

GENAP SLURRY LAGOON MANUAL



1 Foreword

Dear customer,

We are pleased to send you the

Genap Slurry Lagoon Manual

We recommend that you read the manual carefully before making the initial construction arrangements.

It will help spare you from unexpected surprises and answer any questions you might have.

Please note that this Manual is based on BRL 2342 'Manure basins and covers for manure basins' dated. 9 May 2017, issued in accordance with the Kiwa Regulations for Certification.

A large number of the instructions and requirements mentioned in this document are a summary of the requirements from the following document:

- "National Assessment Guideline for the KOMO Process Certificate for Slurry Lagoon Covers, BRL-2342, a publication of KIWA NV"

Genap b.v.

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2 Preparation and Construction of the Genap Slurry Lagoon

2.1 Preparation

After the municipality grants the permit for construction of the Genap slurry lagoon, the start of construction will be planned and scheduled by mutual agreement.

About one week before the start of construction, a site visit will take place to discuss the preparations and installation planning. Together, we will determine the extraction and filling points and, if applicable, additional features, such as the ramp for the mixing platform and/or other requirements.

Special areas of focus before the start of construction:

- **KLIC Notification**: the earthworks company must submit a KLIC (Dutch Cable and Pipeline Information Centre) notification to the Land Registry no later than one week before the start of earthworks. A strip of at least 6m of easily accessible land must be available around the construction site
- There must be an unobstructed access for trucks and cranes delivering the film liner and other construction materials to the construction site (up to 20m distance).
- During the earthworks, it may be necessary to install pipes in the ground.

2.2 Reporting

Local notification and application for a valid building permit, if necessary, should be done by the customer prior to assembly.

2.3 Earthworks

KLIC Notification: In principle, the notification must be submitted by the earthmoving company, which, in practice, is the contracted crane company. If Genap b.v. agrees to carry out the earthworks, it will ask the subcontractor to submit the KLIC notification.

Earthworks will take place at a date to be determined in consultation with the planning and coordination departments of Genap b.v.

Should unforeseen circumstances occur which may affect the timetable, please advise our planning department of this as soon as possible.

2.4 Requirements for Earthworks

During the reference period, the floor of the Genap slurry lagoon must be at least 20 cm above the average highest groundwater table on site.

The earthmoving depth will be determined from the groundwater table on site during installation of the Genap slurry lagoon. If there is not enough soil present on site, and loose soil is brought in, it must be mechanically compacted in layers.

The top layer of the soil and inner bank must be cleared of clay, sods, debris, root residues and other foreign materials or objects which might damage the film liner. Where appropriate, we recommend adding a protective layer of sand (> 10cm) or a felt protection. The soil/construction site must also be dry and suitable for foot traffic. The bank slope may not exceed 45 degrees (i.e. not steeper than 1:1). The crest width must be at least 1 metre wide and the crest must be provided with a 30 x 30 cm spit-deep trench, which is at least 20 cm and up to 50 cm away from the side as seen from the inside to the outside.

If greater subsidence is expected, better soil improvement will be required. If required, a soil survey will be conducted at the client's expense.

Vegetation such as root growth, overhanging branches, etc., must be cleared to prevent damage to the Genap slurry lagoon.

During construction, the soil surrounding the Genap slurry lagoon must be adequately levelled to ensure safe installation of the slurry lagoon in accordance with the applicable OSH requirements in place!

2.5 Requirements for Pipework

- 2.5.1 To avoid accumulation of gas from the underneath of the lagoon, drainage pipes must be installed underneath the floor of the liners. The drainage pipes should therefore be installed 100 mm below the bottom of the Slurry Lagoon with a diameter of at least 50 mm at a mutual distance of maximum 2.5 m in sand slots. These pipes will have to be connected to a monitoring well, which must be kept free of water.
- 2.5.2 All pipes with clamping flange/throttle plate will be installed at the same level as, or a few centimetres lower than, the floor. To install the base plate/sleeve structure, all pipes with this structure must protrude dead straight and at least 50 cm from the floor. They must also remain at least 50 cm apart and 50 cm from the transition between the bank and the floor.
- 2.5.3 The PVC piping is KIWA or KOMO-certified and is of Class 26 or ND. 10.
- 2.5.4 All connections up to the valve are adhesive connections and are sealed with adhesive suitable for pressure pipes. These pipes may not be subjected to pressure until 24 hours after installation.
- 2.5.5 Pipes must be installed on site and the trenches in which they are installed must be compacted during filling.
- 2.5.6 Double vent valves must be fitted in the filling/drain line. Non-plastic valve parts will be adequately protected against corrosion. Moving valve parts will be lubricated.
- 2.5.7 The spill well is a plastic barrel (HDPE) with a minimum capacity of 192 litres.
- 2.5.8 Pipes not installed at frost-free depths must be protected against freezing.
- 2.5.9 Inlet and outlet pipes are routed through the floor into the lagoon and connected to the floor liner using so-called "clamping flanges". Mixing pipes are routed through the film liner with a plate/sleeve structure.
- 2.5.10 At the location of the valves and spill well, a collision protection device must be present for the purpose of direct collision.

2.6 Weather Conditions

Installation of the pipes and the system depends strongly on weather conditions; bad weather can affect the materials and installation of the Genap slurry lagoon.

Adhesion of PVC pipes may only take place at 5°C or higher.

The liners may only be installed at 5°C outside temperature or higher and at

5°C film liner temperature or higher. Moreover, the wind force must be 4 Bft. or lower, this will be left to the discretion of the foreman on site.

Note: The film liner used complies with the Assessment Guideline BRL-K2342 "Slurry Lagoons and Covers for Slurry Lagoons, a publication of KIWA NV, Rijswijk.

Environmental factors may affect the welding process and thus the quality of the connection, which is why the following premises have been established.

- The film liner may not be welded during precipitation and high humidity conditions.
- The film liner may not be welded at +5°C or lower without taking measures.

2.7 Structure of the Genap Slurry Lagoon

Installation of the Genap slurry lagoon takes place by agreement about 3 weeks after the installation of the pipes and/or determination of the liner size. The liner size is determined as soon as possible after installation of the pipes.

In almost all cases, both bottom and top liner will be delivered in custom sizes. If this is not possible for large lagoons, field welding will be used.

A (construction) crane ordered by Genap b.v. or a third-party coordination department is sent to the site. The installation team and, if necessary, assisting staff will install and roll out the film liner on the dike using the cranes.

The number of assisting staff will depend on the size of the Genap slurry lagoon,

which is determined by dividing the square metres of film (per liner) by 45kg, assuming a specific weight of 1kg/m2 of film.

The number of assisting staff or the combination of assisting staff and crane use is determined in consultation with the Coordination department.

Installation of a mixer will require hiring an extra crane.

Assisting staff will need to be available throughout the day for installation of the system. Earthworks are typically organised and paid for by the customer. Digging and closing of the spit-deep trench can be carried out by the assisting staff (using shovels).

Unless otherwise specified in the acceptance agreement, the customer must install fencing around the lagoon.

2.8 Commissioning

Note: The pipework must be applied with pressure after 24 hours.

When construction and installation are completed, one of the Genap b.v. engineers will provide you with general information about the use and maintenance of the Genap slurry lagoon.

To ensure that the Genap slurry lagoon is used and maintained properly, we advise you to carefully read the use and maintenance instructions provided in this manual.

The outside lagoon banks must be protected against rainwater erosion after the Genap slurry lagoon has been delivered. We can supply and install Genatex® bank protection when you purchase the system.

