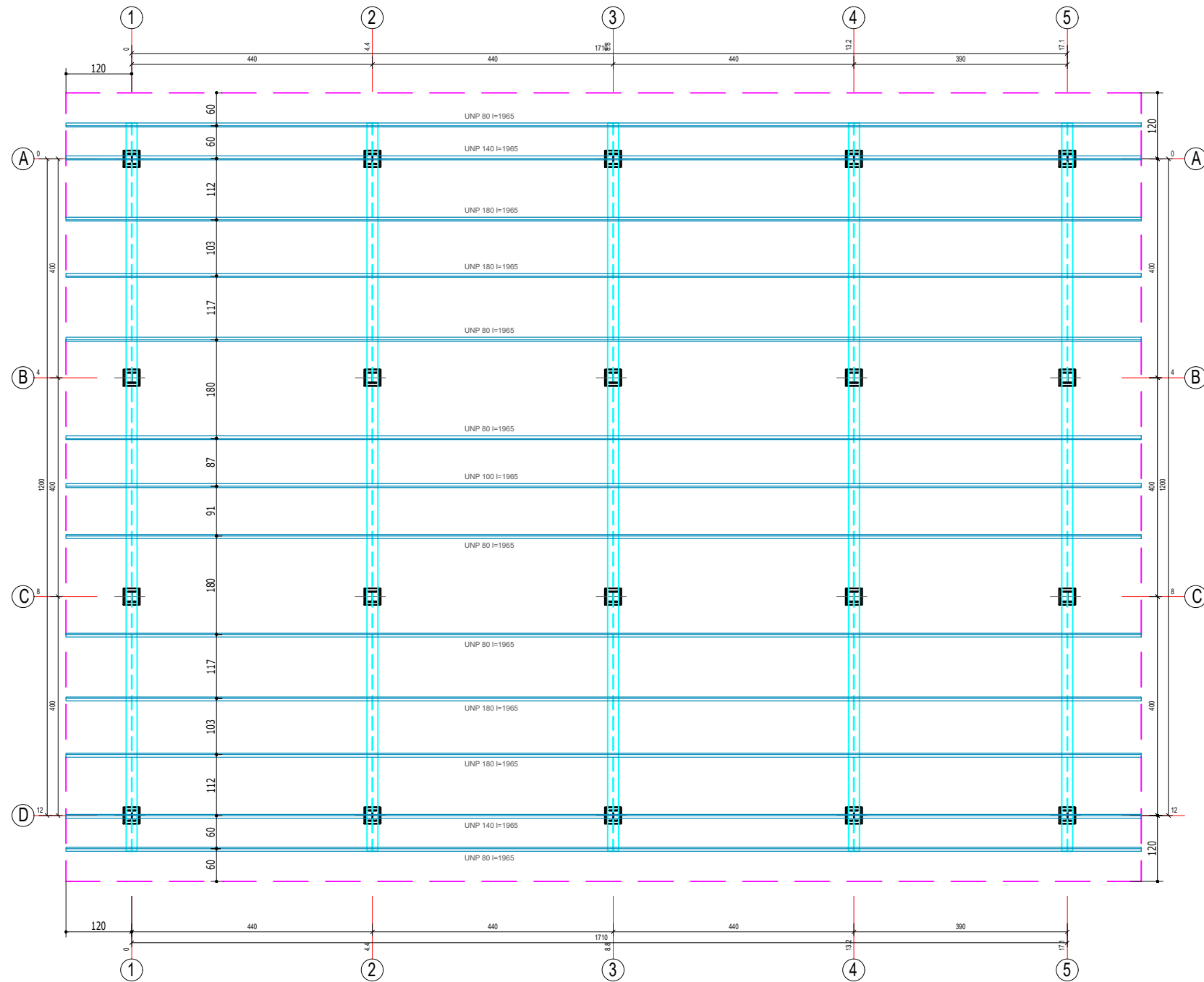


ROOF PLAN



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 $\gamma_s=1.15$



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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 - Roof Plan		
Scale	1 : 50		
Drawing No.	4.2.6	Paper	A3

