Purpose

The purpose of this document is to provide standards and guidelines to architects, engineers and contractors working for and with Lehigh University. The intent is to convey design, construction, maintainability and operational parameters, both standard and unique.

These standards are not intended to be used directly as contract specifications, but to provide guidance in terms of finishes, materials, equipment and methods that are of great importance to Lehigh University for the long-term maintainability and aesthetic of the campus and buildings. Consultants should conduct independent evaluations, consider beneficial alternatives, and discuss recommendations with LU Facilities Representatives and associated professional staff. Deviations from standards herein presented must be approved in writing by the LU Facilities Representative prior to implementation.

All standards presented are not universally applicable to every project. The standards represented herein are intended to represent preferred materials and systems that result in satisfying Lehigh University’s requirements.

Please note that this is intended to be an evolving document. As content is added or edited, design teams working on current projects will be notified by the LU Facilities Representative.
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Appendix: Other Guidelines, Standards and Policies
I. Division 00 Procurement and Contracting Requirements

Contact LU Facilities Representative for more information.

II. Division 1 – General Requirements

A. Sustainability

Lehigh’s building and land use philosophy is a nod to our legacy and our historical character, while also considering connectivity and environmental stewardship. Lehigh has established standards that require all new and existing campus construction be built to USGBC LEED Silver (or equivalent) Standards.

Refer to Lehigh’s Campus Sustainability Plan 2020. (See Appendix)

Additional information regarding sustainability is found throughout other sections of Lehigh’s Design Standards and Guidelines.

B. Standard Space Types

Below are a series of specific requirements for spaces typically programmed into facilities at Lehigh. These requirements are intended to highlight major points/elements and items relative to the design, performance and construction of these spaces. Specific project programming information may supplement these requirements. Additionally, spaces may exist in project programs that are not specifically addressed in these standards where supplemental program data may provide information for these spaces. These standards are to be used in guidance for design, construction, and performance of these spaces, and as general information for typical Lehigh University requirements.

C. Drawing and CAD Standards

Lehigh University has Drawing and CAD Standards. All drawings and CAD files are to follow these standards. (See Appendix)

Major capital projects are expected to use BIM, CAD, GIS. Standards for BIM Level of Design (LOD), deliverables, and otherwise will be established in project specific BIM execution plans.

D. Room Numbering Policy

Lehigh University has a Room Numbering Policy. All projects at Lehigh University are to follow this standard. (See Appendix)
E. Offices and Administrative Areas

1. Furniture
   a) Furniture and equipment layout are to be included in floor plans at Schematic Design Phase.
   b) At Design Development and Construction Documents Phases, provide separate floor plans for furniture and equipment. FFE plans should provide basic dimensional information and cut sheets for all recommended furniture and furnishings.
   c) Demonstrate ADA clearances in offices with furniture shown to scale in all phases.

2. Lighting
   a) Indirect lighting is preferred for artificial light.
   b) Standard color temperature for office and administrative spaces is 3500-4200 kelvin
   c) Refer to LU’s MEP Standards for specific light fixture information. (See Appendix)

3. Ceilings
   a) ACT ceiling and grid. Refer to Division 9 B. Ceiling Assemblies for additional information.
   b) No GWB ceilings in these areas unless required by historic or other exceptional circumstances

4. Flooring
   Carpet tile/plank and rubber cove base

5. Tele/data and power
   a) Show data and power locations on electrical and furniture plans
   b) Provide outlets on every wall of the office, as well as LAN ports on at least two walls.
   c) Each LAN port is to have two (2) network drops.

6. Acoustics
   a) Provide acoustical privacy in all offices of a minimum STC rating of 55.
   b) Preferable methods are through insulated walls and ceiling tiles / surfaces.
c) Insulated walls shall be to bottom of deck.
d) Consideration of measures of acoustical privacy relative to building systems shall be considered as well (i.e. HVAC provisions and other).

7. **A/V**

Audio-Visual Systems - Coordinate with LU Facilities Representative and LTS Department for system requirements and parameters within offices and administrative areas.

**F. Lobbies**

1. **General**

a) Lobbies should have direct access to toilet rooms that are visually screened.
b) Stairs should be visible from the lobby and identified with appropriate and required signage.
c) Passenger elevators should be convenient for the lobby and well signed for accessibility.
d) Provide a location for designated trash and recycling receptacles that is conveniently located within the typical path of travel to ensure visibility and use.
e) Elements that should be considered when designing lobbies: donor wall, seating, screened trash/recycling receptacles, data and power for lobby users, campus phone, upgraded finishes for appearance and durability, monitors for building information, specialty lighting, reception or security counter, natural lighting, display cases, bulletin boards, visibility and/or connectivity to circulation, and vehicle/bicycle parking.
f) Additional potential areas near the lobby: concession area and vending area.

