DESIGNS DESIGNS

RENDERING SUCCESS



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About Demeter Designs

Demeter Designs provides superior fertigation and irrigation plan sets and renderings proven to maximize efficiency when building out the heart of your facility.

Our team consists of growers with decades of experience in cannabis cultivation. While the continuous progression of automation systems may seem complex, our detailed plans provide the building blocks required for anyone to install a state of the art fertigation system.

Why Choose Demeter Designs for Your Facility Build?

Experience

Demeter Designs is made up of a team of growers whose background is building and operating advanced cultivation facilities.

Vision

Our designs handle all of the complex needs of the fertigation and irrigation processes while remaining very simple in design and operation.

Network

With Demeter Designs anyone has the ability to build complex fertigation and irrigation systems anywhere in the world.

"The parts list that Demeter provided streamlined ordering parts for the buildout. Exploded diagrams of intricate manifolds and pipe sections helped tremendously with assembly."

- @waxfaced, Jungle Boys FL



Jungle Boys facility fertigation room design rendering

"One of our favorite parts of this project was getting to work with Demeter Designs. I still remember getting those drawings and feeling like it was Christmas morning. From Demeter Designs, we not only got the CAD drawings, but we got a full cut sheet of every part and length of EVERY piece of PVC. Four of us with NO plumbing background were able to execute this entire facility irrigation build."

- Chris Dyla, Tip Top Crop MI



Tip Top Crop fertigation room design rendering

Our Services

Demeter Designs will create an automated irrigation system tailored specifically for your facility no matter the size or complexity.

Please review this list of services that are included in one package price and familiarize yourself with the design process:

3D Facility Modeling
Precision Irrigation Design
Personalized Plan Sets

1 NEEDS ANALYSIS

Complete our Needs Analysis form to provide our design team with the specific details of your facility.

2 PLANNING

Schedule a phone call or Zoom meeting to review your Needs Analysis Form and discuss every detail. We recommend having your architectural floor plan and benching layout ready to share during this meeting so we can get a clear view of the scope of your project.

3 PRICING

Pricing is based on the square footage of the work space needed for your fertigation and irrigation system along with any additional features you may want included for your buildout. An estimate will be provided to you following your meeting.

4 PAYMENT

Upon receipt of your deposit payment our team of designers will begin modeling your facility and customizing your fertigation and irrigation system in the following sequence:

Your facility is drawn to scale using our 3D software.

Your fertigation room is designed based upon your individual needs per the planning discussion.

Cultivation room distribution lines and zoning are modeled.

Upon review of your 3D model we generate the complete parts list to begin the material allocation.

Your 3D model is then sent off to our construction docs team where everything is broken down into your easy to follow plan set. Construction documents include floor plans, elevations, exploded assembly sheets, 3D views of all assemblies and isometric views.

Lastly, the finalized 3D model is sent to our in-house rendering server to create lifelike photorealistic imagery of your entire facility.

5 PLAN SET SUBMITTAL

Upon receipt of your final payment we will release your completed plan set along with a custom parts list which makes ordering materials a breeze with our trusted vendors or yours. Our organized plan sets with step by step instructions make it easy for any skilled tradesman to follow along eliminating costly mistakes and delays.

6 PLEASE NOTE

We are a design studio and though we can provide you with step-by-step instructions for installing your new system, we are not installers. You are responsible for purchasing all materials and hiring the necessary contractors/tradesmen. However, we do have a list of preferred installers that can help bring your project to life.

