



GARY MICHAEL WOOLLARD

**610 South Berry Road
St. Louis, Missouri 63122
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EDUCATION

B. Arch., University of Detroit School of Architecture, 1973

Thesis: "The Design of a Comprehensive Health Care Center"

M. Arch., University of Detroit School of Architecture, 1974

Thesis: "Automation and its Impact on the Design of the Comprehensive Health Care Center Emphasizing the Evolution and Future Design of the Nursing Unit"

REGISTRATION

**Registered Architect - Michigan 1977
Certified - NCARB, 1978**

Member - American Institute of Architects
Member - Missouri Council of Architects

EMPLOYMENT HISTORY

2001 to Present

GARY WOOLLARD CONSULTING
Owner

1998 to 2001

**HELLMUTH, OBATA AND
KASSABAUM, INC**
Vice President and Associate

1992 to 1996

1979 to 1988

1996 to 1998

CANNON DESIGN, INC
Vice President

1988 to 1992

1974 to 1979

SVERDRUP CORPORATION
Staff Architect

GARY WOOLLARD CONSULTING

Gary M. Woollard, AIA is owner of Gary Woollard Consulting (GWC). After approximately 25 years of working with national and international healthcare firms, he started GWC in 2001. He has extensive programming and planning experience, working with a variety of national and international clients. Currently he is consulting with the University of Alabama Health System acting as a clearinghouse for all facility master planning and space programming projects for the Health System.

PROJECT EXPERIENCE:

MASTER PLANS

University of Alabama Master Plan, UAB, Birmingham, Alabama

Master Plan for a 908-bed tertiary-care facility.

Position: Medical Functional and Space Programmer

Description: Study spanning a period of three years. Several sites were considered for the replacement of the diagnostic and treatment facilities.

Missouri Baptist Hospital (BJC), St. Louis, Missouri

Master Plan for a 494-bed acute care hospital, specializing in obstetrics, heart services, cancer services and orthopedics

Position: Medical Functional and Space Programmer

Description: A study focusing on patient volume capacity analysis and site zoning and use.

Saint Joseph East, Lexington, Kentucky

Master Plan for a 200 bed-facility.

Position : Medical Functional and Space Programmer

Description: Master Plan Program for several programs and services including: Hospital Expansion-Surgery, outpatient facilities, long-term care and rehabilitation.

Marymount Medical Center, London, Kentucky

Master Plan for a 76-bed facility

Position: Medical Functional and Space Programmer

Description: Master Plan Program for several programs and services including: Surgery, Radiology, Short Stay, Critical Care, Obstetrics, and Emergency.

Departmental of Mental Health for Harris County (MHRHC), Houston, Texas

New prototypical service centers for the delivery of outpatient care

Position: Medical Functional and Space Programmer

Description: This project linked volume of patient visits to “patient care teams” as well as to the amount of space needed for each team to accomplish their mission. This included both adult and child care models.

Saint John’s Medical Center, Santa Monica, California

Replacement project for a 400-bed hospital.

Position: Medical Space Planner

Description: Saint John's Medical Center was severely damaged during the Northridge earthquake in 1994. This plan was developed to systematically replace the clinical facilities on site as well as develop additional site across Santa Monica Blvd. The additional site provides space for Health Education and Conference Center, Fitness and Wellness Center and a Health Promenade, which consists of health care, related retail space.

Saint Joseph Hospital, Lexington, Kentucky

Long Range Facility Plan for a 400-bed community hospital.

Position: Medical Space Programmer/Planner

Description: A focused study involving needs as defined by the hospital's strategic planner. The work involved the development of a master-planning framework that dealt with varying levels of information already generated by the hospital.

Baptist Hospital of Miami, Miami Florida

Master Plan for a 513-bed acute care facility.

Position: Medical Space Programmer/Planner

Description: This plan involved the addition to several departments concentrating on replacement beds, surgery, radiology, vascular center, laboratory and support services.

Baptist Hospital of Miami, Miami, Florida

Master Plan Update for a 513-bed facility.

