

Health & Wellness Impact Areas	Means for Achieving Guiding Principle	Guiding Principles for Sustainable Federal Bldgs	✓	Applicable Guidelines, Standards, and Rating Systems
General Health & Wellness	Integrated Team Approach for Assessment, Operation and Management of Existing Buildings.	GP I. Employ Integrated Design Principles (NC)/Employ Integrated Assessment, Operation, and Management Principles (EB) 1. Integrated Design/ Integrated Assessment, Operation, and Management		Fitwel: No specific requirement. Operational policies & recommendations included in each credit. WELL Building Standard v1: Mind Feature: Precondition 85 Integrative Design DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 2 Building Design & Construction 2-2 Employ Integrated Design Principles Chapter 3 Assessment of Existing Buildings for High Performance and Sustainable Building (HPSB) Compliance 3.2 Employ Integrated Assessment, Operation, and Management Principles GSA PBS-P100 Facilities Standards (April 2017) Appendix Submission Requirements Integrated Design Review Green Globes - NC 3.1 Project Management Green Globes - EB 4.0 Emissions, Effluents, & Pollutant Controls 4.12.5 Is there a Health & Safety Committee that meets regularly and carries our regular inspections of the property? 6.1 Environmental Management System LEED v4: BD+C: New Construction (NC) Pilot Credit 108: Integrative Process for Health Promotion Credit: Integrative Process ASHRAE/ICC/IES/USGBC 189.1 Informative Appendix F: Integrated Design
Health & Wellness Impact Areas	Means for Achieving Guiding Principle	Guiding Principles for Sustainable Federal Bldgs	✓	Applicable Guidelines, Standards, and Rating Systems
Diet ¹	Healthy Dining Options	GP IV. Enhance Indoor Environmental Quality 14. Occupant Health and Wellness Provide convenient access to: Healthy dining options		FitWel 10. Cafeteria and Prepared Food Retail 11. Vending Machines and Snack Bars WELL Building Standard v1: Nourishment Feature 38 Fruits and Vegetables (Precondition) 39 Processed Foods (Precondition) 44 Nutritional Information (Precondition) 45 Food Advertising (Precondition) 47 Serving Sizes (Optimization) 49 Responsible Food Production (Optimization) 51 Food Production (Optimization) 52 Mindful Eating (Optimization) DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 3 Employ Integrated Assessment, Operation, and Management Principles 3-5.4 Occupant Health and Wellness: Convenient Access to Healthy Dining Options GSA PBS-P100 Facilities Standards (April 2017) Not addressed GBI Addressing 2-5.4 and 2-2.1.1 Healthy Dining Options from the DoD UFC 1-200-02 in revised Guiding Principles Compliance Assessment Program. LEED v4: EBOM (except Schools) Pilot Credit 82: Local Food Production ASHRAE/ICC/IES/USGBC 189.1 Not addressed
Diet	Potable Water	GP IV. Enhance Indoor Environmental Quality 14. Occupant Health and Wellness Provide convenient access to: Potable water		FitWel 9 Water Supply 10 Cafeteria and Prepared Food Retail 11 Vending Machines and Snack Bars WELL Building Standard v1: Water Feature 30 Fundamental Water Quality (Precondition) 34 Public Water Additives (Optimization) 36 Water Treatment (Optimization) 37 Drinking Water Promotion (Optimization) DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 3 Employ Integrated Assessment, Operation, and Management Principles 3-5.4 Occupant Health and Wellness: Convenient Access to Potable Water GSA PBS-P100 Facilities Standards (April 2017) 3.7.5 Health and comfort: Ergonomics 3.7.5.2 Building Amenities: filtered hot/cold water dispensers = one of the High Performance options Green Globes - EB 4.0 Emissions, Effluents, & Pollutant Controls 4.10 Is the drinking water safe? GBI Addressing 2-5.4 and 2-2.1.1 Access to Potable Water from the DoD UFC 1-200-02 in revised Guiding Principles Compliance Assessment Program. LEED v.4: EBOM/NC Pilot Credit 105: Lead Risk Reduction ASHRAE/ICC/IES/USGBC 189.1 6. Water Use Efficiency: limits on use of potable water for irrigation and in HVAC systems. Requirement for water bottle filling stations for half of all drinking fountains. (2017/Addendum 2014)
