

Tiger Neo N-type 66HL4M-BDV 595-615Watt

BIFACIAL MODULE WITH DUAL GLASS

N-Type

Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



Key Features



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



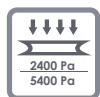
Higher Power Output

Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.



Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



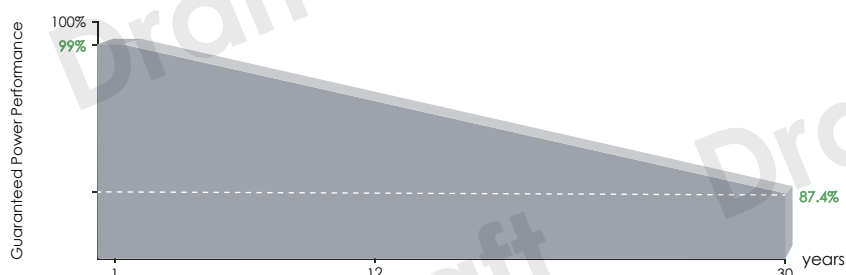
Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Continuous Quality Assurance

LINEAR PERFORMANCE WARRANTY

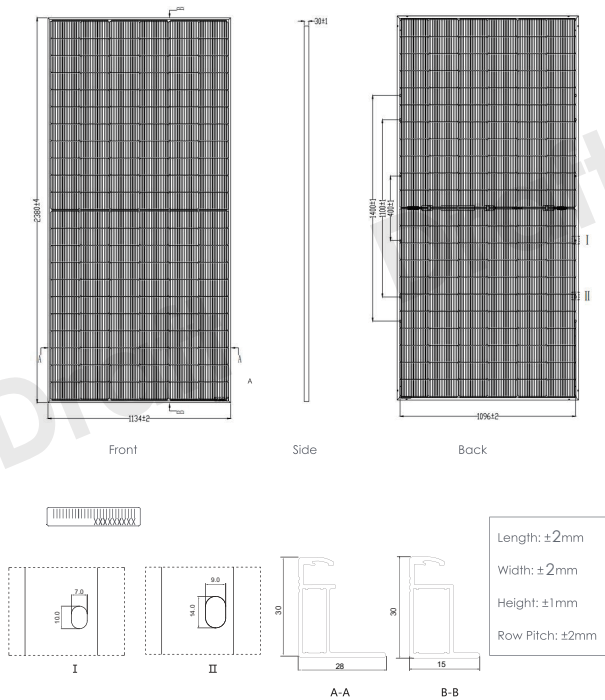


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings



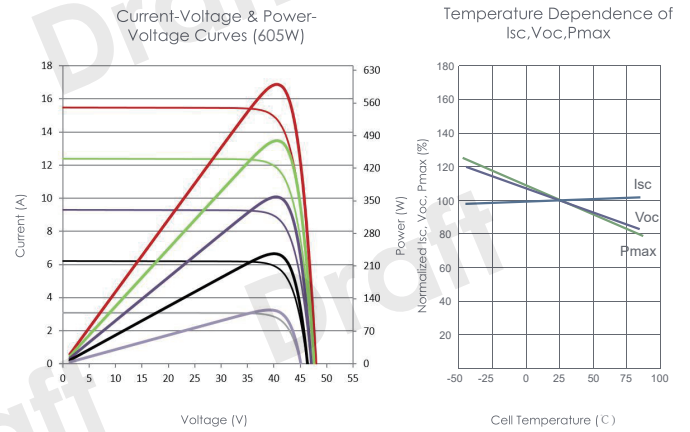
*This tolerance range applies only to the four-angle distance of the module as indicated above.