2. **Lighting**

Refer to LU’s MEP Standards for specific light fixture information. *(See Appendix)*

3. **Ceilings**

a) ACT ceiling and grid. Refer to Division 9 B. Ceiling Assemblies for additional information.
b) No GWB ceilings in these areas unless required by historic or other exceptional circumstances
4. **Flooring**

   a) Main entries should have vestibules with space for walk-off carpet tiles (Tarkett Assertive Stria or similar).
   
   b) Walk off mats will be furnished and installed by Lehigh only as needed.
   
   c) Recessed, metal walk off mats are not preferred.
   
   d) Flooring should be hard, durable surface such as porcelain or ceramic tile, terrazzo, concrete (polished or sealed depending on location), or stone.

5. **Wayfinding**

   a) Provide building directories, wayfinding/directional signage, code required signage (exiting, accessibility, and other), and other building support signage as part of the basic services.
   
   b) Building directories should be dynamic electronic signage wherever possible for new construction and renovated facilities.
   
   c) See below for Lehigh’s signage standards.
   
   d) Provide a building directory in the main lobby and secondary entries as suitable.

G. **Classrooms / Academic Facilities (Computational/Dry Labs/Computer Labs and Similar Spaces)**

1. **General**

   a) Classrooms (Including Computational/Dry Labs/Computer Labs and similar spaces) may be unique and custom designed spaces to support the activities and teaching methods that occur within them. These spaces may have unique requirements accordingly, and special needs for fixed furniture, equipment, building services, audio-visual equipment, HVAC service/tolerances/redundancy, access control, and other features.
   
   b) Below are some general guidelines to support the requirements of these spaces that are subject to refinement, validation and further definition based on the specific function, requirements, and activities of a particular space.
2. **Accessibility**

Ensure federal and state accessibility standards are met in classrooms, so that they are functional, meet requirements, and are integrated into the design to not appear/act as supplementary to the overall design.

3. **Furniture**

a) Show furniture and equipment layout on floor plans at Schematic Design Phase.

b) At Design Development and Construction Documents Phases, provide separate floor plans for furniture and equipment. Demonstrate ADA clearances in offices with furniture shown to scale.

c) Classroom furniture, including built in desks and chairs, are typically contracted directly by Lehigh with a furniture vendor.

4. **Lighting**

Refer to LU’s MEP Standards for specific light fixture information. *(See Appendix)*

5. **Ceilings**

a) ACT ceiling and grid. Refer to Division 9 B. Ceiling Assemblies for additional information.

b) No GWB ceilings in these areas unless required by historic or other exceptional circumstances

6. **Flooring**

a) Sloped or tiered floors in classrooms may need to be provided where size and configuration requires a sloped floor for sightlines and classroom function (i.e. typically over 50 students; subject to program verification). Sloped or tiered floors should be constructed as platforms and not concrete to allow for future modification.

b) Ceiling configuration needs to be considered to work with floor configuration and support classroom and classroom systems functions (i.e. A/V systems, lighting, acoustics, service access, surface treatment, and other considerations for function).

c) Flooring to be carpet tile/plank with rubber cove base.
7. **A/V**

a) Coordinate with LU Facilities Representative and LTS Department for system requirements and parameters. Typical systems can include: visual systems/projection, audio systems, lecterns, and other considerations to support classroom use.

b) Audio-visual systems and their performance are to be coordinated with building services, acoustical, lighting, window treatments and other systems.

c) Program budget to determine if systems and equipment are purchased and installed by project or purchased by the Department and installed by the project or to be purchased at a later time.

H. **Wet Labs (Including Research, Teaching and other Wet Labs and Associated Spaces)**

1. **General**

a) Lehigh has a desire to deploy open lab and shared lab concepts wherever practical to allow for maximum flexibility and use of the space.

b) At the earliest stage of design, a formal equipment list is required from the PM that identifies all equipment (by make and model) that will be installed or operated in the lab. This will inform the design and layout of the space for all disciplines and systems.

c) Wet Labs may be unique and custom designed to support the activities and research that occur within. It is typical that wet labs will have unique requirements accordingly, and special needs for fixed furniture, equipment, building services (i.e. power, water, RO/DI water, data, gas, compressed air, vacuum and other services), shielding, vibration tolerances, EMI resistance/levels, HVAC service/tolerances/redundancy, access control, structural requirements and other features. Below are some general guidelines to support the requirements of wet labs that are subject to refinement, validation, and further definition based on the specific function, requirements and activities of a particular wet lab. **Contact LU Facilities Representative for Planning Guidelines for Lehigh University Research Laboratories.**
2. **Furniture**

   a) Provide fixed furniture and equipment (lab benches, shelving/cabinets, carriers and other fixed systems) in labs and coordinate with end user program and building services (i.e. power, water, RO/DI water, data, gas, compressed air, vacuum, and other services) to provide all required building services in a modular and regular manner (i.e. 3' on center, 6' on center, other).
   
   b) Loose Furniture: Provide washable and chemical/stain resistant fabrics and finishes for all furniture within wet lab spaces.
   
   c) Lockable storage in furniture, equipment, and built-in casework should be provided based on the user needs.
   
   d) Chem tops are to be through body material where necessary.

