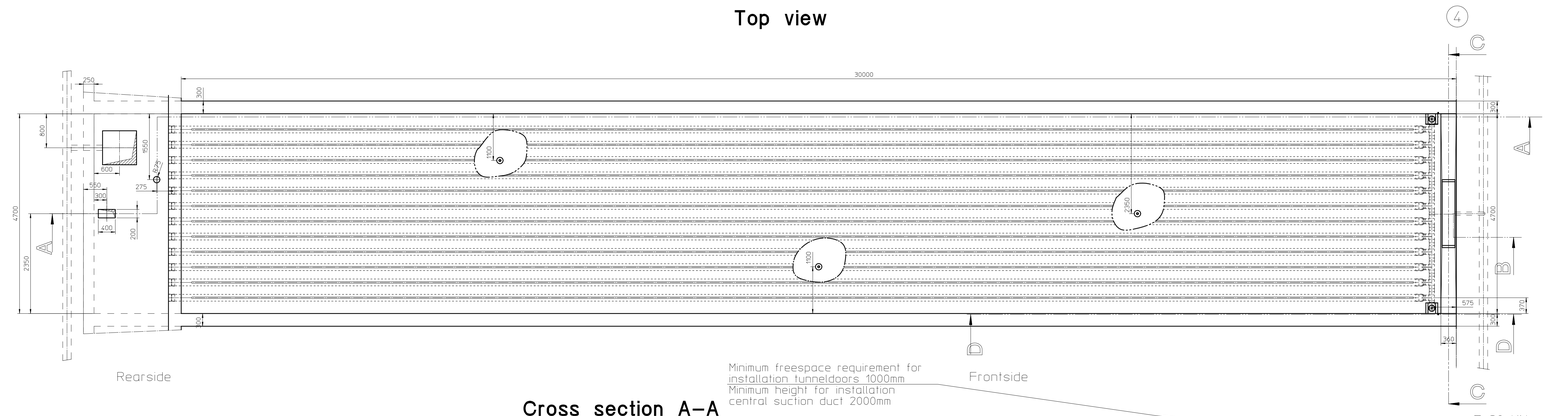
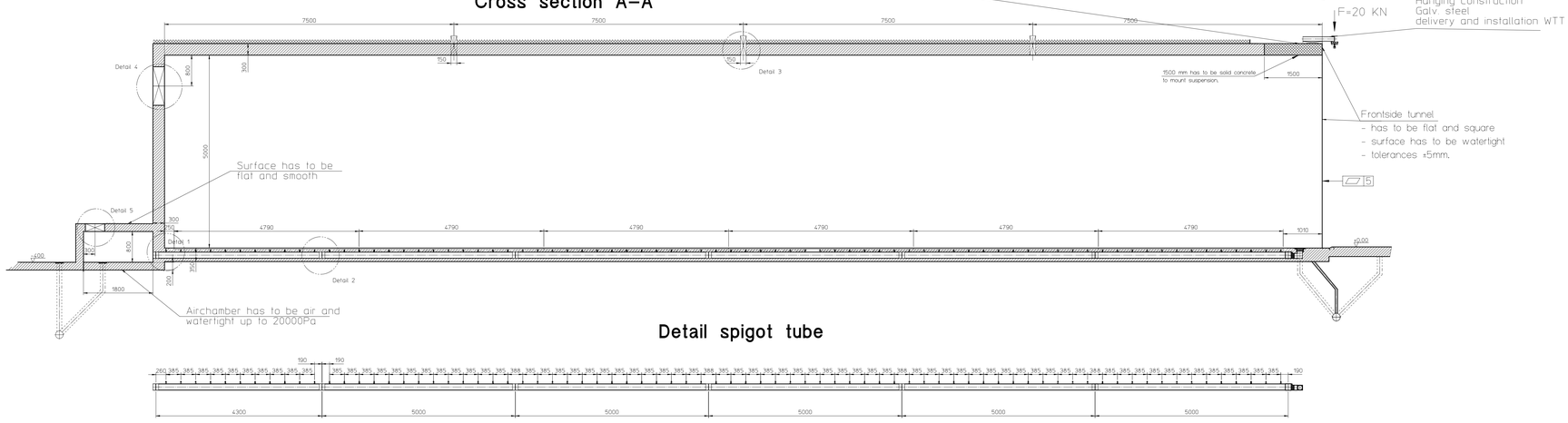
Top view