Health & Wellness Impact Areas	Means for Achieving Guiding Principle	Guiding Principles for Sustainable Federal Bldgs	✓	Applicable Guidelines, Standards, and Rating Systems
Exercise ²	Stairwell Vertical Circulation	GP IV. Enhance Indoor Environmental Quality 14. Occupant Health and Wellness Promote opportunities for occupants to voluntarily increase physical movement: Stairwells as a desirable option for circulation.		FitWel 5 Stairwells WELL Building Standard v1: Fitness Feature 64 Interior Fitness Circulation (Precondition) DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 2 Building Design & Construction 2-2 Employ Integrated Design Principles 2-2.1.1 Integrated Planning 2-2.1.4 Site Integration and Design of the Building Chapter 3 Employ Integrated Assessment, Operation, and Management Principles 3-5.4 Occupant Health and Wellness: Making stairwells a desirable option for circulation. GSA PBS-P100 Facilities Standards (April 2017) 3.5 Interior Construction and Interior Finishes Performance Attributes 3.5.7 Promote the Use of Stairs GBI Addressing 2-5.4 and 2-2.1.1 Stairwell Vertical Circulation from the DoD UFC 1-200-02 in revised Guiding Principles Compliance Assessment Program. LEED v.4: EBOM/NC Pilot Credit 78: Design for Active Occupants ASHRAE/ICC/IES/USGBC 189.1 Not addressed

¹Additional resource: GSA's Facilities Management, Tenant Services, Concessions And Cafeterias Program.

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Exercise	Active Workstations	GP IV. Enhance Indoor Environmental Quality 14. Occupant Health and Wellness Promote opportunities for occupants to voluntarily increase physical movement: Active workstations	<p>FitWel 7 Workspaces</p> <p>WELL Building Standard v1: Fitness Feature 71 Active Furnishings (Optimization)</p> <p>DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 2 Building Design & Construction 2-2 Employ Integrated Design Principles 2-2.1.1 Integrated Planning 2-2.1.4 Site Integration and Design of the Building Chapter 3 Employ Integrated Assessment, Operation, and Management Principles 3-5.4 Occupant Health and Wellness: Active Workstations</p> <p>GSA PBS-P100 Facilities Standards (April 2017) Not addressed</p> <p>GBI Addressing 2-5.4 and 2-2.1.1 Active Workstations from the DoD UFC 1-200-02 in revised Guiding Principles Compliance Assessment Program.</p> <p>LEED v.4: EBOM/NC Not addressed</p> <p>ASHRAE/ICC/IES/USGBC 189.1 Not addressed</p>
Exercise	Access to Fitness Centers	GP IV. Enhance Indoor Environmental Quality 14. Occupant Health and Wellness Promote opportunities for occupants to voluntarily increase physical movement: Fitness centers	<p>FitWel 3 Outdoor Spaces 8 Shared Spaces</p> <p>WELL Building Standard v1: Fitness Feature 65 Activity Incentive Programs (Precondition) 66 Structured Fitness Opportunities (Optimization) 68 Physical Activity Spaces (Optimization) 70 Fitness Equipment (Optimization)</p> <p>DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 2 Building Design & Construction 2-2 Employ Integrated Design Principles 2-2.1.1 Integrated Planning 2-2.1.4 Site Integration and Design of the Building Chapter 3 Employ Integrated Assessment, Operation, and Management Principles 3-5.4 Occupant Health and Wellness: Fitness Centers</p> <p>GSA PBS-P100 Facilities Standards (April 2017) 3.7.5 Health and comfort: Ergonomics 3.7.5.2 Building Amenities: one of the High Performance options</p> <p>GBI Addressing 2-5.4 and 2-2.1.1 Access to Fitness Centers from the DoD UFC 1-200-02 in revised Guiding Principles Compliance Assessment Program.</p> <p>LEED v.4: EBOM/NC Not addressed</p> <p>ASHRAE/ICC/IES/USGBC 189.1 Not addressed</p>
