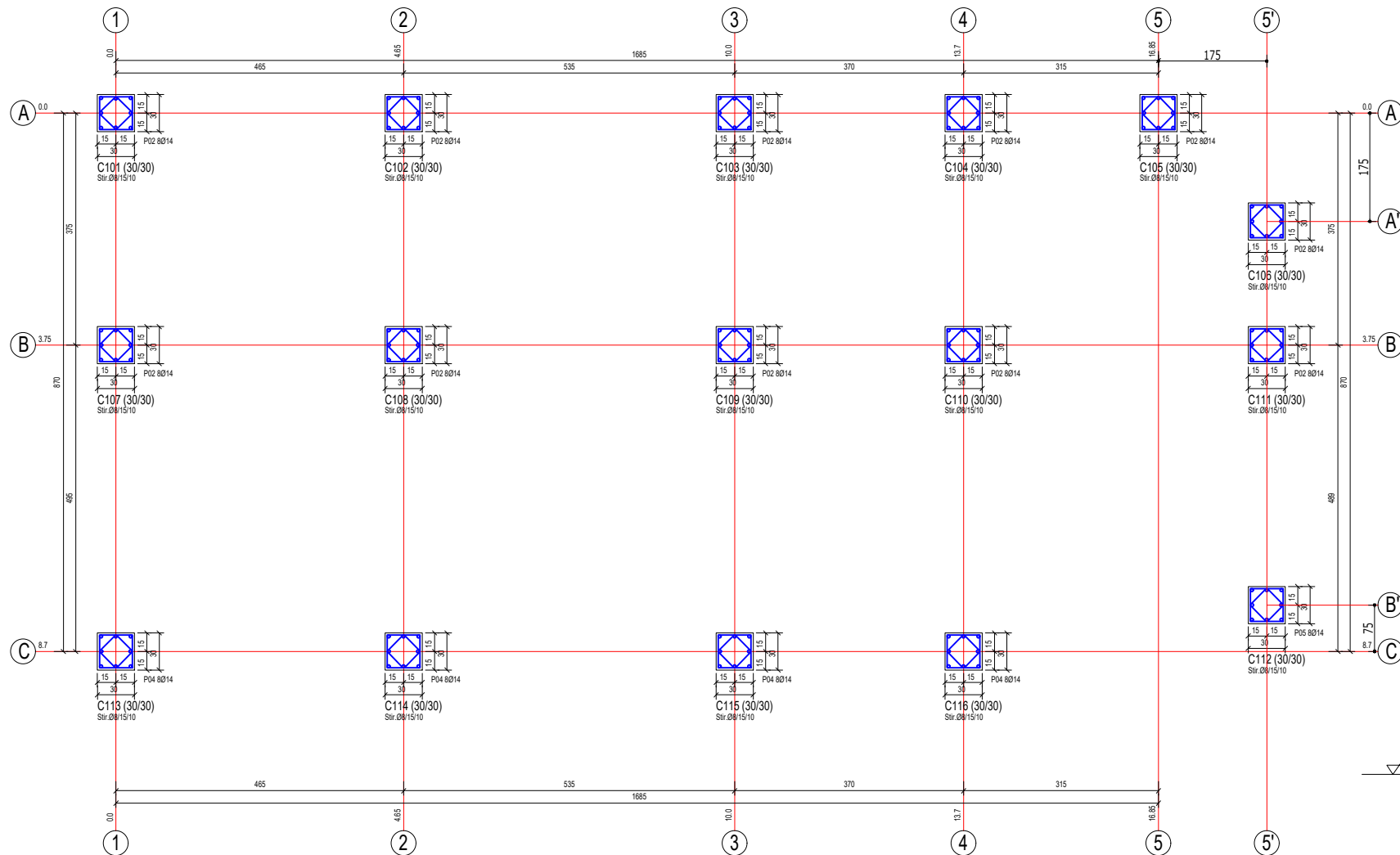


COLUMN PLAN



	P01 Ø8
	P03 Ø8
S101	S101
S102	S102
S103	S103
S104	S104
S105	S105
S107	S107
S108	S108
S109	S109
S110	S110
S113	S113
S114	S114
S115	S115
S116	S116
S106	S106
S111	S111
S112	S112

B.O.Q.

FORMWORK (m2)	: 100.21
CONCRETE(m3)	: 7.69
Ø 14-50 (kg)	: 1538

ITEM	MARK	DIA.	LENGTH	WEIGHT
8	P05	Ø14	533	51.4
32	P04	Ø14	518	200.1
88	P02	Ø14	622	660.8
				912.3
720	P03	Ø8	96	273.1
720	P01	Ø8	124	352.6
				625.7

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 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 $\gamma_s=1.15$

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	Ministry of Environment and Energy			
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 - Column Plan			
Scale	1 : 10			
Drawing No.	3.2.4	Paper	A3	