Position: Medical Space Programmer/Planner/OIC

Description: The Master Plan Update involved a focused study that critically evaluated the space projections for selected departments and services made in an earlier study conducted by the programmer. The results of the study indicated that additional space would be needed for the diagnostic and treatment areas. A new program was established for the Miami Vascular Institute at Baptist Hospital.

Another aspect of this project responded to the need for 23 1/2-hour recovery (short stay) units. The programmer developed data (based on projections of specific types of patients who are current or future candidates for this service) that has been instrumental in the development of planning guidelines for the short stay unit.

The Hospital for Special Surgery, New York, New York

Program verification/modification for a Master Plan Study involving a 182 bed orthopedic hospital.

Position: Medical Space Programmer

Description: This project involved the verification of a master plan space program developed by another consultant. The client and its strategic planner questioned the validity of the numbers. The programmer/planner revised the program based on utilization and defended the program through the acceptance of the Certificate of Need at Albany. The Programmer developed a format for justification of space/planning guidelines specific to the Hospital for Special Surgery. The State of New York is using this as a suggested format for future work.

National Institutes of Health, Bethesda, Maryland

Addition/Renovation of Building #10 which contains approximately 2.8 million square feet of space.

Position: Senior Project Medical Space Planner

Description: On this project the Senior Project Planner was the liaison between the programming/planning consultant team and the architect. The programming/planning consultant team consisted of a laboratory consultant and a healthcare consultant.

Edgewater Hospital, Chicago, Illinois

Master Plan for downsizing a 328-bed facility to 225 beds.

Position: Medical Space Programmer/Planner

Description: This was a global study involving a master plan program developed as a result of a decreased utilization of all hospital departments. The Programmer/Planner Master zoning diagrams indicating how the new program would be implemented in the existing hospital.

Hannibal Regional Medical Center, Hannibal, Missouri

Master Plan for the consolidation of Levering Hospital and St. Elizabeth's Hospital.

Position: Medical Space Programmer/Planner

Description: This project involved a strategic planning consultant who studied the combined service area for the consolidated facility and determined that the bed need could be reduced from a combined total of 151 beds to 125 beds. The programmer/planner developed a space program detailing the diagnostic, treatment, and support need for a 125-bed hospital facility. He evaluated both Levering and St. Elizabeth's for their ability to accommodate the new program. The programmer/planner developed master zoning diagrams for reuse of St. Elizabeth's Hospital for the consolidated facility.

St. Mary's Hospital of Blue Springs, Blue Springs, Missouri

Master Facility Plan and Master Campus Plan to provide basic concepts for expansion.

Position: Medical Space Programmer

Description: This project involved a phased approach to the development of the hospital facility as well as the hospital campus. The programmer evaluated a master plan program developed by another consultant that was based on a 120-bed facility and determined what modifications of the program would be required to accommodate a total of 180 beds.

The programmer developed a master plan program for the 40 acre site that included two additional medical office buildings, a potential Behavioral Science Center, a Day Care Center, a Rehabilitation Center an Elderly/Long Term Care Facility, a Medical Mall, and speculative office development. The program emphasized building size (ground coverage) and parking requirements.

St. Clare Hospital, Baraboo, Wisconsin

Conceptual cost estimate for potential expansion of a 100-bed facility.

Position: Medical Space Programmer

Description: This project involved a conceptual cost estimate based on a program developed from the administrator's broad-based expansion plans. The plans emphasized ambulatory care.

The University Hospital at St. Louis University Medical Center,
St. Louis, Missouri

A Master Plan spanning a ten-year period involving a replacement bed tower and expansion of diagnostic and treatment services.

Position: Medical Space Programmer/Planner

Description: This plan involved the replacement of approximately 300 inpatient beds with extensive additions to surgery, admitting and public lobby.

Memorial Medical Center, Springfield, Illinois

Master Plan for a 570-bed acute care facility.

Position: Medical Space Programmer/Planner

Description: This plan involved the addition to several departments concentrating on the addition of a Cardiovascular Surgery Program.

The Christ Hospital, Cincinnati, Ohio

Master Plan for a 660-bed acute care facility.

Position: Medical Space Programmer/Planner

Description: This plan involved the addition to several departments concentrating on the development of an outpatient center.

