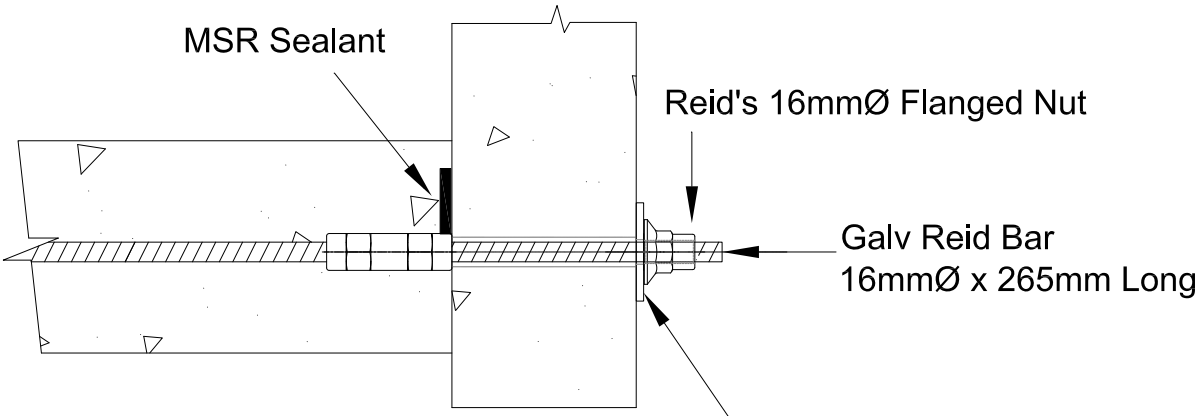
ST4000H (High Wall)



ST4000S (Standard Wall)



ST4000H (High Wall)



Detail C

Lifting Clutches required for Unloading and Installation

1LE Swiftlift Clutch for 1.3 tonne Anchors
Or
2LE Swiftlift Clutch for 2.5 tonne Anchors (Unloading)

2ELALE Ring Clutch for 2.5 tonne Hairpin Anchors (Standing and Placement)