

DARNELL HEARD

Career Curriculum Vitae

SUMMARY

Mr. Heard has 26 years of practical work experience design experience. As Senior Electrical Designer, he is responsible for designing electrical systems for various projects. Duties include upgrading fire alarm systems, creating drawings for electrical systems using such programs as AutoCAD, Revit, Acuity Visual Lighting.

PROJECT EXPERIENCE

Kraft Climate Control Warehouse – Chicago, Illinois: Mr. Heard designed the electrical systems for the warehouse including the state of the art Mytec energy saving lighting system that reduce lighting down to as much as 50% while not in use.

Nissan Car Facility – Mexico City, Mexico: Mr. Heard assisted in the design of the relay and PLC control panels used to control the assembly line for the body fender parts serving as the designer, fabricator, wiring assembly and the quantity control testing for the equipment.

Indian River Hotel and Resort Expansion – Indian River, Illinois: Mr. Heard served as Senior Electrical Designer/Assistant Project Manager for the ballroom redesign and new hotel expansion project. Mr. Heard did the lighting and power distribution systems for the new build out areas as well as the procurement of materials and scheduling and coordination of designs with other trades involved. Mr. Heard also served as electrical estimator on the project.

Wrigley Global Innovation Center – Chicago, Illinois: Mr. Heard served as CAD Manager/Senior Electrical Designer oversaw the design of the lighting and power distribution system within the building making sure the Chicago and NEC codes were adhered to doing design.

Marshall Fields Sales floor Redesign and Lighting – Sullivan Center State Street store, Chicago, Illinois: Mr. Served as CAD Manager/Senior Electrical Designer /Assistant Project Manager ensuring proper designs followed NEC codes and Chicago codes. Mr. Heard also served as QC and electrical estimator for the project.

University of Chicago Hospital New MRI room build out – Chicago, Illinois: Mr. Heard served as Electrical Designer creating the lighting, communication, electrical system designs using non-magnetic materials and assisting Electrical Engineer with project management and procurement issues.

YEARS OF EXPERIENCE

26

EDUCATION

Bachelor of Science, Business
Technical Management with
Electrical & Electronics
Engineering
DeVry University—Current

Bachelor of Science, Electrical
and Computer Engineering
*University of Missouri—
Transferred*

Associate of Art, Computer
Engineering Design and Drafting
Vatterott College—2012

TRAINING

OSHA 10-hour
Cisco Certified Entry Network
Technician (CCENT)
CompTIA Network+ Certification
IES Lighting Design Certificate
TWIC Card
State of Illinois Real Estate Lic.
State of Illinois Ins. Lic.
Mortgage Originator Cert.

PROFESSIONAL ASSOCIATIONS

National Fire Protection Agency
(NFPA) Member
Illuminating Engineering Society
of North America (IESNA)
National Society of Black
Engineers (NSBE)
AutoCAD Users Group Inc. (AUGI)
Institute of Electronic and
Electrical Engineers (IEEE)

KCP&L Iatan Power Plant AQCS Unit 3 & 4 System Upgrades – Weston, Missouri: Mr. Heard served as Senior Electrical Designer for the overall project design directing teams of designers and detailers and coordinating with Engineers on the project to upgrade the Air Quality Control System for the power plant to achieve the new clean coal regulation standards. Mr. Heard was directly responsible, but not limited to, the Balance of Plant (BOP) design which consisted of 14 additional buildings and all LV electrical systems. Mr. Heard also coordinated, directed and assisted Electrical Engineers on designs involving MV electrical systems. Mr. Heard also created the design for the PA communication system using Gai-tronics communication equipment.

NRG Indian River New Unit 4 & 5 Build Out – Delmarva, Delaware: Mr. Heard served as Senior Electrical Designer for the overall project design. Directing and interfacing with team members on the project to insure a one cohesive design. Mr. Heard was also directly responsible for the BOP side of the project which consisted of, but not limited to, all systems under 600VAC including the design and layout of the power plant's 6000+ amp main electrical building and the new upgraded energy efficient lighting system which qualified the plant for a \$50,000 rebate from the state. Mr. Heard also assisted and coordinated with engineers on the 4160 and 13.6KVA MV Electrical systems to ensure proper power distribution to the LV electrical systems within the main electrical building.

Progress Energy Crystal River HRSG AQCS Upgrade – Crystal River, Florida: Mr. Heard served as Senior Electrical Designer for the overall project. Mr. Heard was responsible for designing the electrical systems for the BOP as well as the upgraded and additional Communication and telephone system interface. Mr. Heard also designed the lightning protection system for the new build out areas.

