

**DAVID WALTER HURLBURT** PROJECT MANAGER - CAD DESIGNER - TECHICAL COMMUNICATIONS  
Facilities Mechanical Sites Architectural Engineering Construction 3D Concepts Tech Support

**Email:** cadsulting@optimum.net - **Web Site:** [www.cadsulting.com](http://www.cadsulting.com) - **Cell:** 203-843-2353 - Milford CT

**SEEKING:** I wish to apply 20 years experiences in Creative Accurate Design in MAEC- Mechanical Architectural Engineering Construction - 3D & Drafting, as a Project Manager/Coordinator/Designer - Coordinator: Sub Contract Management, Estimating, Technical Graphic Communication/ Web design, Concepts, CAD, and Mechanical & Facility Design.....In Connecticut Only (SE)

**DESIGN SUMMARY:** 20 years experience preparing/co-coordinating Architectural Construction Documents (elevations, site/ plans) Mechanical Design / E/M Packaging / Railcar Cab & Aircraft Interiors / Harness / Motion / Weldments / Inst. & Controls / Jigs and Fixtures Concepts / Desktop Graphic Design / 3-D Solids & Wire frame /ISOs/ Creative Presentations / Instructional Design - Training / Tech. Illustration & Writing / IPB'S/ / Human Factors & Ergonomics / Sheet Metal Enclosures, / R & D / Patent Art / Model Making Foam core, etc. – Machining / Corporate & Manufacturing Facilities Design, Space Planning & Office Layouts, Academic Labs, / Furniture Manuals / Marker Renderings. Entrepreneur, have a US patent and was a former small business leader.

**SOFTWARE SKILLS:** AutoCAD 14/2000/02/06 [approximately 11,000 hours ] Solidworks04 / MS Project, MS OFFICE 2003, [Power Point, Outlook, Excel, Word] VISIO 2000 / CANVAS 5,6,7,8,9,10 / Adobe Illustrator / Photoshop, Mechanical Desktop, Sketch UP 6.0 - 2D/3D Concepts / WINDOWS 98/2000/XP

**INDUSTRY EXPOSURE (CONTRACT:** FACILITIES. SPACE PLANNING. ELECTRO-MECHANICAL DESIGN.TELECOM / INSTRUMENTATION DESIGN .SEMICONDUCTORS. MANUFACTURING. ANSI Y14.5. AIRCRAFT ENGINES. AIRCRAFT INTERIORS. PAPER & PRINTING. R &D. FUEL CELLS. PCB HARDWARE / OPTICS. LAN. PLUMBING. LASERS. TRANSIT PRESENTATIONS. HOUSE FRAMING. CLASSROOM INSTRUCTIONAL DESIGN AND DELIVERY. EXHIBIT DESIGN.CONCEPTS. KAIZEN (LEAN Concepts) [for Air Craft Helicopter Manufacturing.]

**EMPLOYMENT EXPERIENCE:** SUCCESSFUL CONTRACT ASSIGNMENTS - 1986 TO 2008

>**RFS Radio Frequency Systems**, Meriden CT Facility concepts /Plant Layout 1/6 to 5/28/2008 organized 24 plant moves in AutoCAD 2006, MS Project. Windows XP Coordinated & Management, layouts for what if concepts due to compression of 2 buildings into one. Project coordination, planning, cad arrangements using huge database of facility files and as-built determinations.

> **CADsulting 2007**– Plans for a Mosque: for Scalzo, site plans and interior M/E/P/HVAC layouts for 2 acre property for bid documents, D size 16 sheets. 10/29 done. Site plan / field work for 27,000 SF carwash installations, Dec. 06-June 07. 7 drawings done in AutoCAD 2006, signed by Scalzo Engineering, PE. Completed &.submitted to CT DOT 6/1/07

> **Scalzo Engineering LLC**, (PE) Clinton, CT Site re-work: 1/ Condo Site 2/ Residence foundation 3/ Industrial building, using Field coordinates and contours; Rodman assists to survey in field. Ongoing.

> **Satin American, Shelton CT**. Contract: One line AutoCAD Electrical Drawings for GE facility. 6 wks to Jan 15<sup>th</sup> 2007.