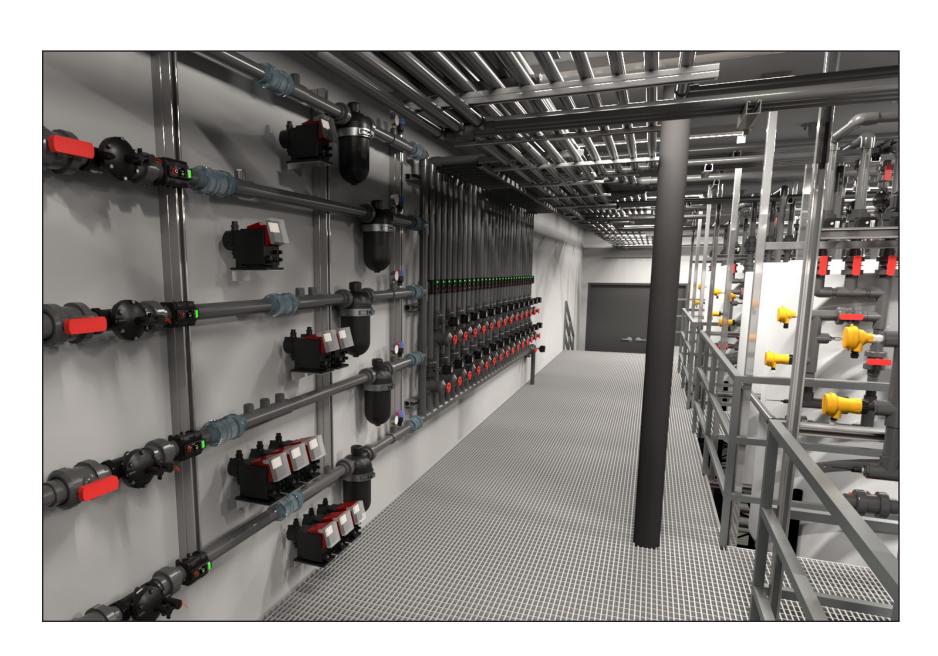
DEMETER

Page 6 — 03 Our Services

At Demeter Designs we take your two dimensional floor plan and expand it into a true to life, three-dimensional model.

This gives us the ability to conceptualize a full design and layout before a single wall is even built. This level of detail helps us overcome installation obstacles and unforeseen issues with your buildout.

The systems we design are guaranteed to fit in your given space and are modeled within a 1/16th of an inch accuracy.



Page 7 — O3 Our Services

Scaling your commercial grow can be a lengthy and convoluted process...

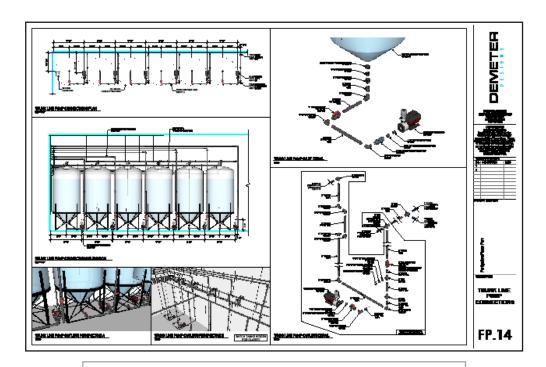
We take the complexity of fertigation and irrigation design and break it down into simplified building blocks for easy ordering and implementation that any installer can follow.

With a complete parts list and 3D facility modeling, our easy to follow plan sets will guide anyone through the installation process to ensure a successful buildout anywhere in the world.



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Each personalized plan set includes:

