



Arq. Mila Plaza, VP Global
Business Development

27 de Noviembre 2014

www.onyxsolar.com

CONAMA2014

DEL 24 AL 27 DE NOVIEMBRE DE 2014 | MADRID





1. COMPAÑÍA
2. PRODUCTOS
3. PROYECTOS



COMPañÍA







1. ENISA Línea EBT Empresas de base tecnológica

Año: 2011

2. ENISA Línea ENISA Expansión

Año: 2013





PRODUCTOS

10 CLAVES



PROPIEDADES BIOCLIMÁTICAS



1	GENERACIÓN DE ENERGÍA		4	ILUMINACIÓN NATURAL	
2	FILTRO UV & IR		5	DISEÑO INNOVADOR	
3	AISLAMIENTO TÉRMICO & ACÚSTICO		6	REDUCE EMISIONES DE CO ₂	

APUESTA POR LA SOSTENIBILIDAD

RSC

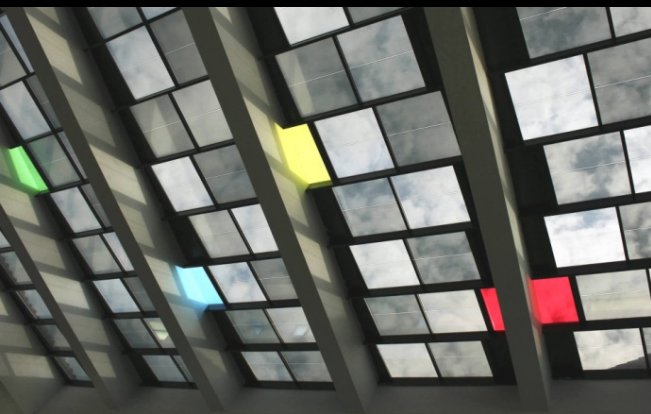


BREEAM®





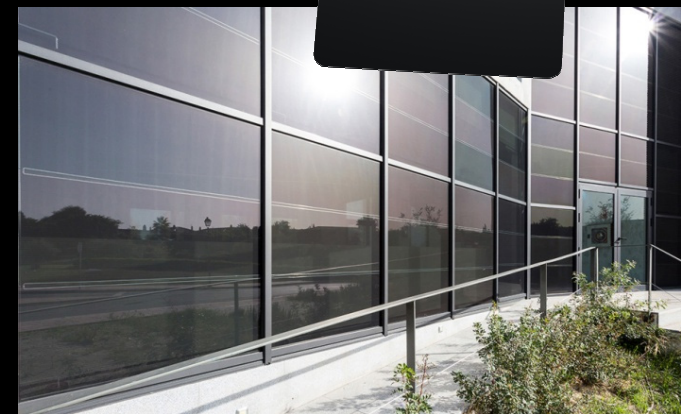
PROYECTOS



