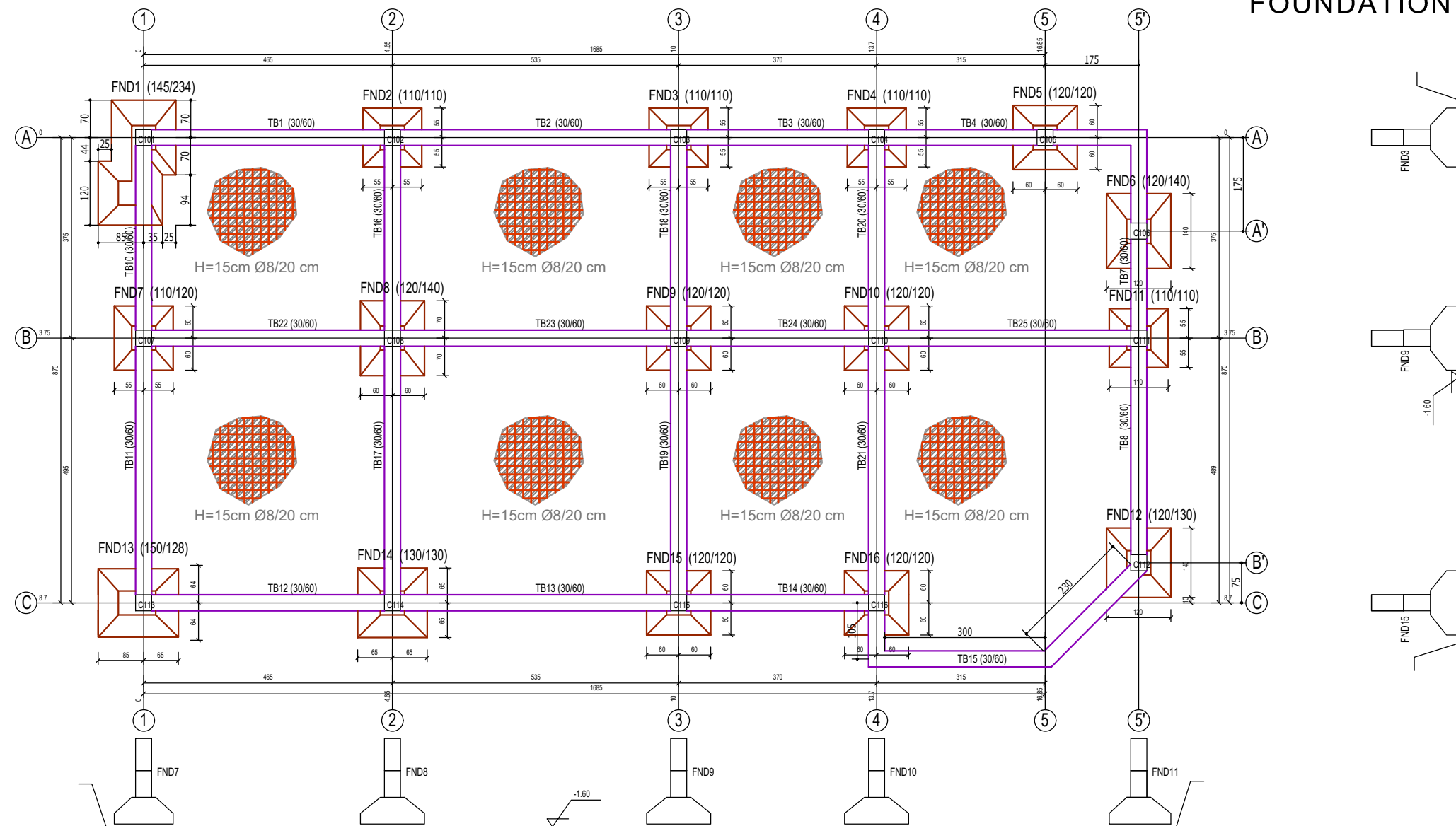


## FOUNDATION PLAN



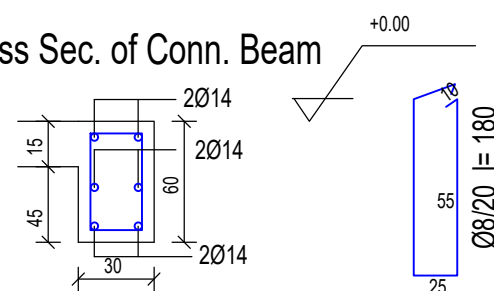
B.O.Q.

FORMWORK (m2): 146.88

CONCRETE(m3) : 44.16

Ø 8-14(kg) : 1536.8

Cross Sec. of Conn. Beam

**NOTE:** Under the foundation will be a layer of 20cm thickness of Gravel**Technical Notes:**

Structural elements are calculated and designed with following characteristics:

**Foundation:** Foundations are designed with plinths:

- Concrete C-25/30 ( $f_{ck}=25000\text{N/m}^2$ ) with safety factor  $\gamma_c=1.5$
- Reinforcement FeB 42k ( $f_{ys}=420\text{N/mm}^2$ ) with safety factor  $\gamma_s=1.15$

**Concrete Walls & Columns:** All walls & columns are designed with:

- Concrete C-25/30 ( $f_{ck}=25000\text{N/m}^2$ ) with safety factor  $\gamma_c=1.5$
- Reinforcement FeB 42k ( $f_{ys}=420\text{N/mm}^2$ ) with safety factor  $\gamma_s=1.15$

**Concrete Beams:** Beams for all storeys are designed with:

- Concrete C-25/30 ( $f_{ck}=25000\text{N/m}^2$ ) with safety factor  $\gamma_c=1.5$
- Reinforcement FeB 42k ( $f_{ys}=420\text{N/mm}^2$ ) with safety factor  $\gamma_s=1.15$

**Concrete Slab:** Slabs for all storeys are designed with:

- Concrete C-25/30 ( $f_{ck}=25000\text{N/m}^2$ ) with safety factor  $\gamma_c=1.5$
- Reinforcement FeB 42k ( $f_{ys}=420\text{N/mm}^2$ ) with safety factor  $\gamma_s=1.15$




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	Name	
Designed	Qinami	April 2018
Drafted	Qinami	April 2018
Checked		April 2018
Project No.	213 - 68524	

Client	<b>Ministry of Environment and Energy</b> 		
Project Title	Consultancy Services for Feasibility Study for an Integrated Solid Waste Management System for Zone III (including Greater Malé) and Preparation of Engineering Design of the Regional Waste Management Facility at Thilafushi		
Design phase	Detailed Design Harbour Rehabilitation		
Contents	Administration Building - Foundation Plan		
Scale	1 : 10; 1 : 5		
Drawing No.	3.2.1	Paper	A3