David Gulick, P.E.

610-570-7152
GulickEngineering@gmail.com
532 Mohawk Ave, Apt A, Norwood, PA 19074
www.linkedin.com/in/gulickengineering

PROBLEM SOLVING | COMMUNICATION | LEADING PROJECTS

In my 36 years of professional engineer experience, I have repeatedly driven capital construction projects from their inception through to completion ranging from $15 million to $130 million. These projects included new construction as well as renovation work. My knowledge and experience in the means and methods of construction and leading cross functional teams, brings me to the forefront where I will deliver your next quality project on schedule and within budget.

- Devised and initiated an alternate HVAC concept to recover 4 months out of a 16-month construction schedule for The Science & Engineering Center and The Commons (SECC) project which also increased the usable area inside the building by 1,800 sf.
- Creatively used State funding to reduce cost in construction by reallocating capital from furniture toward modular walls in renovation work. Estimated savings $1 million.

Reliable | Energetic | Dependability | Conscientious | Independent | Goal-Oriented | Organized
Professional Mechanical Engineer | Project Management | Facilities Design and Construction
Analytical Thinking | Budget Management | Team Worker | Customer Service | Real Estate Manager

EMPLOYMENT EXPERIENCE:

GULICK RESTORATION LLC, Norwood, PA; Principal Owner — 11/19-Present

Initiated my own business in residential restoration to change the character of neighborhoods by improving on the outdated condition and inefficiency of properties. Resulting in six residential improvements to date. Currently working remotely.

GULICK ENGINEERING LLC, Norwood, PA; Mechanical Engineer — 8/15-9/21

Cultivated and drove contracts through to completion in Real Estate structural analysis and Forensic Engineering. The most recent project involved historical preservation at Lincoln University.

WEST CHESTER UNIVERSITY, West Chester, PA; Project Manager — 3/95-7/20

Expert in management of State and Governmental capital projects in Facilities Design and Construction. Initiating with the design/sketch phase continuing through construction and finishing with the commissioning phase. Largest capital project competed was $130 million for a 176,000 sf facility.

- Saved the underfunded Schmucker Science Center Renovation by value-engineering and collaborating with the end users to find a product that everyone could work with. Cost reduction valued over $1 million.
- Spearheaded effective communication between end users, contractors, engineers/architects, and stakeholders to maintain construction project schedules with minimal cost changes. Negotiated contractor and professional claims to reduce or negate the impact on delivery time and expense.

WORTHINGTON STEEL MALVERN, Malvern, PA; Project Engineer 2/89-7/94

Utilized C.A.D. to design and trouble shoot installations of capital and plant equipment projects thereby reducing the installation time with a lower cost.

- Pursued solving production problems collaborating with the workforce. From this developed CAD production drawings, procured material, and managed the manufacturing and final installation of the new equipment.
- Capital projects incorporating and engineered with CAD were:
  - spearheaded engineering and construction for installation of twelve EBNER hydrogen annealing furnaces, structural and utilities which increased production rate.
  - designed and installation of a 3 Khz high frequency induction heater to increase electric usage resulting in a lower utility rate for the whole company.
  - designed and implementation of caustic soda sparger system for zinc plating line which reduced buildup on edges and made for a safer, more productive working environment.

DOMUS ENTERPRISES, Germantown, PA; Mechanical Estimator 8/87-1/89

Estimated bid prices for plumbing, piping, and HVAC projects. Awarded projects were tracked concerning cost expenditures and hours spent in order to maintain or exceed original profit margin.

PHILADELPHIA GEAR CORP., King Of Prussia, PA; Application Engineer 8/85-6/87

Promoted to design gearboxes suited for our customer's particular applications while also performing the function of a Project Engineer resulting in a seamless deliverable.