St. Louis City Hospital, St. Louis Missouri

Program development for the re-use of an existing hospital.

Position: Medical Space Programmer

Description: This plan involves the updating and renovation of an existing hospital.

PLANNING STUDIES

Cedars-Sinai Medical Center, Los Angeles, California

Several Planning Studies were conducted at CSMC by the programmer/planner. The following is a list and description of those projects.

Clinical Laboratory Study

Position: Medical Space Programmer/Planner

Description: This study involved the development of a short-term, mid-term and long-term program that would allow for the orderly partial relocation of an expanded clinical laboratory from the Professional Tower of CSMC to either a connected building or a remote site. The existing clinical laboratory occupied approximately 50,000 DGSF. The short-term program required approximately 52,000 DGSF. The mid-term program required approximately 53,000 DGSF, of which 21,000 could be located at a remote site. Minimal duplication was anticipated. The long-term program required approximately 81,000 DGSF of which 58,000 could be located at a remote site. The total of 81,000 DGSF included approximately 13,000 DGSF due to duplication of space caused by the remote site concept.

Cytogenetics and HLA Laboratories Study

Position: Medical Space Programmer/Planner

Description: This study involved original research to substantiate existing planning guidelines for cytogenetic laboratories and to develop planning guidelines for HLA Laboratories. Several institutions were surveyed throughout the United States. Based on that study, planning guidelines were developed and a space allocation was determined. Block diagrams were developed to determine if the new laboratories could be accommodated in the Steven Spielberg Research Building.

Gastroenterology Study

Position: Medical Space Programmer/Planner

Description: This study involved the development of three program alternatives. Alternative one involved the program required for a combined inpatient/outpatient GI Laboratory. Alternative two involved the program for a separate inpatient GI Laboratory. Alternative three involved the program for a separate outpatient GI Laboratory. CSMC was interested in the amount of space that would be required to move the outpatient load to a remote site. The development of these programs was based on the projected utilization to 1995.

Infant Care Study

Position: Medical Space Programmer/Planner

Description: This study involved the development of an area for care of a wide range of infants. Its basic intent was to alleviate pressure in both the NICU and PICU. The area was programmed and planned to accommodate intermediate care.

Department of Pediatrics Study

Position: Medical Space Programmer/Planner

Description: This study involved the development of a three-phase program. The Immediate Need Phase involved the reuse planning of existing space. The Short Term Need Phase involved the reuse planning of existing space in addition to new construction. Both of these phases included acute care beds, as well as special care units for bone marrow and isolation. The Long Term need phase involved expansion of the PICU.

Veterans Administration Nursing Homes, Tampa/Lake City, Florida

This project included a prototypical design for a 120-bed nursing home expandable to 240 beds.

Position: Medical Space Planner

Brent Hospital, Detroit, Michigan

This project included a baseline survey of the condition of the existing hospital for future use.

Position: Medical Space Planner

Red Cross, St. Louis, Missouri

This project included the program development for laboratory space.

Position: Medical Space Programmer

NEW BUILDING PROJECTS

The Center of Clinical Excellence, Nebraska Health System, Omaha, Nebraska

A \$45 million diagnostic and treatment replacement facility including: Surgery, Radiology and Emergency Department.

Position: Lead Medical Programmer and Planner

Description: Responsible for the development volume based study. Determined the need based on key room counts. Translated key room counts to square footage requirements.

Responsible for detailed departmental programming

The Center for Advanced Medicine (CAM) The Brigham and Women's Hospital, Boston, Massachusetts

A new 350,000 square foot ambulatory care building

Position: Programming and Planning Consultant

Description: Program verification and medical planning consultation for ambulatory surgery, radiology and clinics.

The South East Regional Treatment Facility, Madison, Indiana

A replacement Psychiatric Facility commissioned by the Indiana State Office Building Commission

Position: Programming and Planning Consultant

Description: Program development for a new 150-bed facility housing 90 Mentally Ill Clients and 60 Developmentally Disabled Clients.

