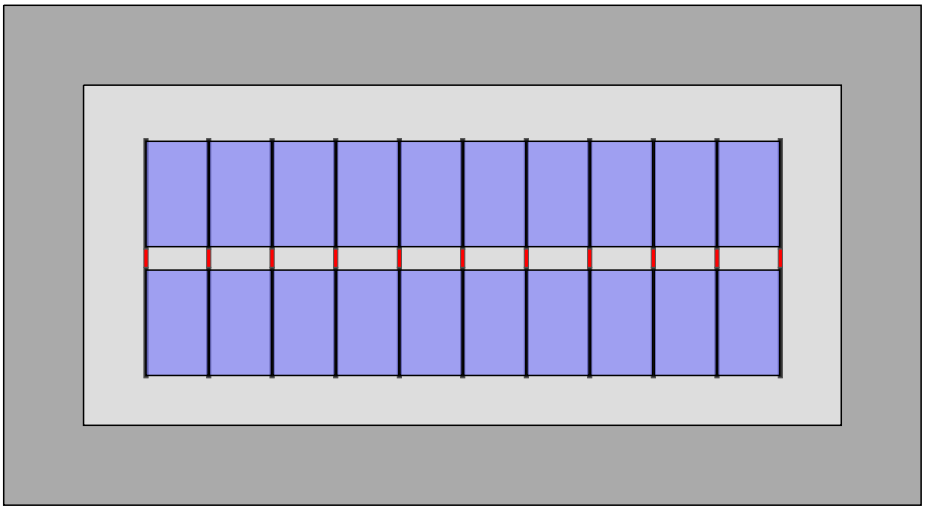
Calculationmodule

Project information for: Blubase Connect	
Date	**11-05-2023**
Requested delivery date	**14-05-2023**
Roof height	**8meter**
Roof cover	**bitumen**
Panel amount	**20**
Total power	**7.4kW**
Remarks	

Customer information	Reference:
Customer	Zonnepanelensuper
Contact	Toby Doorn

NETHERLANDS
Windzone: I



Blubase Total list articles

Item nr..	Product	Amount
500180	Base element Connect Portrait	22
500231	Back plate Connect Portrait	20
500431	Ballast holder portrait	12
500223	Universal easyclamp Connect	66
500015	Connector for connect 1500	11
500901	plating screw Connect	26