If you choose not to opt for this option, you must then protect the bank, for example with ground cover plants, anti-erosion vegetation, turf and the like.

To ensure the stability of the dike bodies, rainwater should be discharged from the outer bank and the adjacent ground level. Additional measures should be taken where necessary.

3 Use and Maintenance Instructions for the Genap Slurry Lagoon

3.1 General

3.1.1 These use and maintenance instructions apply to Genap b.v.'s slurry lagoons consisting of a soil embankment with a floor film liner and an optional floating cover.

This structure will be further referred to as "Genap slurry lagoon".

3.2 Use

- 3.2.1 When in use, the (optional) mixing hatch must always be closed.
- 3.2.2 Mixing hatches may only be opened for inspection and during mixing.

 Note: always keep your head away from the opening to avoid inhaling dangerous gases!
- 3.2.3 Never secure a ladder or other climbing device to the outside of the Genap slurry lagoon to reach the floating cover.
- 3.2.4 Immediately following installation, fill the lagoon with about 10-15 cm of slurry or water.
- 3.2.5 The lagoon can best be filled with adequately premixed slurry. Grinding and straining will prevent 50mm slurry lumps or foreign objects from entering the system.
- 3.2.6 The lagoon may be filled up to 20cm below the top edge.
- 3.2.7 Before pumping slurry out of the lagoon, first pump out or remove the water from the cover, then mix the slurry until it is smooth and consistent. If the water is not removed from the cover, it will flow to the deepest point the location around the suction line on the cover and prevent efficient pumping action.
- 3.2.8 To prevent damage, all visible water must be removed from the cover, especially before the last 50 to 60 cm of slurry is pumped out.
- 3.2.9 Make sure that the amount of slurry that is pumped in or out does not exceed the pumping capacity, the slurry should be given sufficient opportunity to flow freely. To prevent damage to the lagoon, it is advisable to monitor the pumping in and out of the slurry.

The lagoon must contain at least 10 cm of slurry or water to stabilise the film liner.

3.2.10 Pumping Capacity

Below is an overview of an indication of the maximum and minimum pumping capacities per type of piping and per diameter (this, of course, depends on several factors, the abovementioned capacities are therefore indicative):

Suction and Filling Line: Ø 250 mm: Max. 150m³/h. Min. n/a Ø 315 mm: Max. 250m³/h. Min. n/a

- 3.2.11 The spill tank must be drained regularly to remove any slurry that spills over into it.
- 3.2.12 A mixing hatch or mixer can be installed in the system for mixing purposes. For use and installation, please contact us for advice.

3.3 Maintenance and Safety

3.3.1 Carry out a thorough inspection of the slurry lagoon on a weekly basis. Heavy rainfall, snow or wind may make additional inspections necessary. During visual inspections, always determine whether the entire system, including safety devices, are in good condition.

Repair all identified damage or defects as quickly as possible.

In the event of damage to the lagoon, contact Genap b.v. or the reseller immediately. See also our warranty terms.

When carrying out the visual inspection, ensure that:

- All mixing hatches are properly closed
- In the event of snow, make sure that: There is no snow accumulation or local subsidence
- There is a pool of water on the cover to prevent it from blowing away in high winds. Gravel bags are placed on the cover (inside the dike) to facilitate the pumping out of rainwater. In extreme winds, these gravel bags prevent the cover from blowing away. Check the on-site gravel bags for functionality, etc.

- 3.3.2 The perimeter of the lagoon must be protected with such structures that components such as valves, piping and the like cannot be hit by passing or slurry-processing vehicles. Check these structures regularly and keep them in good condition.
- 3.3.3 Keep valves closed after use and remove the key. Keep moving parts in good working order by lubricating them. Clean and protect corroded parts with a corrosion-resistant coating. Double valves must be fitted in the filling / extraction line.
- 3.3.4 Remove overhanging branches and shrubs, etc., along the lagoon.

 Vegetation around the system should not be allowed to build up on the fencing or the lagoon edge so as to allow children to climb over them.
- As the frost season approaches, check that the system, including safety devices, are in good condition. Pipes not installed at frost-free depth must be protected against freezing. Prior to the frost season, remove the excess water that has pooled on the cover.
 During the frost season, carry out regular checks to ensure that no frost damage can occur. In the event of damage or possible future damage, contact Genap b.v. or the reseller for advice about the situation.
- 3.3.6 Fencing with a minimum height of 1.80 metres must be installed around the lagoon. Keep the fencing locked if immediate monitoring cannot be conducted. Keep the fencing and the gateway in good condition.
- 3.3.7 A "climbing lane" of sufficient strength and weight must be provided in each corner of the lagoon to allow people and animals to climb out of the lagoon. A suitable climbing lane is, for example, a rope ladder that is firmly secured to a pole in the crest.
- 3.3.8 Check the area in or around the lagoon for rodents and animals.
- 3.3.9 Repair washed-away parts of the dike body immediately. Secure parts of the film liner that have come loose in the key trench right away.
- 3.3.10 Contact Genap b.v. or the reseller for advice if defects are observed. See also the warranty terms.

3.4 Inspection of the Genap Slurry Lagoon

Genap slurry lagoons must be inspected by a certified professional/company before the expiration of the reference period. Contact Genap b.v. for such inspection. The reference period for the Genap slurry lagoon is 10 years.

3.5 Floating Cover

The following maintenance instructions apply to Genap slurry lagoons fitted with a floating cover.

4 Use and Maintenance Instructions for the Floating Cover of the Genap Slurry Lagoon

4.1 General

These use and maintenance instructions apply to the slurry lagoon floating covers manufactured by Genap b.v. The floating cover consists of a film liner that has a size similar to the bottom film liner, which lies on the floor when the lagoon is empty. Additional floaters with degassing pipes are fitted in the floating cover. This does not guarantee that gas will not accumulate under the floating cover. The cover floats and moves with the rising and falling liquid level in the lagoon.

4.2 Use

- 4.2.1 When in use, the (optional) mixing hatch must always be closed.
- 4.2.2 Mixing hatches may only be open(ed) for inspection and during mixing.

 Note: always keep your head away from the opening to avoid inhaling dangerous gases!
- 4.2.3 Never secure a ladder or other climbing device to the outside of the Genap slurry lagoon to reach the floating cover.
- 4.2.4 Immediately following installation, fill the lagoon with about 10-15 cm slurry or water.
- 4.2.5 The lagoon can best be filled with adequately premixed slurry. Grinding and straining will prevent 50mm slurry lumps or foreign objects from entering the system.
- 4.2.6 The lagoon may be filled up to 20cm below the top edge.
- 4.2.7 Before pumping slurry out of the lagoon, first pump out or remove the water from the cover, then mix the slurry until it is smooth and consistent. If the water is not removed from the cover, it will flow to the deepest point the location around the suction line on the cover and prevent efficient pumping action.
- 4.2.8 To prevent damage, all visible water must be removed from the cover, especially before the last 50 to 60 cm of slurry is pumped out.
- 4.2.9 Make sure that the amount of slurry that is pumped in or out does not exceed the pumping capacity, the slurry should be given sufficient opportunity to flow freely. To prevent damage to the lagoon, it is advisable to monitor the pumping in and out of the slurry.

The lagoon must contain at least 10 cm of slurry or water to stabilise the film liner.

