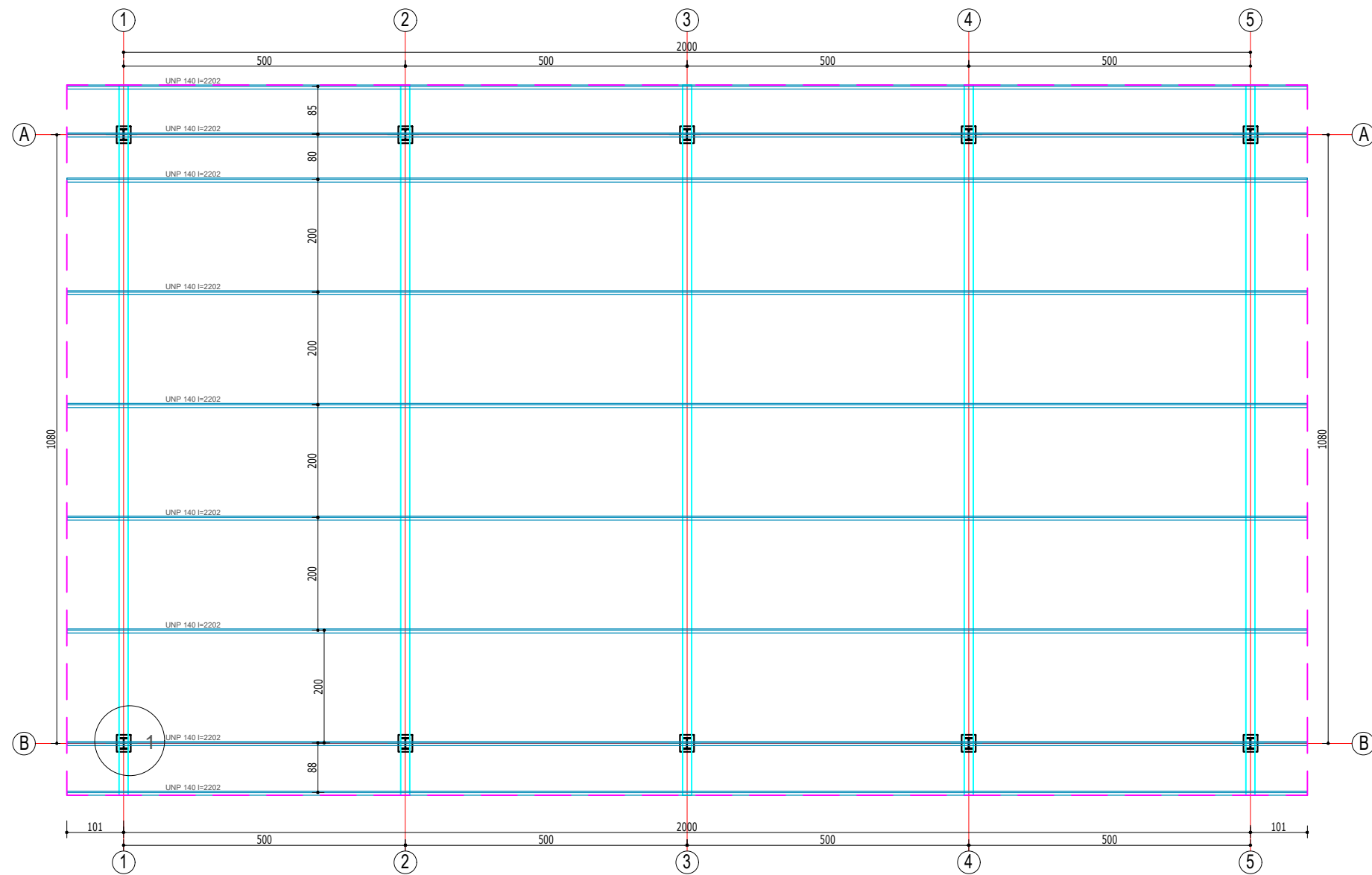
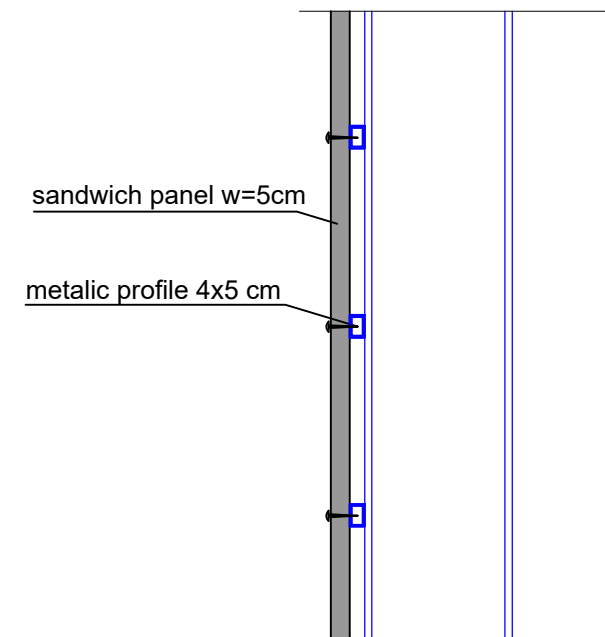