Blubase Articlelist for Roofsurface 1

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500231	Back plate Connect Portrait	20
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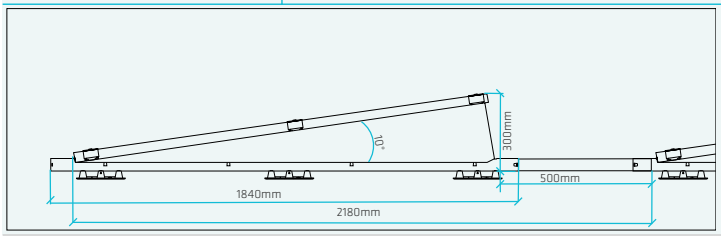
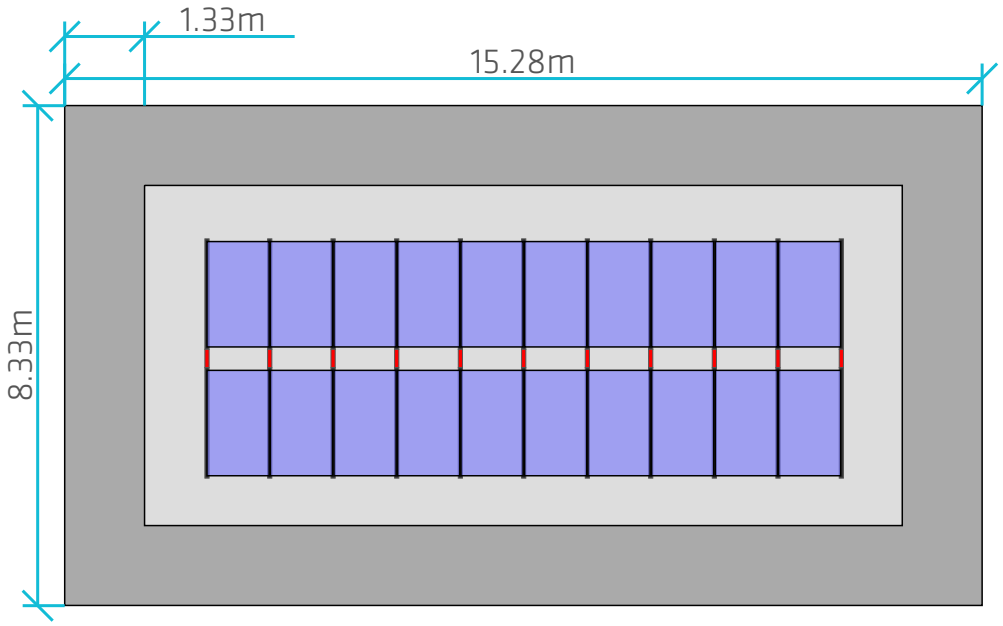
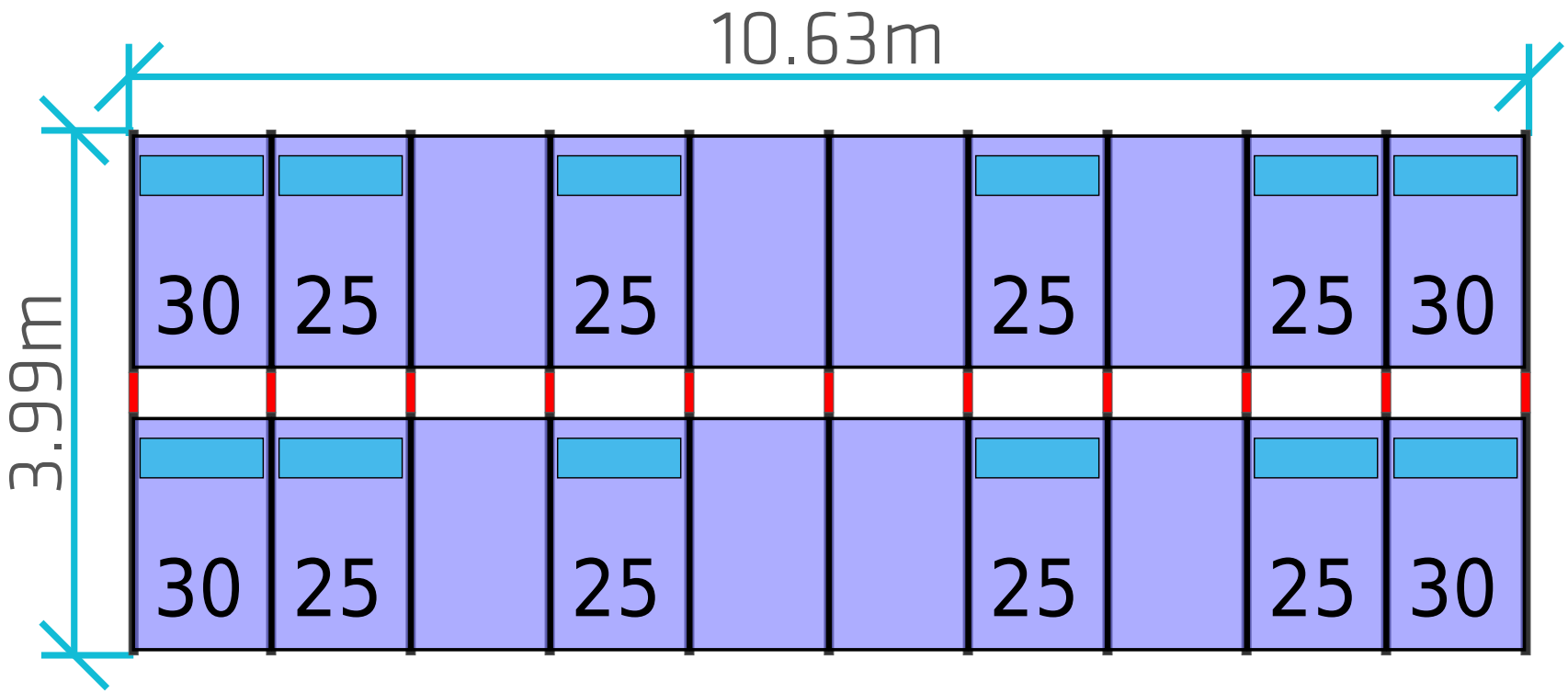
500223	Universal easyclamp Connect	66
500015	Connector for connect 1500	11
500901	plating screw Connect	26