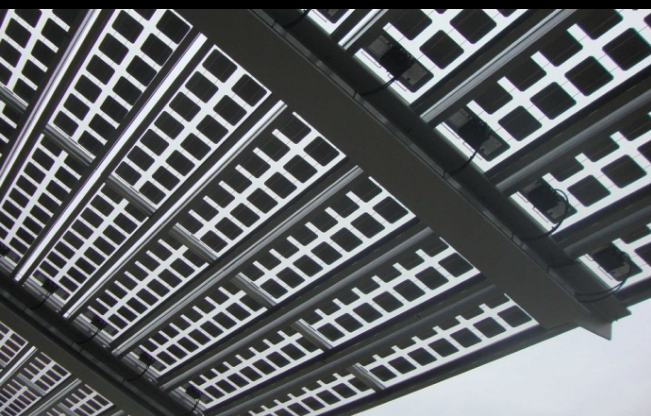
SKYLIGHT



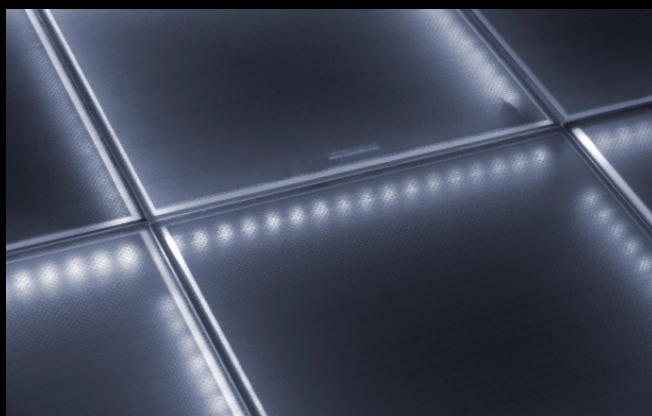
VENTILATED FACADE



CURTAIN WALL



CANOPY



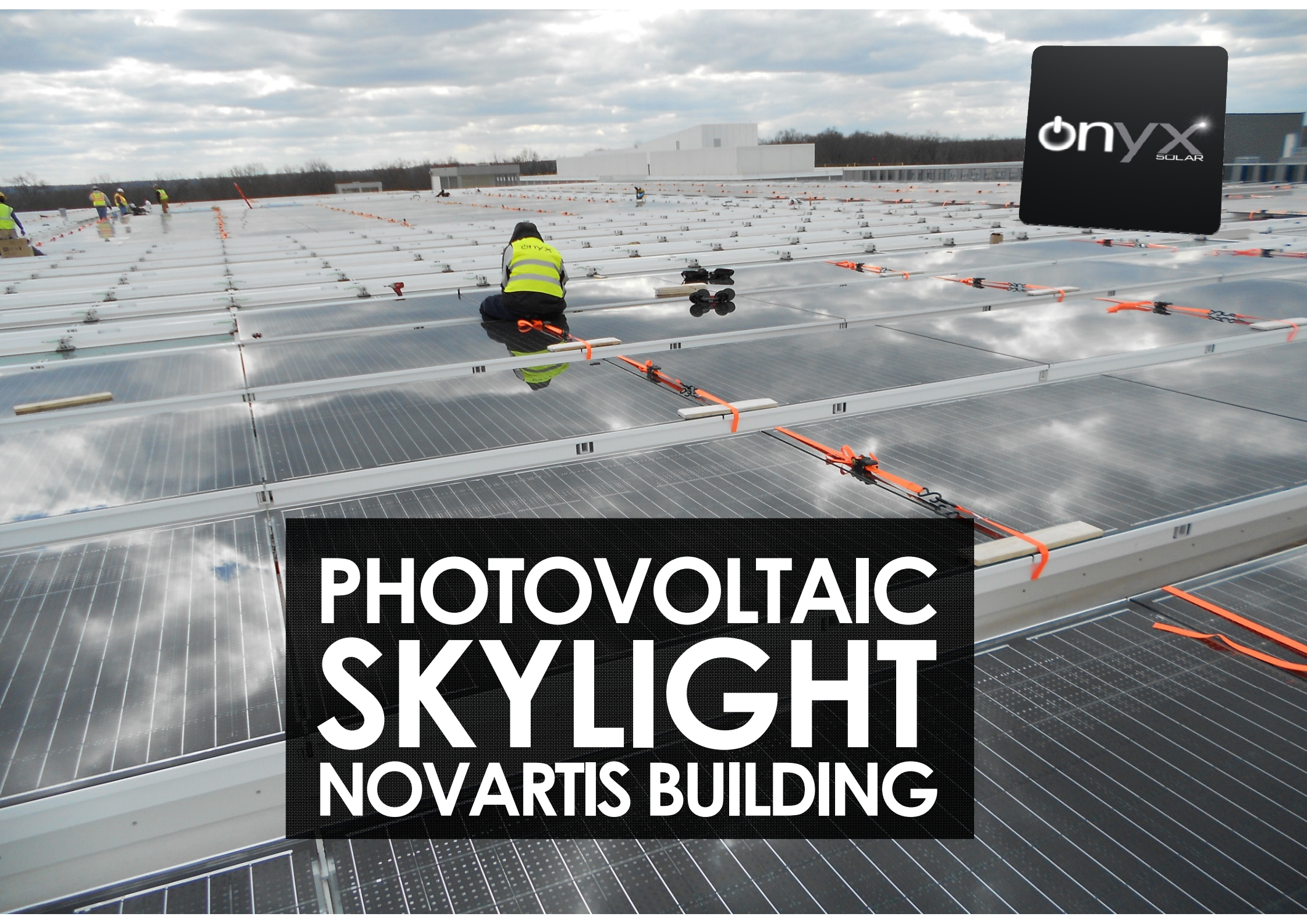
PV FLOOR



URBAN FURNITURE



CASE STUDY



onyx
SOLAR

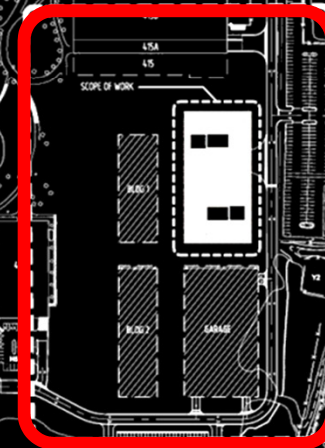
PHOTOVOLTAIC SKYLIGHT NOVARTIS BUILDING

SITE PLAN



NEW JERSEY

EAST HANOVER



LEGEND



EXISTING BUILDING

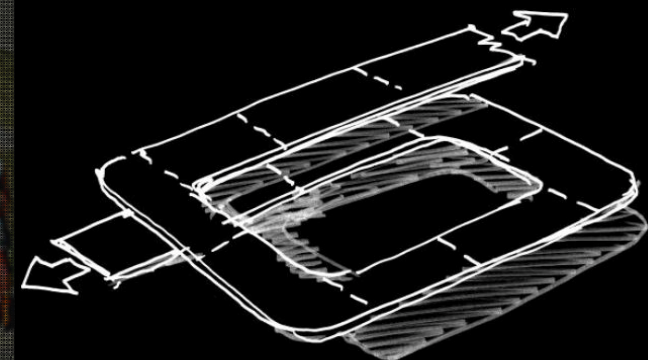
PROPOSED BUILDING

WATER BODY

PROJECT IDEA



THE NEW OFFICE BUILDING FOR THE ONCOLOGY DIVISION IS PART OF A LARGER MASTER PLAN DEVELOPMENT SCHEDULED THROUGH 2050. IT HOUSES 800 OPEN WORKSTATIONS, A 50-SEAT CAFÉ, A FITNESS CENTER AND CONFERENCE ROOMS.