P:\Abt213\68524\Bearingung\ AbfallCAD\Drawings update 2018\180405\_vehicle shed02\_Structure\68524\_WU\_BA\_Steel\_Structure\_5-2-1\_5-2-5.dwg:5.2.5

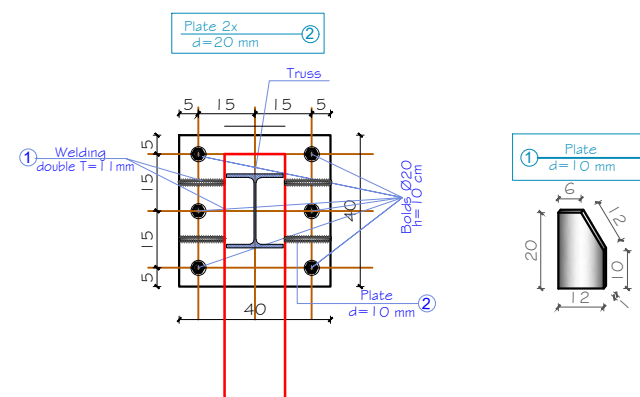
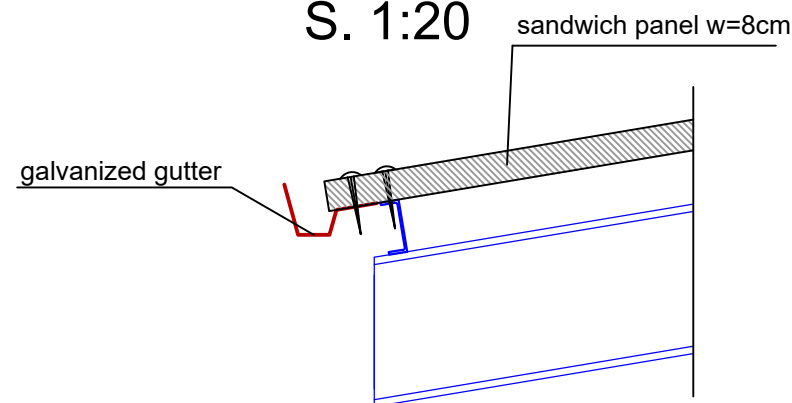


## Purlin Plan

### 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:

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

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

- Concrete **C-25/30** ( $f_{ck}=25000\text{N/mm}^2$ ) with safety factor  $\gamma_c=1.5$
- Reinforcement **S460A** ( $f_{yk}=460\text{N/mm}^2$ ) with safety factor  $\gamma_s=1.15$

		<b>Water Solutions Pvt Ltd</b> 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		<b>Kocks Consult GmbH</b> 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		<b>Ministry of Environment and Energy</b>		
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	Vehicle shed - Purlin Plan			
Scale	1 : 10; 1 : 2			
Drawing No.	5.2.5	Paper	A3	