3. **Ceilings**

   a) ACT ceiling and grid. Refer to Division 9 B. Ceiling Assemblies for additional information.
   
   b) No GWB ceilings in these areas unless required by historic or other exceptional circumstances.
   
   c) Special/upgraded finishes to address chemical, static, microbial or other resistance, as required based on program, use, and equipment requirements, should be discussed with the LU Facilities Representative. Armstrong Ultima Health Zone or USG equivalent is basis of design in these areas.

4. **Flooring**

   Seamless surface, chemical, static, microbial or other resistance, as required based on program, use, and equipment requirements.

5. **Walls**

   Paint - Semi-gloss, min. Special/upgraded finishes to address chemical, static, microbial or other resistance, shielding requirements, or other as required based on program, use, and equipment requirements.

6. **Building Services**

   Provide all building services (HVAC, power, water, RO/DI water, data, gas, compressed air, vacuum, and other services) to support space use and to support equipment to be used in the space. See LU’s MEP Standards for additional information on building services.
7. **Shielding**

As required, provide shielding from electrical interference (EMI, RF and other types) or to contain any radioactivity or other items/activities requiring containment in the space (e.g. shielded walls), to support the operational requirements of equipment and activities in wet labs.

8. **EH&S**

a) Laboratory design and layout shall be reviewed by and receive approval from Environmental Health and Safety.

b) Management and disposal of biohazards must be addressed, per the requirements of the operations needs of clinical facilities.

c) Provide analysis of and provision for any chemical storage and use provisions (fire separations/ratings, control areas, maximum allowable chemical storage, etc.)

d) Provide for and coordinate all lab safety provisions and requirements.

e) Provide eye-wash, emergency shower and other safety equipment in clinical areas where chemicals, fluids, pathogen carrying materials or other such items or activities warrant safety equipment and provisions.

I. **LTS (Telecom) Closets**

Lehigh’s LTS department is to be engaged at the early stages of all projects to ensure exchange and integration of most current requirements and preferences. LTS (Telecom) rooms are separate rooms from electrical rooms / spaces.

Refer to *LU’s Communications Infrastructure Standards* for more information about LTS Closet requirements. *(See Appendix)*

J. **Restrooms**

1. **General**

a) In addition to all public restrooms required by code, each Lehigh facility shall include (whenever possible as part of a major renovation/expansion and required in new facilities), at least (1) one gender inclusive restroom per floor. These rooms shall comply with all applicable codes and standards for a single occupancy public restroom.

b) Sight lines should screen the toilet room interior from public view.
c) Provide at least one (1) floor drain per toilet room and slope the floor to the drain.

d) Layouts should ideally locate trash cans adjacent to restroom exit to allow for hygienic disposal of paper towels.

e) Single occupant restrooms should provide occupancy indicator as part of door hardware.

2. **Lighting**

a) A continuous recessed or wall mounted light fixture at the back wall of the stalls and over the mirrored wall of the sink area is preferred. Coordinate access and service provisions with the LU Facilities Representative for ease of access.

b) Lighting shall be carefully considered in toilet and restrooms to provide minimum required lighting levels per code and to be functional. Lighting shall also be specified and located for ease of access and maintenance.

3. **Ceilings**

a) ACT ceiling and grid. Refer to Division 9 B. Ceiling Assemblies for additional information.

b) No GWB ceilings in restrooms.

4. **Flooring**

a) Floors to be of a durable material; easy to maintain, such as through-body porcelain tile, sealed concrete or epoxy.

b) If tile floors are used, epoxy grout is preferred.

c) Medium to dark grey grout is preferred, white or light colors will not be accepted on floors.

5. **Walls**

a) Walls and wall base to be of a durable material, such as porcelain or ceramic tile, concrete, or epoxy, to coordinate with wall and floor finishes. Epoxy grout and larger format tiles for walls are preferred.

b) Wet walls (behind sinks, toilets, urinals) are required to be full height tile.

c) Bullnose (finished edge), Schluter or equivalent metal trim shall be used to prevent unfinished exposed edges of tile at all locations for ease of cleaning.

d) Cove tile base is preferred for ease of cleaning.
6. **Toilet partitions**
   a) Toilet partitions are to be floor mounted, made of solid 1” minimum high-density polyethylene (HDPE) with continuous plastic wall brackets, stainless steel shoes and latch strike hardware.
   b) Lehigh has determined that the quality level provided by Santana Products or approved equal are acceptable.
   c) No metal, phenolic resin or painted metal partitions should be specified.

7. **Counters**
   Countertop material to be solid surface or durable stone surface for long term ease of maintenance.