ONYX SOLAR SOLUTION



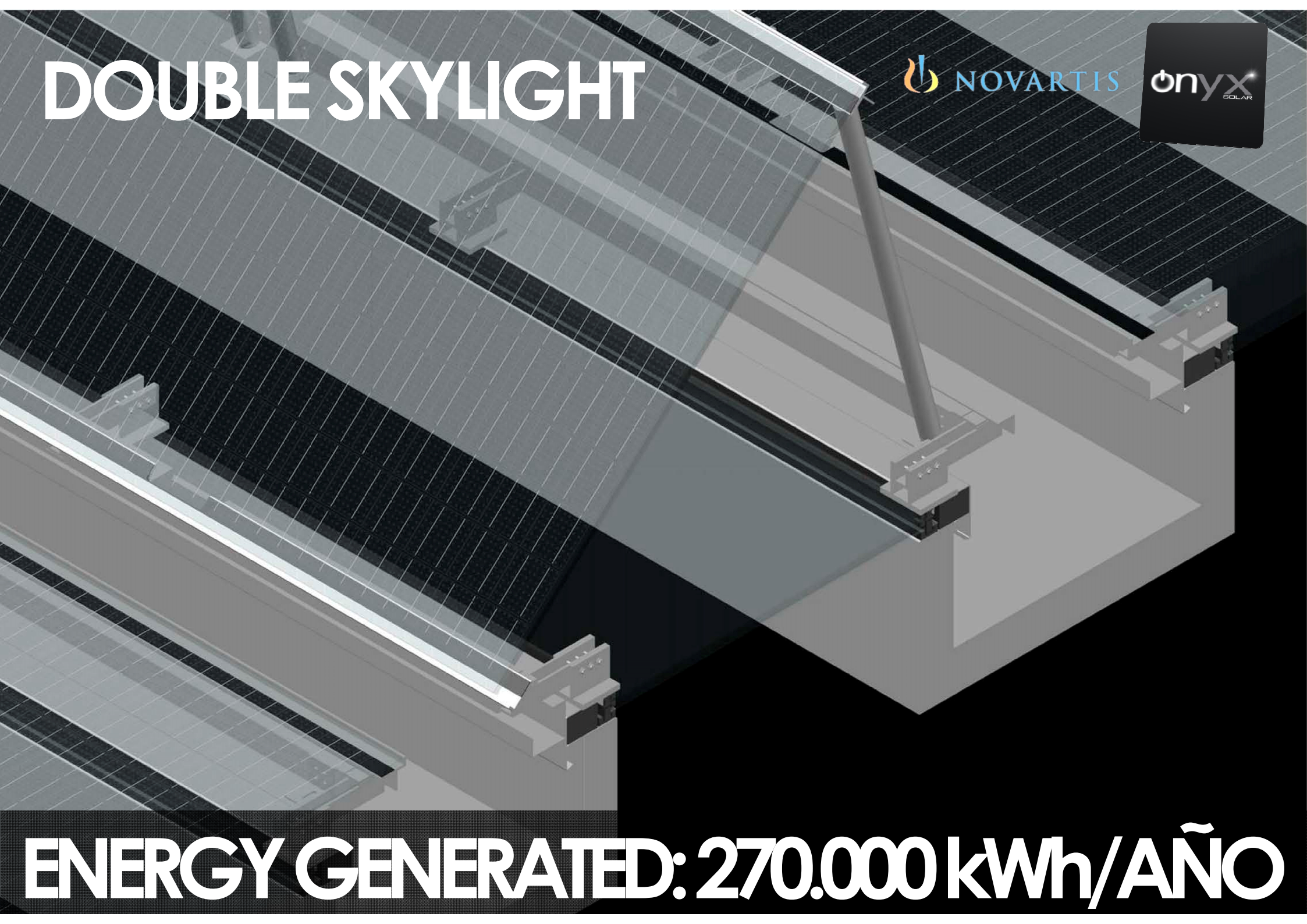
THE PHOTOVOLTAIC SYSTEM IS INSTALLED AS A SECOND SKIN OVER A TRADITIONAL SKYLIGHT OF THE BUILDING 337'S ROOFTOP OF THE NOVARTIS PROJECT, LOCATED IN EAST HANOVER, NEW JERSEY . THE BUILDING COUNTS ON A 55.000 SQ FT ROOFTOP WHICH IS MADE OF ELONGATED SKYLIGHTS AND GUTTERS AS NEXT PICTURES SHOW.