Packaging Configuration

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 720pcs/40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	132 (2×66)
Dimensions	2380×1134×30mm (93.70×44.65×1.18 inch)
Weight	33.4 kg (73.63 lbs)
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm ² (+): 400mm, (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	JKM595N-66HL4M-BDV		JKM600N-66HL4M-BDV		JKM605N-66HL4M-BDV		JKM610N-66HL4M-BDV		JKM615N-66HL4M-BDV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	595Wp	448Wp	600Wp	452Wp	605Wp	456Wp	610Wp	460Wp	615Wp	463Wp
Maximum Power Voltage (Vmp)	40.51V	37.90V	40.66V	38.06V	40.80V	38.22V	40.94V	38.37V	41.09V	38.56V
Maximum Power Current (Imp)	14.69A	11.83A	14.76A	11.88A	14.83A	11.93A	14.90A	11.98A	14.97A	12.02A
Open-circuit Voltage (Voc)	47.80V	45.40V	48.00V	45.59V	48.20V	45.78V	48.40V	45.97V	48.62V	46.18V
Short-circuit Current (Isc)	15.43A	12.46A	15.49A	12.50A	15.55A	12.55A	15.61A	12.60A	15.67A	12.65A
Module Efficiency STC (%)	22.05%		22.23%		22.42%		22.60%		22.79%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	30A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.29%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.045%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									
Refer. Bifacial Factor	80±5%									

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum Power (P_{max})	625Wp	630Wp	635Wp	641Wp	646Wp
	Module Efficiency STC (%)	23.15%	23.34%	23.54%	23.73%	23.93%
15%	Maximum Power (P_{max})	684Wp	690Wp	696Wp	702Wp	707Wp
	Module Efficiency STC (%)	25.35%	25.57%	25.78%	25.99%	26.20%
25%	Maximum Power (P_{max})	744Wp	750Wp	756Wp	763Wp	769Wp
	Module Efficiency STC (%)	27.56%	27.79%	28.02%	28.25%	28.48%