Exercise	Access to Bicycle Commuter Facilities	GP IV. Enhance Indoor Environmental Quality 14. Occupant Health and Wellness Promote opportunities for occupants to voluntarily increase physical movement: Bicycle commuter facilities	<p>FitWel 2 Building Access</p> <p>WELL Building Standard v1: Fitness Feature 69 Active Transportation Support (Optimization)</p> <p>DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 2 Building Design & Construction 2-2 Employ Integrated Design Principles 2-2.1.1 Integrated Planning Chapter 3 Employ Integrated Assessment, Operation, and Management Principles 3-5.4 Occupant Health and Wellness: Bicycle Commuter Facilities</p> <p>GSA PBS-P100 Facilities Standards (April 2017) 3.7.5 Health and comfort: Ergonomics 3.7.5.2 Building Amenities: Locker/changing room = Baseline requirement</p> <p>Green Globes - EB 1.0 Energy 1.18 Cycling Facilities</p> <p>LEED v.4 EBOM Credit: Alternative Transportation LEED v.4 BD+C: NC and LEED v.4 ND Credit: Bicycle Facilities</p> <p>ASHRAE/ICC/IES/USGBC 189.1 5.3.7 Mitigation of Transportation Impacts</p>
Exercise	Mass Transit / Public Transportation Access & Walkability	GP I. Employ Integrated Design Principles (NC) 1. Integrated Design Principles (Sustainable Locations)	<p>FitWel 1 Location 2 Building Access</p> <p>WELL Building Standard v1: Fitness Feature 67 Exterior Active Design (Optimization)</p> <p>DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 5 Sustainable Installations 5-1 Overview Appendix B Best Practices B-1 Promote Sustainable Location and Site Development B-1.1 Evaluation of Site</p> <p>GSA PBS-P100 Facilities Standards (April 2017) Chapter 2 Urban Development and Landscape Design 2.1 Urban Planning and Public Use Performance Requirements 2.2.1 Sustainable Locations 2.2.1.2 Site Supports Transit-Use and Reduced Automobile Commuting 2.2.1.3 Site Supports Neighborhood Connectivity and Walkability</p> <p>Green Globes - EB 1.0 Energy 1.17 Public Transportation 1.19 Other Measures</p> <p>LEED v.4 EBOM Sustainable Sites Credit: Alternative Transportation</p> <p>ASHRAE/ICC/IES/USGBC 189.1 5.3.7 Mitigation of Transportation Impacts</p>
Health & Wellness Impact Areas	Means for Achieving Guiding Principle	Guiding Principles for Sustainable Federal Bldgs	Applicable Guidelines, Standards, and Rating Systems
Smoking Reduction / Cessation	Restrictions on smoking within buildings	GP IV. Enhance Indoor Environmental Quality 13. Indoor Air Quality (Environmental Smoking Control: Prohibit smoking in any form within the building and within 25 feet of building entrances).	<p>FitWel 3 Outdoor Spaces 4 Entrances and Ground Floor 6 Indoor Environment</p> <p>WELL Building Standard v1: Air Feature 02 Smoking Ban</p> <p>DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 3 Employ Integrated Assessment, Operation, and Management Principles 3-5.3.4 Environmental Tobacco Smoke Control</p> <p>GSA PBS-P100 Facilities Standards (April 2017) Not addressed</p> <p>Green Globes - EB 5.6 Control of Pollutants at Source GBI Addressing 2-5.4 and 2-2.1.1 Environmental Tobacco Smoke Control from the DoD UFC 1-200-02 in revised Guiding Principles Compliance Assessment Program</p>

¹Additional resource: GSA's Facilities Management, Tenant Services, Concessions And Cafeterias Program.