University of Texas Medical Branch (UTMB) Jeannie Sealy Hospital Replacement Facility

Galveston, Texas

A \$166 million diagnostic and treatment replacement facility accommodating approximately 545,000BGSF

Position: Medical Programmer and Planner

Description: Responsible for the development of a volume-based study. Determined the need based on key room counts. Translated key room counts into square footage requirements.

The New North Pavilion, University of Alabama Hospital, Birmingham, Alabama

A \$180 million diagnostic and treatment replacement facility

Position: Lead Medical Programmer and Planner

Description: Manager of the medical programming from the development of the Certificate of Need through Construction Documents.

Northwestern Memorial Hospital, Chicago, Illinois

A \$620 million replacement hospital and ambulatory care facility

Position: Medical Functional and Space Programmer/Planner.

Description: One or four medical planners assigned to the fit-out of diagnostic, treatment and support facilities with special emphasis in clinical and anatomical laboratory design.

BJC Health Systems Campus Integration Project, St. Louis, Missouri

A \$225 million revitalization/consolidation project.

Position: Medical Functional and Space Program Manager

Description: Coordinated all medical functional and space programming issues for two campuses. Lead programmer in charge of the Program Coordinating Task Force (PCTF).

University of Nebraska Medical Center – The Lied Transplant Center

A center to consolidate pre- and post-transplant services as well as Cancer for the treatment of cancer patients. The center is linked to the hospital for acute and diagnostic support services.

Position: Medical Functional and Space Programmer/Planner

Description: Medical functional and space program for the facility based on a concept comprised of: a Patient Care Center, Cooperative Care patient rooms, research laboratories, and education and hospitality space.

St. Francis Hospital, Evanston, Illinois

A 200-bed replacement hospital located in suburban Chicago.

Position: Medical Space Programmer

Description: Project includes a total replacement of the hospital on the existing site

St. Marys Hospital Medical Center, Madison, Wisconsin

Addition of a new eight-story building connecting to the existing West Wing, providing 103 additional beds to the Medical Center.

Position: Medical Functional and Space Programmer

Description: This project included a space program for a partial replacement of several support functions including: materials management, purchasing, loading dock, meeting rooms, and admitting. It also included a program for a 38 bed psychiatric nursing unit programmed with the ability to decentralize into three segments responding to variations in patient load. The program included two floors of medical/surgical beds. A new lobby and main elevator core were part of the new building.

University Commons, Sarasota, Florida

A freestanding 60,000 square foot medical services center for a large scale mixed use development having as a primary focus a multilevel, full service continuing care retirement community.

Position: Medical Space Programmer/Planner

Description: This project includes a Doctor's Office Component, a Geriatric Assessment Component and a Diagnostic/Treatment Support Component (including outpatient surgery). This work is being done with Cybertec, a strategic planner from New York City.

Brooklyn Children's Psychiatry Center, Brooklyn, New York

Program development for a 90-bed residential/treatment facility with school and day treatment facilities

Position: Medical Space Programmer

Description: This project involved the reprogramming of the facility, reducing the number of beds from 120 to 90. The remaining support facilities were reduced accordingly. The work involved direct contact with the Department of Mental Health for the State of New York.

University of Alabama, Psychiatric Hospital, Birmingham, Alabama

Program development and schematic design for a 75 bed psychiatric facility.

Position: Medical Functional and Space Programmer/Planner

Description: This project involved a mental health facility that included programs for adult (open and locked) patients, geriatric patients, and adolescent and substance abuse patients. A day hospital program was included as well as a school and an extensive outpatient clinic.

Whitby Psychiatric Hospital, Whitby, Ontario, Canada

Schematic Design for the ancillary departments for a new 325-bed replacement hospital encompassing 500,000 Building Gross Square Feet

Position: Medical Planner/Schematic Departmental Layout

Description: Twelve individual patient units are linked to a centralized ancillary containing administration, education, therapy, vocational rehab, food service and materials management. A covered spine corridor connects all the units and offers protection from weather.

Providence Hospital, Anchorage, Alaska

This project involved the program development for a major expansion of a 337-bed facility.

Position: Medical Program Consultant

Baptist Hospital of Miami, Miami, Florida

This project involved several segments:

South Building

This segment included new administrative offices, medical library, medical records department, physician lounge, data processing, patient accounts, general accounting, auditorium, and classrooms.

