



Climate Wall Photovoltaic





NOISE PROTECTION FOR TODAY,
TOMORROW AND THE FUTURE



Product properties

- Individual construction height of up to 39.4 ft
- Up to three rows of photovoltaic panels
- Can be planted with greenery
- Is founded flat
- Binds CO₂ and fine dust
- Long service life of up to 60+ years
- Can be easily combined with other wall types
- according to ZTV-LSW
- certified

Advantages

-  Binds 100 % of its own production emission of CO₂
-  Contains static elements that last at least 60-80 years
-  Consists of 98 % on-site excavation soil
-  Significantly less expensive than conventional noise barriers



228 East 45th Street, Suite 9E,
New York, NY 10017
United States of America

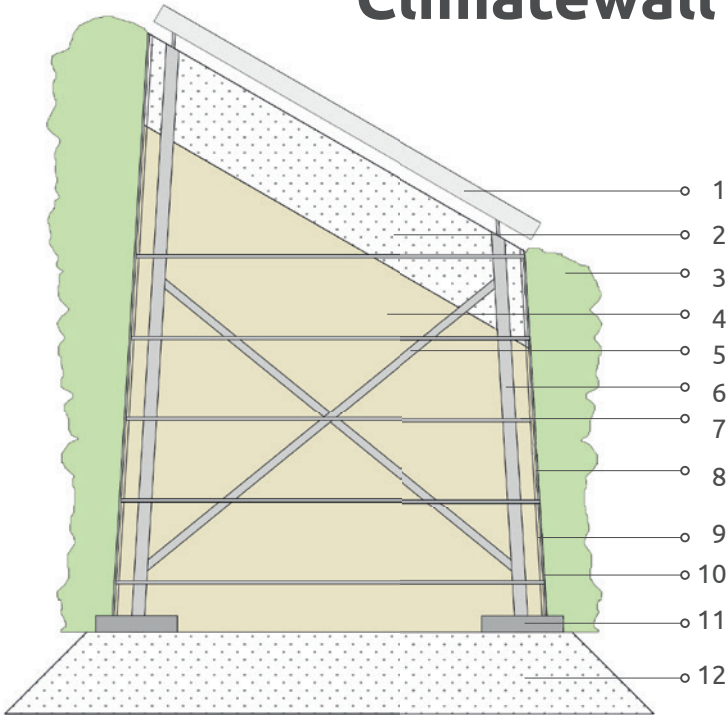


+1 646 817 1711
contact@climatewall.com
www.climatewall.com



INNOVATION IN GREEN

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- 1 Photovoltaic module
- 2 Crushed stone 32/56
- 3 Vegetation
- 4 Filling material sandy soil
- 5 Cross reinforcement 30/3
- 6 Steel tube 1.89 in
- 7 Tie rod 0.47 in
- 8 Geotextile, UV-resistant
- 9 Steel mat 0.28 in
- 10 Needle 0.62 in
- 11 Concrete slab, thickness 1.5–3.15 in, width 7.9–3.15 in
- 12 Recycled base course

As a company committed to ecological and economic advancements, ClimateWall introduces an innovative approach to road noise protection. The **ClimateWall Photovoltaic** noise barrier combines green noise protection with renewable energies, resulting in a doubly ecological solution.

Collaborating with solar industry partners, ClimateWall implemented a revolutionary idea – utilizing noise barrier surfaces to generate electricity.

The ClimateWall Photovoltaic noise barrier, the world’s first green noise barrier with photovoltaic technology, has been producing electricity, oxygen, and binding fine dust and CO₂ for ten years. The basic structure is a modified version of the proven ClimateWall Standard construction method, incorporating mountings for the photovoltaic system.

Classification of acoustic properties

	Sound insulation	Absorption
ClimateWall Photovoltaic	DLr = 68 dB	DLa = 20 dB



In addition to planting greenery and minimizing the use of resources, the company keeps its interference with nature as low as possible. Furthermore, the climate-neutral noise protection wall systems can be easily deconstructed (KlimAktiv, 2020).



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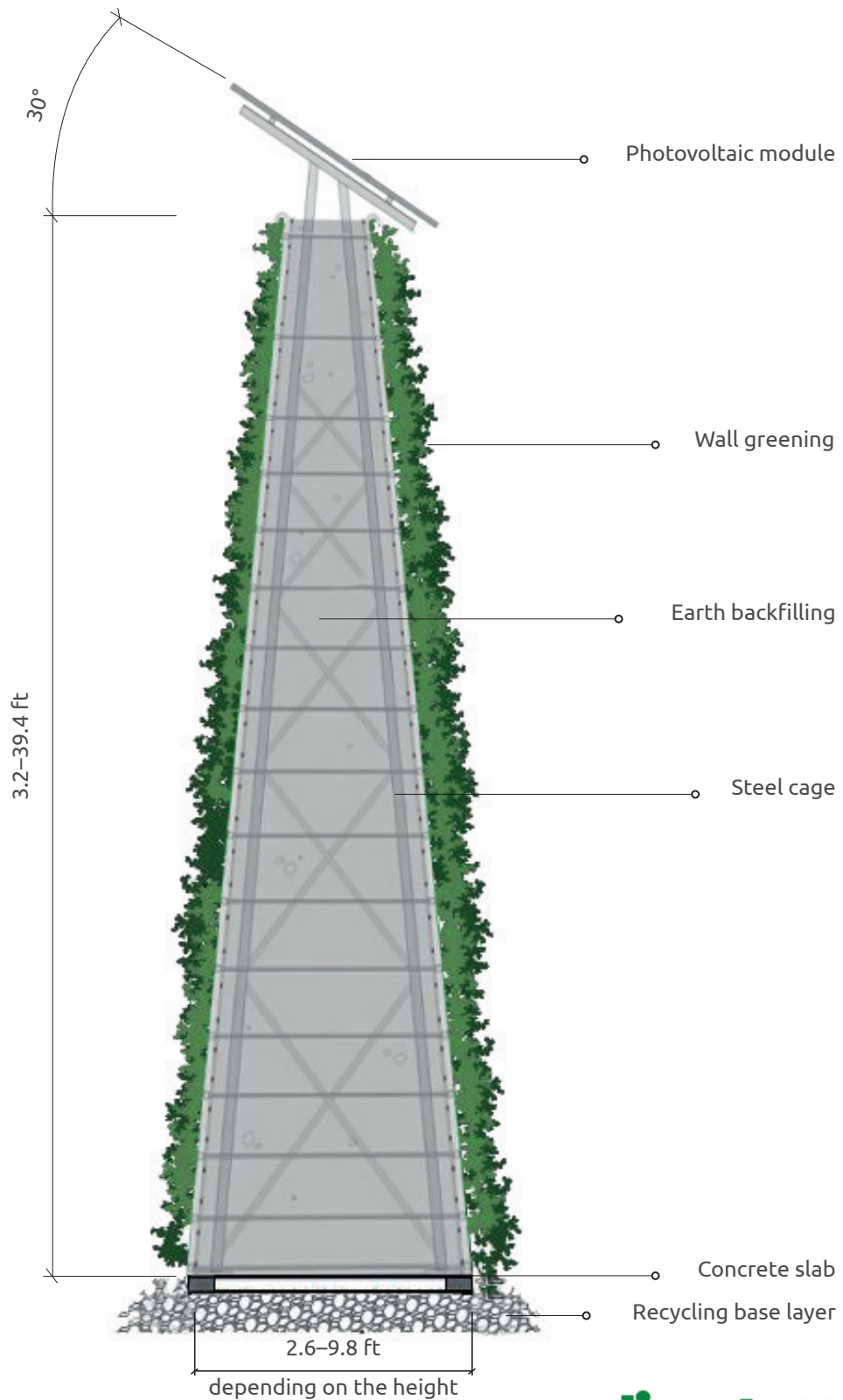


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CLOSE TO NATURE

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Construction height up to 39 ft

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