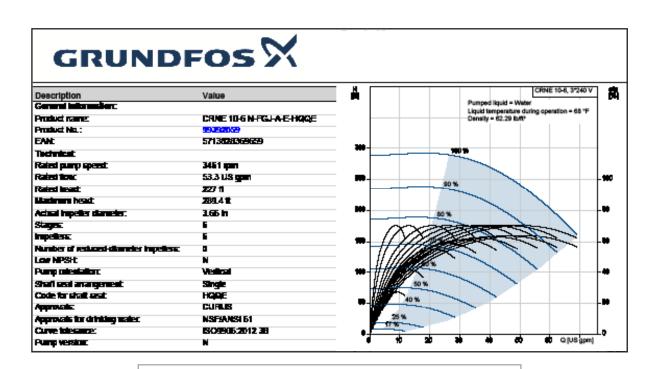


CONSTRUCTION DOCUMENTS



10	820-010	SPEARS 1" CROSS
13	861-010	SPEARS 1" SPG MALE ADAPTER
4	802-0105R	SPEARS 1"SR TEE SOC X FPT
18	801-010	SPEARS 1"TEE
30	3629-010	SPEARS 1"TRUE UNION BALL VALVE
4	51720C10	SPEARS 1" TRUE UNION SWING CHECK VALVE SOC
9	838-1285R	SPEARS 1"X 1/4" SR REDUCING BUSHING SPG X FPT
5	829-131FE	SPEARS 1"X 3/4" ECCENTRIC REDUCING COUPLING
17	837-131	SPEARS 1"X 3/4" REDUCING BUSHING SPG X SOC
4	861-131 802-1315R	SPEARS 1"X 3/4" SPG REDUCING MALE ADAPTER SPEARS 1"X 3/4" SR REDUCING TEE SOC X FPT
1	802-1315R 839-250	SPEARS 1"X 3/4" SR REDUCING TEE SOC X FPT SPEARS 2"X 1 1/4" REDUCING BUSHING MPT X FPT
4	839-249	SPEARS 2"X 1" REDUCING BUSHING MPT X FPT
19	817-007	SPEARS 3/4" 45° ELBOW
97	806-007	SPEARS 3/4" 90° ELBOW
26	807-007	SPEARS 3/4" 90° ELBOW SOC X FPT
4	807-007	SPEARS 5/4" 90" ELBOW SOC X FPT
20	809-007	SPEARS 3/4" 90° SPG ELBOW
21	883-005M	SPEARS 3/4" CLOSE NIPPLE
4	835-007	SPEARS 3/4" FEMALE ADAPTER
4	2022-007	SPEARS 3/4" GATE VALVE SOC
13 13	1435-007 1436-007	SPEARS 3/4" MALE ADAPTER FPT X INSERT SPEARS 3/4" MALE ADAPTER MPT X INSERT
6	807-0075R	SPEARS 3/4" SR 90" ELBOW SOC X FPT
4	878-0075R	SPEARS 3/4" SR SPG FEMALE ADAPTER
4	802-0075R	SPEARS 3/4" SRITEE SOCIX FPT
30	801-007	SPEARS 3/4" TEE
15	802-007	SPEARS 3/4" IEE SOC X PP I
29	3629-007	SPEARS 3/4" TRUE UNION BALL VALVE
8	S1720C07	SPEARS 3/4" TRUE UNION SWING CHECK VALVE SOC
22	898-007	SPEARS 3/4" UNION FPT
4	897-007	SPEARS 3/4" UNION SOC
20 13	899-007 802-0985R	SPEARS 3/4" UNION SOC X FPT SPEARS 3/4" X 1/4" SR REDUCING TEE SOC X FPT
15	802-0983K	SPEARS 3/4 X 1/4 SR REDUCING IEE SUC X FFT
PIPELENGTH	PIPE SIZE	
760°	3/4*PVC	
120	1" PVC	
20'	1 1/4" PVC	
	3/4" CONTITECH FRONTIER	
160'	200 HOSE	
760°	17MM NETAFIM TUBING	
60.	7/8" UNISTRUT	
120'	1 5/8" UNISTRUT	

