

Project: GEO - kontordomicil
Client: VIA
Date:
Execute by: Halldór Karlsson

Activity description:
 CONCRETE FOUNDATION

Material description

Object:	Material
Foundation	Formwork
	Concrete 25 341 m3
	Reinforcement in all 6579,5 tons

Work description

1. Formwork: checked and put into desired place.
2. Prefabricated reinforcement placed between forms.
3. Concrete: casted by convoy belt .
4. Concrete: poured in layers not thicker that 30 cm.
5. Each layer compacted by internal vibrator.
6. Curing of fresh concrete-according to descriptions.

Quality

1. Formwork -made according to drawings and descriptions.
2. Concrete quality-according to specifications.
3. Reinforcement must be made and put according to drawings and specifications.
4. Curing concrete - according to specifications.
4. Photo documentation must be made during the process.

Control

1. Control quality and arrangement of formwork.
2. Control concrete's consistency before casting.
3. Control way of concrete casting - thickness of: layers, concrete cover.
4. Control way of vibrating:
 - distances between places where it is immersed
 - vibrator must not touch reinforcement

Workers

1. Crane operator
2. Concrete convoy belt operator
3. Vibrator's operator.
4. 2 workers-helping : reinforcement, pouring

Safety plan

1. Wearing safety helmets and boots is obligatory for workers.
2. First aid equipment and telephone must be on site.
3. Safety glasses must be used during concrete works.
4. Ears' protection should be used by worker who works with vibrator.
5. Support on walkie-talkie, gesture communication is also appropriate.
6. No passage under the pump's arm when pump is working.

Equipment

1. Hand tools

Machinery

1. Crane
2. Concrete pump - type 2
3. Internal vibrator

Demands for machinery and workers

Crane's operator: must be qualified
 Crane: operation area :
 Convoy belt operator: Must be qualified and well prepared.
 Convoy belt: Operation area: ?m
 Vibrator's operator: must be qualified.
 Vibrator: Højfrekvens, 5-10m, diameter: 57mm
 All machinery should be totally operative and properly exploited.



STICK VIBRATOR



CONCRETE CONVOY BELT