Minnkota Power Cooperative Milton R. Young Station AQCS Upgrade – Center, North Dakota: Mr. Heard served as the Senior Electrical Designer for the phase 1 and phase 2 Quality Control (QC) review. Mr. Heard was responsible QC review of the entire power station upgraded engineering and design. Mr. Heard lead group of engineers in the complete review of the power station electrical design. Reviewing all systems for NEC, State and local code errors, omissions and to ensure proper design criteria was adhered too before final submittal of documents to the client for construction.

JP Morgan Chase Regional Data Center Auditing & Building Management Upgrade – Wood Dale, IL: Mr. Heard served as Data Center Auditor/Power Consultant for the Facilities Management Aperture Vista 400 Management software upgrade. Mr. Heard was responsible for reviewing all the thousands of connections to the data center racks and equipment inside the Data Center server area. Mr. Heard created reports detailing the thousands of errors that were found. The report also indicated how the Facility could become more energy efficient in its power usage and save up to 30% on their yearly electrical cost within the Tier 4 level center.

Nalco Water Treatment plants: Mr. Heard served as Electrical Technician, Fabricator and Designer/Detailer on the project. The project consisted of several panels at various water treatment plants across the country. Mr. Heard was responsible for the electrical construction and fabrication and design of the panel layouts.

Hitachi Automation: Mr. Heard served as Electrical Technician, Fabricator, Designer/Detailer and Electronic engraver for the project, working through every phase of the complete project. From designing the large 6' X 5' panels, thru Fabrication and Electrical Construction to QC testing. Mr. Heard also trained additional staff on various phases of the project while supervising the overall work.

Department of Defense, Special Project Automation System: Mr. Heard served as Electrical Designer and reverse Engineered the 135'-00" Special projects Automation system. I was responsible for reviewing the automation system and reversed engineered the interworking's and creating numerous detailed drawings all the way down to the number of threads in each screw. The new system drawing where modulated to ensure a separated but complete design that will connect to the other module designs.

Anixter New Warehouse Building – Alsip, Illinois: Mr. Heard served as Lead Electrical Designer/CAD Manager for New warehouse construction that housed office and warehouse space. Working with the Lead Electrical Engineer and Project Manager, Mr. Heard created the Electrical designs for the electrical, lighting, and power distribution systems for the project. Including the Lightning protection, security and communication systems for the warehouse. As well as the CCTV system layout.

Morgan Stanley Building Renovations and Data Center – Riverwoods, IL: Mr. Heard served as Lead Electrical Designer for the large Building renovation project that included a new Data Center floor for the building to handle their Discover Card processing center. Mr. Heard was responsible for the overall electrical design with the Lead Electrical Engineer for the special electrical and communication floor design in the renovation area as well as in the Tier 4 Data Center design.

Abbott Laboratories – Chicago Headquarters, Lake County, IL: Mr. Heard served as Electrical Designer on the expansion project and was responsible for the overall electrical design of the project with the Lead Electrical Engineer and Project Manager.

State of Illinois Data Center Upgrade Dirksen Federal Building– Chicago, IL: Mr. Heard served as Electrical Designer for the electrical Upgrade for the State of Illinois Data Center Upgrade in the Dirksen Federal Building (before the James R Thompson Building). Working with the Lead Electrical Engineer/Project Manager Mr. Heard created Electrical designs that include a new upgraded electrical and distribution panels as well as a larger back-up UPS system.

Residential Remodeling and Rehabbing – Chicago, IL: Mr. Heard worked for 14yrs as business owner of HydraCom Management remodeled numerous residential and commercial projects around Chicago, Atlanta, Baltimore and Kansas City. Mr. Heard created designs for and remodel single family homes, 1 to 6-unit buildings and small office buildouts. Installing and renovating Electrical, Plumbing, Drywall, Roofing, New window installs, porch and deck building, Telephone and cable system. Mr. Heard also served as General Contractor (GC) for different projects and acquired the necessary permits needed.

Small Office Home Office (SOHO) Networking system – Baltimore, Maryland Area: Mr. Heard worked to install a physical and wireless network system in a home office. Providing network outlets in every room and various access points in the 5600-sq. ft. home to provide complete WIFI and LAN coverage.

TECO Big Bend Power Station Fiber Upgrade – Tamp, Florida Area: Mr. Heard worked to assist the customer in designing and layout the fiber connections and routing for TECO's entire power plant. The plant was upgrade from multi-mode fiber to single mode fiber. The facility's fiber infrastructure has capacity for future expansion.

FPL Turkey Point Power Station Water Sampling Upgrade – Homestead, Florida Area: Mr. Heard worked to assist the lead engineering in upgrading the power station's existing water sampling system into on new building with new and upgraded connections to the plants DCS system for monitoring and control.