4.2.10 Pumping Capacity

Below is an overview of an indication of the maximum and minimum pumping capacities per type of piping and per diameter (this, of course, depends on several factors, the abovementioned capacities are therefore indicative):

Suction and Filling Line: Ø 250 mm: Max. 150m³/h. Min. n/a Ø 315 mm: Max. 250m³/h. Min. n/a

4.2.11 The spill tank must be drained regularly to remove any slurry that spills over into it.

4.3 Maintenance and Safety

- 4.3.1 Carry out a thorough inspection of the slurry lagoon on a weekly basis. The following additional checks are recommended in case of heavy rainfall, snow or wind. Check that: During visual inspections, always determine whether the entire system, including safety devices, are in good condition.
- 4.3.2 When carrying out the visual inspection, ensure that:
 - all mixing hatches are properly closed;
 - In the event of snow, make sure that: there is no snow accumulation or local subsidence;
 - There is a pool of water on the cover to prevent it from blowing away in high winds. We place gravel bags on the cover (inside the dike) to facilitate the pumping out of rainwater. In extreme winds, these gravel bags prevent the cover from blowing away. Check the on-site gravel bags for functionality, etc.
- 4.3.3 Remove overhanging branches and shrubs, etc., along the lagoon.

 Vegetation around the system should not be allowed to build up on the fencing or the lagoon edge so as to allow children to climb over them.

- 4.3.4 As the frost season approaches, check that the system, including safety devices, is in good condition. Pipes not installed at frost-free depth must be protected against freezing. Prior to the frost season, remove the excess water that has pooled on the cover.
 During the frost season, carry out regular checks to ensure that that the slurry lagoon floating cover is in good
 - condition and that no frost damage can occur. In the event of damage or possible future damage, contact Genap b.v. or the reseller for advice about the situation.
- 4.3.5 Fencing with a minimum height of 1.80 metres must be installed around the lagoon. Keep the fencing locked if immediate monitoring cannot be conducted. Keep the fencing and the gateway in good condition.
- 4.3.6 A "climbing lane" of sufficient strength and weight must be provided in each corner of the lagoon to allow people and animals to climb out of the lagoon. A suitable climbing lane is, for example, a rope ladder that is firmly secured to a pole in the crest.
- 4.3.7 Check the area in or around the lagoon for rodents and animals.
- 4.3.8 Repair washed-away parts of the dike body immediately. Secure parts of the film liner that have come loose in the key trench right away.
- 4.3.9 Genap b.v. or the reseller must be immediately informed if defects are observed. See also the warranty terms.

4.4 Inspection of the Floating Cover of the Genap Slurry Lagoon

Floating covers must be inspected by a certified professional/company before the expiration of the reference period. Contact Genap b.v. for such inspection. The reference period for the Genap slurry lagoon is 10 years.

5 Genap b.v. Sales Procedure

The relevant sales process takes place in accordance with the ISO 9001 Quality Manual of Genap b.v. The agreements regarding the orders are laid down in a traceable manner.

6 Genap Slurry Lagoon Warranty Certificate

CERTIFICATION

1. The supplier certifies that the construction materials and/or installed structures it has supplied comply with the requirements of the National Assessment Guideline for the KOMO Process Certificate for Slurry Lagoon Covers, BRL-2342, i.e. the guidelines that are in force and applicable as at the time of entering into the agreement;

WARRANTY

Discharge and Scope of the Warranty

2. The supplier provides the following warranty:

If, during the warranty term, the slurry density turns out to be lower than expected due to the poor quality of the construction materials it has supplied, as described in the National Assessment Guideline for the KOMO Process Certificate for Slurry Lagoon Covers, BRL-2342, i.e. the guidelines that are in force and applicable as at the time of entering into the agreement, the supplier will promptly repair the materials at the request of the client and at its own expense, with due observance of the contributions determined below:

Duration of the Warranty Period

3. This warranty will enter into force upon completion/delivery of the work and will stay in force for a period of 10 years. In the event of installation by dealers, it will enter into force upon delivery of the materials.

Write-Off and Own Contribution

4. The materials or structures supplied are deemed to have been written off in tabular form during the warranty period. When the warranty is invoked, the client agrees to contribute up to 10% of the repair or redelivery costs - which will be determined by mutual agreement - for concrete, steel, wood, mortared and film liner structures for each full year that has passed following the entry into force of this warranty.

For example, when the warranty is invoked, the client will be required to contribute 50% of the total repair costs after 5 years. However, the costs of repair or redelivery of materials by the supplier will never exceed the invoice value of the delivered construction materials.

Delivery by Supplier

5. This warranty applies exclusively to the systems or structural parts, such as sealing structures, supplied by the supplier.

Accessibility

6. In the event that the system needs to be repaired, the client will ensure that the system is empty, clean, and easily accessible for the supplier's staff and equipment and that any parts not supplied by the supplier are disassembled or removed at its own expense if such is necessary in the opinion of the supplier.

Consent for Alterations

7. The client shall not be entitled to apply alterations to delivered slurry lagoons or structural parts without the written consent of the supplier. The supplier may only withhold such consent for architectural reasons.

Notification of Defects

8. The client shall be required to notify the supplier in writing of any defects in the work as soon as possible and in any event within 2 weeks of observing such defects. The complaint handling process takes place as described in the ISO 9001 Quality Manual of Genap b.v.

Inspection by the Client

The client agrees to regularly and thoroughly inspect the system for defects.

Maintenance

10. The client shall be required to regularly maintain the relevant components in accordance with the maintenance instructions provided by the supplier.

Exclusion

- 11. The following are not covered by the warranty
- a. defects resulting from: normal wear and tear, failure to perform maintenance, improper maintenance and improper use or damage resulting from mechanical breakdown or failure;
- b. defects resulting from: storms, abnormally high water levels, flooding, snow(drift), fire, burglary, destruction, rodent damage, soil gases, etc.;
- c. supplied peripherals and accessories, including mixers, valves, piping, fencing, etc.

Void

- 12. The warranty will be rendered void if:
- a. repair or other work is performed on the object of the warranty by third parties other than the supplier, unless Genap b.v. has consented to such repair or work in writing;
- b. payment of the amount due by the client in respect of the construction is not made within 30 days of receipt of the last invoice;
- defects are not notified in writing to the supplier within 2 weeks of observing such defects;
- d. The system is used for a purpose other than the intended purpose, or the client has modified the capacity of the system, for example by changing the normal characteristics of the slurry environment by adding preparations.

OTHER PROVISIONS

Exclusion of Other Liability

Other than the repair or redelivery obligations set out in this warranty, the supplier shall not be liable for any other damage or loss of any kind, including consequential damage or loss.

This warranty certificate falls under the General Terms and Conditions of Delivery of Genap b.v. and will become effective when the customer signs the acceptance agreement upon completion.

7 General Terms and Conditions of the Private Limited Company, Genap B.V.

General Terms and Conditions of Genap BV, with registered office and principal place of business in 's Heerenberg, filed under Commercial Register no. 09028839 at the Arnhem Chamber of Commerce and Industry.

General Provisions (Articles I to 5 inclusive)

Article I: General

1.1

These General Terms and Conditions shall apply to all offers, order confirmations and agreements concluded by Genap for contracting of work, purchase and delivery, as well as consultancy, to the extent not agreed otherwise expressly and in writing.

1.2

Stipulations varying from these terms and conditions shall only be valid if confirmed in writing by Genap.