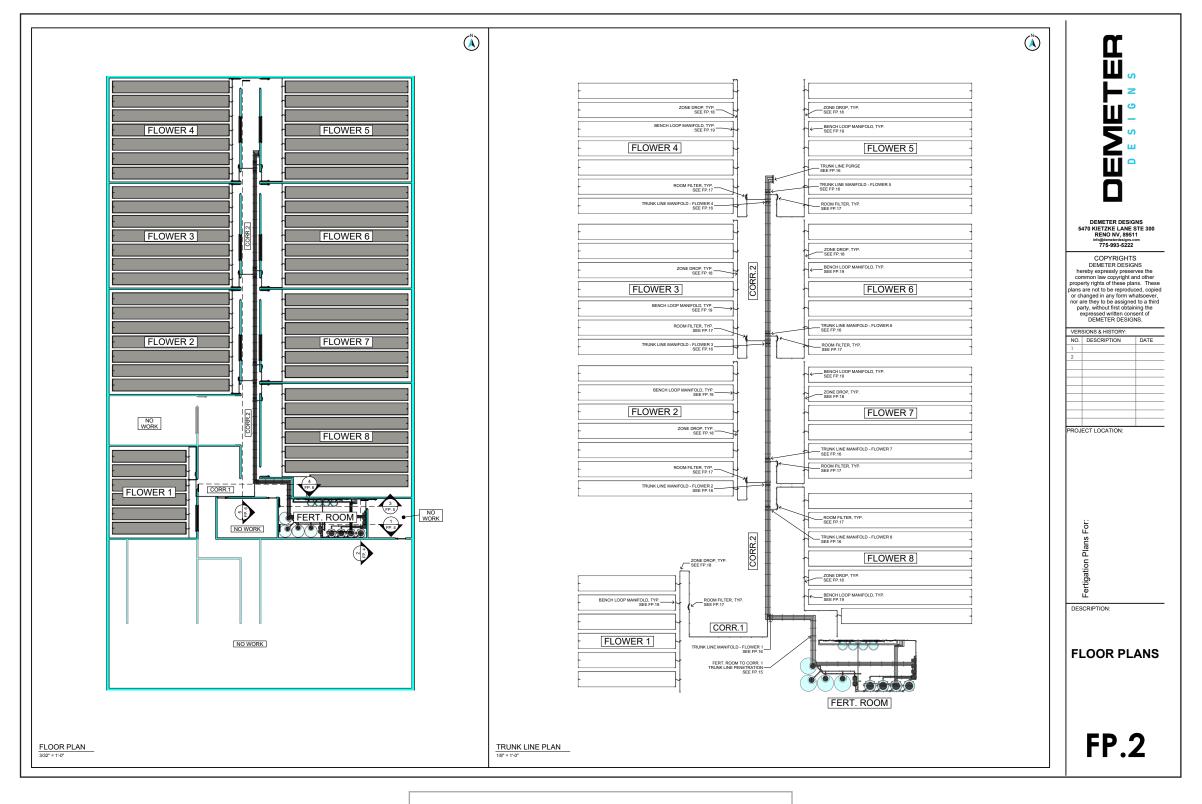
COMPLETE PARTS LIST



EQUIPMENT SPEC SHEETS