OPENABLE SKYLIGHT



**MONO CRYSTALLINE SILICON
TRANSPARENCY GRADE OF 10%**

DOUBLE SKYLIGHT



 NOVARTIS



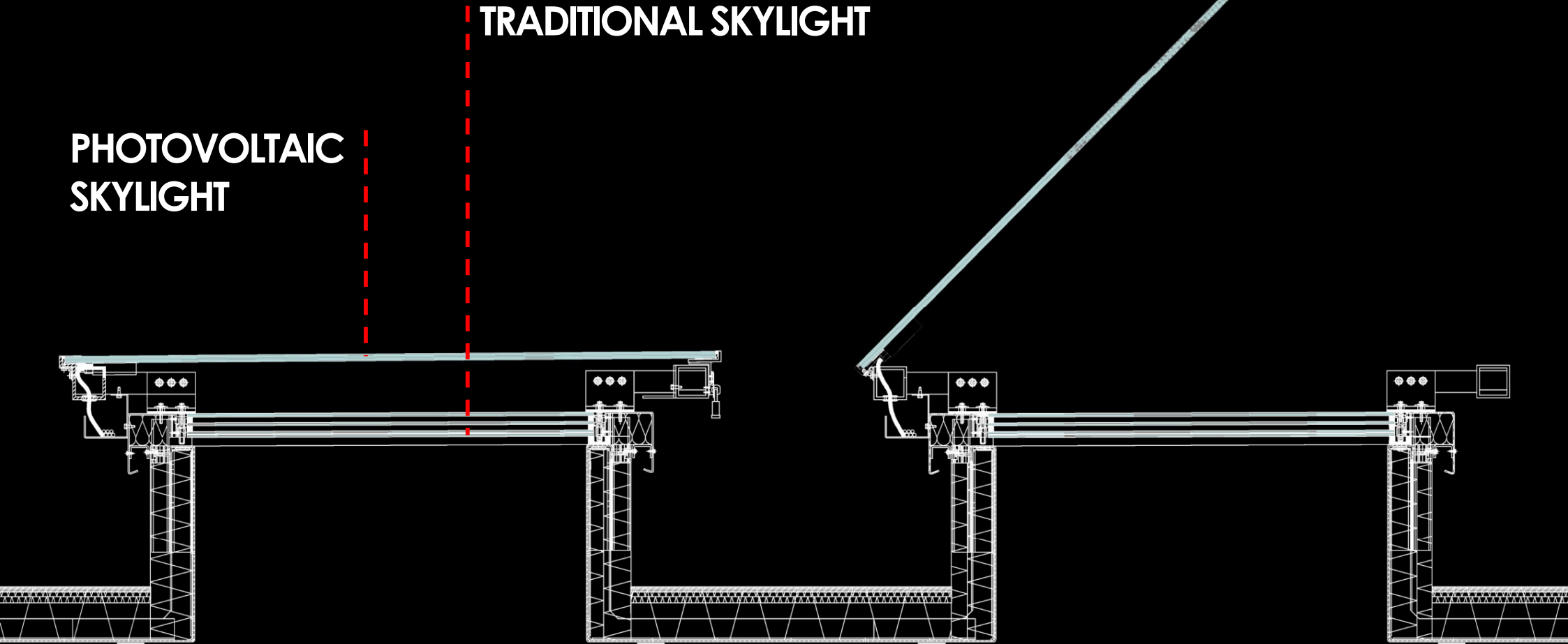
ENERGY GENERATED: 270.000 kWh/AÑO

ONYX SOLAR SOLUTION



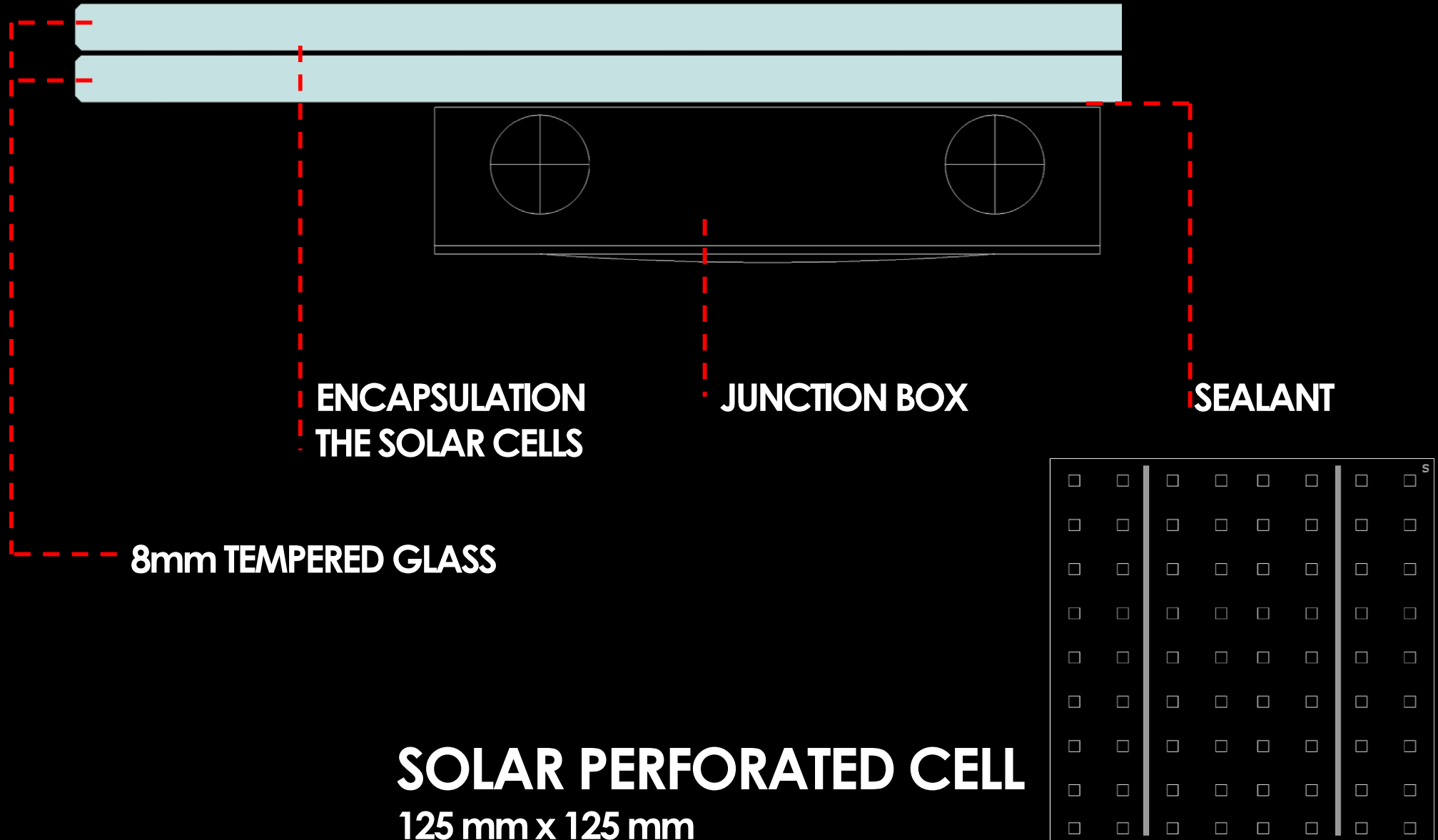
TRADITIONAL SKYLIGHT

PHOTOVOLTAIC
SKYLIGHT

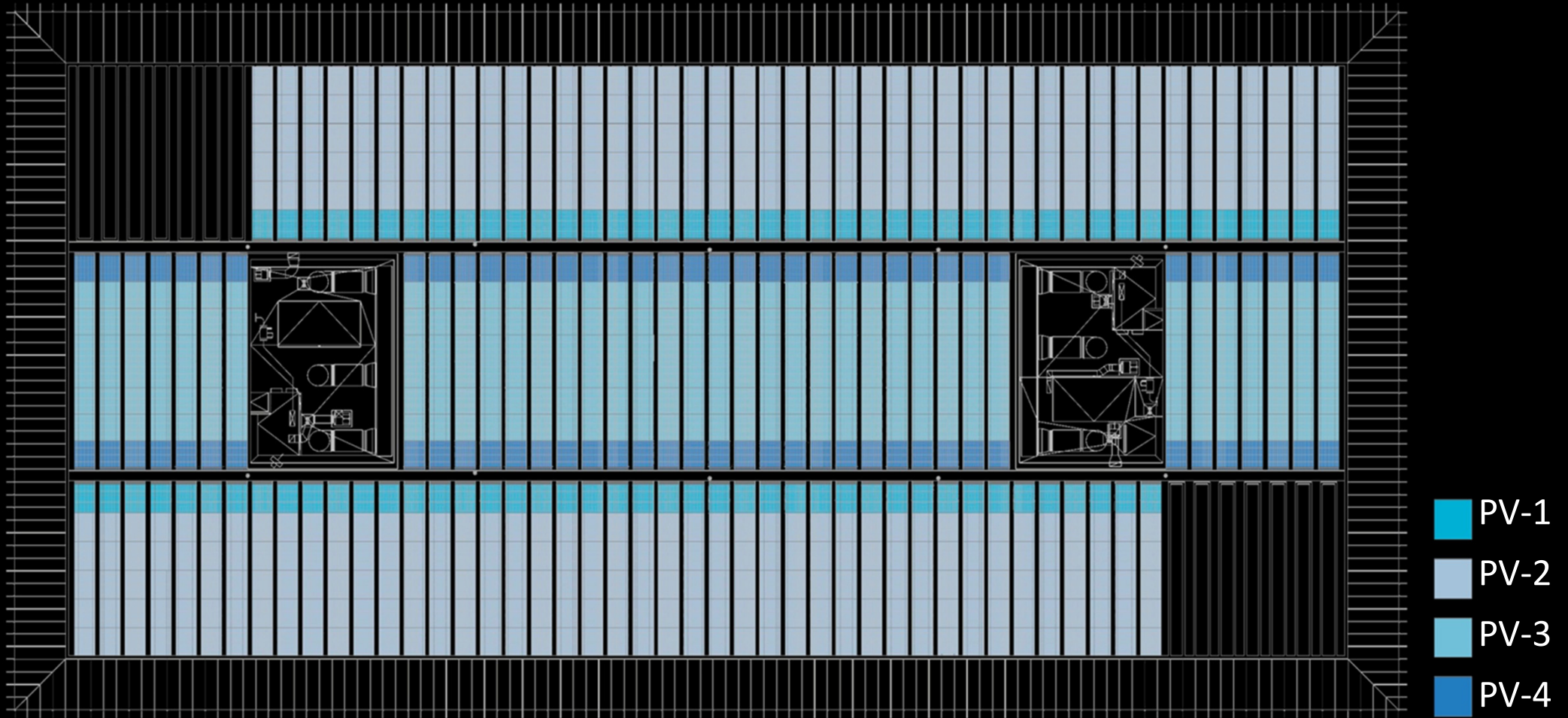


**PV MODULES ARE HINGED TO ALLOW ACCESS
FOR WINDOW CLEANING OF SKYLIGHT BELOW**

GLASS CONFIGURATION



PV GLASS DISTRIBUTION



820 PIECES OF PHOTOVOLTAIC GLASS

ONYX SOLAR SOLUTION



THE PV MODULES REST OVER AN ALUMINIUM STRUCTURE MECHANICALLY JOINED TO A TRADITIONAL SKYLIGHT THROUGH A CLIP OR PV BRACKET, THAT WORKS AT THE SAME TIME AS THE TRADITIONAL SKYLIGHT'S PRESSURE CAP AND SECOND SKIN SUPPORT.