Article 2: Proposal

2.1

A proposal by Genap shall be without obligation, unless a period for acceptance is included in the proposal. An offer shall be valid for 30 days after it is made known to the other party in writing. After the expiry of this period, Genap shall no longer be bound to fulfil its offer. 2.2

The proposal or order confirmation shall be deemed to correctly and completely represent the extent of the agreement.

2.3

Genap shall be entitled to deliver other building material, varying from the building material prescribed by the other party, provided it is of a similar quality, having regard to the functionality of the property to be completed. Genap shall further vouch for the equivalence thereof towards the other party.

2.4

The offers and estimates stated in the proposal and order confirmation shall be made on the basis of the prevailing prices and specifications at that time. Genap shall not be obliged to perform the agreement at a price stated in the offer or order confirmation, if this price is based on an obvious printing or clerical error, a measurement error relating to the quantity of square metres of foil to be processed or a clear calculation error.

2.5

Drawings, technical descriptions, designs and calculations produced or commissioned by Genap shall remain its property, regardless of whether the costs thereof have been charged. The copyright of the aforementioned documents shall vest in Genap at all times. The aforementioned documents may not be made available to third parties, disclosed for the purpose of obtaining a comparable offer, or used for the purpose of obtaining an advantage for oneself or third parties. The aforementioned documents may likewise not be copied or otherwise reproduced without Genap's written consent.

2.6

If no order is placed, the documents referred to under 2.5 must be returned postage paid to Genap, within 14 days of a request from Genap for that purpose.

2.7

If the offer is not accepted, Genap shall be entitled to charge the costs involved in producing the proposal to the party that requested it, provided Genap stipulated this as a condition for the submission of the proposal.

2.8

The other party shall be liable for the consequences of compliance with statutory rules or government provisions that come into effect after the date of the proposal, unless it must reasonably be accepted that Genap could have already anticipated those consequences on the date of the proposal.

Article 3: Agreements

3.1

Agreements (including telephonic orders, amendments and supplements) shall only come into effect if Genap confirms these in writing to the other party and the other party does not object to the

content thereof in writing within three working days by means of a registered letter to be returned with signature.

3.2

Every agreement is concluded by Genap under the suspensive condition that the creditworthiness of the other party has been adequately proved. During the performance of the agreement, Genap shall be entitled to request security regarding the other party's creditworthiness, at the other party's expense.

Article 4: Price Alterations

4 I

If salary expenses and/or the cost of fuel and building materials increase after the parties enter into the agreement, adjustments shall take place according to Article 01.04 of the Standard RAWI Specifications of 2005 or its administrative successor.

4.2

If a scheduling overrun - which is of such a nature that Genap was not required to take it into account in the determination of its price - takes place on account of unforeseen circumstances that cannot be attributed to Genap, and the cost of the work significantly increases as a result, Genap shall inform the Client hereof in writing as quickly as possible. In that case, Genap shall be entitled to pass on the increased charges to the Client, if the price of its work increases by more than 5%, excluding VAT.

Article 5: Force Majeure

5 1

If it proves difficult or impossible on account of force majeure for Genap to perform the agreement after it is concluded, it shall be entitled - to the extent that performance is still required under the agreement - to either terminate the agreement at its discretion, or to suspend the performance thereof in consultation with the Client. In these cases, Genap must inform the Client as quickly as possible in writing, having regard to the circumstances of the case, and shall not be obliged to pay compensation.

5.2

Force majeure includes every situation in which Genap cannot fulfil the agreement, or a part thereof, as the result of circumstances that are beyond its control and which likewise cannot be attributed to Genap under the law or according to currently prevailing opinions. 5.3

At least the following shall be considered as force majeure for Genap: war, threat of war, martial law, mobilisation, flooding, fire, explosives, sit-ins, strikes, non-delivery or late deliveries by suppliers/product transport problems - whether or not these suppliers or products are prescribed by the Client - new laws, rules or decrees by the government that completely or partially hinder the performance of the work.

Specific Terms and Conditions for Contracting of Work (Articles 6 to 19 inclusive)

Article 6

6.

In addition to Articles I to 5 inclusive, Articles 7 to 19 inclusive shall apply to all agreements for contracting of work concluded between Genap as the Contractor and other party, to be referred to hereinafter as the "Client".

Article 7: Client's Obligations

7.1

The Client shall ensure that Genap has the following in due time:
a) the approvals (such as permits/licences, etc) required for the organisation of the work, in consultation with Genap if necessary;
b) adequate facilities for delivering, storing and/or removing building materials and equipment;

c) connections for electrical machines, lighting and water.

7.2

The Client shall be liable for the costs of the required electricity, sanitary facilities and water.

7.3

The Client must ensure that work and/or deliveries to be performed by other parties, which do not form part of Genap's work, are

performed in such a way and in such due time that Genap's work is not delayed as a result. The Client must ensure that work and/or deliveries to be performed by other parties, which do not form part of Genap's work, are performed in such a way and in such due time that Genap's work is not delayed as a result.

7.4

The Client must take out insurance that lists Genap as a co-insured, all to the extent that such is necessary and usual according to the nature and scope of the work. The Client shall furnish Genap on demand with the terms and conditions of the insurance, as well as written proof of the existence and content thereof. Genap shall also be entitled to have access to premium payment records to determine whether the Client will keep the insurance in force.

Article 8: Client's Liability

8.1

The Client shall bear responsibility for the constructions it prescribes or which are prescribed on its behalf, the choice of foil thickness and strength, the presented calculations, the provided soil parameters and working methods, including the influence of the soil composition thereon, as well as for orders and instructions that it gives or which are given on its behalf.

8.2

The Client must take out insurance that also covers the equipment and material Genap delivers to the construction site against loss, damage caused by third parties and theft. The Client shall bear responsibility for the proper and safe enclosure of the construction site.

8.3

If the building materials or tools that the Client makes available or prescribes prove to be defective, the Client shall be liable for the resultant damage.

8.4 The Client shall be liable for damage to the work resulting from activities or deliveries that it carries out or which are carried out by third parties under its instructions.

8.5

If it turns out after the conclusion of the agreement that the construction site is polluted, or that the building materials from the work are contaminated, the Client shall be liable for the resultant consequences thereof for the performance of the work. 8.6

If necessary due to the nature of the work, the Client shall hold a construction meeting with Genap and the duct managers prior to the commencement of the work, so as to inform Genap about the exact location of the underground cables and ducts located in or close to the work and work site and to determine what must happen in that regard. Where relevant, the Client shall be liable at all times to report the relevant work to the Cable and Duct Information Centre (KLIC) in the region of the location of the work.

Article 9: Genap's Obligations

9

Genap possesses a KIWA KOMO processing certificate for the processing of synthetic foil and undertakes to perform its work properly, thoroughly and in accordance with the provisions of the agreement. The standard of the work to be performed by Genap shall be in accordance with the issued KIWA KOMO processing certificate 9.2

Genap must perform the work in such a way that injury or damage to people, property or the environment is limited as far as possible. Also Genap is obliged to follow the orders and instructions given by or on behalf of the Client, it may decide at its own discretion how to perform the work.

9.3

The work and the performance thereof shall be Genap's responsibility as from the time of commencement up to and including the day on which the work is regarded as complete in accordance with Article 16. 9.4

If and to the extent any dispute arises between the parties as to what must be regarded as proper and thorough professional work, the parties shall seek answers as far as possible in the prevailing practices in the foil industry and the terms and definitions of the documents referred to in Article 9.1 shall be used as far as possible as a point of reference.