*STC: Irradiance 1000W/m²

Cell Temperature 25°C

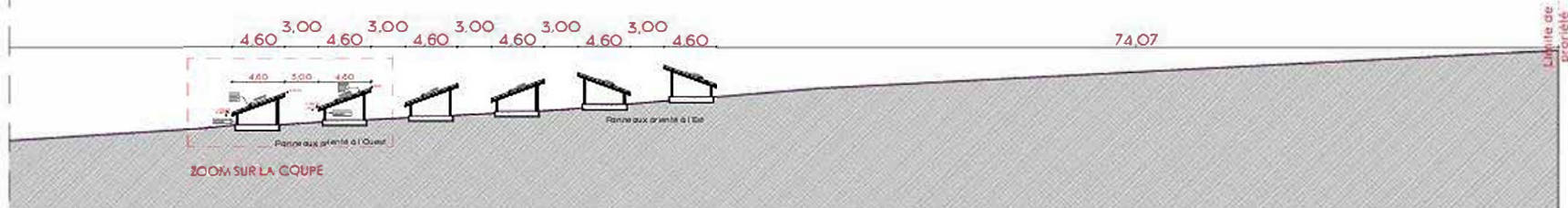
AM=1.5

NOCT: Irradiance 800W/m²

Ambient Temperature 20°C

AM=1.5

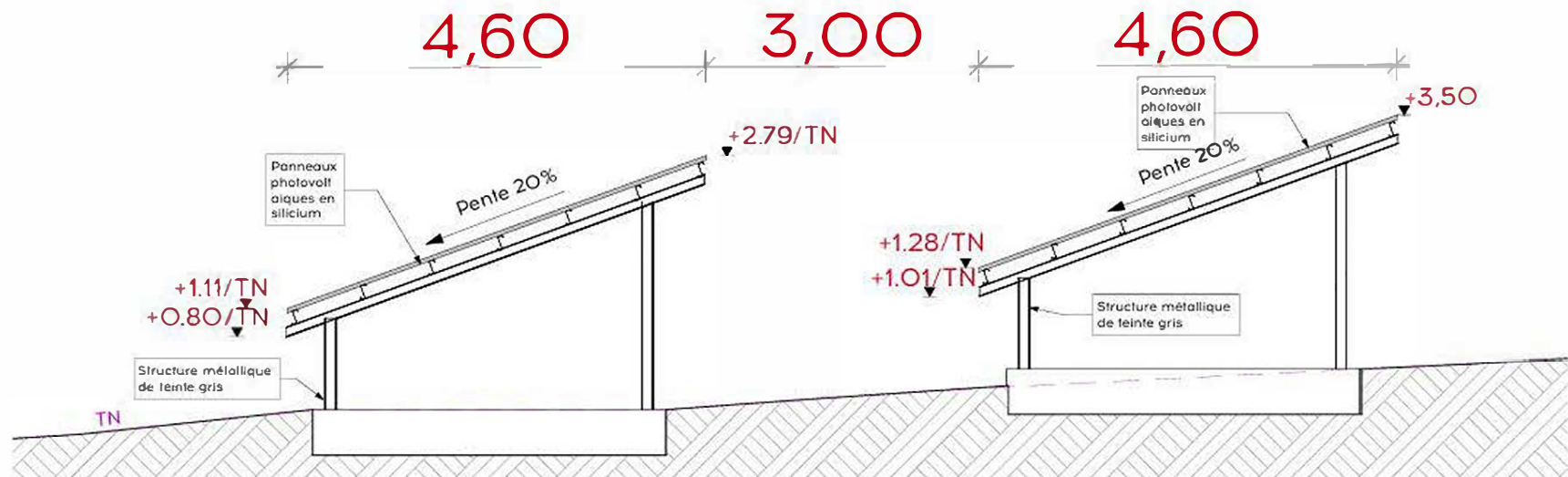
Wind Speed 1m/s



AA

COUPE AA

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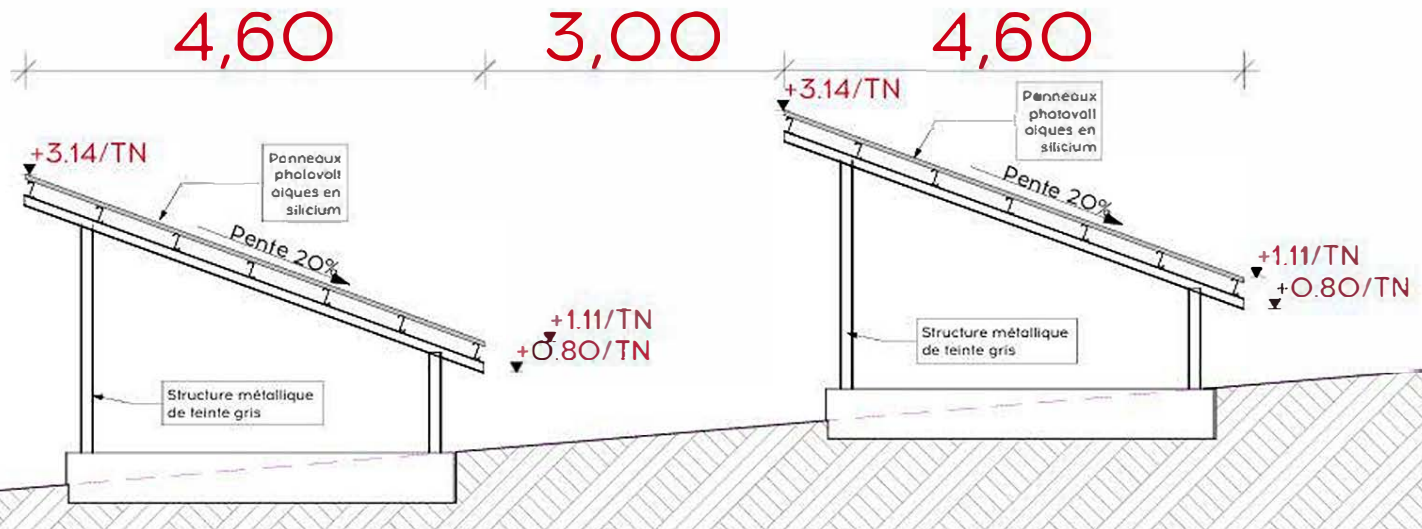
AA

