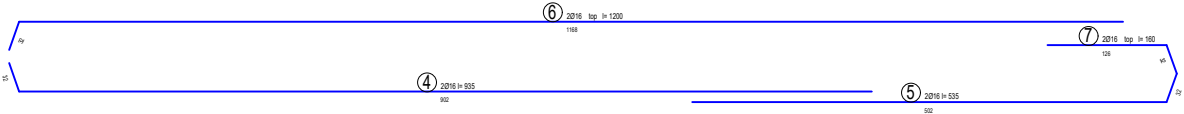
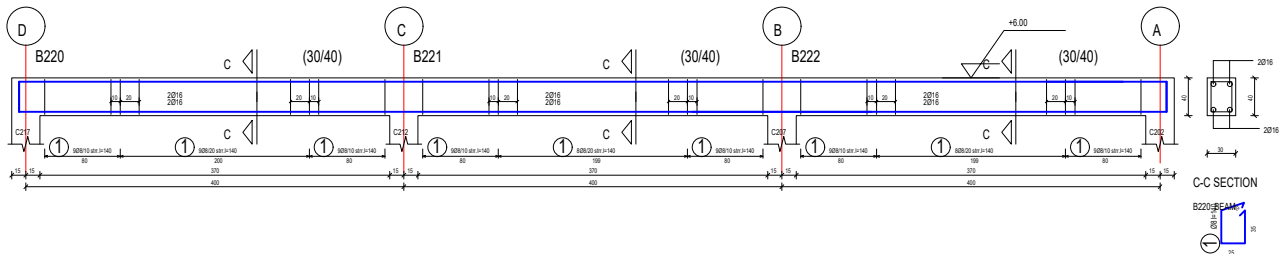
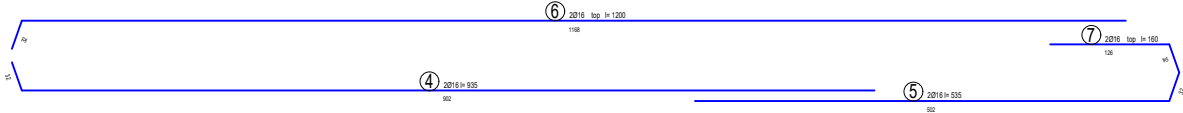
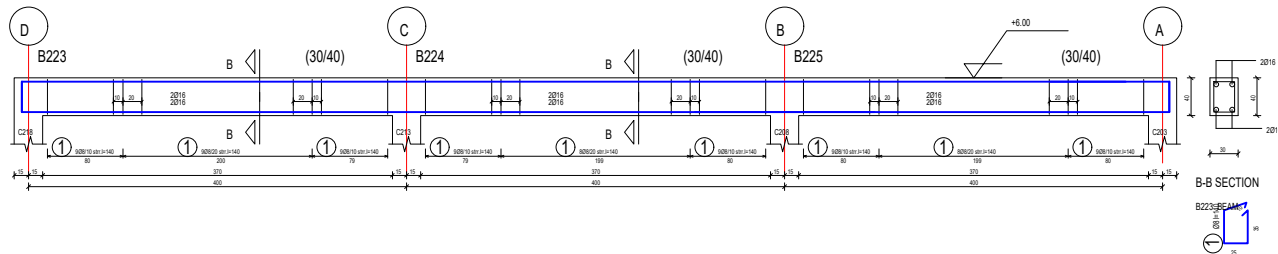
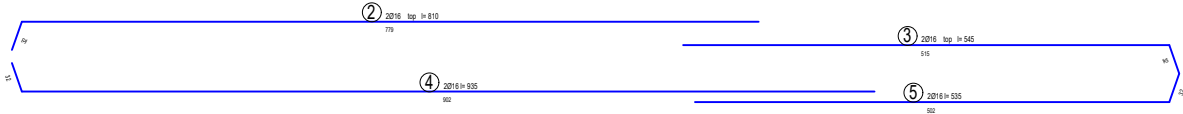
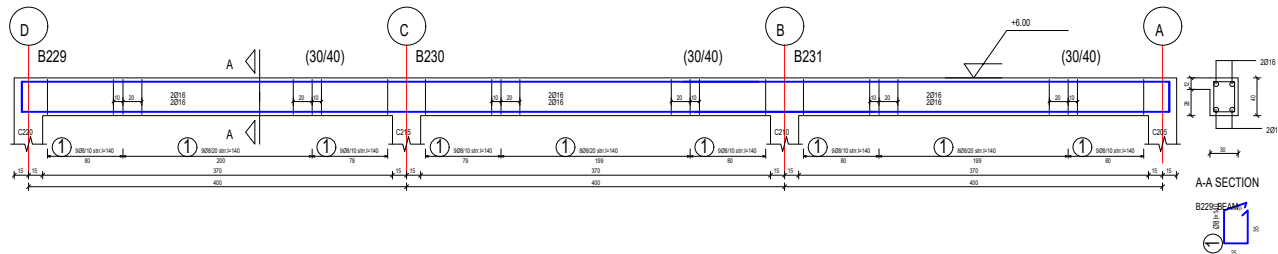


BEAM DETAILS



ITEM	MARK	DIA.	LENGTH	WEIGHT
4	P07	Ø16	160	10
4	P06	Ø16	1200	75.6
6	P05	Ø16	535	50.6
6	P04	Ø16	935	88.4
2	P03	Ø16	545	17.1
2	P02	Ø16	810	25.5
				267.2
237	P01	Ø8	140	130.8
				130.8

B.O.Q.

Ø 6-12 (kg)	: 130.8
Ø 14-50 (kg)	: 267.2

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 storyes 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 storyes 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 $\gamma_s=1.15$

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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	Workshop Building - Beam Details		
Scale	1 : 50		
Drawing No.	4.2.10	Paper	A3