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				LEED v.4 EBOM Indoor Environmental Quality Environmental Tobacco Smoke Control (Prerequisite)
				ASHRAE/ICC/IES/USGBC 189.1 8.3.1.4 Prohibits Smoking
Additional Supportive Occupant Health Attributes related to the Built Environment found in the Guiding Principles				
Health & Wellness Impact Areas	Means for Achieving Potential Outcome	Guiding Principles for Sustainable Federal Bldgs	✓	Applicable Guidelines, Standards, and Rating Systems
In addition to other factors, exposure to daylight contributes to resetting of circadian rhythms, production of Vitamin D, and overall well-being.	Provide occupant access to daylight	GP IV. Enhance Indoor Environmental Quality 12. Daylighting and Lighting Controls 14. Occupant Health and Wellness Provide convenient access to: Daylight	✓	FitWel 3 Outdoor Spaces 7 Workspaces
				WELL Building Standard v1: Light Feature 60 Automated Shading and Dimming Controls (Optimization) 61 Right to Light (Optimization) 62 Daylight Modeling (Optimization) 63 Daylighting Fenestration (Optimization)
				DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 2 Building Design & Construction 2-5.2 Daylighting Chapter 3 Employ Integrated Assessment, Operation, and Management Principles 3-5.4 Occupant Health and Wellness: Convenient Access to Daylight
				GSA PBS-P100 Facilities Standards (April 2017) 3.7 Workplace Performance Attributes 3.7.4 Health and Comfort: Environmental Controls 3.7.4.2 Lighting/Daylighting: employee access to natural daylight 3.7.6.2 Partitions and interior walls: Maximize natural light through placement & colors 6.2 Lighting Performance Attributes 6.2.2 Lighting Quantity 6.3 Lighting Prescriptive Requirements 6.3.1 Indoor Lighting and Daylighting Criteria 6.3.2.5 Lighting Controls
				Green Globes - EB 5.0 Indoor Environment 5.8 Lighting Features GBI Addressing 2-5.4 Convenient Access to Daylight, 2-2.1.1 Integrated Planning, and 2-5.2 Daylighting from the DoD UFC 1-200-02 in revised Guiding Principles Compliance Assessment Program.
				LEED v.4 EBOM Indoor Environmental Quality Credit: Daylight and Quality Views ASHRAE/ICC/IES/USGBC 189.1 8.4.1 Daylighting
Health & Wellness Impact Areas	Means for Achieving Potential Outcome	Guiding Principles for Sustainable Federal Bldgs	✓	Applicable Guidelines, Standards, and Rating Systems
Contribute to improved indoor air quality	Provide access to indoor and outdoor plants	GP IV. Enhance indoor Environmental Quality 14. Occupant Health and Wellness Provide convenient access to: Plants	✓	FitWel 3 Outdoor Spaces
				WELL Building Standard v1: Nourishment Feature 51 Food Production (Optimization) Mind Feature 88 Biophilia I - Qualitative (Precondition) 100 Biophilia II - Quantitative (Optimization)
				DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 2 Building Design & Construction 2-2.1.1 Integrated Planning: include how convenient access to plants is being considered and accommodated from the beginning of the design process. Chapter 3 Employ Integrated Assessment, Operation, and Management Principles 3-5.4 Occupant Health and Wellness: Convenient Access to Plants
				GSA PBS-P100 Facilities Standards (April 2017) Not addressed
				GBI Addressing 2-5.4 and 2-2.1.1 Convenient Access to Plants from the DoD UFC 1-200-02 in revised Guiding Principles Compliance Assessment Program.
				LEED v.4 EBOM Pilot Credit 82: Local Food Production: EBOM Projects (except Schools) ASHRAE/ICC/IES/USGBC 189.1 Not addressed.