ZOOM sur COUPE AA

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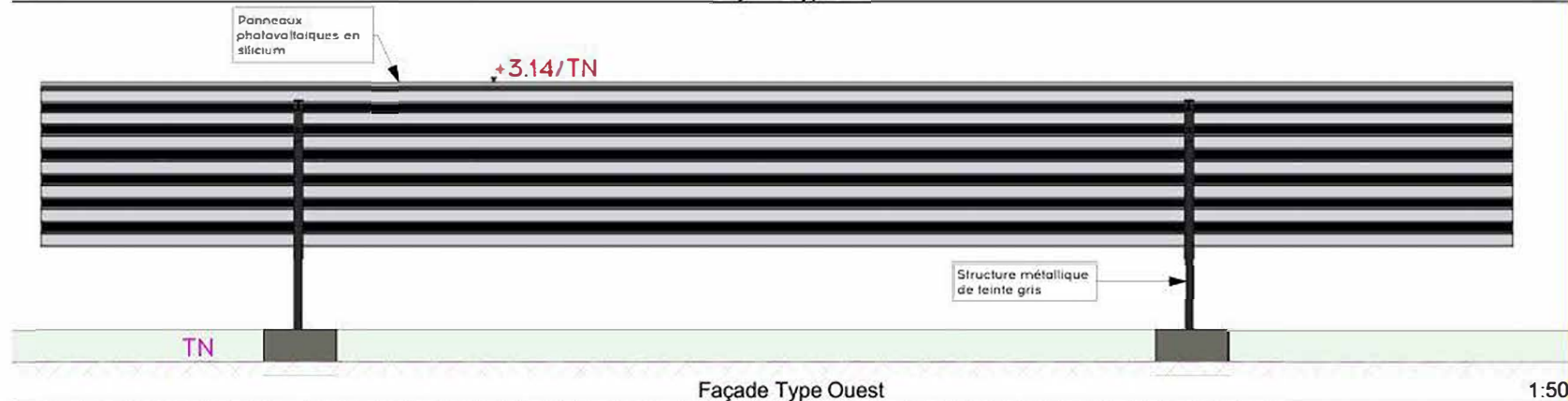