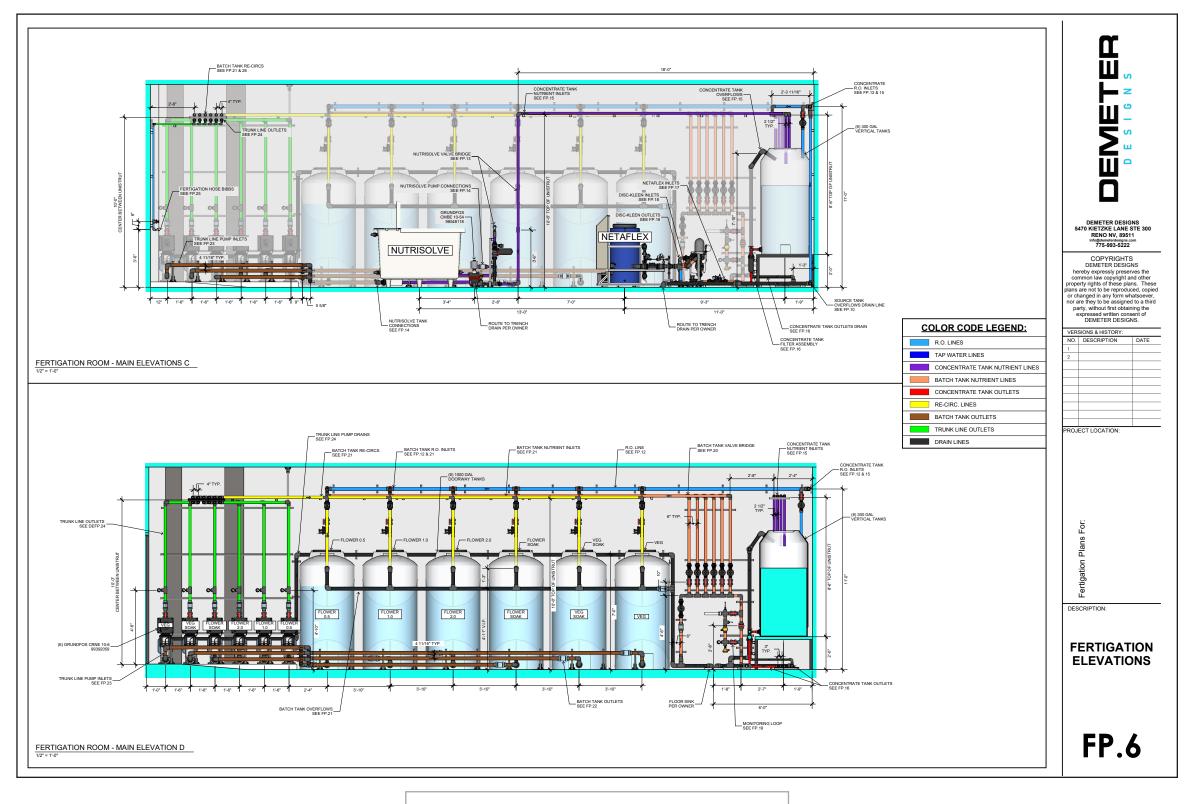


PHOTOREALISTIC 3D RENDERINGS



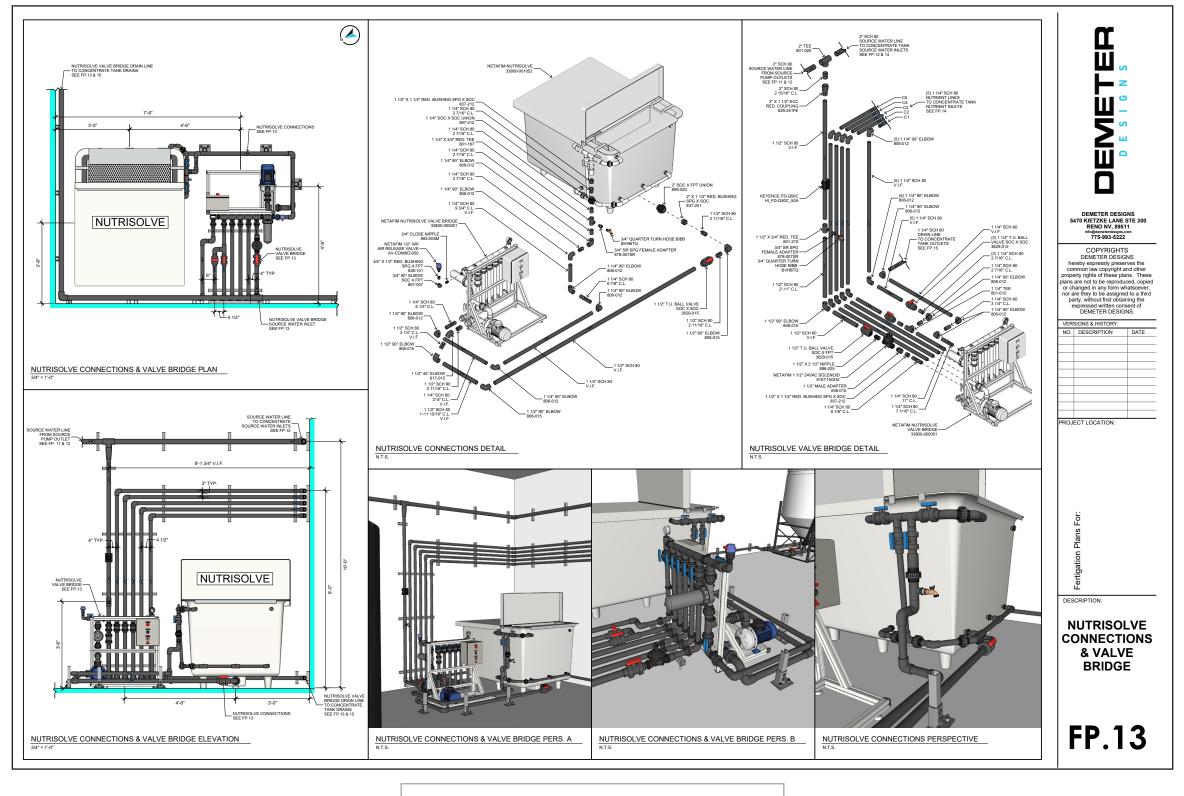
FLOORPLANS