Article 10: Genap's Liability

10.1

Notwithstanding the liability of parties under the agreement or by law, Genap shall be liable for damage to its work, unless this damage is the result of exceptional circumstances for which Genap did not have to take appropriate measures in relation to the nature of the work and with regard to which it would be unreasonable for Genap to be held liable.

102

Genap's liability for defects occurring in the work shall be limited to the costs of repairing the defective part thereof, subject to a maximum of 10% of the contract price, excluding VAT.

103

Genap shall be liable for damage to other works and properties of the Client to the extent this is caused and attributable to the negligence, carelessness or incorrect actions of Genap, its personnel, subcontractors or suppliers.

The aforementioned liability is likewise limited to that stated in the previous sub-article of this article.

10.4

in all cases, liability for consequential damage, trading losses and other indirect damage by Genap is excluded and shall not be accepted.

Article II: Term of Execution

11.

Unless otherwise agreed in writing, the term for the execution of the work shall not be regarded as a strict deadline for Genap. Although Genap shall employ its utmost efforts to complete the work within the period required by the Client, the nature of Genap's work is such that it is dependent on weather conditions.

11.2

Genap shall be entitled in all cases to extend the period in which the work will be delivered if it cannot be demanded of Genap to deliver the work within the agreed period on account of force majeure, circumstances that arise for which the Client is liable or amendments to the agreement or terms of execution. This shall also apply in the event that the documents, information, calculations, permits, etc that are necessary for the performance of the work are not available on time

Article 12: Information

12.1

Genap shall be kept fully informed by the Client both prior to the conclusion of the agreement and during the performance of the work with regard to all matters that may be of importance for the portion of the work in which Genap is involved.

12.2

The Client shall invite Genap in writing to attend all construction and other meetings at which the portion of the work to be performed by Genap will be discussed. The Client warrants that Genap shall be kept informed in writing regarding the construction reports, weekly reports and all documents that are important for Genap to be able to perform its work properly, as produced by the Client/construction management.

12.3

Genap shall keep daily/weekly records of the work that it performs, which shall include the progress and condition of the work, the number of days that could not be worked, the delivery, removal and approval of building materials, the delivery and removal of equipment and tools, alterations to the specifications, processed quantities, orders and instructions from the Client, as well as any verbal agreements made at the construction site. Genap's construction records with regard to the number of hours worked and the quantity of processed materials shall be binding, subject to contrary evidence to be provided by the Client.

Article 13: Contract Price

13.1

Unless otherwise stipulated, the price quoted in the proposal or order confirmation is a fixed contract price, excluding VAT.

The amount that accrues to Genap under the agreement is the balance, made up by the contract price increased or reduced by that which is otherwise due to or by it with regard to the agreement. 13.3

The payment of invoices must be made to Genap into one of its designated bank and/or giro accounts, without discount or set-off, within 30 days of the invoice date, unless agreed otherwise in writing. 13.4

If the Client fails to comply or does not comply in time with this payment obligation, it shall be in default by operation of law, without the need for any form of notice of default for this purpose. The Client shall then be indebted towards Genap for statutory commercial interest, plus 3% of the invoice amount, or the part thereof that is outstanding at the time, calculated for each day that the Client remains in breach.

13.5

As a financial incentive to ensure the Client complies punctually and strictly with its payment obligations, the Client shall be liable to pay an immediately due and payable penalty, which is not open to reduction, of 10% of the outstanding capital amount, including VAT, and subject to a minimum of $\leqslant 350$ (three hundred and fifty euros) if it fails to pay or does not pay the due amount on time.

13.6

If the Client does not pay on time, Genap shall be entitled to either suspend the performance of the work until the Client has paid the outstanding amount or to terminate the work in its finished state. The provisions of Article 15 shall apply *mutatis mutandis* to the suspension and termination of the work in its unfinished state. Genap shall be entitled at all times to exercise a right of retention over the foil construction that it has already installed.

Article 14: Alterations to Specifications

14.1

Alterations to specifications include alterations to the specifications, the work, or the terms of execution of the work.

14.2

Amendments to the agreement or the terms of execution of the work shall be agreed upon in writing. The absence of a written order shall not affect Genap's claims for the settlement of additional work. In the absence of a written order, Genap's records relating to the additional work performed shall be binding, subject to contrary evidence to be provided by the Client.

14.3

Alterations to specifications shall be settled at the amounts or prices that are agreed upon as quickly as possible between the Client and Genap for the performance of the alterations.

14.4

Genap shall accept orders to alter specifications, even if the extent of the work is increased or decreased as a result, subject thereto that the total additional payments and deductions do not each amount to more than 15% of the contract price or that the balance of the additional payments and deductions do not amount to more than 10% of the contract price.

Article 15: Suspension, Termination of the Work in an Unfinished State and Cancellation

15.1

The Client shall be authorised to completely or partially suspend the performance of the work. Measures that Genap must take as a result of the suspension shall be settled as additional work. Genap must be compensated for damage that it suffers as a result of a suspension, or a delay as referred to in Article 11(2) of these terms and conditions, irrespective of the cause thereof.

This damage includes, but is not limited to costs due to business interruptions, non-productivity, continuous construction site costs, including equipment hire, the deployment of subcontractors, etc. 15.2

The Client shall be entitled to cancel the agreement, in whole or in part, at all times. In that case, Genap shall be entitled to the contract price, plus the costs that it had to incur as a result of the noncompletion, minus the costs it saved on account of the cancellation, plus 10% of the difference between the resultant amount and the contract price. Genap shall send the Client a specified final statement of that which the Client owes on account of the cancellation.

1 5 2

Genap shall be entitled without recourse to the courts to terminate the agreement with immediate effect and/or to enforce all its claims against the Client in the event of bankruptcy, a moratorium on the payment of the Client's debts or if the Client does not furnish Genap with adequate security for the performance of its obligations upon demand. In such a case, a final settlement shall take place in accordance with the provisions of sub-article 2 of this article.

15.4

Genap shall not be liable for any damage to the work that arises during the suspension.

15.5

if the suspension lasts longer than 14 days, Genap may furthermore claim payment of a pro-rata amount for the portion of the work that it has completed. In this regard, building materials that Genap has already paid for and delivered to the work, but which have not yet been processed, shall be taken into account.

15.6

If the suspension of the work lasts for longer than one month, Genap shall be entitled to terminate the work in an unfinished state. In that case, settlement must take place in accordance with the provisions of sub-article 2.

15.7

if the performance of the work becomes impossible because the item on which or to which the work must be performed is destroyed or lost, for reasons that cannot be attributed to Genap, or if the order to Genap is cancelled, Genap shall be entitled to an amount calculated in accordance with sub-article 2 of this article.

Article 16: Delivery

16.1

In all cases, Genap shall be deemed to have delivered its work where the Client actually puts it to use. This also includes the situation where the Client has further earthmoving activities and other work performed, such as but not limited to ballasts.

. 16.2

The legal consequence of delivery is that risk passes to the Client at that moment.

Article 17: Revision Documents

17.1

On the Client's demand, Genap shall provide it after the date of delivery with the revision documents, including drawings on which the numbered foil strips, the date on which the strips were welded to each other, the position in which they were laid and the charge number of the supplier are recorded, among other things. The Client undertakes in the event of future work to provide the relevant revision details for the work in question to third parties that must carry out earthmoving activities at the site of the foil construction so that mechanical damage to the foil constructions installed by Genap is avoided at all times. Where appropriate, the Client may merely prove the handover of the revision documents by means of a card that the recipient has signed, dated and returned by post.