> **IDD Innovative Display & Design**, Bridgeport, CT. 7 weeks. Freelance. Filled in as Project Manager for Octanorm/Nimlock component Exhibit processes, details, BOM, work orders and database updates for time sensitive projects, 3D AutoCAD, and plans from design renderings, provide work orders in detail for construction. 9/13-10/11, 2006

> **Datran, Inc.** New Haven, CT Medical packaging in Solidworks and AutoCAD for presentation of concept. June 06

> **Haymond Law Firm**, Hartford CT. Mechanical Failure Analysis of Wheelchair Lift for pending lawsuit, may testify, Field inspection, photo documentations and slide show in Canvas 10; I proved fault that caused injury. Ongoing. 2004-08

> **SIKORSKY AIRCRAFT**, Stratford CT. Project Coordinator – Designer / Planner: Facilities Dept. for Administrative Level; planning and management of new and re-worked projects. Establish and maintain communications [IBM, AEC Firms] acting for SAC on 1.2 M\$ cafeteria projects, first total renovation since 1955. Planned and executed innovative 3 phased contraction schedule of cafeteria to allow continued use of cafeteria for 6,000 Employees. Maintained Change Orders in MS Project / Excel, tracked earned value of actual costs versus planned, reviewed / analyzed bid packages to prevent cost overruns; took initiative to investigate proposals and reduced costs of construction by \$35,000+. Efforts all re-drawn in AutoCAD 2005-6 / Power Point/ MS Word, Sketch UP 5, Canvas 9 and Outlook/ MS Project. Project Coordination, room design and workstation layout for 28 facilities moves and re-designs, including SAC off site acquisition of Schweitzer Aircraft. Designed 3 IPTs [offices on shop floor-enclosures] concept layouts for 14,000 SF. Renderings and Presentations and slide shows for manager and top executives. Scheduling, [MS Project] costing, [Excel] vendor contact, [Outlook] & creative problem solving. Complied with EH& S rules and codes. Asked to attend KAIZEN: Creative thinking of 3D concepts presented for Blackhawk Moving Line Proposal. Successfully completed in 17 months 8/2004-4/2006.

> **CADsulting 2003** Personal Note: Our Houses were Purchased/sold: I did all Renovations to a Cape & Ranch, Milford July-Nov. [1] for DF Jacobs Consulting, PA [www.dfjc.com](http://www.dfjc.com) : Mechanical Frame designed for Mass Bay Transit Authority MBTA (Boston) HVAC vibration study, 2D assembly and 3D drawing pkg, AutoCAD 2000 solids, \$16K project for a 3,000 lb unit; [2] Zimmerman Architecture: House CAD renovations, Norwalk, CT. [3] Built 36 inch foam core model of church for SR Architects, Middletown, CT; second model at 1/32 scale with site plan. [4] MF ME Inc. Redding, CT - 3D and 2D Architectural Drafting of 1752 house renovation, elevations, plans, site visits, presentation renderings 3D for exclusive client. Set of 19 drawings drafted for Zoning approval.

**CADsulting 2002** > [1] **SCALZO ENGINEERING. Clinton, CT.** Civil. AutoCAD 2000 drawings of local Mfg., Site Plan, including transit shots with surveyor scope; data calculated for water drainage. 3D design drawing of world's first storage racking system for containers, in ACAD Solids. [2] **NEW ENGLAND OUTBUILDINGS, Clinton, CT.** AutoCAD 2000 3D structural solids of Mortis & tenon barn for model making process; see my web site. [3] **RODRIGUEZ ARCHITECTS, Middletown, CT.** Created Complete Construction Document Set of New Bank, Building in Western MA, fall 02, in AutoCAD 14. Building Sections, Truss, elevations, plans, RCP, Foundation, and 16 Drawings in package submitted. [See my web site. Church Construction Docs

**CADsulting 2001**> [1] **UConn, Storrs, CT...**UConn 2000 Initiative. Space Planner: Designed new proposals for academic labs and offices, in AutoCAD 14/2000i. Site visits, furniture and equipment layout / specifications.

**CADsulting 99-2000** > [1] **DUSHKIN INTERMEDIA, CT.** Illustrator. Created 7 large files for indexing the Internet, an amazing proposal, using a variety of Draw programs - Canvas 7/8, Photoshop 6, Adobe Illustrator 7, Visio 2000 and AutoCAD 2000. [2] **GE Lynn, MA.** National Defense Premises. Instructional Designer / Support. Responsible for training 188 process planners in Aircraft Engines (JT7, 414, CF34, CT7) manufacturing, (regulated by the Department of Defense) in Graphics, CANVAS ver. 5 for UGS. Traveled to 5 out-of-state GE sites, conducted classes and one-on-one follow-up, after I re-designed, illustrated and wrote 80 page manual / curriculum for process planners / manufacturing engineers. Taught 'how to' export over 10 WIN95 / UNIX software used at GE for .TIF formatting to CS-CAPP/ORACLE 7 database software (CIM/X of Ohio); live e-learning with Microsoft Net Meeting.