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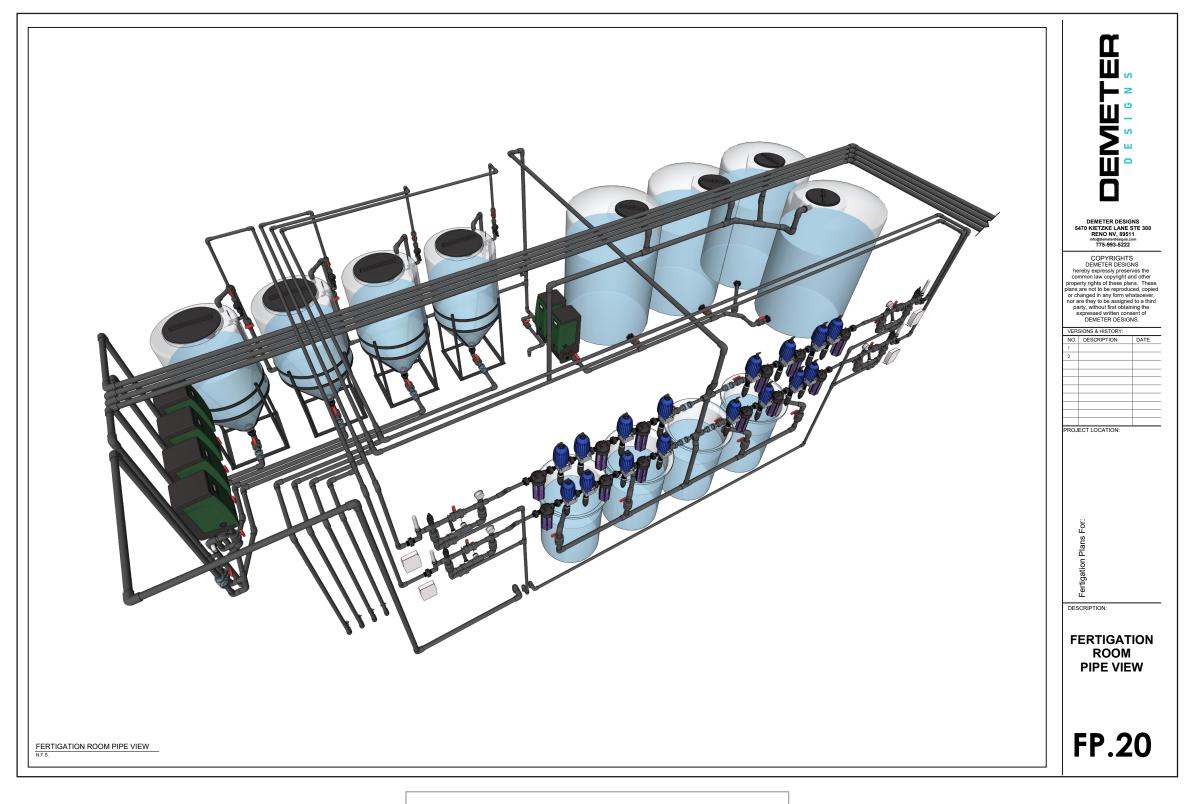
ELEVATIONS

