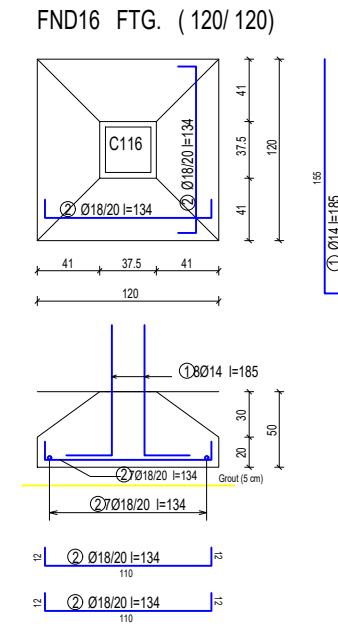
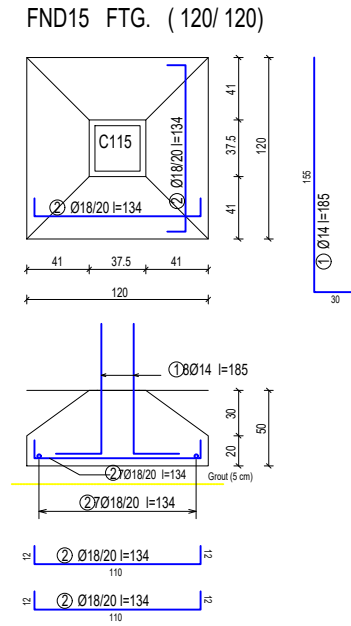
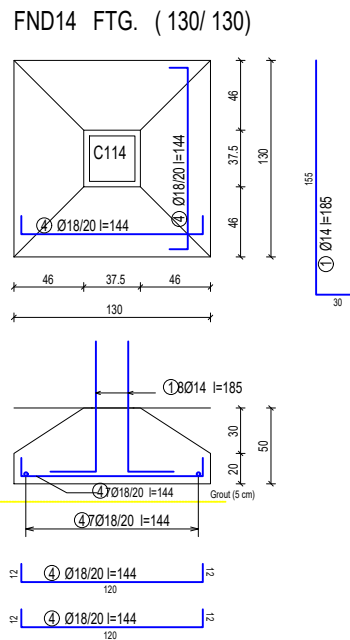
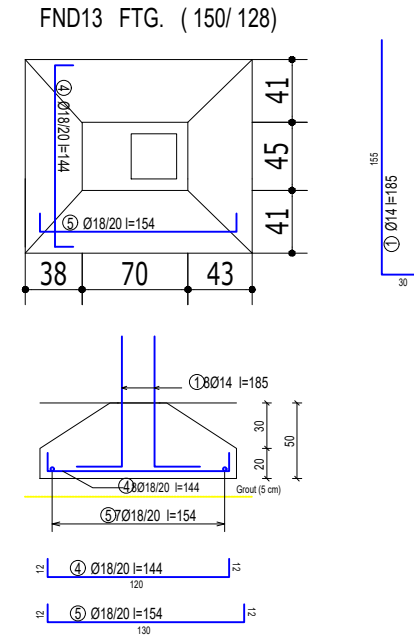
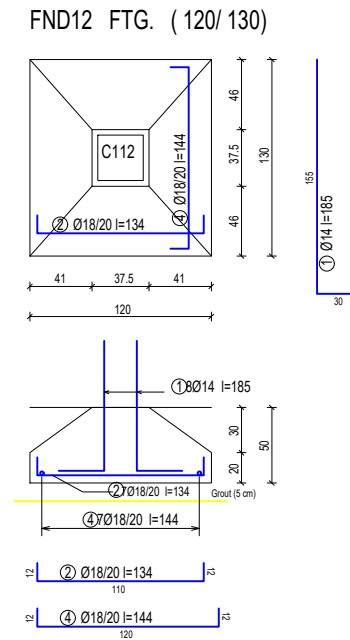
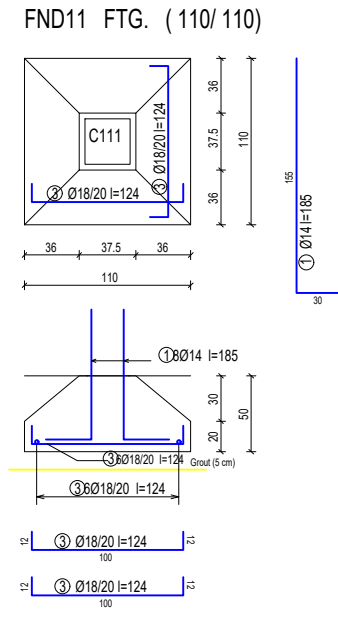
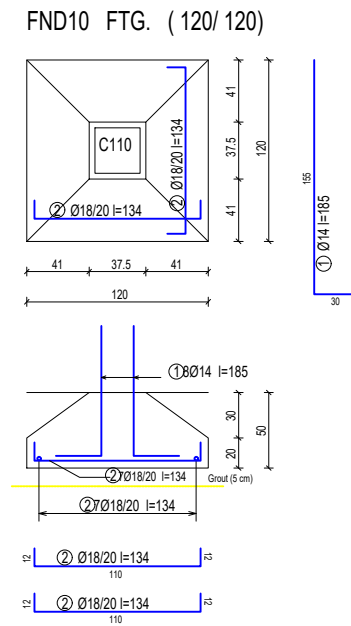
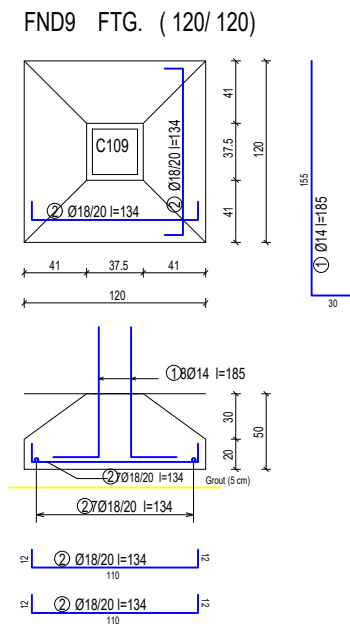


## FOUNDATION DETAILS



B.O.Q.

FORMWORK (m2): 146.88

CONCRETE(m3) : 44.16

Ø 14-50 (kg) : 968

ITEM	MARK	DIA.	LENGTH	WEIGHT
7	P05	Ø18	154	21.5
29	P04	Ø18	144	83.3
12	P03	Ø18	124	29.6
63	P02	Ø18	134	168.4
				302.8
64	P01	Ø14	185	142.9
				142.9

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 stories 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 storyes 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 - Details		
Scale	1 : 5		
Drawing No.	3.2.3	Paper	A3