

EDUCATION AND LICENSING

Bachelor of Science – Mechanical Engineering Technology 1989
Metropolitan State University Denver, Colorado

Registered Professional Engineer: Colorado, California and Arizona

PROFESSIONAL EXPERIENCE

Executive Vice President of Engineering 2019- August 2022
Urban-Gro, Inc.
Lafayette, Colorado

President and Owner 1997 - 2019
Impact Engineering, Inc.
Denver, Colorado

Principal 1994-1997
Riegel- Doyle Associates, Inc.
Denver, Colorado

M/E Quality Control Manager 1991-1994
PCL Construction.
Denver, Colorado

Mechanical Project Manager 1987-1991
Riegel Associates, Inc.
Denver, Colorado

Mechanical Project Engineer 1982-1987
Flack & Kurtz Consulting Engineers
Denver, Colorado

ENGINEERING AND DESIGN DOCUMENTATION

Developed and produced HVAC, plumbing and fire protection systems construction contract/ permit documents and specifications for various commercial building, indoor cultivation, controlled environmental agriculture (CEA) and institutional projects.

Prepared engineering feasibility studies of various HVAC systems, including life cycle costing and budget estimating. Prepared energy analyses of various commercial buildings and multi-use complexes, nationwide.

CONSTRUCTION

Reviewed shop fabrication drawings and manufacturers' literature and samples for compliance with the

design and contract documents.

Coordinated mechanical/electrical subcontractor installations. Evaluated status of installation progress with respect to CPM schedules. Identified areas of installations that were behind schedule and orchestrated remobilization of manpower and materials to re-establish on-time completion of work.

Performed construction phase management and administration on behalf of other engineers on major renovation projects. Responded to information requests, design change directives and reviewed pricing in an effort to maintain aggressive contract completion dates.

Evaluated change order claims and assisted in the arbitration of disputes.

Provided observation and monitoring of system installation, including final acceptance tests, commissioning and preparation of deficiency punchlists.

BUILDING OPERATIONS

Performed engineering survey reports of existing buildings for modernization, alterations and additions on behalf of owners and lenders.

Prepared smoke control and fire alarm system observations and testing for numerous high-rise commercial projects on behalf of owners.

Prepared operating and maintenance plans and developed preventative maintenance programs on behalf of owners.

Prepared and executed HVAC, plumbing and electrical systems commissioning plans for commercial building and institutional facilities.

QUALITY CONTROL

Performed peer and second opinion reviews of designs and construction documentation prepared by others on behalf of architects, other engineers, owners, developers, lenders, and prospective tenants.

Monitored installation of mechanical/electrical systems during all phases of construction, to verify compliance with contract documents, national standards and local building codes.

Reviewed pay applications of mechanical/electrical subcontractors with respect to as-built drawings, delivery and storage, and installations.

Performed inspections of rebar placement for cast-in-place concrete installations to verify compliance with approved contract structural shop drawings.

Managed monthly progress reports of quality control inspections and deficiencies for architectural, structural, mechanical and electrical installations during all phases of construction.

Brian L. Zimmerman PE was appointed Executive Vice President of Engineering for urban-gro, Inc. in December of 2019. Mr. Zimmerman was also President and founder of Impact Engineering, Inc. which is a wholly owned subsidiary of urban-gro. Urban-gro purchased Impact Engineering, Inc. in March of 2019. Mr. Zimmerman has over 35 years of experience as engineer in the commercial HVAC, plumbing and electrical engineering market. Mr. Zimmerman started Impact Engineering in June of 1997 and has been the President of the company from the beginning.

During that time Mr. Zimmerman and Impact Engineering have designed thousands of projects and performed other engineering specialty services such as Commissioning, Due Diligence, Construction Administration, Construction Quality Control and Owner’s Rep. Mr. Zimmerman received a Bachelor of Science Degree in Mechanical Engineering Technology from Metropolitan State University in 1989 and passed the Colorado Professional Engineering Exam in 1992. Mr. Zimmerman is a registered Professional Engineer in the State of Colorado, Arizona and California.

In 2009 Mr. Zimmerman engineered and designed the first permitted cannabis cultivation in the State of Colorado. Since 2009, Mr. Zimmerman has consulted on, engineered and designed over **350** cannabis cultivation facilities across the US and Canada. Additionally, Mr. Zimmerman has also engineered and designed numerous cannabis related facilities including: hydrocarbon, CO2 and solventless extraction and processing facilities, MIPs kitchens, and dispensaries.

The following is a representative sample of cannabis cultivation, processing and dispensary projects for which current Mr. Zimmerman has performed services for the past **six** years

Hampden Care Dispensary	Massachusetts
Phoenix Life Science	Colorado
CSU Greenhouse Hemp Research	Colorado
860 Navajo	Colorado
866 Navajo Addition	Colorado
Buckeye Relief	Ohio
King City Cultivation	California
Emerald Jane Tacoma Cultivation	Washington
Santa Rosa Cultivation Facility	California
Portland Cultivation Facility	Oregon
Mass Medicum Cultivation Facility	Massachusetts
ABC Grow Cultivation Facility	Puerto Rico
New Jersey Cultivation Facility	New Jersey
Maryland Grow Phase 2 and 3	Maryland
Tri Mountain Pure	Pennsylvania

Trinidad Cultivation Facility	Colorado
775 S Jason St - Mile High Distribution	Colorado
Verts Neighborhood Dispensary	Colorado
Growth Orchard Ohio Cultivation	Ohio
Boulder Extraction Facility	Colorado
Green Leaf Cultivation Facility	Maryland.
Cheyenne Dry Room	Nevada
Asia Pacific	California
NV Green	Nevada
Punch	California
Surterra	Texas
Advanz	California
The Clear	Arizona
Flor Cultivation Salinas	California
Earth Fire, LLC	Michigan

