CONNECTICUT POST



Brian A. Pounds/staff photographe

David Lipton, managing partner of Advanced Grow Labs, stands by the vault where medicinal marijuana will be stored during a tour of the facility being constructed at 400 Frontage Road in West Haven



Medical pot bringing jobs

Construction industry benefitting with need for secure dispensary facilities

By Ken Dixon

Months before any cannabis-based products will reach patients, Connecticut's new medical-marijuana industry has already created hundreds of jobs - in construction.

Former factories are being reconfigured into secure pharmaceutical facilities for the growing, harvesting, curing and preparation of various strains of marijua na that should be delivered to the state's dispensaries by early fall.

Since the state awarded four marijuana

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producer licenses in January, an estimated \$20 million has been committed to the West Haven, Watertown, Portland and Simsbury buildings that in a few weeks will begin growing thousands of pounds

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From seed to pharmaceutical

Can be grown from seed or by taking cuttings from adult



18 hours of light and six hours of darkness A.M.



emale plants taken From cuttings to to flowering rooms. where buds will be encouraged to grow 12 hours of A.M. P.M.

harvest takes 90 days Seeds take longer Flowers are hung and dried for varying amounts of time.



marijuana growing facility being constructed at 400 Frontage Road in

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Dispensaries lead to construction jobs

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"As far as we know, folks are busy building out facilities, getting ready to produce product," Department of Consumer Protection Commissioner William M. Ru-benstein said in a recent interview. "They have six months to become operational."

In a West Haven industrial zone parallel to Interstate 95, David Lipton, managing partner of the Fairfield-based Advanced Grow Labs, is supervising the conversion of 26,000 square feet of space that will house sterile laboratories, heavily lighted grow areas and budding rooms that will promote marijuana flowers, the part of the plant with the highest concentraion of active ingredients.

During a tour of the sprawling, noisy one-story building last week, more than a dozen electricians. sheet-rock experts and other subcontractors worked to transform the space. The biggest construction surprise came, Lipton said, when his structural engineer announced the roof wasn't strong enough to support the heavy-duty HVAC equipment needed to create an optimal growing climate, as well as the planned ceilings and rows of grow lights.

Steel roof beams have since been reinforced to handle the anticipated load and special, moisture sistant sheetrock will line the

Advanced Grow Labs is one of a series of new projects that are bringing economic growth, said Joseph A. Riccio Jr., commissioner of development for West Haven.

Last year, city building permits brought in \$800,000 to the city, but in the first five months of this year, the total has already topped \$1 million

He said the medical marijuana industry is obviously fostering obs while the region still recovers om the recession.

"This is a good boost for trades men," he said during a phone interview last week. "Every job is a

Growing taxes

Lipton estimates his company has invested about \$2.5 million in construction and equipment, employing dozens of workers at a time, from structural and mechan ical engineers, to steel fabricators to sheet-rock installers, tapers, masons, electricians and plumb ers. Those workers are generating Worker's Compensation and pay-

roll taxes for the state "There's definitely a positiv effect on the economy," he said, adding various building and work permits from West Haven gener ated revenue for the city and that once up and running, the company will also pay personal property

It was on Advanced Grow Labs' cold, then-empty manufacturing floor, that Rubenstein and Gov. Dannel P. Malloy introduced the four producers who had been selected from 16 applicants.

"In early April we got our full



Sativa

» Taller plant

relaxing feeling producing an * Easier to grow ₩ Can flower in » Can flower in 8 10 to 12 weeks.

Most strains are a mix of both types

Indica

» Short plant

that creates a

building permit and then the construction began and in about seven weeks we've completed an incred-ible amount of work here," Lipton said. "Hopefully, within the next few weeks we will complete some more and by early July, mid-July we will be done with constru

From there it will be about 90

days to harvest. "We know we're doing the right thing here," said Lipton, adding that it may be a long time before his multi-million-dollar investment is recouped. "We'll do our best to make the best product. This is a long-term business. I mean, how often do you see a start-up armaceutical company threater

High-end kitchen

Lipton's grower, Klaus Polttila, standing near what will be employee locker rooms, looked around at the building renovations and thought of the future.

"Growing is the easy part," Polttila said. "Once the construc tion is done, we'll ramp up very quickly."

Other rooms will be used for drying and curing marijuana. The front entrance near Frontage Road features bullet-proof glass and a security nerve center. Toward the back of the building in a room with a large walk-in safe, will be the kitchen, where the medical-grade cannabis will be ground up in a process unique to the nation. An outside labora-tory will be contracted to test batches to assure they contain the percentage of active ingredients allowed in state regulations.

The marijuana will be packaged for secure delivery to the six designated dispensaries. While traditional dried marijuana will be ready to be smoked. Lipton is planning a variety of other prod ucts. Extracting machines in the kitchen will remove chemically active oils from marijuana for use in smokeless vaporizers, baked

goods and topical salves. Thirty-two miles to the north in a hilltop Watertown industrial park near Route 8, Ethan Ruby, CEO of Theraplant, is supervising a similar conversion to a 63,000 square-foot building, about half of which will be renovated for initial roduction. The operation will have a 900-square-foot safe for



Production Manager Klaus Polttila, left, and Managing Partner David Lipton at the Advanced Grow Labs medical marijuana growing facility being constructed at 400 Frontage Road in West Haver



room, insulated absorption at the Grow Labs marijuans growing facility being constructed at 400 Road in

storing market-ready material. Ruby, who heads the state growers' association, said his company has invested about \$8 million, nearly half of the estimat-ed \$20 million the four producers have spent for the initial phases of

On a recent day, Ruby counted 73 workers on-site, including landscapers, sheet-rockers and electricians

"It's going well," Ruby said in a phone interview. "Our team that we put together has been incredibly diligent. The construction company has been on-time and on-budget during every single phase. And we couldn't be happier with local building inspectors, fire, police, Couldn't be happier, Patients ould have product by the end of

Laboratory science Theraplant will not have a kitchen to create baked goods,

but does have plans for extracting the THC and other cannabinoids that are the plants' active ingredients. About 2,000 patients have registered so far, with ailments including cancer, Parkinson's disease, multiple lerosis, HIV/AIDs, Crohn's

disease and epilepsy. Ruby has contacted laboratories that will be required to test batches of harvested plant material, but it's too soon to sign agreements, he

It's too soon to determine what marijuana will cost patients, but Lipton and Ruby both said they will seek to make it competitive or cheaper than the underground market. The website priceofweed. com rates Connecticut's market at \$300 to \$400 per ounce. Participants in the medical marijuana program will be able to purchase up to two-and-a-half ounces per

Vaporization of the drug will

likely become the preferred delivery method, Ruby said, allowing atients to inhale the chemical compounds without actually

smoking the material.
"The more health-conscious wil be gravitating toward this," Ruby said. "And doctors and pharmacists will be better able to contro

prescribed amounts." He feels good about the produc ers, including CT Pharmaceutical Solutions in Portland and Curaleat in Simsbury, and their ability to

meet market demands. *Each cares about getting medi cine to the patients in a controlled way," he said. "As a producer, I'm not trying to grow a better strain than David Lipton. We're in competition with people who don't believe this is going to work."

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