Health & Wellness Impact Areas	Means for Achieving Potential Outcome	Guiding Principles for Sustainable Federal Bldgs	✓	Applicable Guidelines, Standards, and Rating Systems
Views of nature contributing to overall well-being and healing (healthcare spaces)	Provide access to quality exterior views	GP IV. Enhance Indoor Environmental Quality 14. Occupant Health and Wellness Provide convenient access to: Exterior Views	✓	FitWel 7 Workspaces 7.2 - Outdoor Views
				WELL Building Standard v1: Light Feature 61 Right to Light (Optimization) Mind Feature 88 Biophilia I - Qualitative (Precondition) 100 Biophilia II - Quantitative (Optimization)
				DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 2 Building Design & Construction 2-2.1.1 Integrated Planning: include how convenient access to exterior views is being considered and accommodated from the beginning of the design process. Chapter 3 Employ Integrated Assessment, Operation, and Management Principles 3-5.4 Occupant Health and Wellness: Convenient Access to Exterior Views
				GSA PBS-P100 Facilities Standards (April 2017) 3.7 Workplace Performance Attributes 3.7.6.2 Partitions and interior walls: Tier 3: Do not block access to views 6.2 Lighting Performance Attributes 6.2.1 Lighting Quality: 3 Tiers require access to views for 50-90% of regularly occupied areas
				GBI Addressing 2-5.4 and 2-2.1.1 Convenient Access to Exterior Views from the DoD UFC 1-200-02 in revised Guiding Principles Compliance Assessment Program.
				LEED v.4 EBOM Indoor Environmental Quality Credit: Daylight and Quality Views ASHRAE/ICC/IES/USGBC 189.1 Not addressed. <i>(Note: Requirements for views of the outdoors have been discussed extensively by the ASHRAE 189.1 Committee, but no proposed revision has been approved for public review.)</i>
Health & Wellness Impact Areas	Means for Achieving Potential Outcome	Guiding Principles for Sustainable Federal Bldgs	✓	Applicable Guidelines, Standards, and Rating Systems
Improved air quality and control of temperature	Provision of ventilation systems, control of pollutants, IAQ management, and controls for occupant thermal comfort	GP IV. Enhance Indoor Environmental Quality 11. Ventilation and Thermal Comfort: provide safe and healthy ventilation and thermal comfort.	✓	FitWel 6 Indoor Environment 7 Workspaces

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				<p>WELL Building Standard v1: Air Feature 01 Air Quality Standards (Precondition) 03 Ventilation Effectiveness (Precondition) 05 Air Filtration (Precondition) 13 Air Flush (Optimization) 14 Air Infiltration Management (Optimization) 15 Increased Ventilation (Optimization) 17 Direct Source Ventilation (Optimization) 18 Air Quality Monitoring and Feedback (Optimization) 21 Displacement Ventilation (Optimization) WELL Building Standard v1: Comfort Feature 76 Thermal Comfort (Precondition) 82 Individual Thermal Control (Optimization)</p> <p>DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 3 Employ Integrated Assessment, Operation, and Management Principles 3-5 Enhance Indoor Environmental Quality 3-5.1 Ventilation and Thermal Comfort</p> <p>GSA PBS-P100 Facilities Standards (April 2017) 3.7.4 Health and Comfort: Environmental Controls 3.7.4.1 Ventilation and thermal comfort 5.2 Mechanical Performance Attributes 5.2.1 Temperature 5.2.2 Humidity Control 5.2.3 Air Movement 5.2.4 Pressure 5.2.5 Ventilation 5.2.6 Filtration</p> <p>Green Globes - EB 5.0 Indoor Environment 5.1 Ventilation System 5.6 Control of Pollutants at Source 5.7 IAQ Management</p> <p>LEED v.4 EBOM Indoor Environmental Quality Credit: Thermal Comfort Credit: Occupant Comfort Survey Credit: Minimum Indoor Air Quality Performance Pilot Credit: Learning Controls for Thermal Comfort</p> <p>ASHRAE/ICC/IES/USGBC 189.1 8 Indoor Environmental Quality (ASHRAE Standard 62.1, 62.2, and 170) & ASHRAE Standard 55</p>
Health & Wellness Impact Areas	Means for Achieving Potential Outcome	Guiding Principles for Sustainable Federal Bldgs	✓	Applicable Guidelines, Standards, and Rating Systems