LINCENSES:

Registered Professional Engineer in Pennsylvania

EDUCATION:

Bachelor of Science in Mechanical Engineering
Pennsylvania State University, University Park, PA

Bachelor of Arts in Natural Science in Physics
Lock Haven University, Lock Haven, PA

OTHER SKILLS / ACHIEVEMENTS:

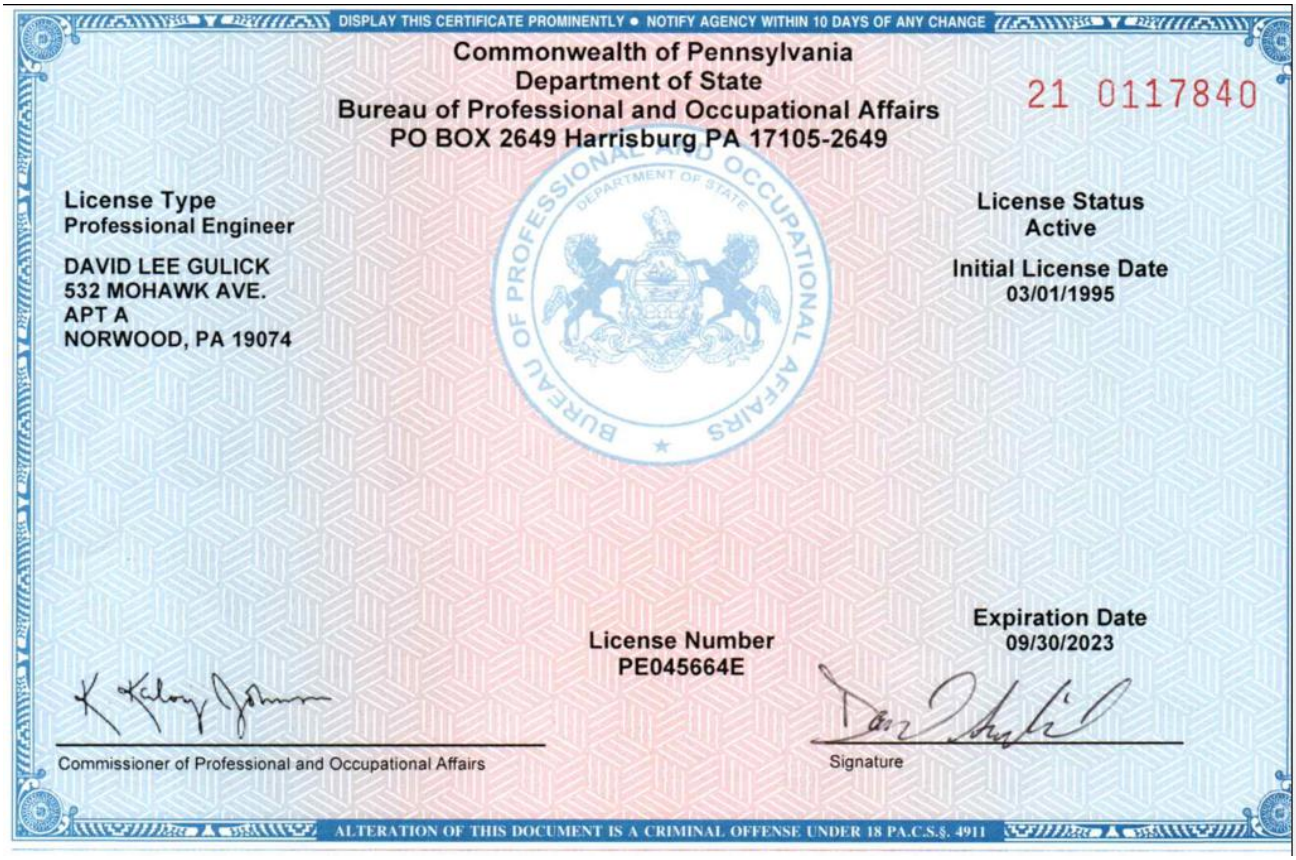
- Proficient with the following computer software: Microsoft Office Suite including Excel, Word, MS Project, Power Point, SAP (ERP), PDF Studio, SharePoint, eBuilder, Anvil CAD, Vitruvius, AutoCAD Reader, Dropbox
- Skilled in reading and digesting construction drawings
- Certified Asbestos Abatement Project Designer
- Mechanical Professional Engineering Continuing Education Units –93 Credit Hours
- Currently studying German language level A1.2
- French language level A1