CONSTRUCTIVE DETAILS



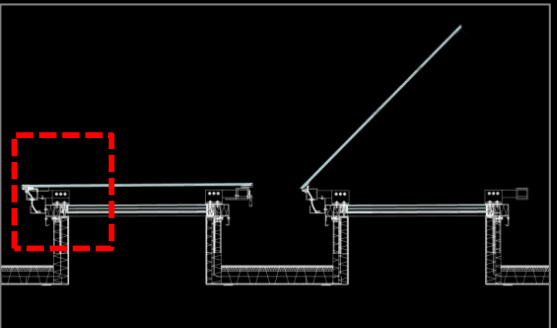
U-SHAPE OUTRIGGER

ALUM. SUPPORT TUBE

PERFORATED WIRE TRAY

NOTCH FOR JUNCTION BOX

CONSTRUCTIVE DETAILS



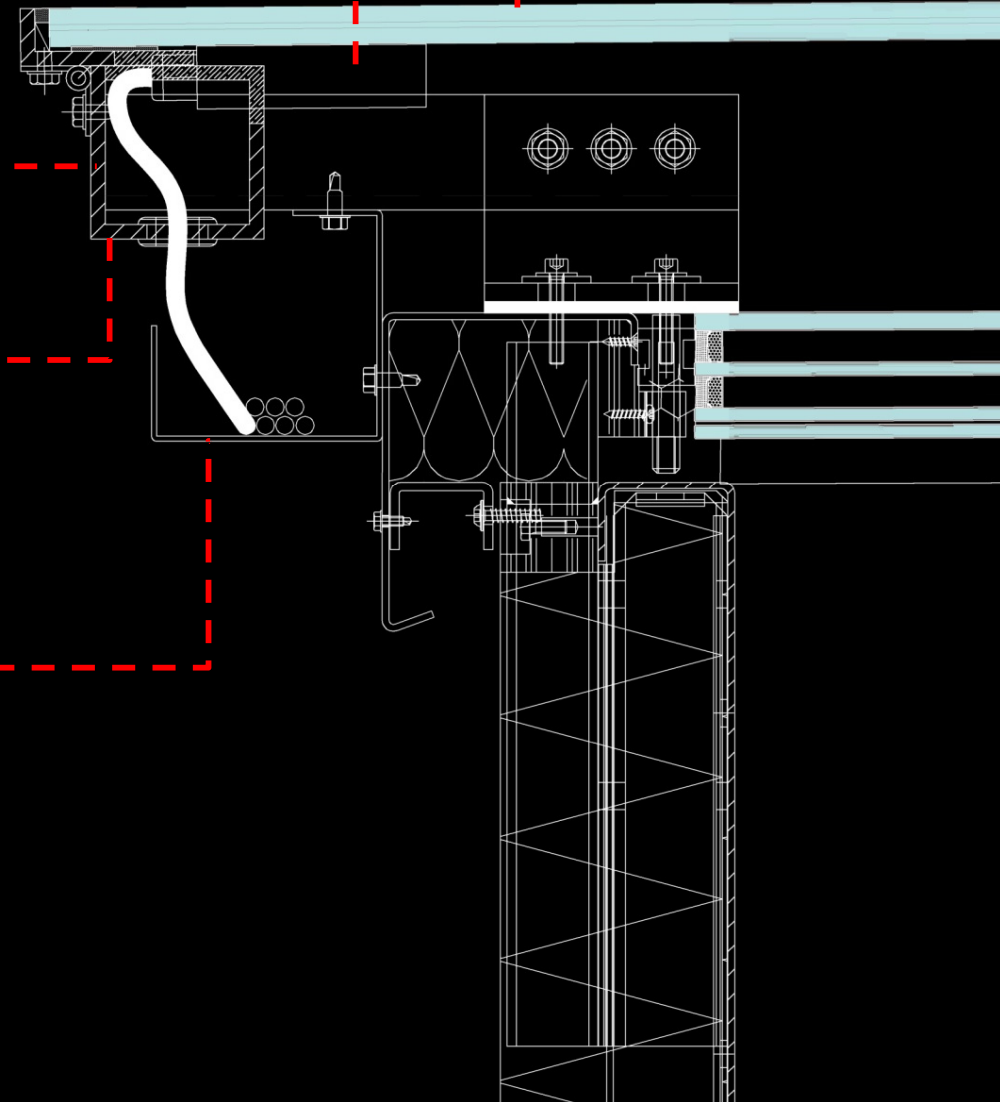
PHOTOVOLTAIC GLASS

JUNCTION BOX

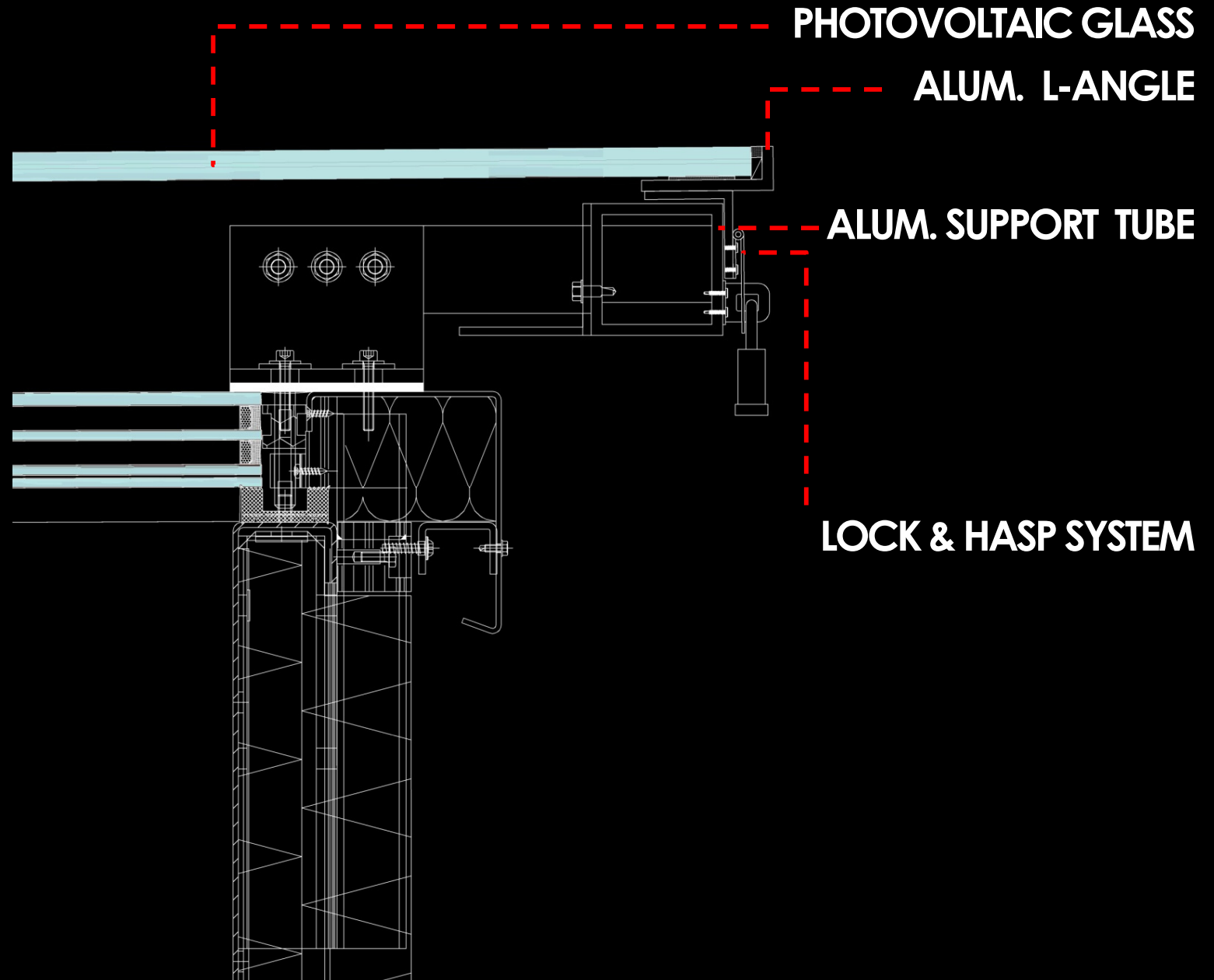
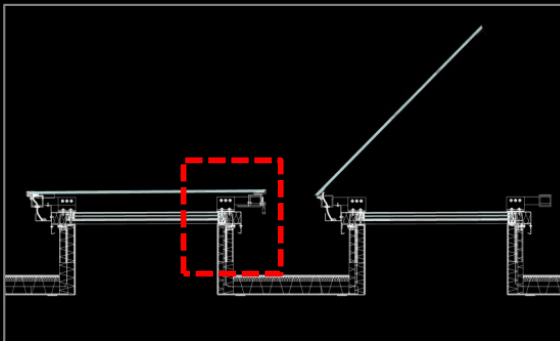
ALUM. L-ANGLE