Improved air quality and reduce risk of exposure to radon.	Test for radon in buildings to mitigate high levels from occupied spaces	GP IV. Enhance Indoor Environmental Quality 13. Indoor Air Quality (Radon: test for radon in buildings and mitigate high levels)		<p>FitWel 6 Indoor Environment</p> <p>WELL Building Standard v1: Air Feature 01 Air Quality Standards (Precondition): Radon</p> <p>DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Radon not addressed.</p> <p>GSA PBS-P100 Facilities Standards (April 2017) 3.3.3 Substructure: depressurization required when radon is present.</p> <p>Green Globes - EB 4.0 Emissions, Effluents and Pollution Controls 4.7 Radon</p> <p>LEED v.4 EBOM Indoor Environmental Quality Radon not addressed</p> <p>ASHRAE/ICC/IES/USGBC 189.1 Section 8: Indoor Environmental Quality 8.3.4 Isolation of the Building from Pollutants in Soil</p>
Health & Wellness Impact Areas	Means for Achieving Potential Outcome	Guiding Principles for Sustainable Federal Bldgs	✓	Applicable Guidelines, Standards, and Rating Systems
Improved air quality and reduce and/or eliminate exposure to mold and mildew	Provide policies and strategies for moisture control	GP IV. Enhance Indoor Environmental Quality 13. Indoor Air Quality (Moisture Control: Establish policy and implement a moisture control strategy to prevent building materials damage, minimize mold growth, and reduce associated health risks)		<p>FitWel 6 Interior Environments 6.2 Provide an asbestos-free interior</p> <p>WELL Building Standard v1: Air Feature 06 Microbe and Mold Control (Precondition) 12 Moisture Management (Precondition) 16 Humidity Control (Optimization)</p> <p>DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 3 Employ Integrated Assessment, Operation, and Management Principles 3-3 Ventilation Air and Building Envelope Requirements 3-5 Enhance Indoor Environmental Quality 3-5.3 Indoor Air Quality 3-5.3.1 Moisture Control</p> <p>GSA PBS-P100 Facilities Standards (April 2017) 3.2.4 Moisture and Condensate Control 3.2.4.1 Moisture Control Opaque Assemblies 3.3 Prescriptive Enclosure Requirements 3.3.1 Moisture Control 3.3.4 Wall Systems 3.3.4.2 Materials with Organic Content 3.3.4.3 Air/Moisture Barrier System 3.5.2.27 Acoustical Ceilings: includes moisture resistance</p> <p>Green Globes - EB 1.0 Energy 1.8 Envelope 1.16 Maintenance Schedules 5.0 Indoor Environment 5.1 Ventilation System 5.6 Control of Pollutants at Source</p> <p>LEED v.4 NC Energy and Atmosphere Credit: Existing Building Commissioning Credit: Existing Building Commissioning - Implementation Indoor Environmental Quality Credit: Indoor Air Quality Assessment</p> <p>ASHRAE/ICC/IES/USGBC 189.1 Section 8: Indoor Environmental Quality 8.3.6 Moisture Control</p>
Health & Wellness Impact Areas	Means for Achieving Potential Outcome	Guiding Principles for Sustainable Federal Bldgs	✓	Applicable Guidelines, Standards, and Rating Systems
Improved air quality and reduction of off-gassing and exposure to VOCs	Selection of low-emitting materials	GP IV. Enhance Indoor Environmental Quality 13. Indoor Air Quality (Low-Emitting Materials: Use low-emitting materials for building modifications, maintenance, and operations. In particular, specify the following materials and products to have low pollutant emissions: composite wood products, adhesives, sealants, interior paints and finishes, solvents, carpet systems, janitorial supplies, and furnishings)		<p>FitWel 6 Indoor Environment 6.3 Adopt and implement an Indoor Air Quality (IAQ) policy for the building</p> <p>WELL Building Standard v1: Air Feature 01 Air Quality Standards (Precondition) 04 VOC Reduction (Precondition) 09 Cleaning Protocol (Precondition) 25 Toxic Material Reduction (Optimization) 26 Enhanced Material Safety (Optimization)</p> <p>DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 3 Employ Integrated Assessment, Operation, and Management Principles 3-5 Enhance Indoor Environmental Quality</p> <p>GSA PBS-P100 Facilities Standards (April 2017) 5.2 Mechanical Performance Attributes 5.2.5 Ventilation: 3 tiers include low emitting materials requirements</p>