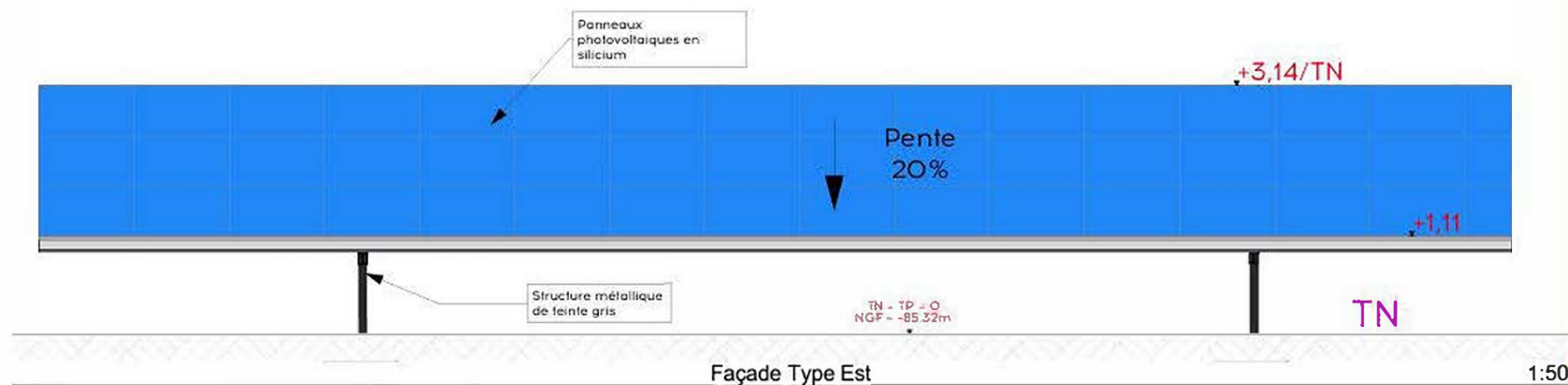
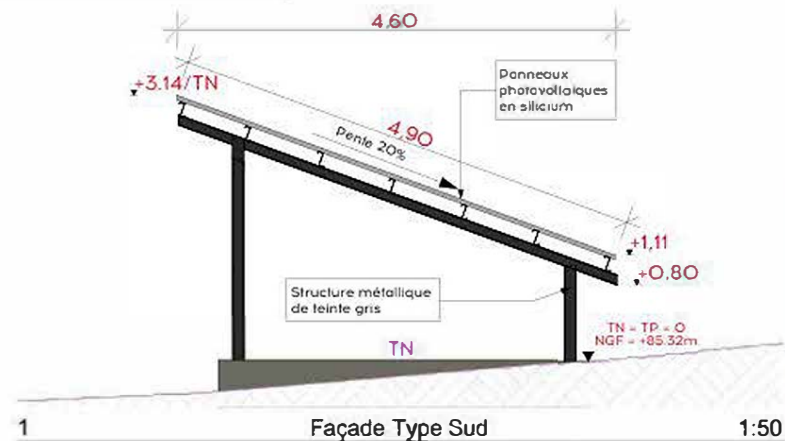
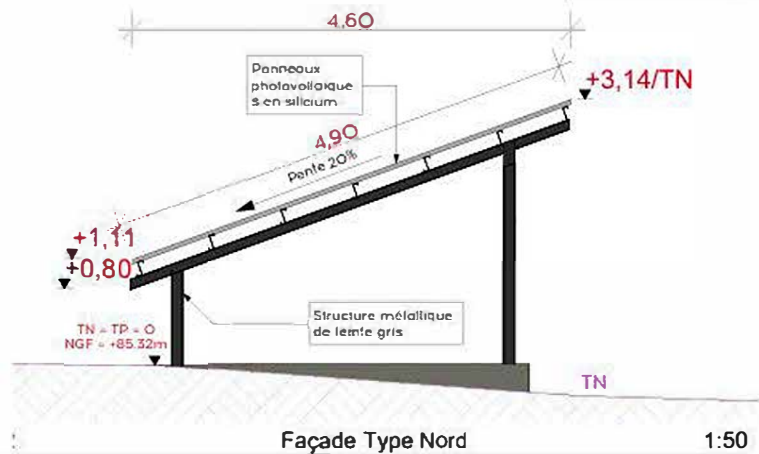