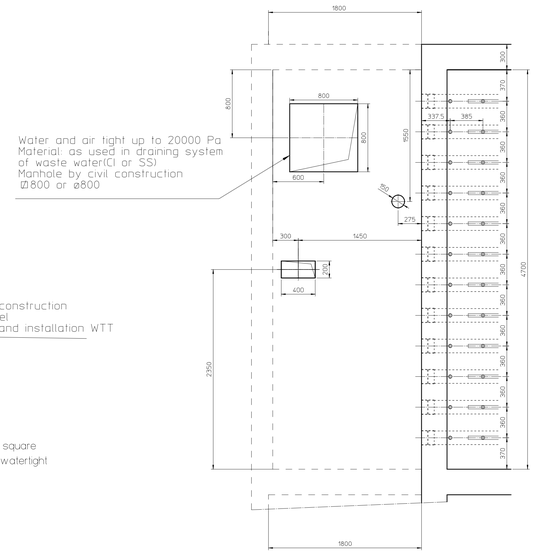
Cross section A–A



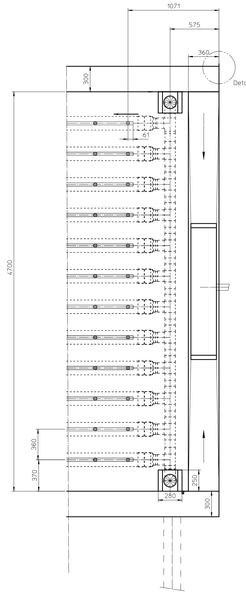
Detail spigot tube



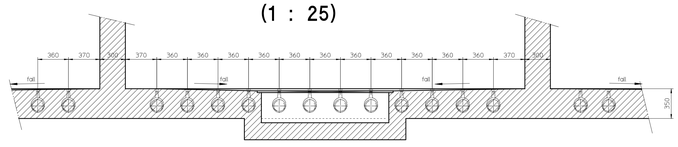
Top view rear side tunnel (1 : 25)



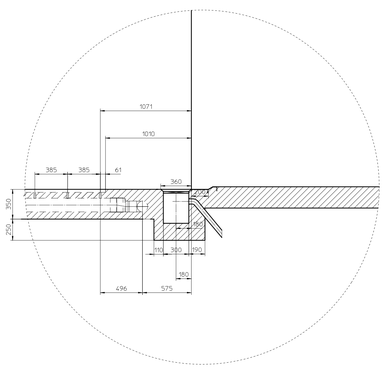
Top view front side tunnel (1 : 25)



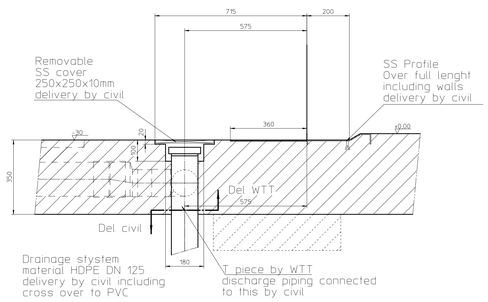
Cross section C–C (1 : 25)



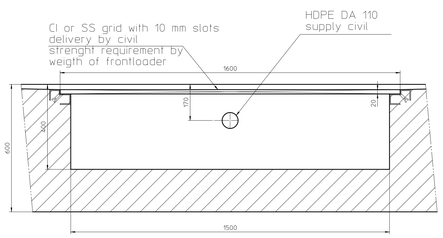
Cross section B–B (1 : 25)