EXTRACIRICULA ACTIVITIES:

- Custom wood working
- Repair of residential HVAC, electrical and plumbing systems
- Licensed mechanic for bicycles

REFERENCES:

- Dolores Giardina, retired Director of Special Projects, Facilities Design and Construction, West Chester University. 610-496-4091
- Randy White, Vice President of The Bedwell Company. 610- 399-1610 x204
- Daniel Polzer, Eastern Regional Construction Inspection Manager, Department of General Services. 484-650-7474
- Kathleen DiJoseph, Assistant Executive Director of Facilities, Facilities Design & Construction, West Chester University. 610-436-2714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Commonwealth of Pennsylvania
Department of State
Bureau of Professional and Occupational Affairs
PO BOX 2649 Harrisburg PA 17105-2649

21 0117840

License Type
Professional Engineer

DAVID LEE GULICK
532 MOHAWK AVE.
APT A
NORWOOD, PA 19074

License Status
Active

Initial License Date
03/01/1995

License Number
PE045664E

Expiration Date
09/30/2023

Commissioner of Professional and Occupational Affairs

Signature

ALTERATION OF THIS DOCUMENT IS A CRIMINAL OFFENSE UNDER 18 PA.C.S.§. 4911

Major Projects Managed While Employed at:

WEST CHESTER UNIVERSITY

West Chester, PA

Project Manager

March 1995 – July 2020

	Construction $	Project $	S.F.
• The Science & Engineering Center and The Commons	$100 mil	$130 mil	176k
• Business & Public Management Center (DGS 414-70)	$38 mil	$45 mil	96k
• Mitchell Hall Renovation (DGS 414-71)	$8 mil	$13 mil	38k
• EO Bull Renovation	$12 mil	$16 mil	62k
• 25 University (DGS 414-62)	$11 mil	$14 mil	54k
• School of Music and Performing Arts (DGS 414-64)	$36 mil	$41 mil	88k
• Schmucker Science Center North (DGS 414-63)	$10 mil	$14 mil	70k
• Schmucker Science Center South (DGS 414-61)	$12 mil	$15 mil	75k

- Merion Science (Boucher) punchlist (DGS 414-59)
- Steam System Upgrade (DGS 414-56)
- Peoples Building Renovation for Psychology
- 220 Rosedale Ave (Equine Toxicology Lab)
- Observatory Sprinkler Installation
- Main Hall HVAC
- Main Hall EPDM Roof
- Lawrence Hall Duct Cleaning
- Lawrence Hall Second Floor Renovation
- Sykes Repurposing Fitness Center
- Sturzebecker Trailer
- Resident Halls LAN/Cable/Elec Upgrades
- Peoples Feasibility Study
- Old Library Feasibility Study
- 20 Linden Street Renovation
- Other Responsibilities: Utility projects (LAN, Steam, Copper (phone), Hal Loop (Fire Alarm)), Review of RFPs, Temporary Quarter Projects