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ASSEMBLY SHEETS

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ISOMETRIC VIEWS

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Project Highlights

Tokanagan Farms

Jungle Boys

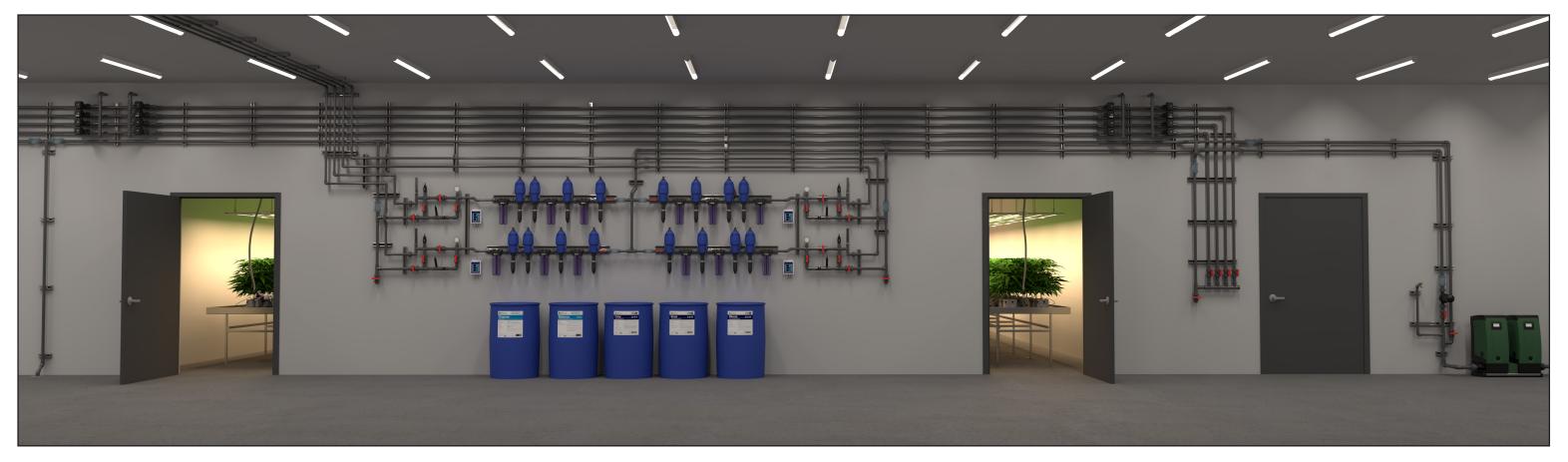
Clover Creek Cultivation

River Remedies

Grow Sciences

Golden Bloom Farms

HD Biotech



Tokanagan Farms. Penticton, British Columbia

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Jungle Boys. Ocala, Florida

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Jungle Boys. Ocala, Florida





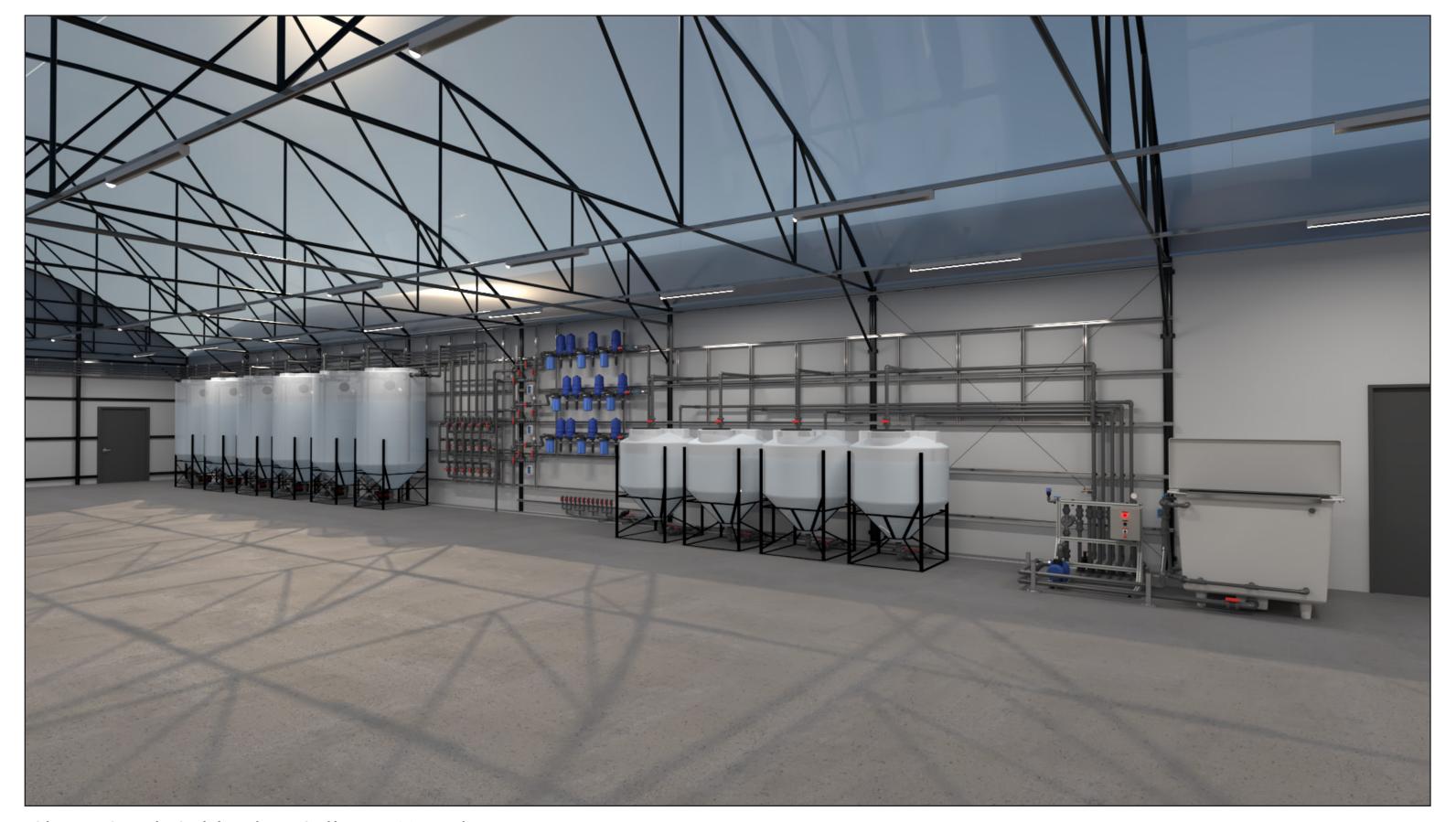


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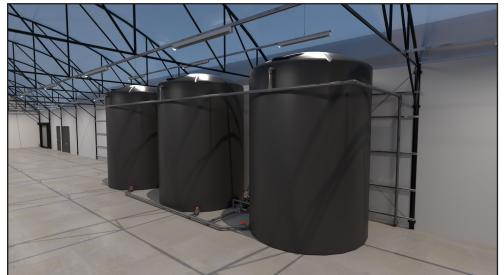
Jungle Boys. Ocala, Florida

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Clover Creek Cultivation. Caliente, Nevada











Clover Creek Cultivation. Caliente, Nevada



River Remedies. Byram, Mississippi

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River Remedies. Byram, Mississippi

