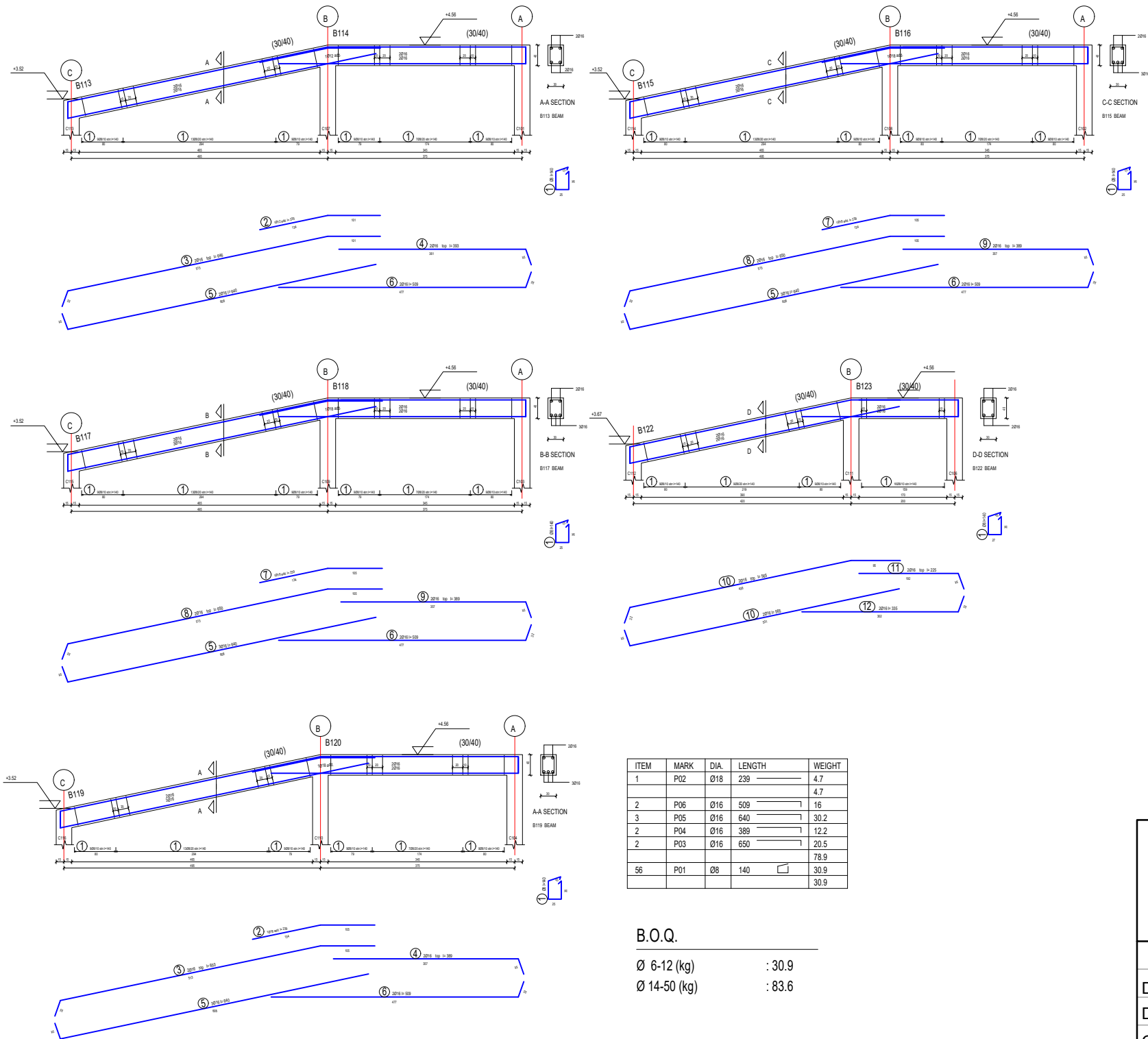


BEAM DETAILS 2





ITEM	MARK	DIA	LENGTH	WEIGHT
2	P07	Ø18	239	9.5
2	P12	Ø16	335	10.5
2	P11	Ø16	225	7
4	P10	Ø16	565	35.6
4	P09	Ø16	389	24.5
4	P08	Ø16	650	41
6	P06	Ø16	509	48.1
8	P05	Ø16	640	80.7
2	P04	Ø16	393	12.3
2	P03	Ø16	646	20.3
1	P02	Ø12	235	2
211	P01	Ø8	140	116.4


B.O.Q.	
Ø 6-12 (kg)	: 118.4
Ø 14-50 (kg)	: 289.5

ITEM	MARK	DIA	LENGTH	WEIGHT
1	P02	Ø18	239	4.7
2	P06	Ø16	509	16
3	P05	Ø16	640	30.2
2	P04	Ø16	389	12.2
2	P03	Ø16	650	20.5
56	P01	Ø8	140	30.9
				30.9

B.O.Q.	
Ø 6-12 (kg)	: 30.9
Ø 14-50 (kg)	: 83.6

Technical Notes:
Structural elements are calculated and designed with following characteristics:
Foundation: Foundations are designed with plinths:
- Concrete **C-25/30** ($f_{ck}=25000\text{N/mm}^2$) 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** ($f_{ck}=25000\text{N/mm}^2$) 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** ($f_{ck}=25000\text{N/mm}^2$) 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** ($f_{ck}=25000\text{N/mm}^2$) with safety factor $\gamma_c=1.5$
- Reinforcement **FeB 42k** ($f_{ys}=420\text{N/mm}^2$) with safety factor $\gamma_s=1.15$

		Water Solutions Pvt Ltd 1st Floor, Ma.Fas eri, Ameenee Magu, Male' 20205, Republic of Maldives Tel: +960 334 1643 / +960 330 1643 Fax: +960 333 1643 Email: info@water-solutions.biz		Kocks Consult GmbH Stegemannstr. 32 - 38 D-56068 Koblenz Tel: +49 261 1302-0 Fax: +49 261 1302-400 Email: info@kocks-ing.de
		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 - Beam Deatils 2			
Scale	1 : 10			
Drawing No.	3.2.7	Paper	A3	