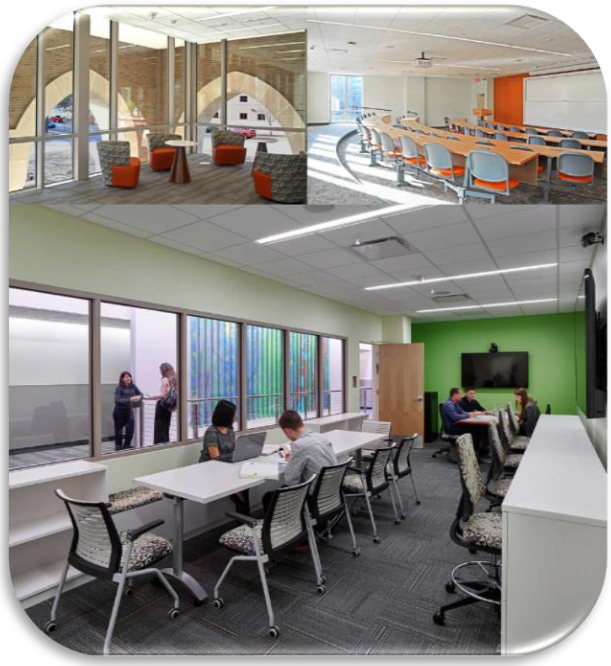
WCU
WEST CHESTER
UNIVERSITY

The Science & Engineering Center and The Commons (SECC) at WCU

- Dinning, Physics, Bio-Medical Engineering, Nursing
- Submitting for LEED Silver
- Largest Construction project ever by PASSHE
- Includes 457 space parking garage

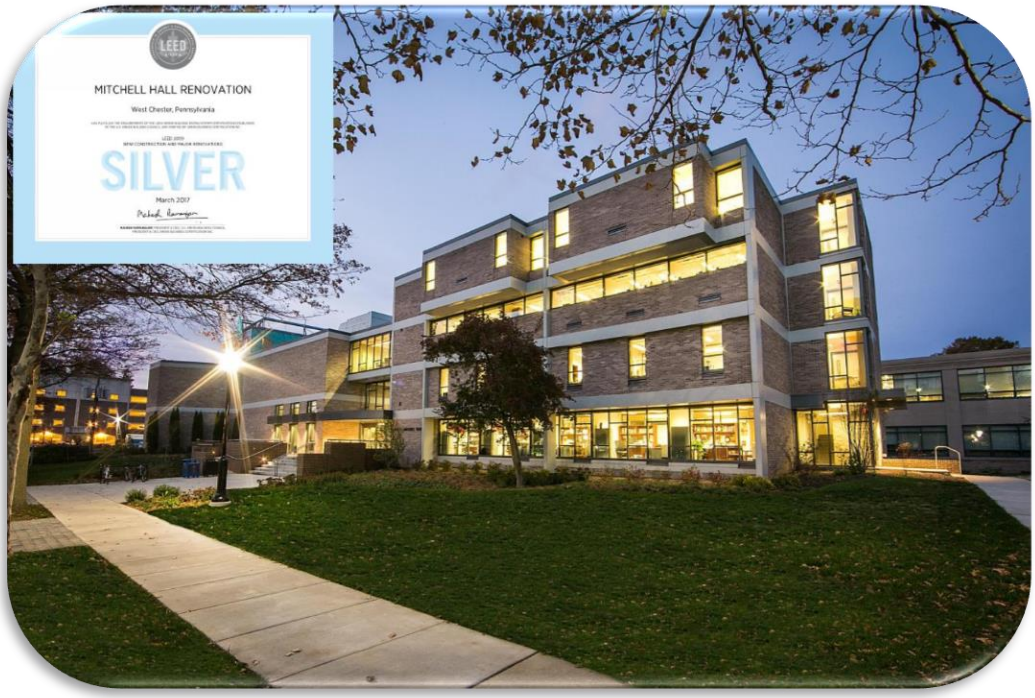
Business and Public Management Center

- School of Business
- First LEED Gold at WCU



Mitchell Hall Renovations at WCU

- Languages & Culture Center
- LEED Silver
- Connecting to central geothermal system



EO Bull Renovation & Addition at WCU

- Art and Theater & Dance departments
- Art Gallery and Main Stage Theater
- Geothermal wellfield standalone system under parking lot

25 University at WCU

- Computer, Mathematics, Financial Aide, Bursar and Registrar departments
- First geothermal wellfield at WCU

Swope Music Building and the Performing Arts Center at WCU
- First LEED PASSHE building (Silver)

Other Projects at WCU:

- SSC North & South
- 220 Rosedale Ave.
- Peoples Building

Major Projects Managed While Employed at:

WORTHINGTON STEEL MALVERN

(aka National Rolling Mills)