**CADsulting 1998** > [1] **UConn, Storrs, CT.** Facilities Designer. Updated all facilities DWG's. in AutoCAD R14, showing electrical runs in 97 Manholes from Telecommunication prints, for Facility Management dept. [2] **TYCO PRINTED CIRCUIT GROUP, Stafford Springs, CT.** Electro-Mechanical Designer. April - Aug. 1998 Reverse-engineered NAVY communications box, disassembling all hardware back-plane components to create 3-D sheet metal enclosures, IPBs, and universal wiring / cable harness / cable assembly. [3] **GREENWALD INDUSTRIES - Chester, CT.** Industrial / Mechanical Designer. Created instrumentation panels/PC Board layouts for next generation of Whirlpool appliances, utilizing Smart Card technology, with AutoCAD 14 for Windows 95. Designed other sheet metal components for proposal; isometrics of completed project for UL submittal, accessed machine shop for models, designed jigs and fixtures in 3-D AutoCAD for factory workers assembly.

**CADsulting 1997** > [1] **AVERY DENNISON - Milford, MA** Safety Facilities Designer. Updated all offices, roof and Manufacturing area of 90,000 sq. ft. paper product division, in AutoCAD 14. [2] **PITNEY BOWES - Danbury, CT.** Electrical Mechanical Designer. 1996-97. Using CADRA 9.1, on HP UNIX, Created harness, component and mechanical drawings for custom to Prototype documentation into BOMs. Adobe Photoshop & Kodak Digital Camera used for database product updates on UNIX network

**CADsulting 1986 to 1996** > [1] **THERMATOOL '96 NORTEL** [2] **'96 GUNTERMANN ENGINEERING, New Haven, CT.** Facilities Designer/Office Mgr. Generated HVAC drawings '95 **EATON CORP.** Semiconductor, Beverly, MA. Mechanical / Industrial Designer. Generated Human factor/mechanical motion improvements to ION Implanter - Wafer Manufacturing, for assembly technicians' removal and cleaning of magnetic disc processes. [4] **'95 BEIERSDORF, INC., Norwalk, CT - Facilities Designer.** ACAD 12. Created for "what if" scenario-warehouse to cosmetics manufacturing conversion. Layouts sent to Germany.[5] **'94 GE / BRED A TRANSPORTATION, Harrison, NJ.** Electrical/Mechanical designer. Over 64 CAD arrangements of WMATA railcar wiring. [6] **'93 MORRISON KNUDSEN CORP., Hornell, NY.** Senior Mechanical Designer. Sub-floor sheet metal enclosures for New Haven-Metro (M6) North Trains, including all electrical aspects and welding details. [7] **'92 UTIL - UNITED TECHNOLOGIES INDUS. LASERS, [8] '91 BOMBARDIER CORP., Mass Transit Division, Bensalem, PA.** Railcar Interiors Designer. 1991. Chicago Metro (85' Highliner) including lighting, seating & HVAC.[9] **'90.** Freelance Design of Client projects at: CASCO Corp., TRIDENT Ink Jet, The Torrington Co., CT; UTC Research, CT; KAMAN AEROSPACE; C&M Technologies, Patent Art drafted for 8 Inventors. [10] **1988-87 PRATT & WHITNEY, UTC North Haven, CT** Facilities designer: Rearrangement of blade manufacturing process, piping, storage rack system. [11] **'86 IBM, Watson Research Center, Hawthorne, NY:** Architectural / Facilities designer. 1986. 200 scientists' offices/labs, HVAC, Piping, LAN, space planning of library; perspectives. 1<sup>st</sup> Contract after University degree.

#### PROFESSIONAL AFFILIATIONS:

- ◆ [www.STC.org](http://www.STC.org) - Society of Tech. Communication, 2000-05 ◆ Human Factors & Ergonomics Soc. '93 -'94
- ◆ IDSA - Industrial Designer's Soc. of America, 1993-2001 ◆ Strathmore's Who's Who, 1999-2000 Edition
- ◆ AutoCAD User's Group Int'l, 1997-02 [www.augi.com](http://www.augi.com)
- ◆ Who's Who Among American Inventors, 1988. ◆ CT AutoCAD User's Group 1993-94

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