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FACADE : 2 Tables orientées à l'EST



FACADE : 4 Tables orientées à l'Ouest

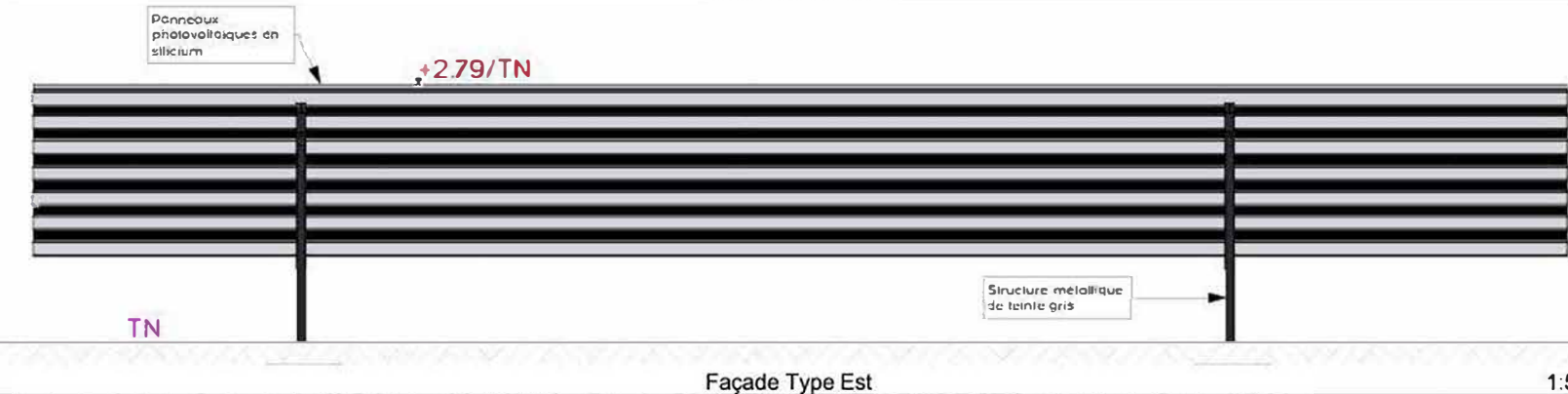
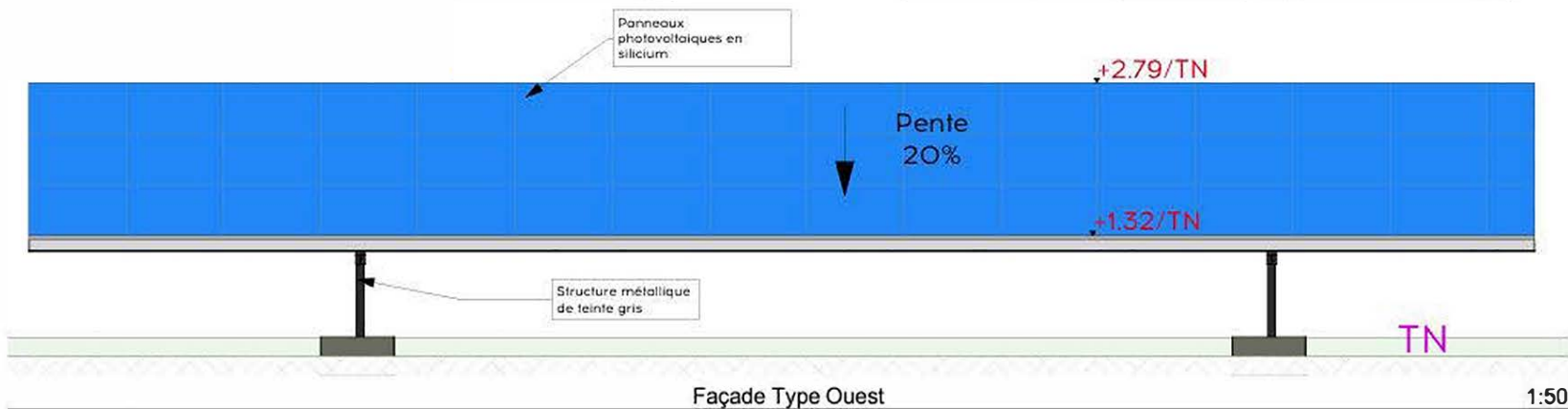
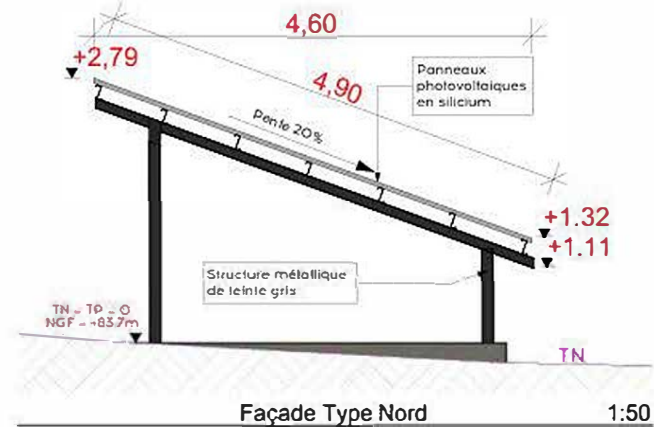
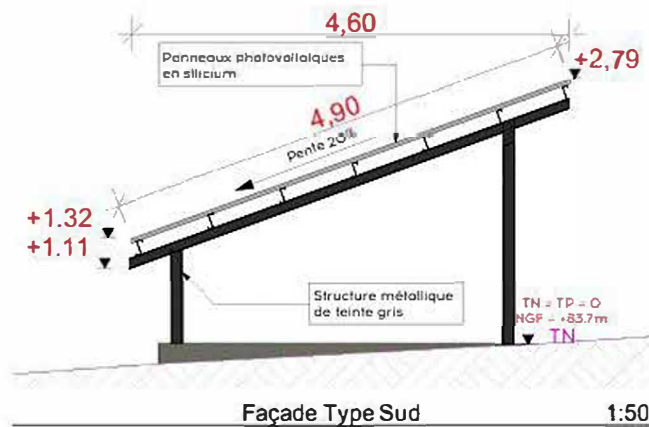


Schéma du ruissellement de l'eau pluviale

