

Production card

Concretework

Execution period: 19/06/2015-
29/07/2015

Project	Offices Building vejlevej 19	
Client	BBH1 ApS, c/o Svanen Development A/S	
Date	10/06/2015	
Done by	María García	

Activity description:
foundation works

Material description			
m³	concrete	5MPa	3,9
KG	reinforcement	Y12	144,59
kg	reinforcement	Y8	789,95
kg	reinforcement	Y10	435,5
m³	concrete	35MPa	36,26

Work description
<ol style="list-style-type: none"> 1. Formwork: checked, oiled and put in place 2. Prefabricated reinforcement placed between forms. 3. Concrete casting by a concrete mixer truck 4. Each layer compacted by stick vibrator 5, curing of fresh concrete.

Quality
<ol style="list-style-type: none"> 1. Formwork -made according to drawings and descriptions 2. Concrete quality-according to specifications. 3. Reinforcement must be made according to drawings and specifications. 4. Curing concrete - according to specifications and processcontrol plans 5. Photo documentation must be made during the process.

Control
<ol style="list-style-type: none"> 1. Control quality and arrangement of formwork. 2. Control concrete's consistency before casting 3. Control method of laying out concrete, thickness: layers, covering. 4. Control how vibrating is done. <p>* distances between places where it is immersed * vibrator shall not touch the reinforcement</p>

Workers
<ol style="list-style-type: none"> 1) Concrete crew is composed by 10 workers 2) Crane operator 3) 1 Foreman 4) The site manager will do supervision works along these works

Safety plan
<ol style="list-style-type: none"> 1. Wearing safety helmets and boots is obligatory for workers 2. First aid equipement 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 crane's arm when carrying works are taking place is working.

Equipment
<ol style="list-style-type: none"> 1) Hand tools for the concrete crew 2) Saftey equipment 3) Scaffolding (not for the foundation but for other concrete works)

Machinery
<ol style="list-style-type: none"> 1) Concrete mixer 2) Concrete mixer truck 3) Crane 4) Vibrators

Demands for machinery and workers
<p>Crane's operator: Must be qualified Crane: Shall have conformity mark (CE) All machinery should be totally operative and properly exploited.</p>

Work description

Execution period: 19/06/2015-

Project	OFFICE BUILDING	
Client	BHH1 APS	
Date		
Made by	María García	

- STEP 1 Materials need to be checked on delivery and then arranged in order of use– to avoid spending time on looking for the right one.
The excavation of the foundation cannot have taken place a long time before the concrete works are supposed to start in order to avoid damages because of the weather conditions and health and safety problem.
Before the concrete works start, the excavation bottom will be cleaned and smoothed.
- STEP 2 Execution of the blinding layer in contact with the terrain with concrete 5 Mpa. It will be 10 cm high.
- STEP 3: Formworks at the first working zone. Before the forms disposal, they will be checked in order to guarantee that they are cleaned and in the best possible conditions for the concrete casting works.
- STEP 4: Reinforcement works. Disposal of the prepared reinforcement bars. The steel bars won't be in contact with the soil. Spacers must be used to ensure the correct concrete cover.
- STEP 5: Concrete casting with the concrete mixer truck.
- STEP 6: Concrete vibrating.
- STEP 7: Concrete curing.
- STEP 8: Forms taken off and cleaning.

29/07/2015

ns.