Article 18: Liability after Delivery

18.1

Subject to the provisions of Article 19 relating to the guarantee, Genap shall not be liable any further after the date of delivery of the work for shortcomings therein, unless the work or any part thereof contains a defect that can be attributed to Genap, its suppliers, subcontractors or personnel, which the Client could not reasonably have recognised earlier and of which it notified Genap within a reasonable period after the discovery thereof.

18.2

Every claim due to a defect in the delivered work shall not be admissible if it is instituted later than two years after the Client objected thereto.

18.3

A claim by reason of a defect as referred to in sub-article I shall not be admissible in any case if it is instituted after five years have elapsed since the date of delivery.

Article 19: Guarantee

19.

If and to the extent Genap's supplier has given a guarantee on the material and the welding seam made by Genap on the foil that it delivers, the content of this guarantee shall continue to be effective for the Client in all respects through Genap. The content of this guarantee shall be determined on the basis of the guarantee certificate provided by the supplier to Genap, which Genap shall make available to the Client after delivery.

19.2

The period of the guarantee relating to the impermeability of the welding done by Genap in its work shall be stated in the table of the guarantee certificate. The guarantee shall take effect from the moment that the work is regarded as delivered in accordance with Article 16.

Genap shall inspect every test weld under certified conditions in its laboratory and the result of the test shall be recorded in accordance with the document referred to in Article 9 (1). In view of the

objectivity of the inspection of the test weld, the result thereof shall be binding on the parties, subject to contrary evidence to be provided by the Client.

Special Terms and Conditions of Purchase (Article 20 to 24 inclusive)

Article 20

In addition to Articles I to 5 inclusive, Articles 2I to 24 inclusive shall apply to all agreements for purchase and delivery concluded between Genap as the Seller and its other party, to be referred to hereinafter as the "Purchaser".

Article 21: Delivery and Risk

21.1

If carriage paid delivery has been agreed, the purchased goods shall travel at Genap's risk and expense.

21.2

In all other cases, the goods shall travel at the Purchaser's expense and risk.

21.3

The choice of the means of transport shall rest with Genap.

Genap shall not be liable if damage and/or defects detected upon the arrival of the goods, when transport is at Genap's risk, is not noted immediately on the accompanying waybill, delivery note or similar document that is to be sent back.

21.5

The goods shall be deemed to have been delivered by Genap and accepted by the Purchaser:

- a) in the case of delivery ex warehouse, as soon as the goods are loaded in or on the means of transport;
- b) In the case of carriage paid delivery, as soon as the goods are transported to site and offloaded.

21.6

In the case of carriage paid delivery, Genap does not have to transport the goods further than to where the vehicle can access a construction site that has been made properly passable and safe. Delivery shall then take place before offloading.

Article 22: Complaints

22. I

The waybill, delivery note or similar document provided upon delivery shall be deemed to record the quantity and correct type of the delivered product. Complaints relating to patent defects, or defects that can be easily determined or verified, must be stated in writing on the consignment documentation immediately upon receipt, failing which the right to complain shall lapse.

22.2

The Purchaser shall be obliged to inspect the building material delivered to it by Genap by means of *inter alia* verifying the technical specifications, as well as that the delivered order corresponds with what it ordered, before the building material can be used. 22.3

If and to the extent that Purchaser has used and completely or partially processed the building materials in the work, the delivered items shall be regarded as approved, subject to contrary evidence to be provided by the Purchaser.

22.4

Complaints relating to latent defects in the delivered items must, in view of the nature and the purpose for which they are processed, be reported in writing to Genap immediately upon the discovery thereof, at least no later than two working days afterwards, so that Genap is afforded the opportunity to have further inspections carried out. 22.5

If a complaint is well-founded, Genap shall at its discretion proceed to deliver replacement products free of charge or to pay compensation with due observance of the provisions of Article 23.

22.6

The right to the delivery of replacement items/compensation shall lapse if the Purchaser does not immediately place Genap in default, as referred to in Article 22 (1) and 22(4), stating its reasons in writing, by registered post with return signature.

22.7

A claim by reason of non-conformity or attributable breach shall not be admissible if it is instituted after two years have elapsed since the date on which Genap delivered the items. For this purpose, Genap's records shall be decisive in determining the time of delivery, subject to contrary evidence to be provided by the Purchaser.

Article 23: Liability

23.1

Genap shall only be liable for direct damage suffered by Purchaser, which is the direct and sole consequence of its fault, provided that only damage against which Genap is insured, plus the policy excess amount, shall qualify for compensation.

23.2

In the event that the insurance taken out by Genap does not provide policy cover, or if payment is not made, Genap's liability shall in all cases be limited to 50% of the invoice value, corresponding to the relevant delivery under the purchase agreement, excluding VAT. 23.3

Genap shall never be liable for consequential damage and indirect trading losses, including but not limited to damage arising from business interruptions, construction delays, so-called further development losses, loss of orders, loss of profits, administration costs and the like, all in the broadest sense of the word.

Article 24: Payment Terms and Reservation of Title

24.

The payment of invoices on account of delivered goods must be made to Genap into one of its designated bank and/or giro accounts, without discount or set-off, within 30 days of the invoice date, unless agreed otherwise in writing.

24.2

If the Purchaser fails to comply or does not comply in time with this payment obligation, it shall be in default by operation of law, without the need for any form of notice of default for this purpose. The Purchaser shall then be indebted towards Genap for statutory commercial interest, plus 3% of the invoice amount, or the part thereof that is outstanding at the time, calculated for each day that the Purchaser remains in breach.

24.3

As a financial incentive to ensure the Purchaser complies punctually and strictly with its payment obligations, the Purchaser shall be liable to pay an immediately due and payable penalty, which is not open to reduction, of 10% of the outstanding capital amount, including VAT, and subject to a minimum of €350 (three hundred and fifty euros) if it fails to pay or does not pay the due amount on time.

24.4

In all cases in which delivered items have not been fully paid by the Purchaser, the delivered items shall remain Genap's property until the Purchaser has fully settled all its obligations towards Genap with regard to all items delivered or to be delivered under any agreement to the Purchaser. The aforementioned shall apply *mutatis mutandis* to all claims on account of any breach by the Purchaser of its obligations towards Genap under such agreements.

24.5

The Purchaser may not pledge or grant third parties any other right to items that are delivered under reservation of title.

24.6

The relevant records kept by Genap shall be binding for the purpose of determining the Purchaser's payment obligation under a purchase agreement concluded with Genap, subject to contrary evidence to be provided by the Purchaser.

Article 25: Cancellation

25.

The Purchaser shall be entitled to cancel the agreement, in whole or in part, at all times. In that case, Genap shall be entitled to the purchase price, plus the costs that it had to incur as a result of the non-delivery, minus the costs it saved on account of the cancellation, plus 10% of the difference between the resultant amount and the purchase price. Genap shall send the Purchaser a specified final statement of that which the Purchaser owes on account of the cancellation.

TECHNICAL CONSULTANCY Article 26

26.1

By means of a service, and at the initiative of an engineering firm engaged by the end user, Genap shall provide advice free of obligation

from time to time, including providing the wording for specifications relating to the use of foil constructions.

6.2

In providing such advice, the party seeking advice should be aware of the fact that the advice is given free of obligation and is not project-specific. The party seeking advice shall bear responsibility itself at all times for the functional suitability of the foil construction in relation to the environment in which the foil is being applied.