Lake Pavilion

This segment included a new women's center and a new rehabilitation center.

New Surgery

This segment included a new 20 operating room surgical department.

Outpatient Diagnostic and Treatment Center

This segment included outpatient rehabilitation, radiology, laboratory, and cardiology.

Position: Medical Space Programmer

Albert B. Chandler Medical Center, University of Kentucky,

Lexington, Kentucky

This project included the program development, concepts, schematic design, and design development for a major addition, including surgery, clinical laboratory, intensive care, and support departments. The building encompassed approximately 120,000 square feet.

Position: Medical Space Programmer/Planner

The University Hospital at St. Louis University Medical Center,
St. Louis, Missouri

This project involved several segments, the largest of which was a replacement bed tower of 60 intensive care beds and 250 acute care beds. It also included a major surgery expansion, admitting, lobby, and support functions.

Position: Medical Space Programmer/Planner

University of Alabama Hospital West Pavilion (New Patient Tower)
Birmingham, Alabama

This project involved the program development and schematic design for the New West Pavilion, which consisted of various inpatient-nursing units.

Position: Medical Space Programmer/Planner

San Bernardino Community Hospital, San Bernardino, California

This project involved the program interpretation for a new 300-bed facility.

Position: Medical Space Programmer

Kings County Hospital, Brooklyn, New York

This project involved the program verification/modification for a 2 million square foot replacement facility.

Position: Medical Space Programmer

Heartland Human Services, Effingham, Illinois

This project involves the programming of 25,000 square feet of outpatient mental health facilities including mental health, substance abuse, community integration services and business administration areas.

Position: Medical Space Programmer

RENOVATION PROJECTS

Brigham and Women's Hospital, Boston, Massachusetts

Renovation of the surgery department

Position: Medical Planner

Description: This project involved the study of the use of space in the surgery department.

St. Marys Hospital Medical Center, Madison, Wisconsin

Selected Renovation Project involving approximately 45,000 DGsf.

Position: Medical Space Programmer

Description: This project involved the space program for selected departments to be located in the vacated areas of the existing hospital after the addition to the West Wing is complete. It included various inpatient, diagnostic/treatment, and support departments.

Cedars-Sinai Medical Center, Los Angeles, California

Instrument Cleaning Area for Surgery.

Position: Medical Space Programmer

Description: This project involved the development of a satellite sterile area on the 7th floor of the Professional Tower. This satellite area was to serve surgeries that were located on four separate floors of the Professional Tower.

Cedars-Sinai Medical Center, Los Angeles, California

8 bed Infant Care Area.

Position: Medical Space Programmer/Planner

Description: The study that the programmer/planner conducted developed into a project. The original intent of the study was maintained and an area to care for a wide range of infants was developed.

Mt. Carmel Mercy Hospital, Detroit, Michigan

This project involved the program interpretation for 180,000 square feet of renovation.

Position: Medical Space Planner

Flower Hospital, Sylvania, Ohio

This project involved the program interpretation for various renovation projects.

Position: Medical Space Planner

CORPORATE CLINICS

Phillips Petroleum Company Corporate Clinic, Bartlesville, Oklahoma

This project included program development and schematic design for a 10,000 square foot corporate clinic.

Position: Medical Space Programmer/Planner

E. R. Squibb & Sons, Inc. Building "B" Clinic Renovation, Lawrenceville, New Jersey

This project included the program development and schematic design for a prototypical clinic to be used by Squibb. The clinic encompassed approximately 10,000 square feet.

Position: Medical Space Programmer/Planner

AT & T Midwestern Region Headquarters Corporate Clinic,
Chicago, Illinois

This project included the program development and schematic design for an employee clinic and wellness center. The project encompassed approximately 20,000 square feet.

Position: Medical Space Programmer/Planner

COMPETITIONS

Kon Kuk University, Seoul, Korea
600-bed teaching hospital

Position: Medical Space Planner

Pung Dong Hospital, Shanghai, China
500-bed teaching hospital

Position: Medical Space Planner