Roof information	
Roof size (lxwxh)	15.28x8.33 meter (Height = 8meter)
No go area	1.33M
Roof cover	BITUMEN
Used panel	URE 370Wp (370WP)
Panel size	1755x1038x35
Panel amount	20
Total power	7.40kWp
Setup	portrait



Dak belasting	
Panel weight	420kg
Construction weight	124kg
Weight ballast	320kg
Roof surface	127.24m2
System surface	40.37m2
Gemiddelde dakbelasting systeem	21kg/m2
Gemiddelde dakbelasting gehele dak	6kg/m2
Weight per m2 (high)	25.27kg/m2
Weight per m2 (without ballast)	10.41kg/m2
Puntbelasting high	14.21kPa
Puntbelasting average	11.81kPa




10.63m
3.99m
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30

Blubase Calculator Disclaimer

Please read this information carefully before starting with the design and installation of the PV system.

The output for the design of the PV system is generated by using the calculator tool made available through the website of BluBase B.V. ("BluBase") at www.blubase.com (the "Calculator"). The responsibility for the correct application of the output derived from the Calculator lies with the user of the Calculator and/or the installer or any other person responsible for the installation of the PV system, which output may be subject to or impacted by many different variables and factors. The installation of a PV system onto an existing building can for example impact the existing building loads (e.g., as a result of snow and wind) or the building construction. To avoid personal injury and/or property damages, the installer or any other person responsible for the installation of a PV system should ensure that the static calculations applicable to the existing building are reviewed and confirmed beforehand by a qualified technician. Any applicable regulations, including (but not limited to) NEN 7250, EN 1990, EN 1991-1-3, EN 1991-1-4 and relevant national annexes, should be observed and adhered to. Failure to obtain such confirmation or observe and adhere to applicable regulations may, amongst others, lead to failure of the roof load-bearing structure of the building. It is advisable to consult with the insurer of the building in case of the intention to install a PV system or in case of any other intended changes to the building.

The wind has free play along the coast and can swell considerably. That is why, according to NEN-EN 1991-1-4, additional conditions apply if a PV system is installed in a coastal strip in wind zone 1 and 2 (see figure, Windgebied 1 and Windgebied 2). A building falls in this strip if the distance from the water to the building is less than or equal to 10 times the building height. We strongly recommend that you also inform us with respect to buildings where the distance from the water to the building is less than or equal to 50 times the building height.

The installer or any other person responsible for the installation of a PV system should also consider, confirm or control applicable design elements which include (but are not limited to):

(a) changes as a result of the additional weight of the complete PV system on the building;
(b) changes as a result of the changed geometry of the building's roof;
(c) changes as a result of the dynamic wind pressure and possible accumulation of rain or any other precipitation on the building;
(d) the loads occurring during installation on the building, roofing material and insulation;
(e) the compatibility of the insulation and roofing material at the location of the contact points of the long-term PV-system's support structure, as a result of the pressure point;
(f) the compatibility of the roofing material in combination with the support structure at the location of the contact points;
(g) the effect of thermal performance of the building on the PV system and vice versa; and/or
(h) the effect of any movement and vibrations of the roof on the PV system and vice versa.

In addition, the installer or any other person responsible for the installation of a PV system should confirm the compatibility of any third party products, components or materials (including PV panels) used in conjunction with BluBase's products, if such third party products, components or materials have not been provided for such use by or on behalf of BluBase or the use of which has not been expressly authorized by BluBase. Reference to a third party product in the Calculator should not be deemed an express or implied authorization by BluBase. BluBase's products should always be used in accordance with instructions set out in the most recent version of the applicable manual, available via www.blubase.com.

Prices in the Calculator are indicative and are subject to change resulting from, amongst others, fluctuations in commodity prices.

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