26.3

Although Genap shall endeavour to mention all relevant matters in accordance with the state of the art on the day the advice is given, it cannot be held liable for any inaccuracies and/or omissions relating to the provided documentation or advice.

26.4

The advice must be considered as a free service, which is otherwise not insurable by Genap in any way.

26.5

The party receiving the advice may not use the advice given by Genap when the materials of third parties are processed in the execution phase.

Special Terms and Conditions for all Agreements, including Consulting Agreements (Articles 27 to 29 inclusive)

Article 27: Indemnity

27.1

The other party shall indemnify Genap for all third-party claims that may arise from the use of the processed goods delivered by Genap, as well as for the use of technical advice offered without obligation by Genap, all in the broadest sense of the word.

Article 28: Applicable Law

28.1 Dutch law shall apply exclusively to all agreements for the contracting of work, purchase and delivery, as well as the further agreements arising from those, concluded between the Client/Purchaser and Genap, such with the express exclusion of the United Nations Convention on Contracts for the International Sale of Goods, concluded in Vienna on 11 April 1980 (CISG, Treaty Series 1981, 184 and 1986, 61).

If reference is made in the agreement between the parties to the terms, occurring in the last version of the "Incoterms" adopted by the International Chamber of Commerce in Paris (ICC), these terms shall be interpreted in accordance with the last meaning given thereto by

Article 29: Dispute Resolution

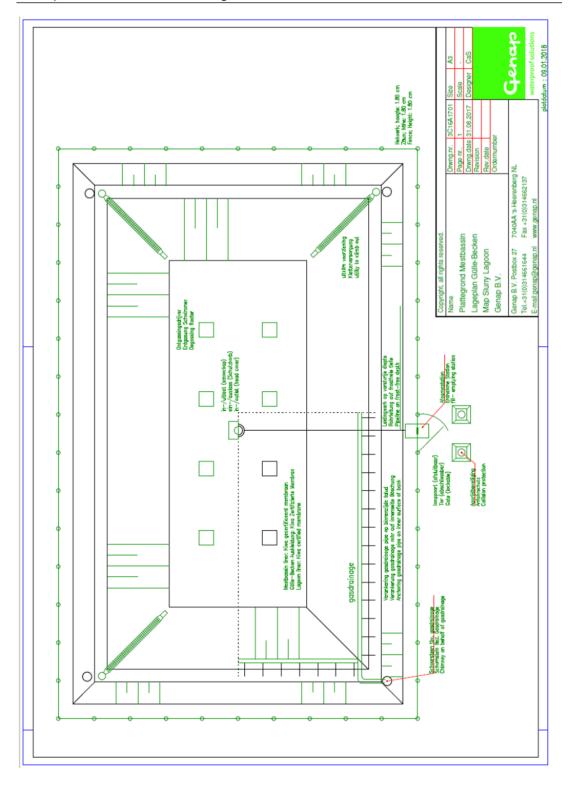
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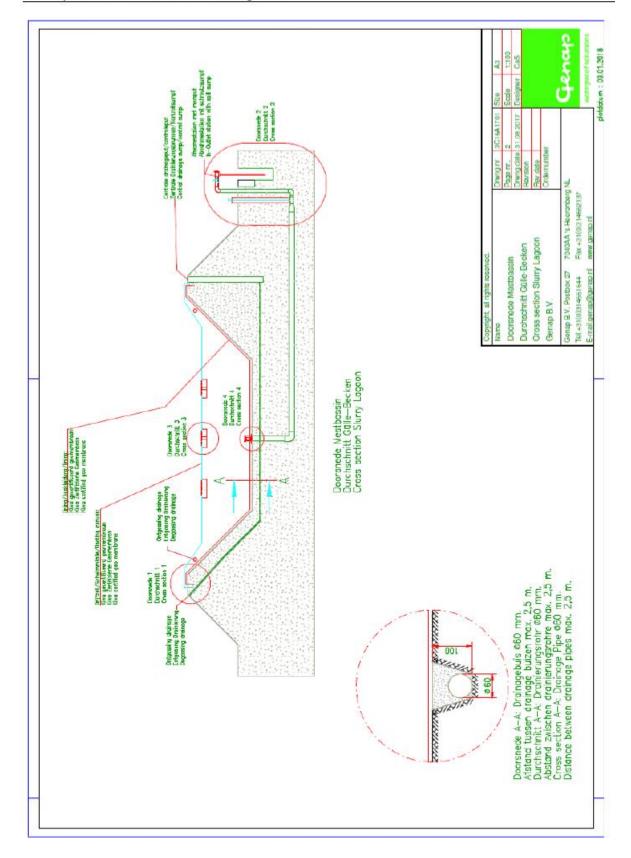
All disputes, of any nature – including those that are only regarded as such by one of the parties – which may arise as a result of the agreement or the technical advice given free of obligation between the parties, shall be determined by the regular court that has jurisdiction in terms of the law. Genap shall be solely entitled, at its discretion, to have the aforementioned disputes settled, to the exclusion of the regular court, by way of arbitration in accordance with the rules described in the articles of association of the Arbitration Council for the Construction Industry, as these read three months before the date of signature of the agreement.

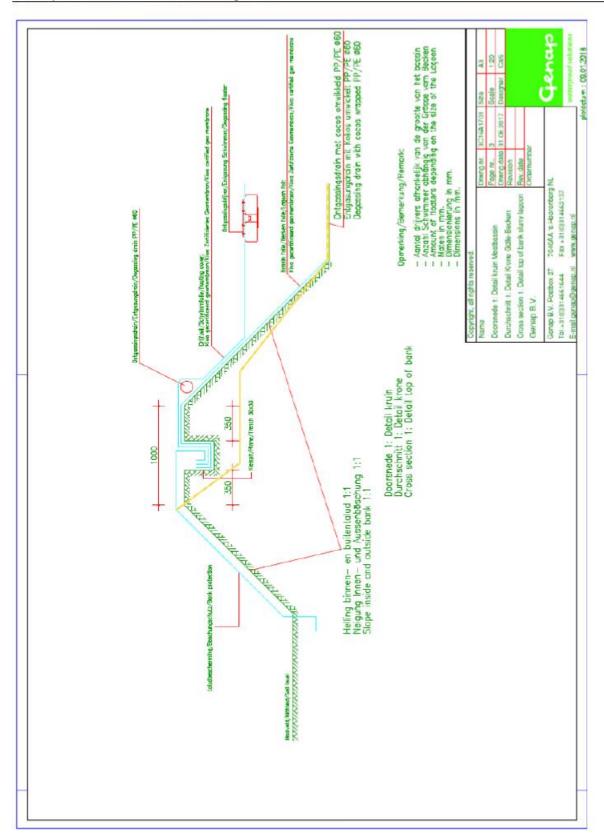
The abbreviation RAW stands for 'Rationalisatie en Automatisering in de Grond-, Water- en Wegenbouw' (Rationalisation and Automation of the Civil Engineering Sector).