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				<p>Green Globes - EB 5.0 Indoor Environment 5.6 Control of Pollutants at Source 5.7 IAQ Management 6.0 Environmental Management System 6.2 Environmental Purchasing</p> <p>Green Globes - NC 3.7.2 Source Control and Measurement of Indoor Pollutants</p>
				<p>LEED v.4 EBOM Indoor Environmental Quality Credit: Green cleaning - Products and Materials Credit: Indoor Air Quality Management Program Credit: Enhanced Indoor Air Quality Strategies</p> <p>LEED v.4 NC Credit: Low-emitting Materials</p>
				<p>ASHRAE/ICC/IES/USGBC 189.1 Section 8: Indoor Environmental Quality 8.4.2 Materials</p>
Health & Wellness Impact Areas	Means for Achieving Potential Outcome	Guiding Principles for Sustainable Federal Bldgs	✓	Applicable Guidelines, Standards, and Rating Systems
Beneficial indoor air quality sustained in occupied buildings under construction.	Control of indoor air quality and impact on occupants during building alterations of existing spaces.	GP IV. Enhance Indoor Environmental Quality 13. Indoor Air Quality (Indoor Air Quality during Building Alterations: Establish a policy and implement necessary protocols to protect indoor air quality during renovations, repairs, and alterations, and during occupancy)		<p>FitWel 6 Indoor Environment 6.3 Adopt and implement an Indoor Air Quality (IAQ) policy for the building.</p> <p>WELL Building Standard v1: Air Feature 07 Construction Pollution Management 13 Air Flush (Optimization) 24 Combustion Minimization (Optimization)</p> <p>DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 2 Building Design & Construction 2-5 Enhance Indoor Environmental Quality 2-5.3.3 Protect Indoor Air Quality during Construction</p> <p>GSA PBS-P100 Facilities Standards (April 2017) Not addressed</p> <p>Green Globes - EB 5.0 Indoor Environment 5.6 Control of Pollutants at Source</p> <p>LEED v.4 EBOM Materials and Resources Prerequisite: Facility Maintenance and Renovation Policy Credit: Solid Waste Management - Facility Maintenance and Renovation Pilot Credit: Clean Construction</p> <p>ASHRAE/ICC/IES/USGBC 189.1 Section 10 Construction and Plans for Operation 10.3.1.5 Moisture Control 10.3.1.6 Construction Activity Pollution Prevention Idling of Construction Vehicles 10.3.1.7 Construction Activity Pollution Prevention: Protection of Occupied Spaces</p>
Health & Wellness Impact Areas	Means for Achieving Potential Outcome	Guiding Principles for Sustainable Federal Bldgs	✓	Applicable Guidelines, Standards, and Rating Systems
Reduce chemical exposure as part of pest management program utilized within buildings.	Complete and utilize an integrated pest management program within buildings.	GP IV. Enhance Indoor Environmental Quality 13. Indoor Air Quality (Integrated Pest Management: Use integrated pest management techniques as appropriate to minimize pesticide usage)		<p>FitWel 3 Outdoor Spaces 3.7 Adoption of an integrated pest management plan</p> <p>WELL Building Standard v1: Air Feature 09 Cleaning Protocol (Precondition) 10 Pesticide Management (Precondition) 22 Pest Control (Optimization) 28 Cleanable Environment (Optimization)</p> <p>DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 3 Employ Integrated Assessment, Operation, and Management Principles 3-5 Enhance Indoor Environmental Quality 3-5.3.3 Integrated Pest Management</p> <p>GSA PBS-P100 Facilities Standards (April 2017) 2.5 Landscape Prescriptive Requirements 2.5.5 Pollinators 2.5.5.3 Supplemental Information and Other Considerations 2.5.5.3.4 Site Maintenance: includes IPM</p> <p>Green Globes - EB 4.0 Emissions, Effluents and Pollution Controls 4.13 Pesticides</p> <p>LEED v.4 EBOM Credit: Integrated Pest Management (IPM)</p> <p>ASHRAE/ICC/IES/USGBC 189.1 Not addressed</p>
Health & Wellness Impact Areas	Means for Achieving Potential Outcome	Guiding Principles for Sustainable Federal Bldgs	✓	Applicable Guidelines, Standards, and Rating Systems
