

Introduction



This reference book is intended to provide the minimum general and specific criteria required for all types of facilities on the Bethesda and Poolesville campuses of the NIH.

A.1 Organization

The National Institutes of Health is an organization of the Federal Government within the Department of Health and Human Services. Within NIH there are Research Institutes, the Clinical Center, and Administrative Offices that support the needs of the Institutes.

The following chart shows the basic organization of the Institutes, the Office of the Director, the Clinical Center, and the Centers/Divisions that support the Institutes.



Department of Health and
Human Services
National Institutes of Health

Office of the Director

National Institute
on Aging

National Institute
on Alcohol Abuse
and Alcoholism

National Institute
of Allergy and
Infectious
Diseases

National Institute
of Arthritis and
Musculoskeletal
and Skin Diseases

National Cancer
Institute

National Institute
of Child Health
and Human
Development

National Institute
on
Deafness
and Other
Communication
Disorders

National Institute
of Dental
Research

National Institute
of Diabetes and
Digestive and
Kidney Diseases

National Institute
on Drug Abuse

National Institute
of Environmental
Health Sciences

National Eye
Institute

National Institute
of General
Medical Sciences

National Heart,
Lung, and Blood
Institute

National Institute
of Mental Health

National Institute
of Neurological
Disorders and
Stroke

National Institute
of Nursing Re-
search

National Library
of Medicine

Clinical Center

Fogarty
International
Center

National Center
for Human
Genome Research

National Center
for Research
Resources

Division of
Computer Re-
search
and Technology

Division of
Research
Grants



A.2 Master Plan

The NIH Master Plan incorporates the entire campus site infrastructure, site topography, existing building analysis, site circulation of vehicles and pedestrians, wind analysis, building demolition, and building development. All projects shall follow the guidelines set forth in the approved NIH Master Plan.



A.3 NIH Bethesda Campus

There are over 70 buildings on the 322-acre campus comprising over 560,000 m² of space. The average age of these buildings is over 30 years.

The primary research and patient care facility on campus is the Warren G. Magnuson Clinical Center Complex (Building 10). The complex comprises of 280,000 m² of space, which is approximately half of the total building areas on campus. The complex includes the original Building 10, which opened in 1952, and 10 major additions, the largest being the Ambulatory Care Research Facility (ACRF) completed in 1980.

A campus map identifying building numbers and locations is available upon request. The following list identifies all buildings on the Bethesda campus.

A.3.1 Building Identification

- | | |
|------|---|
| 1 | Administration |
| 2 | National Institute of Diabetes & Digestive & Kidney Diseases |
| 3 | National Heart, Lung, & Blood Institute |
| 4 | National Institute of Allergy & Infections Diseases |
| 5 | National Institute of Allergy & Infectious Diseases |
| 6 | National Institute of Child Health & Human Development
National Eye Institute
National Institute of Diabetes & Digestive & Kidney Diseases
National Institute of Arthritis & Musculoskeletal & Skin Diseases |
| 6A | National Institute of Child Health & Human Development
National Eye Institute |
| 6B | National Institute of Child Health & Human Development
National Eye Institute
National Institute of Diabetes & Digestive & Kidney Diseases |
| 7 | National Institute of Allergy & Infectious Diseases |
| 8,8A | National Institute of Diabetes & Digestive & Kidney Diseases |



9	National Institute of Mental Health National Institute of Neurological & Communicative Disorders & Stroke National Eye Institute
10,ACRF	Warren Grant Magnuson Clinical Center (Hospital, Clinic, and Laboratories)
10A	AAALAC Animal Center
11	Boiler, Refrigeration, & Incinerator Bldg.
11A	Incinerator Building (not labeled)
12	Division of Computer Research & Technology Fire House, Garage
12A	Division of Research Services Division of Computer Research & Technology
12B	Cafeteria
13	Supply Operations Branch Personal Property Branch Division of Engineering Services Design & Construction Branch Facilities Engineering Branch Maintenance Engineering Branch Coordination & Planning Branch Materials Acquisition & Supply Branch Shops Branch Division of Safety Biomedical Engineering & Instrumentation Branch Laundry, CC
14A-H	Animal & Animal Feeding Building (H not shown) Veterinary Resources Branch (VRB)
T14	Contractor Storage
15A	Special Projects Office (not shown)
15B-I	Officer's Quarters (not shown)
15K	Wilson House National Institute of Mental Health
16,16A	Stone House, Fogarty International Center
17,17A	Electrical Power Vaults (17A also known as Bldg. 53 not labeled)
18	Cell Biology and Metabolism Branch (labeled as T-18) National Institute of Child Health & Human Development
20	Apartment
21	Radiation Safety Branch