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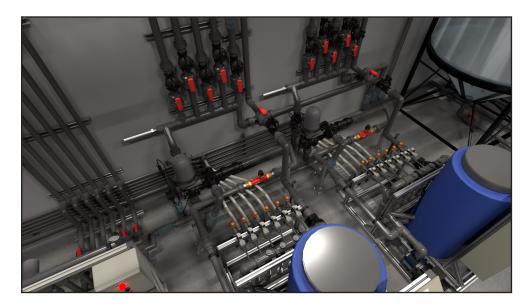
River Remedies. Byram, Mississippi



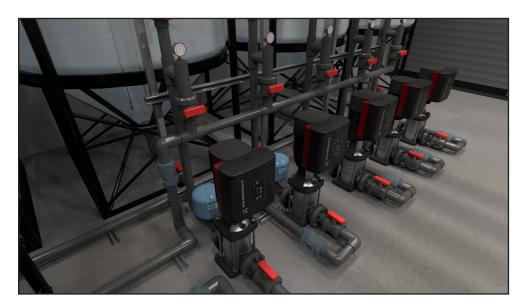


Grow Sciences. Phoenix, Arizona

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Grow Sciences. Phoenix, Arizona

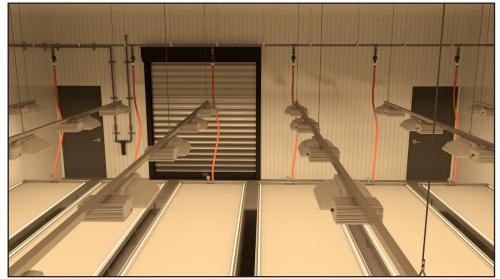
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Golden Bloom Farms. Choctaw, Oklahoma

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Golden Bloom Farms. Choctaw, Oklahoma

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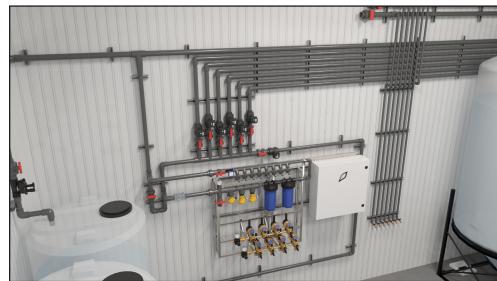
HD Biotech. Adelanto, California

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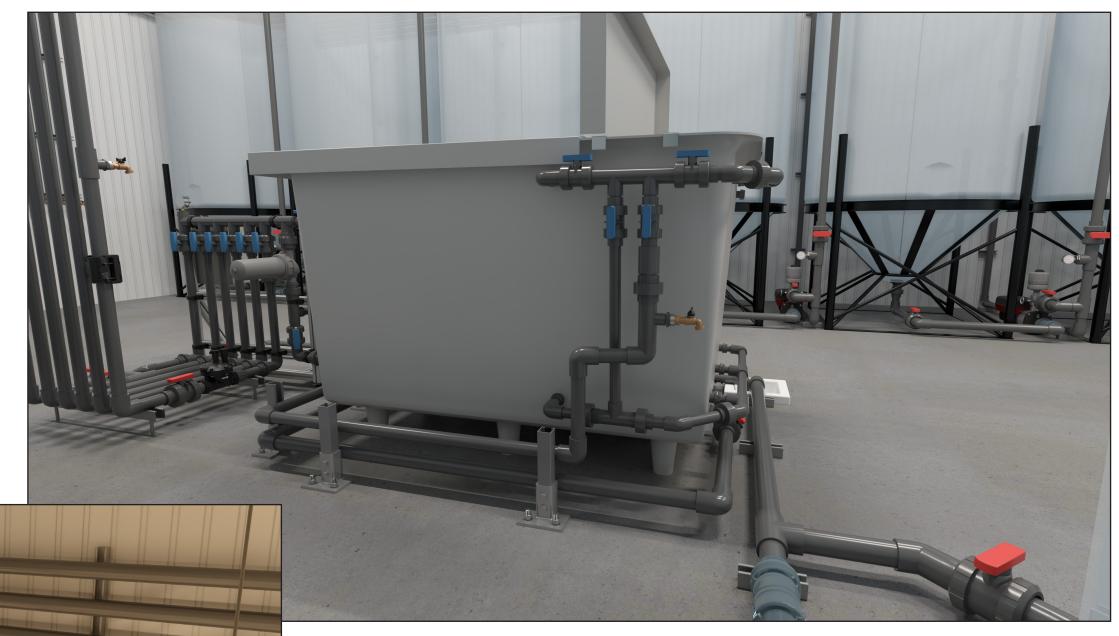
HD Biotech. Adelanto, California







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HD Biotech. Adelanto, California

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