8. **Showers** - *Shower stall is the wet area for showering. Changing room is the area outside the shower stall. Shower room is the entire area outside the shower stall.*
   a) Shower Room ceilings (spaces outside of the shower stall) are to be Armstrong Ultima Health Zone (basis of design) or USG equivalent.
   b) Shower ceilings within the shower stall are to be hard ceiling, such as large format tile or solid surface.
   c) Shower walls are to be solid surface or a pre-fab shower enclosure can be used.
   d) Shower room designs should include a separate, private changing area.
   e) Shower rooms should include floor to ceiling partitions and doors to the changing area, with no gaps.
   f) Shower stalls are to have a shower rod and shower curtain.

9. **Toilet room accessories**
   a) The following toilet accessories will be provided and installed by Lehigh University:
      i. Toilet paper dispensers
      ii. Soap dispensers (wall mounted, foam soap)
      iii. Feminine product dispensers (free)
      iv. In-stall trash receptacles
      v. Free standing trash receptacles (not built-in, wall mounted or under counter). Locate near door.
      vi. Paper towel dispensers (powered - power is to be provided by the contractor)
b) The design team is to plan and coordinate blocking and other related requirements for these accessories in all designs, including mounting heights.

c) The following toilet accessories shall be designed, provided and installed by the design team and contractor:
   i. Grab bars
   ii. Mirrors
   iii. Drinking fountains: Wall mounted electric water cooler type, with bottle filler, should be in the proximity of the toilet rooms.

K. Mother’s Rooms

1. Lehigh University has both a federal and ethical responsibility to provide lactation spaces for nursing mothers returning to work, students returning to course work, and visitors to campus. Refer to the Center for Gender Equity for additional requirements for Mother’s Rooms. *(See Appendix)*

2. All Mother’s Rooms should include:
   a) Locking door with occupancy indicator
   b) Signage and labeling as required by the Center for Gender Equity
   c) Chair and small table (furnished and installed by Lehigh)
   d) Sink with countertop and base cabinet
   e) Mirror over sink
   f) Paper towel dispenser
   g) Outlets near the chair and to support a mini-fridge

L. Kitchenettes

1. Kitchenettes are to be planned within new buildings and renovations as appropriate per the building program. In some cases, there could be more than one (1) Kitchenette per floor.

2. Kitchenettes are to include small sink, full refrigerator and countertop microwave. Counters are to be solid surface. Upper cabinets or open shelves are allowed.

3. Kitchenettes are not to have dishwashers, stoves, ovens or ice makers.
M. Storage Spaces / Rooms

1. Storage spaces shall have sealed concrete or resilient flooring unless an alternate flooring material is approved by the LU Facilities Representative.

2. Storage rooms may have special requirements based on the contents to be stored in the room (i.e. security, temperature/humidity control, venting, etc.). Coordinate any special requirements with the LU Facilities Representative.

3. Provide built-in storage items (i.e. casework, shelving, others) per LU Facilities Representative and Department program requirements.

4. Space shall be provided in all major renovations and new construction for the storage of attic stock materials. This space shall have shelving installed as part of the project. As-built drawings and O&M’s will also be stored in this space. Attic stock requirements are to be reviewed during each design phase with LU Facilities Representatives.

N. Custodial Closets

1. Provide minimum one per floor.

2. Custodial closets shall be separate spaces not intended for joint use or any other purpose.

3. Custodial closets shall be directly accessible from a corridor or service hallway and not be accessed through intermediary spaces (restrooms, electrical rooms, others) unless approved by Lehigh University.

4. Custodial closets should have a floor mounted mop sink and faucet with hot and cold water, as well as a mop rack.

5. Each building should have either shelving in the custodial closets for supplies (toilet paper, paper towels, soap, etc.) or there should be a separate storage room with shelving for custodial supplies for the building.

O. Mechanical Spaces / Rooms

1. Mechanical spaces shall have the floor painted with a two-part urethane epoxy.

2. Mechanical spaces shall be separate spaces not intended for joint use or any other purpose. Co-location of any non-mechanical equipment (custodial, electrical, data/telecommunications, facility/other storage, etc.) is not acceptable.

3. Mechanical spaces shall be directly accessible from a corridor or service hallway. In some instances, mechanical spaces may be accessed through doors to the exterior or service yards. This shall be coordinated with the LU Facilities Representative.
4. Building HVAC controls should be located in these spaces, and not the electrical rooms or LTS (telecom) rooms.
5. All mechanical equipment is to be located in mechanical rooms. No mechanical equipment shall be located in rooms not specifically designated as mechanical rooms (i.e. storage areas and other areas).

P. **Electrical Spaces / Rooms**

1. Electrical spaces shall be separate spaces not intended for joint use or any other purpose. Co-location of any non-electrical equipment (custodial, mechanical, data/telecommunications, facility/other storage, etc.) is not acceptable.
2. Electrical spaces shall be directly accessible from a corridor or service hallway.
3. Electrical spaces shall not be accessed through intermediary spaces (restrooms, mechanical rooms, others) unless approved by Lehigh University. In some instances, electrical spaces are preferable to be accessed through doors to the exterior or service yards. This shall be coordinated with the LU Facilities Representative.