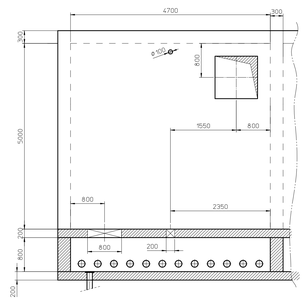
Cross section D–D (1 : 10)



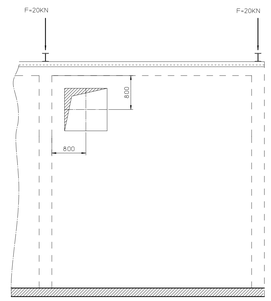
Detail collecting reservoir (1 : 10)



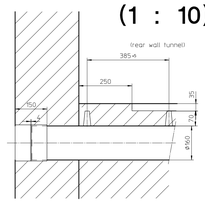
Rear view tunnels (Ventilation corridor side)



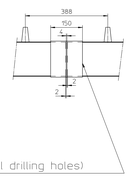
Front view tunnels (tunnel door side)



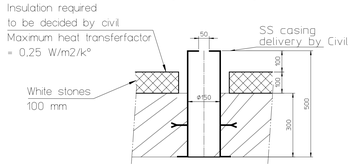
Detail 1 (1 : 10)



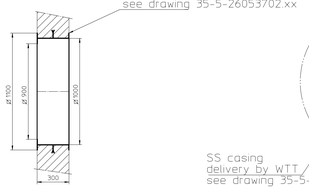
Detail 2 (1 : 10)



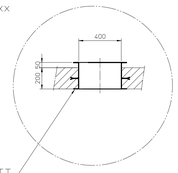
Detail 3 (1 : 10)



Detail 4 (1 : 20)



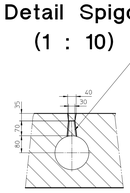
Detail 5 (1 : 20)



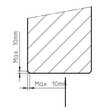
Concrete quality for tunnel, watercellar, biofilter pumppits and distribution chamber

1. Quality of concrete:
   According to the new European classification NEN-EN-206-1 the required quality of concrete for the tunnels, bio filters, air chamber at spigot floor, air duct in front of the bio filter.
   C35/45
   XC4
   XD3
   XF3
   XA3
   W/Z = 0.45 max.
   Cement = CEM111/B 32,5 N-NW/HS. Additive = woerment FM 630 (or an equivalent)
2. High resistance against strong chemical atack.
3. Use mortar with high sulfate resistens.
4. Concrete watertight, crack resrictions <0.15 mm. Concrete for tunnel
5. Temperature proof till +85°C.
6. Temperature difference between tunnels: from surrounding temperature +85°C.
7. Tunnelfloor with high resistance against friction(e.g. adaptrien of corundum).
8. Concrete surface absolutely watertight at construction near tunneldoor.

Detail Spigot (1 : 10)



Detail 6 (1 : 10)



General: SS= minimum requirement 304

General: ? = subject to detailed enginering

General: Floorstrength depending on weigth frontloader

General: parts that are delivered by WTT must be mounted by civil contractor

Index	Modification	Date	Name
06	Several modifications	23.01.08	WN
04	Several modifications	15.11.07	H.OL
02	Several modifications	29.10.07	T.N.
05	Several modifications	28.11.07	H.OL
03	Width tunnel 5m->4.7m	29.10.07	T.N.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without authority from the proprietors.

WASTE TREATMENT TECHNOLOGIES
Bedrijvenpark Twente 452
7602 KM Almelo Holland
Tel.: +31(0)546 581230
Fax.: +31(0)546 579000

Drawn by 09.03.07 T.N.
Checked by
Name : Tunnel 1 Project Valles Oriental
Scale : x : x
Drawing-Nr.: 35-5-26053.1.0.2-06
Size A0
Components-Nr.:
Created from: 35-5-
Size L-[x]
Create from: