Surna Provides Guide For Cannabis Facility Architectural Design Practices

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Surna Cultivation Technologies, a cannabis facility architectural design firm based in Boulder, Colorado has published a list of best practices. Surna Cultivation Technologies is a full-service indoor ag company that offers a wide range of products and services for indoor farms. Their team of experts has a deep understanding of both the legal landscape and the needs of the cannabis industry, and we are here to help our clients succeed. Surna's comprehensive services include structural engineering, dehumidification, water treatment, commercial reclamation engineering, automation (lighting, humidity, CO2, & nutrient dosing control systems), and HVACD systems specifically for cannabis facilities.

Surna is a comprehensive facility design company, a producer and supplier of HVAC equipment. Additionally, Surna offers architectural services, MEP drawings, permitting assistance, and, if necessary, coordinates with other design disciplines. According to Surna, "In order to ensure the client receives the best price for the mechanical equipment specified on drawings. We leverage both our own manufacturing power and our purchasing power with other manufacturers."

Surna continued by stating, "The architectural design of a cannabis cultivation facility will lay the foundation of the rest of the operation. That's why getting it right is so important."

The process of developing structures and areas for the cultivation of cannabis is known as cannabis facility architectural design. Cannabis producers have unique needs, and architects who specialize in this kind of design need to be conversant with both those needs and the rules that apply to them. Additionally, cultivators must be able to design safe, effective, and useful spaces.

There are a few considerations for cannabis facility design; to begin with, the facility's layout should be planned for smooth workflow and optimal efficiency, especially when developing room layouts that take the plant's development cycle and post-harvest processing operations into account. Surna added that the

proximity and access from room to room should make practical sense when cannabis is moved from seedling/clone stage through veg, and then on to flower.

Another consideration for facility design is proper lighting. "Ample lighting and airflow should be provided in the cultivation rooms. It should be the right size to accommodate the number of plants you need per square foot, as well as room for aisleways, irrigation, and climate control systems," Surna commented.

Lowering the cost of controls is one way Surna can help their clients through facility design. This is achieved through comprehending the mechanical design's intention, which reduces design time, eliminates waste, and speeds up the deployment of systems to reduce the time to market for our clients. In order to ensure that performance is optimum and that clients are informed if anything needs attention, Surna can monitor and evaluate the operation of the climate systems of our clients.

On their website, Surna states, "we work closely with the construction trades onsite to make sure that installation is done correctly and corners aren?t cut. And we have a boots-on-the-ground team that starts everything up, ensuring that it?s working as designed. And if it?s not, we figure out why, and we make sure it gets corrected."

To aid cultivators in facilitating their grow room design, Surna has published a guide outlining the role architectural design plays in grow facilities.

Interested parties can download the guide for free at https://surna.com/cannabis-facility-architectural-design/ or connecting with Surna on their social channels.

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Surna Cultivation Technologies

Surna, Inc is headquartered in Boulder and brings value-added climate control solutions to the cannabis industry. Surna helps improve crop yield, optimize energy & water efficiency, and satisfy state and local codes, permitting and regulations.

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