III. **Division 2 – Existing Conditions**

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IV. **Division 3 – Concrete**

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V. **Division 4 – Masonry**

A. **Unit Masonry**

1. Brick type is to be determined on a case-by-case basis.
2. Provide cavity walls for exterior masonry walls. CMU back-up is preferred but light-gauge steel framing is acceptable.
3. Anchors and ties shall be stainless steel.
4. Through-wall flashing to be stainless steel, copper, or zinc-coated copper.
5. Refer to Brick Institute of America (BIA) technical standards.
VI. Division 5 – Metals

A. Exterior Handrails

Exterior handrails are to be stainless steel. All fasteners must be resistant to salt used during the winter months. Vertical mounting of posts preferred to horizontal to mitigate corrosion.

B. Interior Handrails

1. Ladders with Handrails shall be simply designed and constructed of stainless-steel tube 304 or 316, or brushed stainless steel, preferably non-painted.
2. Should conditions warrant a coated handrail, factory powder coating shall be specified.

C. Metal Ladders

1. All ladder access to roofs must be interior ladders.
2. Stair access to the roof is preferable to ladder access, especially in new construction and when there is equipment on the roof.
3. All ladders are to be ANSI rated; Grade 1, Type IAA, 375 pounds special duty.
4. Alternating tread stairs are prohibited.
5. Ship ladders are prohibited.
6. If ladders are within publicly accessible areas, they should be secured by cage and lock, or similar precautions.

VII. Division 6 – Wood, Plastics, Composites

A. Millwork and Casework

1. Solid surface under-mount sinks are preferred in public spaces, while stainless steel drop-in bowls are acceptable in utilitarian spaces. Type and size shall be reviewed with the LU Facilities Representative to ensure programmatic needs are met.
2. Built-in reception desks will only be allowed if essential to the program.
3. Millwork and pulls shall be reviewed with the LU Facilities Representative throughout the design process.
4. Shaped legs are preferred under any counter where a knee space is designed below.
5. Laminate countertops and wood edging will not be accepted at areas containing sinks.
6. For light-colored laminate, brown edge shall not be visible
7. All millwork and casework should be minimum AWI “Custom” grade. Select projects may consider “Premium” grade.

VIII. Division 7– Thermal & Moisture Protection

A. Exterior Walls

Performance: New exterior walls must meet requirements of ASHRAE 90.1. Minimum assembly R-Value 22 or better.

Excluded Materials:
- EIFS (Exterior Finish and Insulation System) or similar materials.
- Vinyl or Aluminum siding
- Stucco
- Face-Fastened rainscreen cladding system

B. Roofing

1. PVC roof system is standard for all low-slope roofs. Any modifications/alternatives/substitutions of other PVC roof systems must be approved by owner.

2. PVC materials must meet or exceed ASTM D4434 or D6754 and all standards included therein. These standards cover flexible sheets made from poly vinyl chloride resin, plasticizers, reinforcing fibers and weather packages. PVC Sheet must meet ASTM D4434 Classification Type III or Type IV.

3. To make seams and repairs, the sheet shall be capable of being bonded watertight to itself during the design service life of the sheets. The manufacturer shall recommend a suitable method. Design Service life is defined as the designated time period of intended system performance. The thickness tolerance shall be +/- 10% on the overall thickness. The sheet shall have a minimum coating or laminate thickness of 0.40 mm [0.016 in.] above the cross points of any fabric or fiber and the surface exposed to the weather (not required in D6754). The sheet and any factory seams shall be watertight and visually free of pinholes, particles of foreign matter, undispersed raw material, protruding fibers or reinforcement, or other manufacturing defects that might affect serviceability.

4. The manufacturer shall inspect and test their product to ensure compliance of the product with these ASTM standards.

5. The sheet shall be identified on the side intended to be exposed to the weather with its ASTM designation, the name of the manufacturer or supplier, or PVC. Such identification shall occur at intervals not to exceed 3 m [9.84 ft] in the long direction. The identification shall be applied in such a manner as to be legible five years from installation.
6. Requests for use of a non-PVC roof on any project is to be approved in writing by the LU Facilities Representative.
7. All roofing system designs are to be in compliance with FM Global requirements. FM Global will review all roofing system designs.
8. All roof opening shall be compliant with applicable OSHA regulations for floor and roof openings.
9. Walk pads are to be provided for access to rooftop equipment. Sika brand Crossgrip open grid walking mat is standard. Any substitute mats must be approved prior by LU Facilities.

C. Waterproofing

Sheet-applied below-grade waterproofing is required for foundation walls and footings. Membrane to be protected with drainage board and insulation. Insulation to be R value 10 minimum, extending from 2" below landscape to top of footing.