Radiopharmaceutical Section
 Nuclear Medicine Department
 22 Grounds Maintenance Building
 Transportation
 23 Grounds Maintenance & Landscaping Storage
 25 Chemical Storage
 28 Experimental Surgery & Clinical Medicine Sec, VRB
 28A Veterinary Resources Branch (VRB)
 Comparative Pathology Section
 28B-D Long-Term Holding for large dogs, VRB (not labeled)
 29 CDB - Office of Biologics
 29A CDB - Office of Biologics
 National Institute of Dental Research
 29B Food and Drug Administration (FDA)
 30 National Institute of Dental Research
 31,31A-C General Office Building (31 and 31B not labeled)
 32 Greenhouse
 National Institute of Mental Health
 34 Chilled Water Plant
 35 Cafeteria
 36 National Institute of Mental Health
 National Institute of Neurological & Communicative
 Disorders & Stroke
 National Institute of Child Health & Human
 Development
 National Heart, Lung, & Blood Institute
 37 National Cancer Institute
 38 National Library of Medicine
 38A Lister Hill National Center
 Fogarty International Center
 National Center for Nursing Research
 T39 Fitness Center
 41 National Cancer Institute
 T41 Division of Safety - Containment Labs (not shown)
 45 Natcher Building
 46 Pepco Substation
 T46 Childkind, Inc.
 49 National Institute of Child Health & Human
 Development
 National Institute of Neurological & Communicative
 Disorders & Stroke



	National Institute of Mental Health
	National Eye Institute
	National Institute of Dental Research
	National Institute of Alcohol Abuse and Alcoholism
	National Institute on Aging
52	Electrical Power Unit
53	Electrical Power Vault (also known as Bldg. 17A not labeled)
54	Electrical Power Vault (not shown)
58	Storage Hazardous and Flammable Materials
60	Mary Woodard Lasker Center for Health Research & Education (The Cloister)
61	Cottage
62	Children's Inn
82	R.A. Bloch International Cancer Information Center
MLP6	Multilevel Parking
MLP7A	Multilevel Parking
MLP8	Multilevel Parking



A.4 Codes and Standards

All new NIH facilities will be required as a minimum to comply with the following codes and standards and any other standards mentioned in this document. The Architect/Engineer should verify all specific codes and standards for the latest issue.

Should a conflict occur between code requirements, the more stringent code requirements shall apply.

A.4.1 Federal

- CFR - Code of Federal Regulations Title 10 - Energy
- OSHA - Occupational Safety and Health Administration
- NEPA - The National Environmental Policy Act of 1969 and all Federal Acts and Executive Orders governing the environment and archeological and historic preservation
- PHS - Public Health Service Facilities Manual
- UFAS - Uniform Federal Accessibility Standards

A.4.2 National

- AAALAC - American Association for Accreditation of Laboratory Animal Care - Accreditation Standards
- AALAS - American Association for Laboratory Animal Science
- ASHRAE - Ventilation for acceptable standard indoor air quality 62-1989
- ASME/ANSI A17.1
 - American Society of Mechanical Engineers/American National Standards Institute - Safety Code For Elevators and Escalators
- BOCA - National Building Code
- BOCA - National Energy Code
- BOCA - National Mechanical Code
- NEC - National Electric Code
- NFPA - National Fire Codes as applicable
- NPC - National Standard Plumbing Code
- NCPC/CFA
 - National Capital Planning Commission/Commission of Fine Arts



A.4.3 Local - Montgomery County, Maryland

MCDOT - Montgomery County Department of Transportation
MDE- Maryland Department of Environment
WSSC - Washington Suburban Sanitary Commission

A.4.4 Other

AIA - Guidelines for Construction and Equipment of Hospital and Medical Facilities
HHS - Bio-safety in Microbiological and Biomedical Laboratories, Guide for the Care and Use of Laboratory Animals
NIH - National Institutes of Health - Architectural and Engineering Design Policy and Guidelines ("The Rosebook")

A.4.5 References

The New NIH Design Policy and Guidelines was developed using existing technical criteria from established government agency guidelines listed below:

ACGIH - American Conference of Governmental Industrial Hygienists
AIA - *Guidelines for Construction and Equipment of Hospital and Medical Facilities*
AIA - Document B163, *Scope of Designated Services*
COE - Corps of Engineers, *Design Instructions March Air Force Base* (10/15/90)
COE - Corps of Engineers, *A/E Instructions Medical Design Standards* (July, 1988)
DOD- U.S. Army Health Facilities Planning Agency
DOD - *Medical and Dental Treatment Facilities Design and Construction Guide* (10/10/91)
DOD- Naval Facilities Engineering Command, *Design and Construction Criteria* - January, 1987
NIH- Division of Engineering Services, Facility Engineering Branch, *Architectural and Engineering Design Policy and Guidelines* ("The Rosebook")
- Division of Engineering Services, Facility Planning



Office, *Design Guidelines for the National Institutes of Health*, Volumes One through Three

- Division of Engineering Services, Special Projects Office, *Generic Technical Criteria Developed Through The Clinical Center Complex Infrastructure Modernization & Improvement Program*

NIH - *Guide for Care and Use of Laboratory Animals*

NIH - Task 2.0 Site/Facility Assessment

NIH - Task 2.6 Infrastructure Assessment and Modernization & Improvement Strategies

NIH - Task 3.0 Program/Space Forecasts and Development/ Selection of Modernization Alternatives

PHS - Indian Health Service *Health Facilities Planning Manual* (10/01/91)

VA - Veterans Administration Office of Facilities, Volumes I, II, III, and Mechanical Section (10/4/91)

