Indoor Cultivation Engineering Company Provides Grow Facility Tips for New Cultivators

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Surna Cultivation Technologies (www.surna.com), an indoor cultivation engineering company based in Colorado, published an article to help new controlled environment agriculturalists understand some of the nuances of growing indoors. In an article titled "Building a Grow Facility: Tips From a Grow Room Architectural Designer," Surna discusses why it's essential to leverage the experience of someone familiar with indoor growing instead of jumping to cost-cutting measures.

Surna commented, "The first step in any cannabis business plan should be to determine what type of cannabis production facility you want to build." This includes identifying the market segments you want to serve and production expectations, which will help you determine the size of the space, deciding whether the structure will be sealed or a greenhouse, and deciding if the facility will be a single building or several connected buildings. This will dictate many aspects of the project, including the size of the building, the number of rooms, architecture, technology requirements, and the location."

The average cost of starting a cannabis-growing facility can vary dramatically. Unfortunately, it's difficult to determine exact costs until cultivators dive into the design process. Often, unique challenges to a grow room will become apparent as additional requirements are added to the scope of work.

Surna also highlights the importance of finding an experienced architectural engineer. While it may be tempting for growers to cut corners during the engineering phase, doing so could be more costly in the long term.

"There are several unique challenges when it comes to growing indoors," Surna says. "MEP Engineering and HVACD are essential components to operating a grow room successfully." In addition, MEP and HVACD can be segmented into additional categories of structural design, civil engineering, mechanical design, electrical design, and plumbing design.

Proper engineering can ensure that the structure has adequate space for grow room equipment, ventilation, electrical power, water supply, and access to utilities. Properly setting up the cannabis grow room also means having a detailed knowledge of local zoning laws and any other regulations that might apply.

Cultivators should be aware that they will need to contact a licensed MEP engineering professional to make sure one is in compliance with local laws and ordinances. Failing to do so could result in large fines or even having the grow room shut down.

"Whether you plan to build a new commercial cannabis facility or retrofit an existing building, it will take several months to over a year to complete. In addition, you will need to hire a team of experienced professionals to help bring your vision to life. Either way, you will need to jump through the hoops related to securing real estate, permitting, building codes, and creating a space that can meet the intense demands of indoor cultivation," Surna notes.

Those who want to learn more about Surna or the variety of products and services the company provides can find more information on their website. Additionally, they encourage interested parties to connect with them via contact form. Surna also maintains a presence on Facebook and Twitter, posting updates and communicating about its services.

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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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