IX. Division 8 – Openings Doors & Frames

A. Interior

1. Interior doors may be solid core wood, aluminum, or hollow metal. Doors are to be fire rated as required. Full glass doors may be used in select circumstances.
2. Interior doors need to be designed to accommodate Lehigh’s access control system (card readers, etc.). Magnetic strikes are not acceptable. Double doors require a removable astragal for security reasons.
3. All rooms in which staff and faculty occupy for conducting University business (office, conference rooms, classrooms, etc.) must have a door with vision lites or a sidelite. The size of the vision lite or sidelite shall be determined by the design team. Please consider signage and room scheduling device locations when designing sidelites.
4. Lehigh prefers that signage not be installed on glass.
5. It is preferred that any frosted interior glass be applied film (not manufactured as frosted glass).
6. Interior hollow-metal steel frames are to be fully welded. Knock-down frames are not acceptable.
7. Frame finish shall be standard color/finish, not custom.

B. Exterior

1. Exterior doors are to be of a durable material such as aluminum or hollow metal steel. Wood exterior doors may be considered in certain locations, with approval from the LU Facilities Representative.
2. Exterior doors need to be designed to accommodate Lehigh’s access control system (card readers, etc.). Magnetic strikes are not acceptable. Double doors require a removable astragal for security reasons.

3. Automatic door openers are to be designed and installed per ADA requirements, for exterior doors. Operators should be building mounted unless not feasible, in which case bollard mounted is acceptable. Refer to *Lehigh University’s Access Control and Door Hardware Standards* for hardware requirements. (See Appendix).

4. Windows:
   a. Operable Windows are limited to individual offices, residential spaces, as approved by LU Facilities representatives.
   b. Historic windows should be replaced in a manner best suited to maintaining the character of the original windows. Window material to be reviewed with LU Facilities representative.
   c. Exterior glazing provide double pane IGU with Low-E coating
   d. Glazing system U-Value .45 minimum or better

C. **Fire Department Knox (key) Box**

The City of Bethlehem requires a Knox box at the main entrance of all new buildings and major building renovations on campus. The location of the Knox box/es is to be reviewed and coordinated with the Bethlehem Fire Department and the LU Facilities Representative. Knox boxes are ordered from [www.knoxbox.com](http://www.knoxbox.com). Once on the website, type in ‘Bethlehem Fire Department’ and the correct Knox boxes will come up for purchase.

D. **Hardware and Access Control**

1. See also Division 28 Electronic Safety and Security.
2. *Lehigh University’s Access Control and Door Hardware Standards*, which are written, maintained and reviewed by Lehigh’s IDEAL Office, are to be requested from the LU Facilities Representative.
3. Johnson Controls is Lehigh’s preferred access control vendor. Lehigh typically works directly with Johnson Controls for procurement and installation of access control systems.
4. Electrical contractors on new projects or renovations are responsible for furnishing and installing pathways from electrical or telecom rooms to each door requiring access control.
5. Design team meetings with the IDEAL office will be set up by the LU Facilities Representative during the design phases of projects.
E. Windows

1. Operable Window Policy
   a) Lehigh has an Operable Window Policy, which limits the use of operable windows on campus. Operable windows are limited to individual offices or residential spaces. Exceptions may be made in historic buildings. (See Appendix)
   b) Design teams for renovation or new construction should consult with the LU Facilities Representative regarding acceptable locations for operable windows.

F. Skylights

Skylights are not preferred. Design teams for renovation or new construction should consult with the LU Facilities Representative if there is a desire to include skylights.

X. Division 9 – Finishes

A. Partitions

1. Non-load Bearing Concrete Masonry Unit Partitions

   Where practical, CMU should also be considered for acoustically sensitive, high abuse, high traffic, and wet locations. Typical locations might include restrooms and locker rooms, emergency egress stairwells, loading areas, and mechanical rooms.

2. Filled/Polished CMU assemblies

   “Trenwyth Plus” type CMU or equivalent can be used in locations of high traffic public areas such as visible mechanical spaces, egress stairs and corridors, and work spaces, as determined by the design team and with approval from the LU Facilities Representative.

3. GWB Partitions

   GWB partitions are to be appropriately specified by the design team per location, such as fire rated walls, bathrooms, etc. Abuse-resistant GWB should be considered in high-use locations such as stairwells and corridors and other locations as determined appropriate by design team and agreed upon by the LU Facilities Representative.
4. **Specialty Partitions**

Movable partitions are discouraged and will only be allowed with written permission from the LU Facilities Representative. If movable partitions are required, Skyfold or similar is basis of design.

5. **Finishes**

   a) Refer to Gypsum Association’s GA-214-96 for definition of the five levels of drywall finishing. Provide Level 1 finish for all concealed areas, including ceiling plenums.
   
   b) Provide Level 4 finish for surfaces scheduled for wall-coverings, flat paints, and surfaces that will be exposed to view unless determined to be Level 5.
   
   c) Provide Level 5 finish for surfaces with gloss or semi-gloss surfaces, or for large surfaces flooded with natural or artificial light, or surfaces exposed to raking light.

6. **Framing**

   a) Steel framing for Wall and Partitions should meet ASTM C625
   b) All studs shall extend to underside of structural deck
   c) Provide deflection head tracks at all non-rated partitions
   d) Provide UL 2709 compliant head tracks at all rated partitions
   e) Provide blocking and grounds as needed for casework, railings, equipment, fixtures, and other mounted elements and restrooms

7. **Acoustic Treatment**

   a) Unless otherwise indicated, partitions are to be considered full-height at program spaces (offices and conference rooms), corridors, restrooms, and stairwells.
   
   b) Provide acoustic sealant between partition and slab/deck at all full-height partitions.
   
   c) Provide acoustic insulation at program spaces (offices and conference rooms), corridors, and restrooms.

B. **Ceiling Assemblies**

1. For renovations, coordinate with the LU Facilities Representative or Building Manager to specify the type of ceiling assembly already in use in the building to ensure continuity.
2. Introduce new material only with written permission from the LU Facilities Representative. Deviations from these products must be approved in writing by the LU Facilities Representative.

3. Refer to the Standard Space Types (Section II.B) at the beginning of these standards for additional information regarding ceiling assemblies. See sections below for specific product information.

4. **Plaster and Gypsum Board Ceilings**

   Sheetrock, plaster, and splined ceilings are generally discouraged due to lack of access to plenum space. However, GWB ceilings may be used in select spaces, such as for edge conditions and soffits and as deemed appropriate by the LU Facilities Representative. Restrooms are to receive ACT ceilings, no GWB.

5. **Acoustic Ceiling Treatment**

   2x2 ACT is preferred. No ACT larger than 2x4 will be allowed without permission of LU Facilities Representative.

   Standard grid and tile for all office, classroom, and other public spaces:
   - Armstrong Interlude 9/16 XL HRC or equal
   - Armstrong 2x2 Ultima beveled tegular tile or USG equivalent
   - VE tile option: Armstrong Canyon beveled tegular or USG equivalent

   Standard and tile for all damp and wet labs, and shower rooms (not in shower stalls):
   - Armstrong Interlude 9/16 XL HRC or equal
   - Armstrong Ultima Health Zone beveled tegular or USG equivalent

   Standard grid and tile for kitchens:
   - Armstrong Ultima Health Zone flat lay in or USG equivalent as required by code.

6. **Specialty Ceilings**

   a) For areas such as main vestibules or double height spaces, alternate ceiling types may be considered. Some examples of approved alternate ceilings are: Wood slat (Rulon or equal),
metal, acoustic clouds, unfinished ceilings with a K-13 or similar finish, wood acoustic ceiling tiles.

b) All specialty ceilings must conform to Lehigh’s requirement of maximum tile size of 2’x4’.

c) Specialty ceilings must allow easy access to the space above by a single technician. Clips and concealed suspension systems are not preferred.

d) Fabric ceilings are not permitted.

7. **Paint and Coatings**

Sherwin-Williams products are preferred at Lehigh, even if a color from another manufacturer is selected. Substitutions will be considered if demonstrated to be of equivalent performance. Whiteboard paint is not allowed.

**Specifier Notes:**

a) Primer can be eliminated on most previously painted substrates in sound condition.

b) Replace specified primer with **Extreme Bond Primer** for unknown paints on existing surfaces and old semi-gloss and glossy, hard-to-paint surfaces.

c) For occupied spaces requiring odor elimination and reduction of formaldehyde, replace ProMar 200 with **Harmony Latex Paint**, flat, eggshell or semi-gloss.

d) If a product that can kill bacteria on a surface within 2 hours of exposure is required, review with LU Facilities Representative.

e) Clean Room and Lab spaces: If sterilization cleaners are used, or if there is heavy moisture and chemical resistance requirements, review with LU Facilities Representative.

8. **Interior Paint Schedule**

Ceilings and soffits: flat finish
Walls: eggshell finish
Trim: satin finish

a) Masonry and Concrete – ceilings and soffits - flat finish
   - Primer: Loxon Concrete and Masonry Primer
   - 2 finish coats: ProMar 200 Zero VOC flat

b) Masonry and Concrete – eggshell finish
   - Primer: Loxon Concrete and Masonry Primer
- 2 finish coats: ProMar 200 Zero VOC eggshell

c) CMU – eggshell finish
- Filler: PrepRite Block Filler
- 2 finish coats: ProMar 200 Zero VOC eggshell

d) Gypsum – ceilings and soffits - flat finish
- Primer: ProMar Ceiling Paint flat
- Finish coat: ProMar Ceiling Paint flat

e) Gypsum – eggshell finish
- Primer: ProMar 200 Zero Primer
- 2 finish coats: ProMar 200 Zero VOC eggshell