Malvern, PA

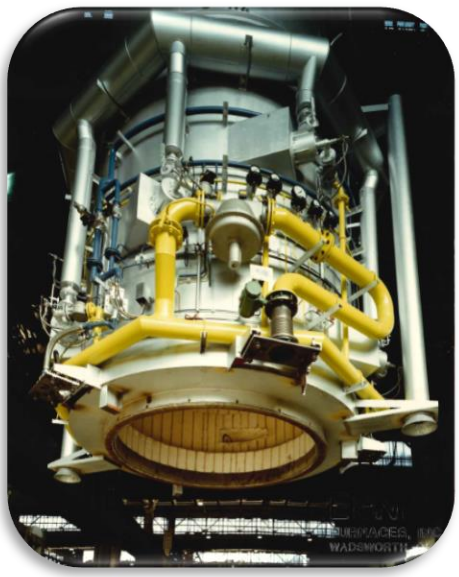
Project Engineer

February 1989 – July 1994

- Installation of twelve Ebner hydrogen annealing furnaces
- Installation of high frequency induction heater before pickling line
- Foundation design and installation for temper mill that burnt
- Designed and implemented caustic soda sparger system for zinc plating line
- Designed for test runs of non-cyanide plating at zinc plating line
- Cost analysis to justify purchase of new slitter line along with packaging

