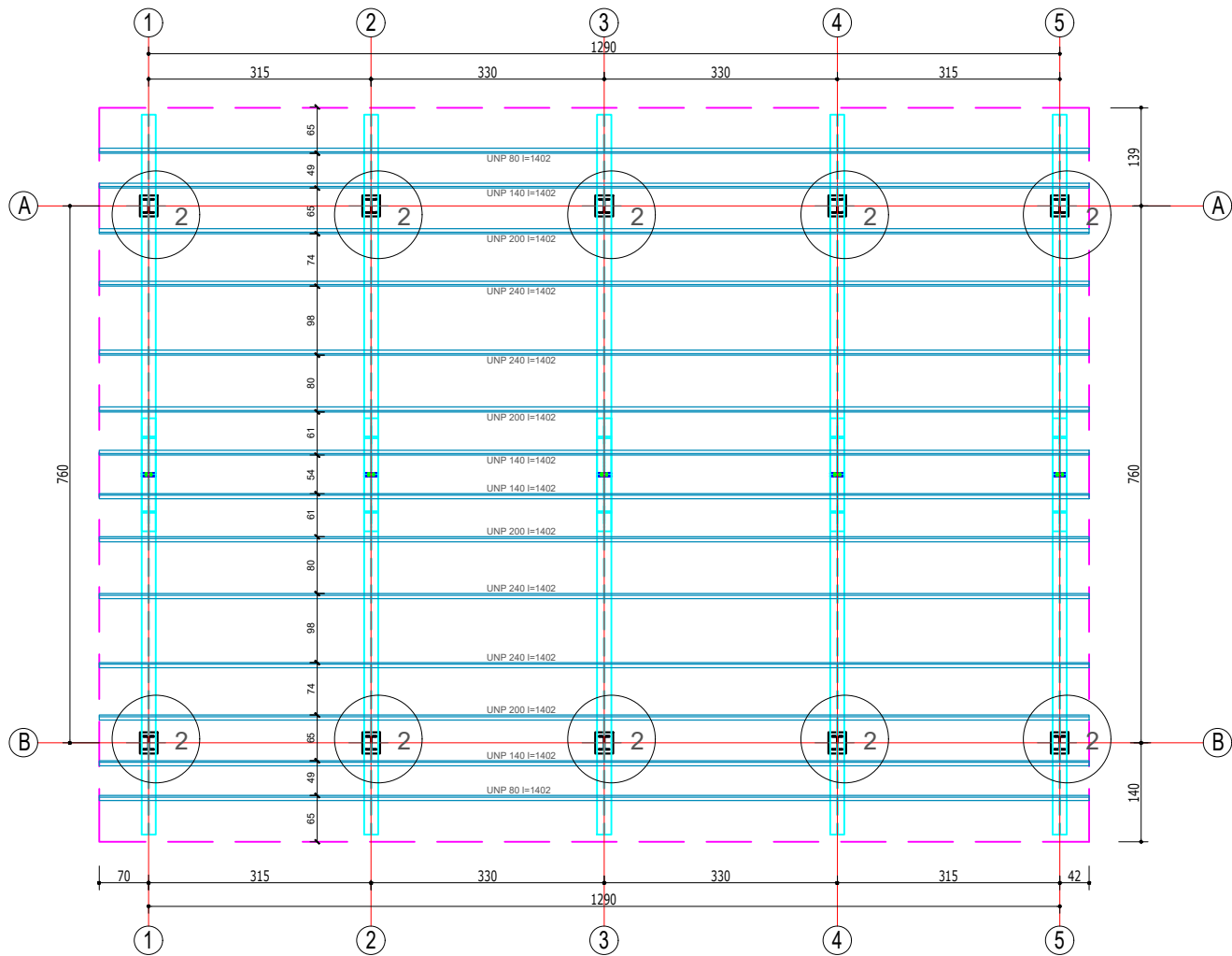
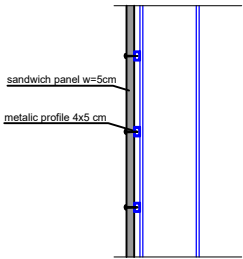