Cam Corp 20 Blue Sky Court	California
Delta Medical	Arkansas
866 Navajo Cultivation Renovation	Colorado
Brampton Project Ontario	Canada
5040 York Cultivation Lab	Denver
LivWell Pueblo	Pueblo
546 S. Huron Road	Michigan
Surterra	California
Tri Mountain Pure	Pennsylvania
One Leaf Cultivation Facility	Saskatchewan
Cheyenne	Nevada
Ashli's Farm Design Narrative	Massachusetts
7 Leaf	Ottawa
Green Leaf Cultivation Facility	Hearst Ontario
Scientific Solutions	California
Cultivation Facility	New Jersey
Hyat Labs Cultivation Facility	Michigan
NWGC Extraction Room	California
Koenig Real Estate Extraction	Arkansas
Grassroots Cultivation	North Dakota
Desert Grow	California
(2905 Union) Oakland Cultivation	California
Whole Plants	Pennsylvania
Culta Cultivation Facility	Maryland.
Long Beach Cultivation Facility	California
Clover	Missouri
Elite Cultivation	Oklahoma
Warm Springs Cultivation Facility	Nevada
Ruby Farms	Oregon
Anomaly Extracts	California
American Made	California
Lazy River	Massachusetts
Pharmacutials	Pennsylvania

Boro Family Farm	Oklahoma
BBMC	Nevada
EdenFlo	California
Dancing Dog	California
Ssconnect	Arizona
Green Aloha	Hawaii
Greenhouse Facility	Colorado
Kanna Kingdom	California
Altum Minda	California
Optimal Genetics	California
L & M	California
Sira Naturals	Massachusetts
ATEK	Arizona
Happy hour (A) Windtunnel	California
Happy hour (B) CO2 Lab	California
KJL Compounds	Colorado
Bio Pharma	California
BBMC	Nevada
KJL compounds	Colorado
Rt 66	Oklahoma
Hurricane	Washington
Canna Craft	California
Rocky Mountain Organic Medicine	Colorado
Altum Group	Oklahoma
Mar LLC	California
2210 Gaylord st	California
20922-65PD	Colorado
Flora California Prime	California
Flora CA Prime	California
Higher Purpose	Colorado
Canna Pharmacy Sciences	New Jersey
Sunshine Initiative	Michigan
Oklahoma Natural Grass	Oklahoma
Green Leaf Holdings	California

Miyagi	California
Flower Bed Cultivation Facility	Oklahoma
Light Shade Cultivation Facility	Colorado
T bear	Massachusetts
Vantage Hemp	Colorado
NEO Organics	Massachusetts
Noohra	Ohio
A & B Cresco	Michigan
Glorietta	California
Zohnson	California
Stem	Oklahoma
Cypress Croup Cultivation	California
IESO holdings	Illinois
GTI	New Jersey
RM3 Laboratory	Colorado
Eaton Michigan Green House	Michigan
Healing leaf Farms	Michigan
Premium Agriculture	Oklahoma
Cypress/ Spring Hill	California
United Tobacco	North Carolina
Americann	Massachusetts
Well Bred	California
Copperstate Farms	Arizona
CO2 Piping	Oklahoma
San Swr Evap Tank Design	Oklahoma
California Organics - Peer Review	California
Leafire, Blythe Cultivation	California
Cultivation Facility Alberta	Canada
Taney Town CO2	Maryland
Trulieve	Florida
Sunday Morning Farms	Maine
Lake Life Farm Cultivation Peer Review	Oklahoma
Oklahoma Hemp Extraction Facility	Oklahoma

Desert Sun Ventures	California
Ohio CO2 Piping	Ohio
Standard Welllness Peer Review	Utah
Standard Welllness Peer Review	Missouri
Inkster Peer Review	Michigan
Clovrr Phase 2	Missouri
Berkshire Kind Cultivation Facility	Massachusetts
Ascend Extration Facility	Aurora, Colorado
Buddy Boyz Gas Revisions	Colorado
Parachute Park Cultivation-Greenhouse	Parachute, Colorado
Pure Cloud Cultivation Facility	Michigan
Curaleaf Litchfield Plumbing Only	Illinois
Circadian Cultivation Facility	Illinois
Genetix	Warren, Michigan
Boricanna Los Frailes Cultivation Facility	Puerto Rico
CBD Swiss Pharma Phase 1	Switzerland
King of Prussia Cultivation	Pennsylvania
Altum Minds Add Services	California
Altum Minds Add Services Plumbing	California
NW Botanica	Oregon
Seven Points/ Feelz Good	Missouri
Green Dragon Aspen	Colorado
High 5 Farms Peer Review	Oklahoma
NEO Organics	Massachusetts
2408 S. Broadway	California
Ancona Cultivation Peer Review	Michigan
Binske Cultivation Renovation	Oak Creek, Colorado
Washington Sage Farms	California
Sunshine Initiative Revisions	Michigan

McKinley Cultivation Facility	California
Marichron Cultivation Facility	Ohio
Sweet Water 4012 Garry Ave.	California
Curaleaf Processing Facility	Michigan
Full Spectrum	California
Sunshine Initiative	Michigan
Interius Farms	Montreal
Bowery Farming CEA Peer Review	TBD
OMG Cultivation Facility	Massachusetts
Green Medicine	New Jersey
Harvest Peer Review	California