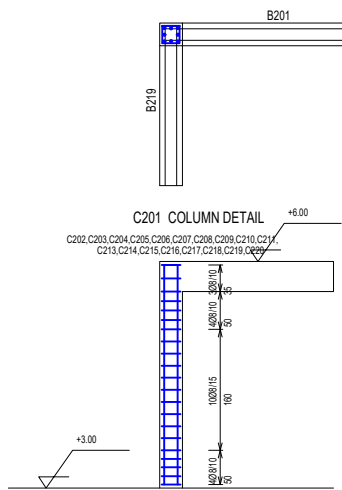
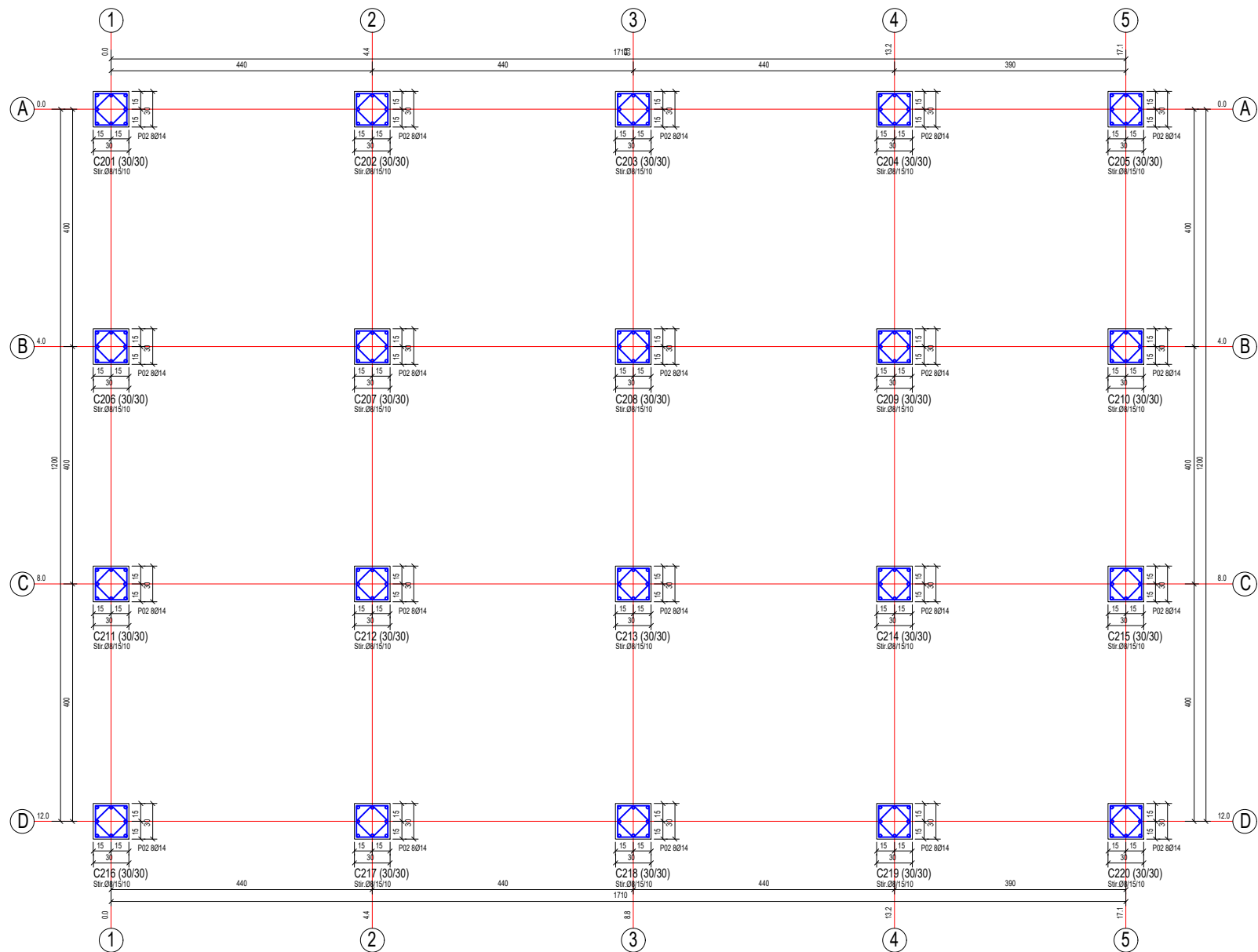


# COLUMN PLAN K-02



## Technical Notes:

Structural elements are calculated and designed with following characteristics:

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

- Concrete C-25/30 ( $f_{ck}=25000\text{kN/m}^2$ ) with safety factor  $\gamma_c=1.5$
- Reinforcement S460A ( $f_{yk}=460\text{N/mm}^2$ ) with safety factor  $\gamma_s=1.15$

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

- Concrete C-25/30 ( $f_{ck}=25000\text{kN/m}^2$ ) with safety factor  $\gamma_c=1.5$
- Reinforcement S460A ( $f_{yk}=460\text{N/mm}^2$ ) with safety factor  $\gamma_s=1.15$

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

- Concrete C-25/30 ( $f_{ck}=25000\text{kN/m}^2$ ) with safety factor  $\gamma_c=1.5$
- Reinforcement S460A ( $f_{yk}=460\text{N/mm}^2$ ) with safety factor  $\gamma_s=1.15$

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

- Concrete C-25/30 ( $f_{ck}=25000\text{kN/m}^2$ ) with safety factor  $\gamma_c=1.5$
- Reinforcement S460A ( $f_{yk}=460\text{N/mm}^2$ ) with safety factor  $\gamma_s=1.15$

ITEM	MARK	DIA	LENGTH	WEIGHT
160	P02	Ø14	356	687.7
420	P03	Ø8	96	159.3
420	P01	Ø8	124	205.7
				365.0



ITEM	MARK	DIA	LENGTH	WEIGHT
160	P02	Ø14	356	687.7
420	P03	Ø8	96	159.3
420	P01	Ø8	124	205.7
				365.0


## B.O.Q.

FORMWORK (m2) : 69.83

CONCRETE(m3) : 5.39

Ø 14-50 (kg) : 1053

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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		Workshop Building - Column Plan +6.00			
Scale		1 : 50			
Drawing No.		4.2.3	Paper	A3	