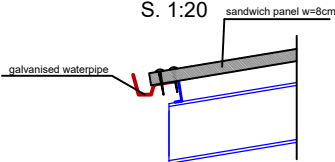
Purlin Plan



Wall Detail
S. 1:20



Slab Detail
S. 1:20



Technical Notes:

Structural elements are calculated and designed with following characteristics:

Foundation: Foundations are designed with plinths:

- Concrete C-25/30 ($f_{ck}=25000\text{N/m}^2$) 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:

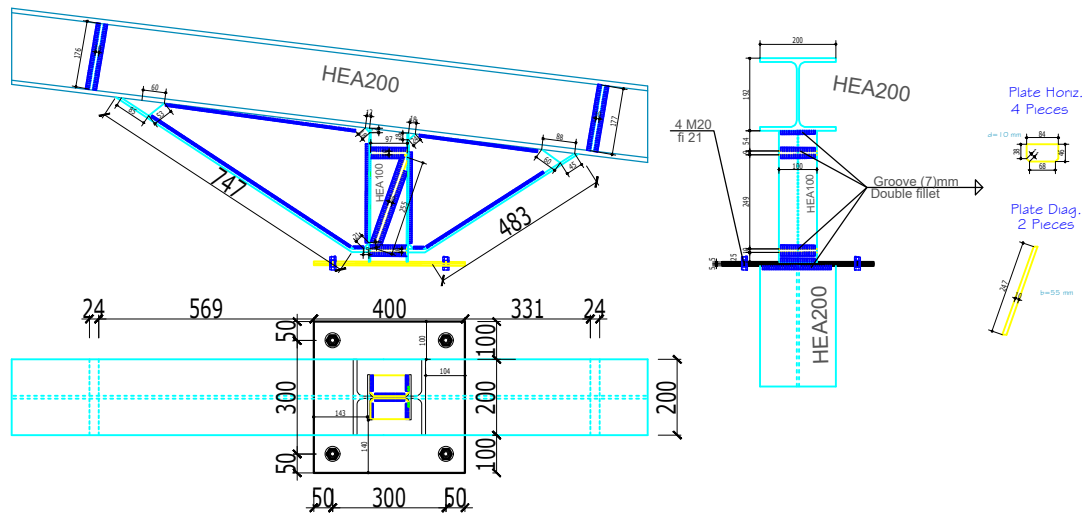
- Concrete C-25/30 ($f_{ck}=25000\text{N/m}^2$) with safety factor $\gamma_c=1.5$
- Reinforcement FeB 42k ($f_{ys}=420\text{N/mm}^2$) with safety factor $\gamma_s=1.15$

Concrete Beams: Beams for all stories are designed with:

- Concrete C-25/30 ($f_{ck}=25000\text{N/m}^2$) 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 stories are designed with:


- Concrete C-25/30 ($f_{ck}=25000\text{N/m}^2$) with safety factor $\gamma_c=1.5$
- Reinforcement FeB 42k ($f_{ys}=420\text{N/mm}^2$) with safety factor $\gamma_s=1.15$



NODE 2

LEGEND AND GUIDELINES	
Beam	HEA200
End Plate	
Width	400 mm
Thickness	2x5 mm
Steel type	Fe430
Bolts	
Diameter	Ø20 mm
Class	Bolt 5.6
Hole tolerance	0.1 mm
Welding	
Minimum Thickness	19 mm
Unless otherwise prescribed all weldings in joints shall be full penetration or double fillet, wide not less than the thickness of the members being connected.	

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		Name		
Designed	Qinami		April 2018	
Drafted	Qinami		April 2018	
Checked			April 2018	
Project No.	213 - 68524			

Client		<div>Ministry of Environment and Energy</div> 	
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 - Purlin Plan		
Scale	1 : 10; 1 : 5; 1 : 20		
Drawing No.	3.3.6	Paper	A3