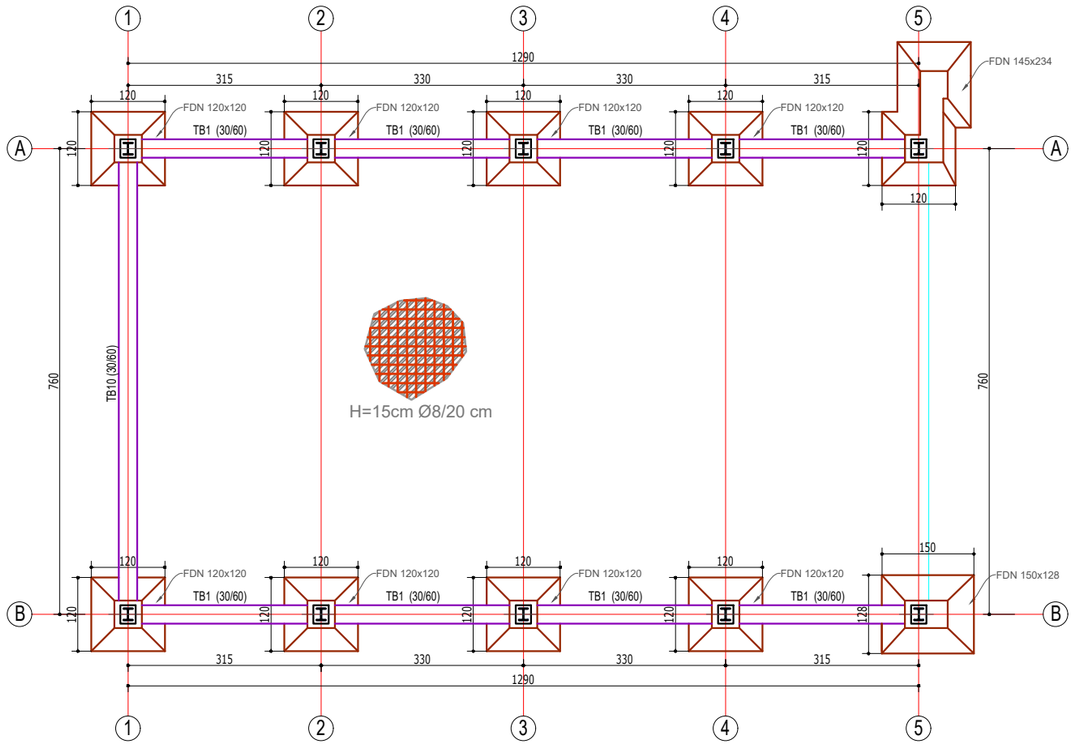
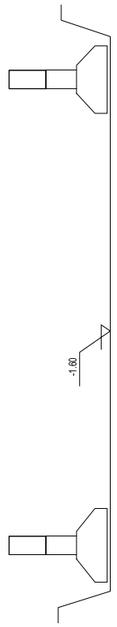
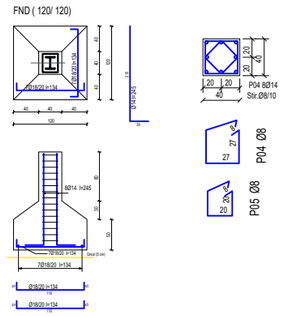
FOUNDATION PLAN

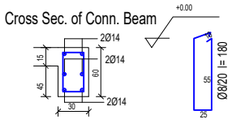






ITEM	MARK	DIA.	LENGTH	WEIGHT
7	P01	Ø18	134	18.8
7	P02	Ø18	134	18.8
8	P03	Ø14	245	23.5
14	P04	Ø8	124	6.9
14	P05	Ø8	96	5.3
				73.3

Cross Sec. of Conn. Beam



B.O.Q.

FORMWORK (m2): 110
CONCRETE(m3) : 32.53
Ø 8-14(kg) : 1341

NOTE: Under the foundation will be a layer of 20cm thickness of Gravel

Technical Notes:

Structural elements are calculated and designed with following characteristics:
Foundation: Foundations are designed with plinths:
- Concrete C-25/30 (f_{ck}=25000kN/m²) with safety factor γ_c=1.5
- Reinforcement FeB 42k (f_{ys}=420N/mm²) with safety factor γ_s=1.15

Concrete Walls & Columns: All walls & columns are designed with:
- Concrete C-25/30 (f_{ck}=25000kN/m²) with safety factor γ_c=1.5
- Reinforcement FeB 42k (f_{ys}=420N/mm²) with safety factor γ_s=1.15

Concrete Beams: Beams for all storyes are designed with:
- Concrete C-25/30 (f_{ck}=25000kN/m²) with safety factor γ_c=1.5
- Reinforcement FeB 42k (f_{ys}=420N/mm²) with safety factor γ_s=1.15

Concrete Slab: Slabs for all storyes are designed with:
- Concrete C-25/30 (f_{ck}=25000kN/m²) with safety factor γ_c=1.5
- Reinforcement FeB 42k (f_{ys}=420N/mm²) with safety factor γ_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 - Steel - Foundation Plan		
Scale	1 : 10		
Drawing No.	3.3.1	Paper	A3

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