

## INTRODUCTION

### Part 1 – GENERAL

1.1 These Standards are designed to promote consistency through a uniform set of guidelines, expectations and preferences for work conducted on Johns Hopkins University – Homewood Campus. These standards are the result of a collective effort from the Johns Hopkins Facilities and Real Estate (JHFRE) team. Although the Standards reflect the preferred methodologies of the JHFRE team, the contractor retains responsibility for determining and presenting industry-leading building processes and system options for each project. JHFRE will consider suggested deviations from these Standards, as long as no local or federal codes or regulations are violated.

1.2 Johns Hopkins University has placed a heavy emphasis on the need to promote itself as a Green Campus and model the behavior needed to address important initiatives such as sustainability and energy conservation. The JHU High Performance and Healthy Building (HPHB) Requirements include best practices to meet our goals for sustainability, health and well-being in all JHU-owned buildings. In accordance, JHFRE is holding new construction and major building renovations to a minimum of LEED Gold certification as a minimum with an expectation that an emphasis will be placed on decarbonization in alignment with Maryland’s Climate Solutions Now Act goals. The most recent version of the HPHB will be supplied to all project teams.

1.3 These Standards are applicable to work performed on the Homewood Campus in the following buildings:

- Agora
- Alumni Memorial Residence 1
- Alumni Memorial Residence 2
- Alumni Memorial Residence 3-A
- Alumni Memorial Residence 3-B
- Alumni Memorial Residence 3-C
- Ames Hall
- Babb Field at Stromberg Stadium
- Barton Hall
- Bates Tower
- Biology III
- Bloomberg Instruction Center
- Bloomberg Research Center
- Bradford Apartments
- Brody Learning Commons
- Charles Apartments
- Chemistry Building
- Clark Hall
- Cordish Lacrosse Center

- Croft Hall
- Dunning Hall
- Garland Hall
- Gate House
- Gilman Hall
- Greenhouse
- Hackerman Hall
- Hodson Hall
- Homewood Apartments
- Homewood Apartments Annex
- Hopkins Student Center
- Jenkins-Mergenthaler Hall
- Johns Hopkins Club
- Krieger Hall
- Latrobe Hall
- Levering Hall
- Levi Hall
- Macaulay Hall
- Malone Hall
- Maryland Hall
- Mason Hall
- McCoy Hall
- Merrick Barn Theatre
- Milton S. Eisenhower Library
- Mudd Hall
- Newton H. White, Jr. Athletic Center
- Nichols House
- North Chiller Plant
- Olin Hall
- Ralph S. O'Connor Recreation Center
- Remsen Hall
- Rogers House
- ROTC Building
- San Martin Center
- San Martin Garage
- Schelle Pavilion at Homewood Field
- Scott Tower
- Shaffer Hall
- Shriver Hall
- South Garage
- South Power Plant
- Steinwald Alumni House
- STSCI Parking Garage

- Undergraduate Teaching Labs
- West Gate Garage
- Wolman Hall
- Wyman Building 2
- Wyman Building 3

## Part 2 – Regulations and Codes

2.1 The JHFRE Standards utilized the following codes, standards and regulations as a basis of design. Under no circumstances shall a new construction or renovation project's plans or materials violate or bypass any local code, federal code or authority having jurisdiction (AHJ). It is the full responsibility of the design professional (during the development and preparation phases) and the contractor (during construction phase) to be aware and in compliance with the most recently published edition of all codes, standards and regulations. Neither these Standards nor the approval of a JHFRE representative will alleviate the design professional(s) of their legal liability to determine and properly document the specific project requirements.

- Building, Fire and Related Codes of Baltimore City
- International Building Code
- International Fuel Gas Code
- International Mechanical Code
- International Plumbing Code
- International Fire Code
- International Energy Conservation Code
- International Green Construction Code
- Code of Maryland Regulations (COMAR)
- Maryland Department of the Environment
- Maryland Elevator and Escalator Code
- Maryland High Performance Green Building Program
- Americans with Disabilities Act (ADA)
- National Fire Protection Association (NFPA) Standards
  - NFPA 13: Installation of Sprinkler Systems
  - NFPA 20: Stationary Pumps for Fire Protection
  - NFPA 25: Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems
  - NFPA 30: Flammable and Combustible Liquids Code
  - NFPA 45: Standard on Fire Protection for Laboratories Using Chemicals
  - NFPA 70: National Electric Code
  - NFPA 72: National Fire Alarm and Signaling Code
  - NFPA 78: Guide on Electrical Inspections
  - NFPA 90A: Standard for the Installation of Air Conditioning and Ventilating Systems
  - NFPA 101: Life Safety Code
  - NFPA 110: Standard for Emergency and Standby Power Systems

- NFPA 704: Standard System for the ID of the Hazards of Materials for Emergency Response
- Air-Conditioning, Heating and Refrigeration Institute (AHRI)
- Air Movement and Control Association (AMCA)
- American Association of State Highway and Transportation Officials (AASHTO)
- American Conference of Governmental Industrial Hygienists (ACGIH)
- American Institute of Steel Construction (AISC)
- American National Standards Institute (ANSI)
- American Society for Testing and Materials (ASTM)
- American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE)
- American Society of Mechanical Engineers (ASME)
- American Society of Safety Engineers (ASSE)
- American Water Works Association (AWWA)
- American Welding Society (AWS)
- Code of Federal Regulations (CFR)
- Illuminating Engineer Society (IES)
- Institute of Electrical and Electronics Engineers (IEEE)
- Manufacturers Standardization Society (MSS)
- National Electrical Code (NEC)
- National Electrical Manufacturers Association (NEMA)
- National Sanitation Foundation (NSF)
- National Standard Plumbing Code Illustrated (NSPC)
- Occupational Safety and Health Administration (OSHA)
- Sheet Metal and Air Conditioning Contractors' National Association (SMACNA)
- Underwriters Laboratories Enterprises (UL)
- Uniform Fire Code (UFC)
- US Safe Drinking Water Act (SDWA)