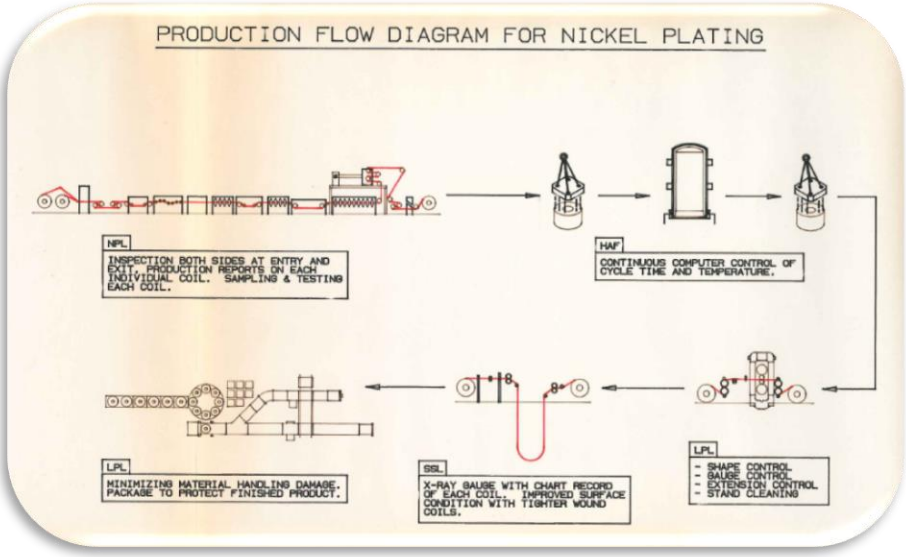
Ebner Hydrogen Furnaces at Worthington

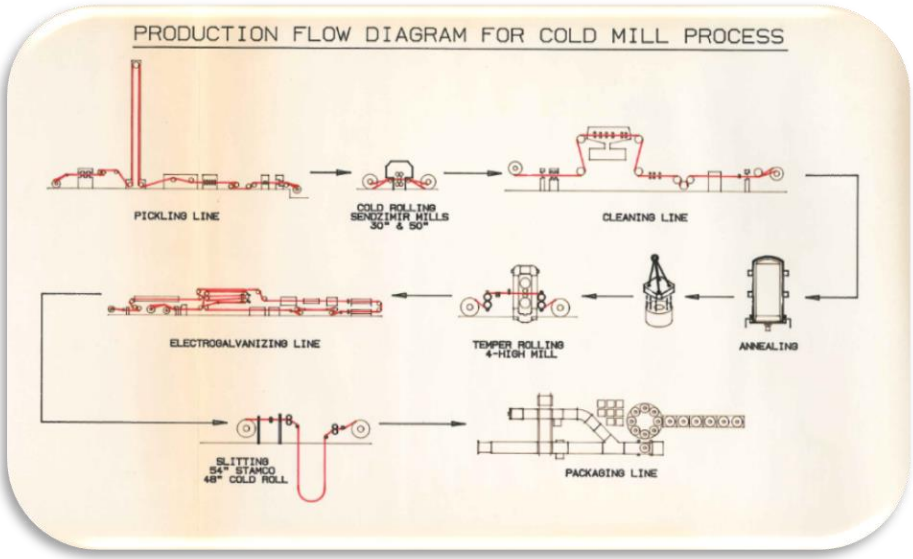
- Added 12 furnaces in two phases



Production Line at Worthington

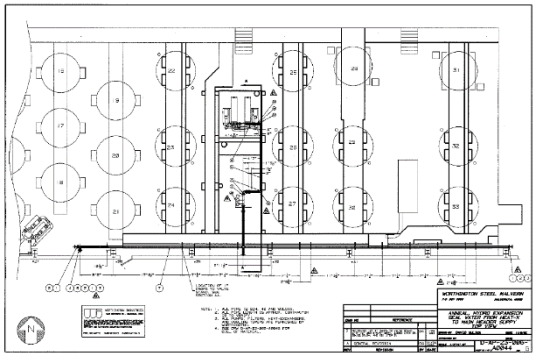
- designed and employed new ways to shorten and enhance production depending on process

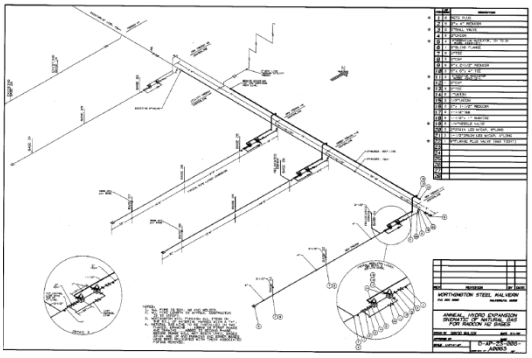


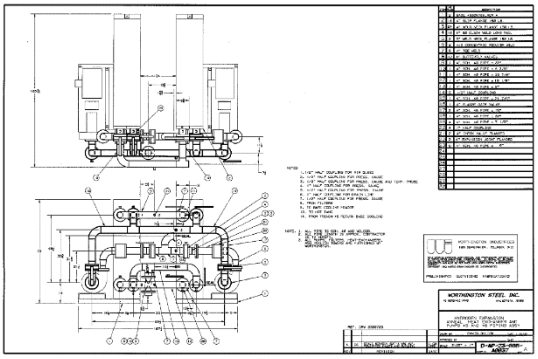


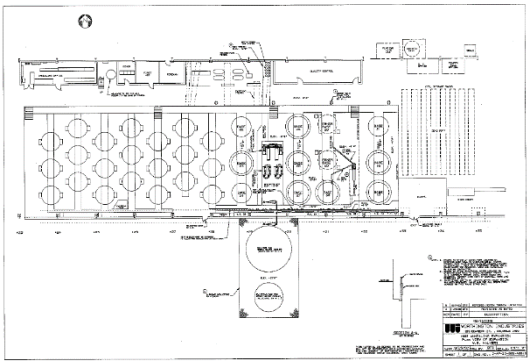
CAD Designer/Engineer at Worthington

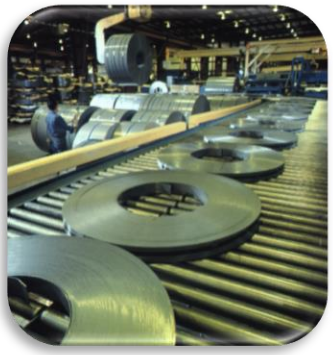
- drew all designs utilizing CAD
- ordered all material for fabrication
- supervised the shop during fabrication
- implemented ideas from machine operators











Job Description While Employed at:

PHILADELPHIA GEAR CORP.

King of Prussia, PA

Application Engineer

August 1985 – June 1987

- Design high speed gear boxes
- Followed gearbox orders through production