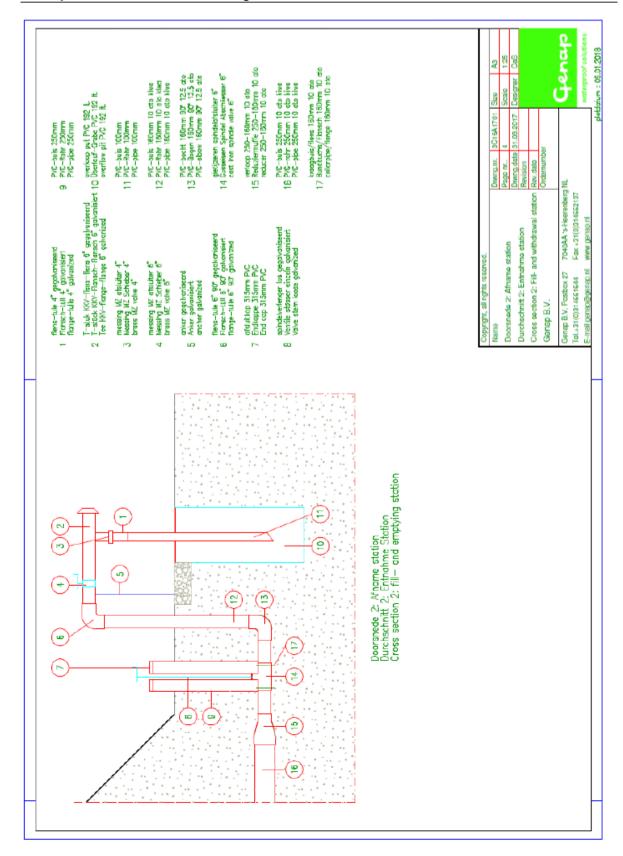
8 Attachments

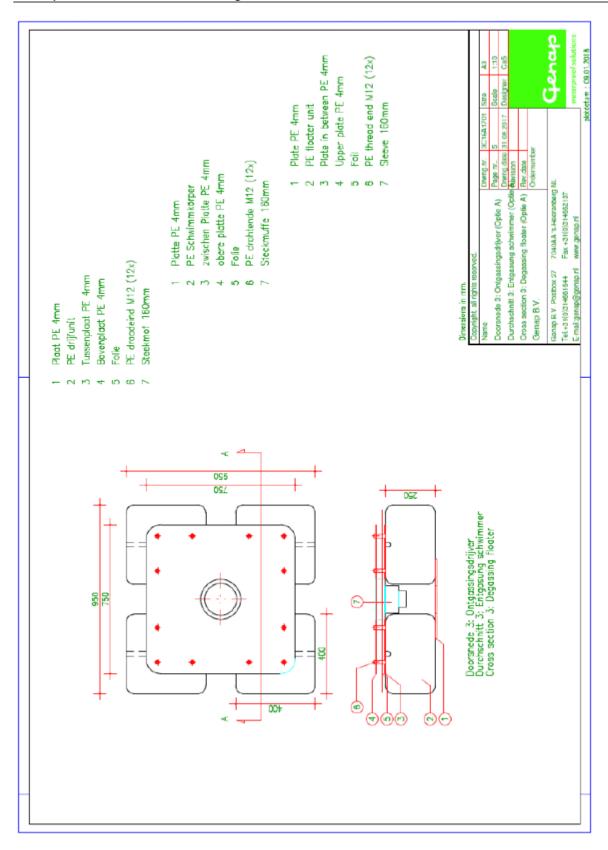
Drawing sheets

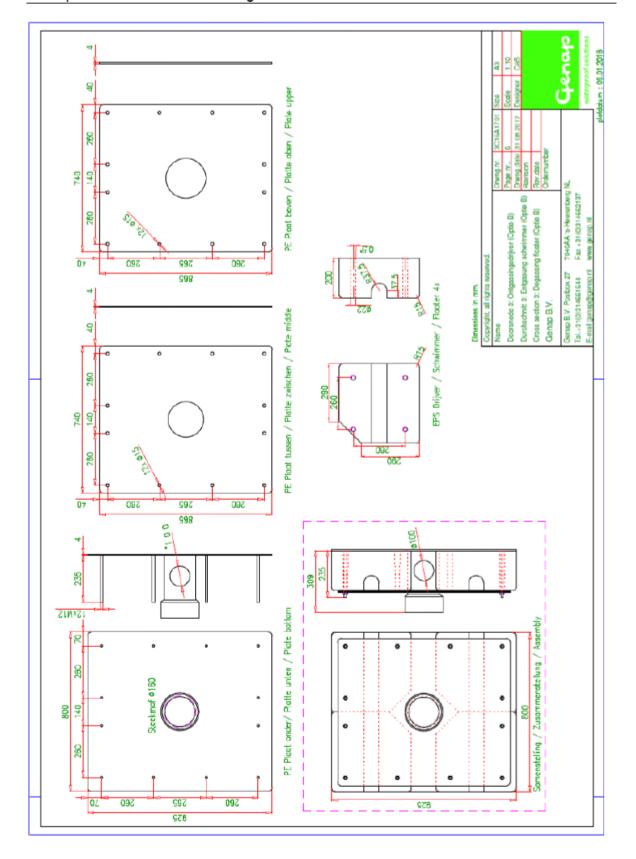


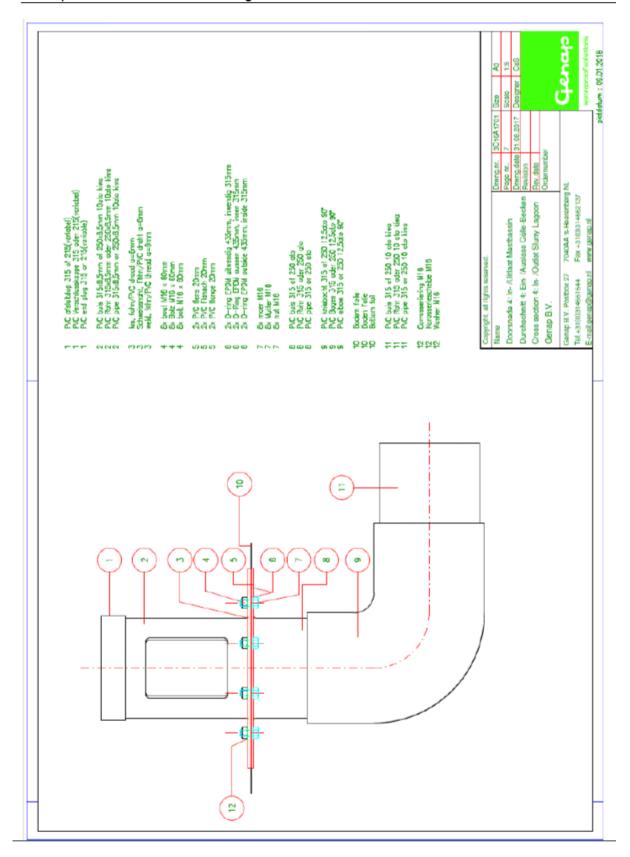












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Declaration of agreement /Akkoordverklaring/ Einverständniserklärung

Naam opdrachtgever / Name Auftraggeber/ name customer	:
Projectnummer /Projektnummer / Project number	:
Montage van / Montage von / mounting of a	: Mestbassin / Güllebecken / Slurry lagoon
Door ondertekening verklaart opdra montage en wordt de garantie geac	ichtgever de Handleiding te hebben ontvangen, akkoord te zijn met tiveerd.
Mit der Unterzeichnung erklärt sich Installation einverstanden ist und d	der Kunde der Gebrauchsinstallation erhalten zu haben, mit der ie Garantie aktiviert wird.
By signing the customer declares to Warranty activated.	o have received the User manual, agrees with installation and is the
Bijzonderheden / Kommentare / Cor	mments
Plaats / Ort / residence	:
Datum / Datum / Date	·
Handtekeningen / Unterschrift	ten / Signatures
monteur / Mechaniker/ Mechanic :	opdrachtgever / Kunde / Customer:
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