

**MARV D. CARREON**

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**OBJECTIVE**

3D CAD /Cadd Admin. / Mechanical Design

**PROFESSIONAL EXPERIENCE**

**DESIGN MECHANICAL, INC. – Mechanical Contractors and Engineers**

March 2008 – Present

168 CTC Blvd., Suite #D

Louisville, CO. 80027

Building Information Modeler / CAD Administration

Revit MEP 2010, Revit Structure, AutoCAD 2010, QuickPen 2010, MEP 2010, TotalStation, Navisworks Manage 2010, Freedom, Review. Project Navigator, Buzzsaw 2010, FileZilla, E-PCS, GradeBeam, AccXES Tools

**NEUJAHR AND GORMAN, INC. - Consulting Structural Engineers.**

February 2005 – March 2008

88 Steele Street, Suite 200

Denver, CO. 80206

CADD System Manager / Structural Modeler

AutoCAD 2006, 2007, 2008 and Revit 2009 Series Structure 3D

**THE RMH GROUP, INC.**

March 2001 – July 2004

12600 West Colfax Ave, Suite A-400

Golden, CO. 80401

CADD Manager / Mechanical Designer. Industrial Process Division. Manage, customize and maintain various CADD Software packages, including AutoCAD 2004, AutoCAD Building Systems 4, AutoDesk Inventor, and Bentley Microstation V8 and J.

- Manage, update and maintain network CADD server, RMH Custom Menus, pulldowns, slides and button images using autolisp. Responsible for updating Automatic Software installations from RMH Intranet. Manage and update current software, software licensing, critical patches and updates on 46 network seats of Autodesk Products, and several in the field standalone and Labtop PC's.
- In-house CADD Standards, training and troubleshooting.
- Responsible for maintaining Plotter/Printers and print configurations for OcéTDS400, Océ9400, Xerox 8830, Calcomp 9600 and other HP and Canon System printers.
- Experience with AutoCAD Cell Block, Spanner, Microsoft Word, Microsoft Excel and DameWare remote control software.
- AutoCAD Users Group International (AUGI) Member.

**FRONT RANGE COMMUNITY COLLEGE – Westminster Campus**

3645 West 112<sup>th</sup> Avenue

Westminster, CO. 80031

Fall 2004

Director - Janel Highfill

AutoCAD Instructor – AutoCAD 2004 Beginning, AutoCAD 2004 Intermediate and AutoCAD 2004 Advanced.

**LOCKWOOD GREEN TECHNOLOGIES INC.**

1667 Cole Blvd. Bldg. 19, Suite 200

Golden, CO. 80401

February 2000 – January 2001

Special Systems Designer. Responsible for layout and design of mechanical and electrical systems for various cellular sites using AutoCAD 2000 Software. Clients included:

- Voicestream Wireless PCS, Expansion Site Projects, Denver, CO. Designed wireless PCS expansion sites, developed drawing packages for city board approval leading to final construction drawing packages for the construction of all sites. Design of various sites included Architectural, Structural, and Electrical.
- Bechtel Telecommunications, Aurora, CO. Cadd operator for OSP design of fiber optic sonet loop sections around Denver, CO. area. Approximately 35 miles of civil design using AutoCAD 2000 Land Development.
- US West Wireless PCS Sites, Denver, CO. Design Wireless PCS construction sites using AutoCAD 2002.

**CACTUS INTEGRATION GROUP @ LEVEL 3**

3751 Revere Street

Denver, CO. 80239

October 1999 – February 2000

Responsible for layout and design of Infrastructure at Gateway Plant, Including Fiber trough, unistrut, ladder rack, and Seismic loading using AutoCAD Release 14.

**THE BALLARD GROUP, INC.**

2525 S. Wadsworth Blvd. #200  
Lakewood, CO. 80227

January 1998 – October 1999

Senior CADD operator utilizing AutoCAD Release 14. Responsible for all architectural-related working drawings from HVAC layout, to mechanical and plumbing schematics for hospitals, schools, and other commercial facilities.

**EMC ENGINEERS, INC.**

2750 S. Wadsworth Blvd. #200  
Denver, CO. 80227

October 1991 – December 1997

CADD Manager/Mechanical designer utilizing AutoCAD Release 13 & 14. Responsible for all architectural-related working drawings from HVAC layout, to mechanical and electrical schematics for residential, commercial, hospitals, schools, churches, & industrial facilities. Familiar with all aspects of AutoCAD production, management, and organization. Projects included:

- Highway 36 Land Development Co., Last Chance, CO. Wastewater Treatment Plant (WWTP). Architectural, civil, structural, mechanical, and electrical systems.
- DOE, Rocky Flats Plant, Golden, CO. Kathabar dehumidification systems.
- United States Air Force Academy, Colorado Springs, CO. Replace heating facilities in 8 buildings. Design of Mechanical rooms. Lead CADD operator. Supervised and accomplished drawing production including:
  - Equipment layout and design
  - Piping and ductwork layout

**SERVICE MASTER ENERGY MANAGEMENT**

5340 S. Quebec Street  
Englewood, CO 80111

January 1990 - June 1991

Mechanical Designer/CADD Manager, Assisted engineers with computer aided design & drafting of energy management systems with AutoCAD Release 11 & 12. Manage CADD system, oversee CADD Department staff and organize training on current CADD system.

**WILSON & COMPANY**

6611 Gulston Court NE  
Albuquerque, NM 87109

November 1988 - November 1989

Architectural CADD Technician/Manager. Responsible for management and organization of AutoCAD release 10 CADD system for all architectural-related working drawings. Also generated drawings by hand, in ink and lead, for clients such as Giant Industries, Holloman Air Force Base, Corps of Engineers, and the New Mexico State Highway and Transportation Department.

**LEEDSHILL-HERKENHOFF, INC.**

500 Copper Ave., NW  
Albuquerque, NM 87103

September 1987 - November 1988

Mechanical Design/Drafter. Responsible for HVAC layout and design of mechanical systems by hand and computerized drawings with AutoCAD and use of Release 9 software. Computerized drafting experience includes plotting, digitizing, and updating software. Various clients included:

- Corps of Engineers, Holloman Air Force Base,
- New Mexico State Highway and Transportation Dept.
- General Electric, Aircraft Engine Manufacturing Plant
- Los Alamos and Sandia National Laboratory

**EDUCATION**

Occupational Associates Degree in Architectural Design Drafting Technology  
National Education Center, AAI Campus, Phoenix, AZ.

December 1982 - June 1984

- Occupational Associates Degree in Drafting Technology: An 18-month course of study with approximately 1,620 hours of theory and lab for 92 quarter hours.
- Architectural Drafting: Approximately 65 quarter credit (1,080 clock hours) of classroom training. Principles of construction drafting from light residential through multilevel commercial with emphasis on practical application of current practices approved by national building codes. Presentation drawings, estimating, and model construction were required prerequisites.
- Computer Aided Drafting/Design (CADD): CADD/CAM terminology, history and future, Holguin hardware and software, menus and commands, plotting, digitizing, building a data base library, system security, CAD acquisition and management. Approximately 1,180 hours of hands-on experience with an industrial CADD system.
- Completed four year academic program and four years of architectural and mechanical drafting – Central High School, 1982