Reduce potential exposure and risk to occupants.	Utilize LCA evaluation of products as a basis for product selection. Complete and utilize a Green Purchasing program for supplies and products utilized within an existing building.	GP V. Reduce the Environmental Impact of Materials 15. Material Content and Performance Procure products and supplies that have a lesser or reduced effect on human health and the environment over their life cycle when compared with competing products or services that serve the same purpose, including products or services that serve the same purpose, including: i. Recycled Content and Comprehensive Procurement Guidelines ii. Biobased Content iii. Other Green Products iv. Ozone Depleting Compounds and High Global Warming Potential Chemicals		<p>FitWel 6 Indoor Environment 6.3 Adopt and implement an Indoor Air Quality (IAQ) policy for the building. 6 Indoor Environment 6.4 Adopt and implement a Green Purchasing Policy</p> <p>WELL Building Standard v1: Air Feature 04 VOC Reduction (Precondition) 09 Cleaning Protocol (Precondition) 11 Fundamental Material Safety (Precondition) 26 Enhanced Material Safety (Optimization) Mind Feature 97 Material Transparency (Optimization)</p> <p>DoD Unified Facilities Criteria 1-200-02 (Dec 2016): Chapter 3 Employ Integrated Assessment, Operation, and Management Principles 3-6 Reduce Environmental Impact of Materials 3-6.1.1 Recycled Content 3-6.1.2 Biologically-Based Products 3-6.1.3 Other Sustainable Products 3-6.1.4 Ozone Depleting Substances 3-7 Address Climate Change Risk (risk assessment of location & mitigation plan)</p> <p>GSA PBS-P100 Facilities Standards (April 2017) 3.4 Interior Performance Requirements: many specific materials requirements by building component (recycled, biobased, etc.), too numerous to list 5.2 Mechanical Performance Attributes 5.2.5 Ventilation: 3 tiers include low emitting materials requirements</p>

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			<p>Green Globes - NC 3.5 Materials & Resources 3.5.2 Interior Fit-out Path A: Performance Path for Interior Fit-Outs Life Cycle of Interior Fit-Out Path B: Prescriptive Path for Interior Fit-Outs Industry-wide and/or Product-specific EPDs Third-party certifications based upon multiple attribute standards developed by consensus based process (i.e. NSF/ANSI standards). Third-party certified life cycle product assessment (ISO 14040 and 14044) Green Globes - EB 6.1 Environmental Management System (EMS) Documentation 6.1.2 Stated goals and targets in policy? 6.1.2.4 Environmental purchasing? 6.1.2.5 Reduction in use and proper handling of hazardous products? 6.1.2.6 Training and education? 6.2 Environmental Purchasing NOTE: As part of GBI/ANSI Revision Committee: Risk Assessment for materials is included in the draft.</p>
			<p>LEED v.4 NC Credit: Building Life-Cycle Impact Reduction Option 3. Building and Material Reuse Credit: Building Product Disclosure and Optimization - EPDs Credit: Building Product Disclosure and Optimization - Sourcing of Raw Materials Credit: Building Product Disclosure and Optimization - Material Ingredients Pilot Credit: Legal Wood Pilot Credit: Material Ingredients Product Manufacturer Supply Chain Optimization Pilot Credit: Integrative Analysis of Building Materials Pilot Credit: Building Material Human Hazard & Exposure Assessment Pilot Credit: Certified Multi-attribute Products and Materials LEED v.4 EBOM Credit: Purchasing - Facility Maintenance and Renovation Credit: Purchasing - Ongoing</p>
			<p>ASHRAE/ICC/IES/USGBC 189.1 9 The Building's Impact on the Atmosphere, Materials, and Resources 9.4 Prescriptive Option 9.4.1 Reduced Impact Materials 9.4.1.1 Recycled Content and Salvaged Material Content 9.4.1.2 Regional Materials 9.4.1.3 Biobased Products 9.4.1.4 Multiple-Attribute Product Declaration or Certification (EPD, NSF/ANSI Standards, Product Life Cycle) 9.5 Performance Option 9.5.1 Life-Cycle Assessment (LCA)</p>

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