ALUM. SUPPORT TUBE

PERFORATED. WIRE TRAY



CONSTRUCTIVE DETAILS



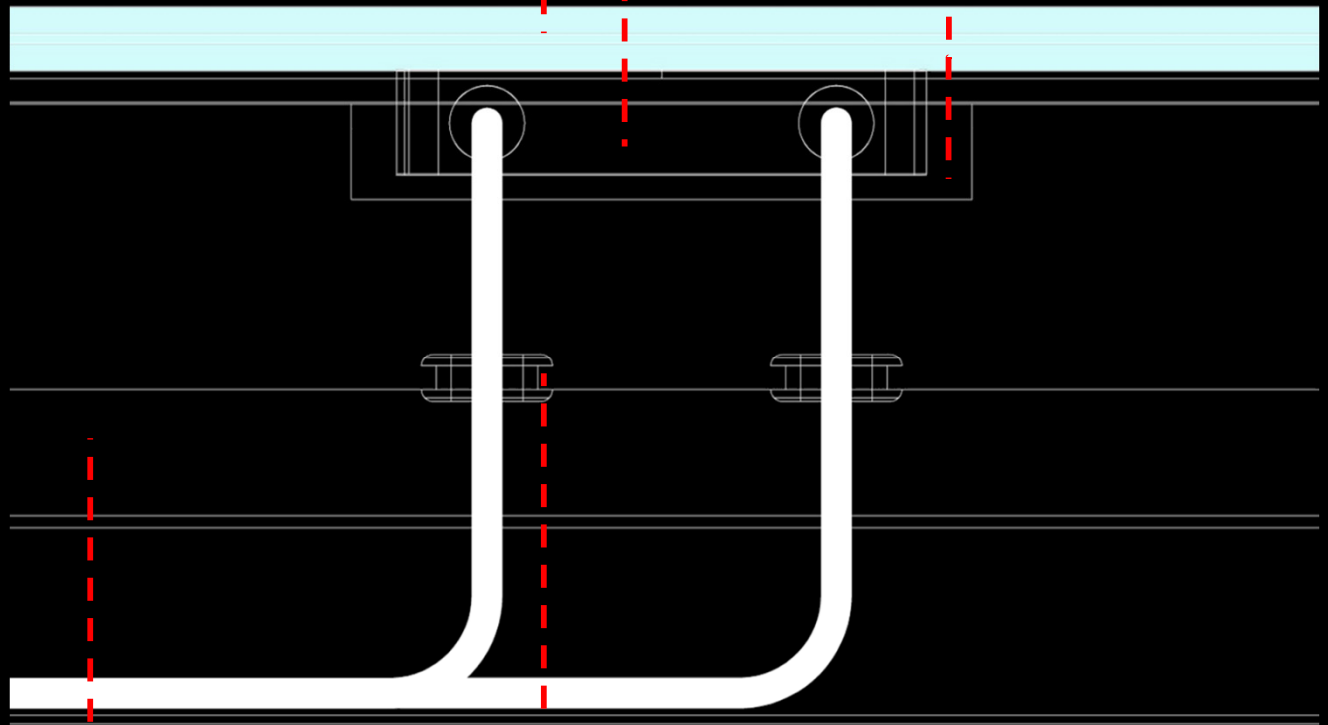
CONSTRUCTIVE DETAILS



PHOTOVOLTAIC GLASS

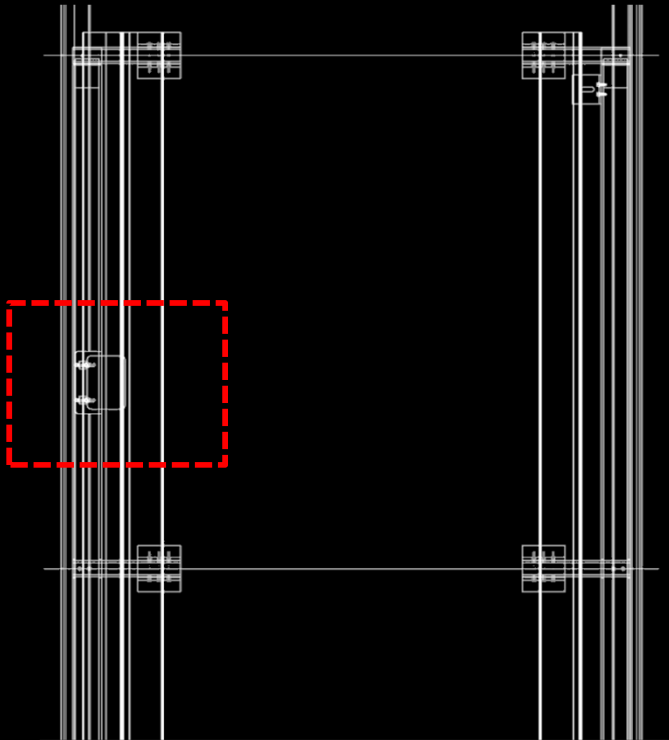
JUNCTION BOX

NOTCH IN SUPPORT TUBE
FOR JUNCTION BOX



ALUM. SUPPORT TUBE

RUBBER GROMMET



ONYX SOLAR SOLUTION

 NOVARTIS

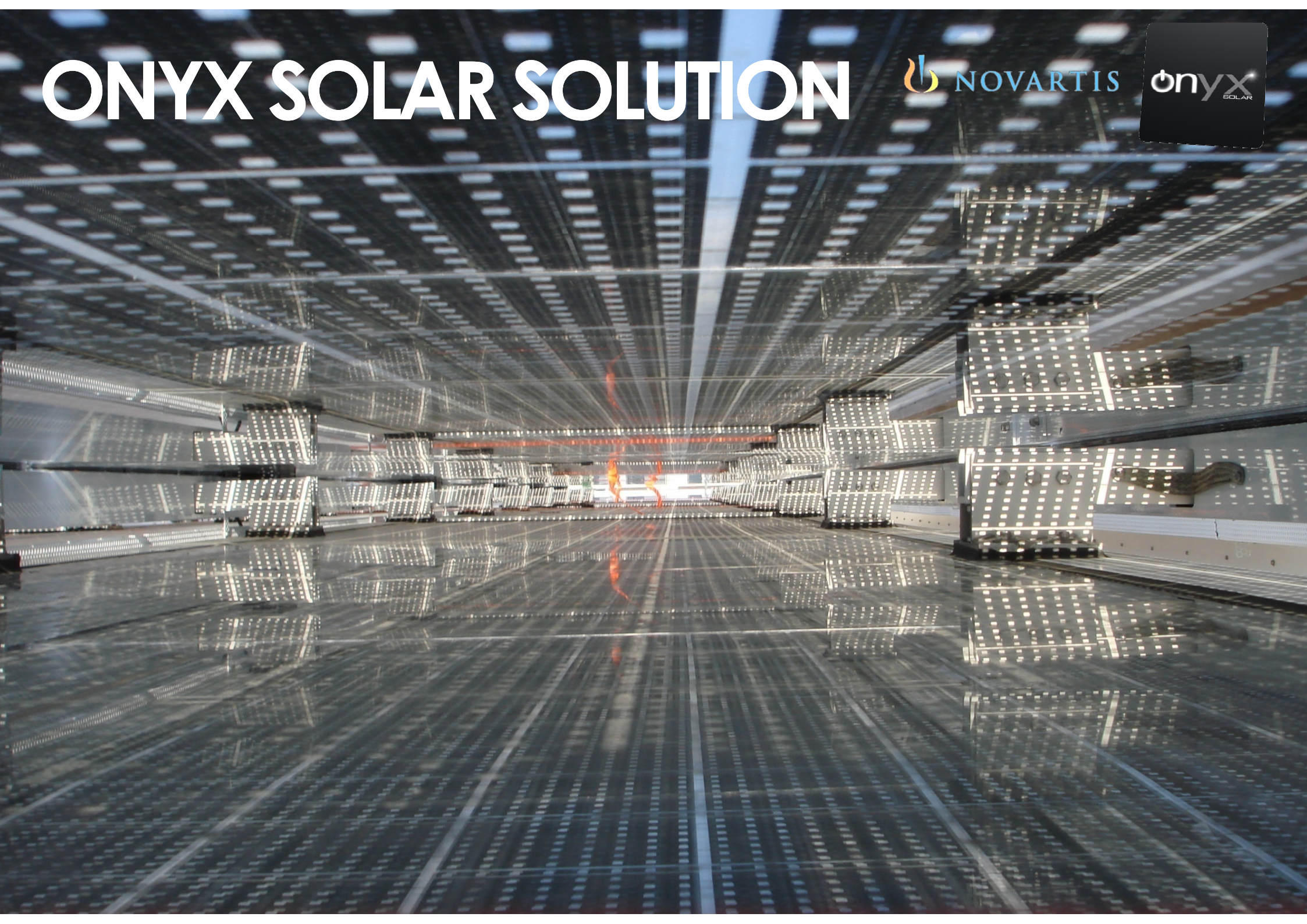
 onyx
SOLAR

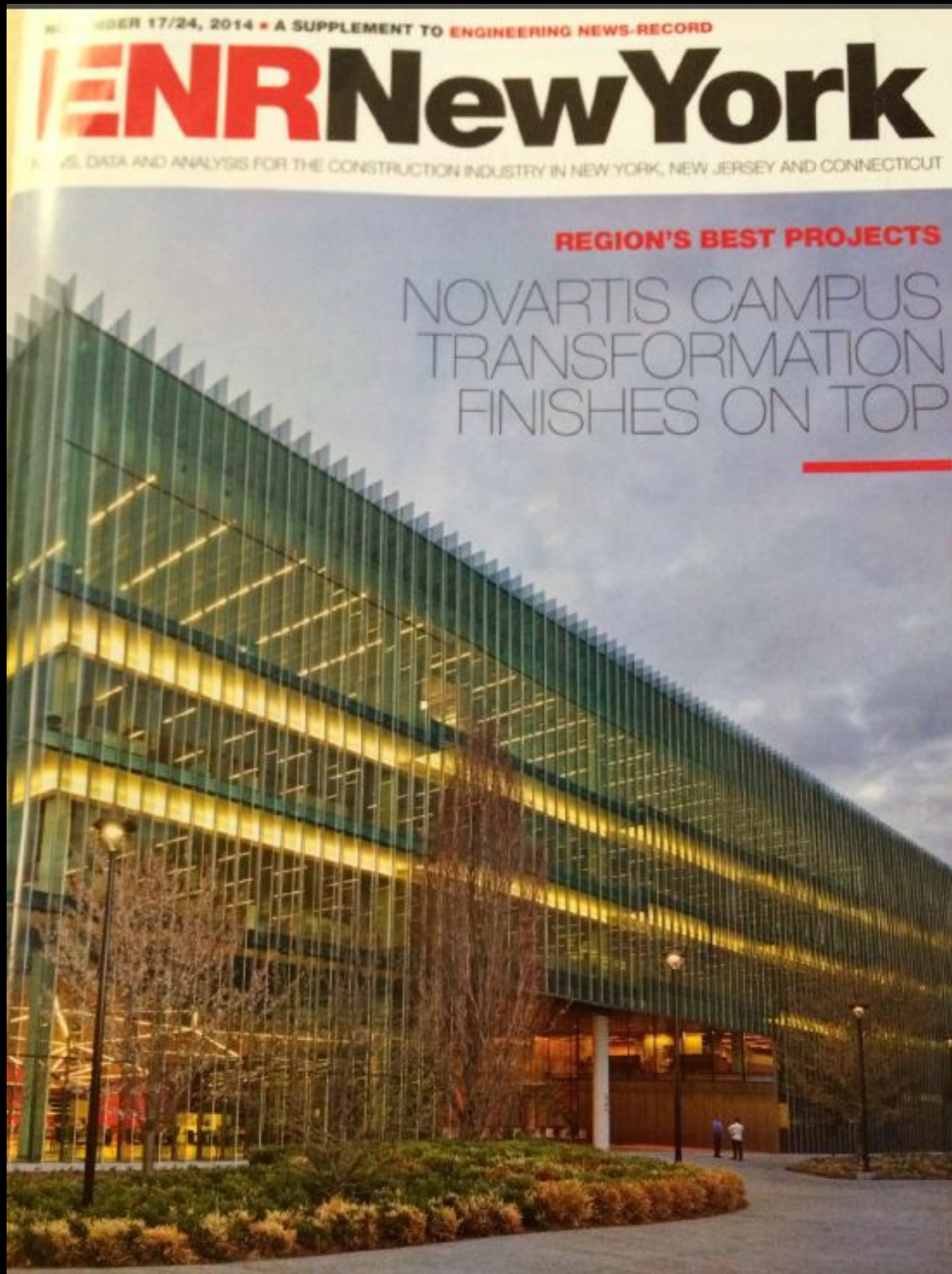


ONYX SOLAR SOLUTION



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SOLAR





El proyecto para la empresa farmacéutica Novartis en Nueva Jersey, donde Onyx Solar ejecutó el mayor lucernario fotovoltaico del mundo, ha sido recientemente galardonado por la prestigiosa Engineering News-Record (ENR, McGraw Hill) como el mejor proyecto regional del año 2014 en la categoría. Gana en la categoría Green, en la categoría general de Office/Retail/MixedUse y como proyecto regional del año!



**"solar architecture is not about fashion it is
about survival"**

Sir Norman Foster

POR UN MUNDO MÁS SOSTENIBLE



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