f) Moisture and Impact Resistant Gypsum – eggshell finish
- Primer: Multi-Purpose Water Based Acrylic-Alkyd Primer – No Substitutions
- 2 finish coats: ProMar 200 Zero VOC eggshell

g) Moisture and Impact Resistant Gypsum – Pre-Catalyzed EPOXY (** select eggshell finish or semi-gloss finish) Light commercial, Dry Laboratories and Rest Rooms eggshell finish
- Primer: Multi-Purpose Water Based Acrylic-Alkyd Primer – No Substitutions
- 2 finish coats: ProIndustrial Pre-Catalyzed Water-Based Epoxy
  ** select finish – eggshell or semi-gloss

h) Wood - painted – eggshell finish
- Primer: ProMar 200 Zero VOC Primer
- 2 finish coats: Solo 100% Acrylic Latex, semi-gloss

i) Wood – stained finish
- Stain: Minwax Performance Series Wood Stain 250 VOC
- 2 finish coats: Min-Wax Fast Drying Polyurethane (gloss, semi-gloss, or satin)
j) Ferrous Metal and Non-Ferrous Metal – Doors, Frames, Stair components and miscellaneous metals including elevator frames and doors

- Primer: ProIndustrial Pro-Cryl Universal Primer
- 2 finish coats: ProIndustrial WB Alkyd Urethane Enamel, B53 series
  ** select finish – low sheen or semi-gloss

k) Pre-Catalyzed EPOXY (eggshell finish or semi-gloss finish)

- Primer: TBD
- 2 finish coats: ProIndustrial Pre-Catalyzed Water-Based Epoxy
  ** select finish – eggshell or semi-gloss

l) Concrete Floors – (pigmented)

- 2 finish coats: ArmorSeal 8100 WB Epoxy coating

m) Concrete Floors – (clear sealer)

- 2 finish coats: GP 3477 Epoxy Water Emulsion Sealer

n) Exposed Ceilings

- Primer (Ferrous and Non-Ferrous Metal): ProIndustrial Pro-cryl Universal Primer
- 2 coats: Low VOC Waterborne Acrylic Dryfall, Flat B42-W00081
  OR:
  Low VOC Waterborne Acrylic Dryfall, Eggshell B42-W00082

9. **Color Palette**

Design team is to request color palette from LU Facilities Representative for consistency on campus.

10. **Tile**

Through-body porcelain tile shall be used for floor uses. If tile floors are used, epoxy grout is preferred. Medium to dark grey grout is preferred, white or light colors will not be accepted on floors.
11. **Resilient Flooring**

No wax products such as LVT are preferred over BBT and VCT. 20 mil wear layer minimum, 30 mil preferred for LVT. Minimal transition strips preferred. Coordinate selections and locations with LU Facilities Representative.

12. **Resilient Base**

Type TS rubber cove, coil

**XI. Division 10 – Specialties**

**A. Whiteboards**

Whiteboards are typically to be included as part of the furniture package, which is procured by Lehigh. Contractor is responsible for wall blocking for whiteboards, as indicated on the drawings. Whiteboard installation is also typically part of the furniture installation, procured by Lehigh.

Whiteboard standard is Quartet Infinity Glass magnetic marker board with standoffs, white surface or equal. Sizes range depending on location and user preference. Sizes and locations to be reviewed by LU Facilities Representative.

**B. Tackboards**

Tackboards are typically to be included as part of the base building, and not procured by Lehigh. Contractor is responsible for wall blocking for whiteboards, as indicated on the drawings. Forbo bulletin board is preferred, mounted to Masonite backer, with finished Schluter or similar edge, and mounted on clips. Sizes, colors and locations to be reviewed by LU Facilities Representative.

**C. Signage**

1. **Exterior Signage and Wayfinding**

Refer to current exterior Wayfinding and Signage Manual (to be included on all new buildings and large-scale renovation projects). Locations for Exterior Signage and Wayfinding are to be coordinated with the LU Facilities Representative. *(See Appendix)*

2. **Exterior Building Signage**

Refer to current exterior Wayfinding and Signage Manual (to be included on all new buildings and large-scale renovation projects).
Locations for building signage are to be coordinated with the LU Facilities Representative and Lehigh’s Office of Development and Alumni Relations, as appropriate. *(See Appendix)*

3. **Interior Signage**

Refer to Interior Signage Standards. Coordinate interior wayfinding signage with LU Facilities Representative. *(See Appendix)*

4. **Donor plaques**

Donor recognition signage design is to be coordinated with Lehigh’s Office of Development and Alumni Relations, with coordination of the LU Facilities Representative and the design team.

XII. **Division 11 – Equipment**

A. **Special Equipment**

For projects requiring special equipment, the design team is to collaborate with the LU Facilities Representative and the end users for standard equipment and vendors. This includes, but is not limited to, food service equipment, fitness equipment, lab equipment, and trash/recycling equipment.

B. **Interior Trash and Recycling**

*Contact LU Facilities Representative for more information.*

XIII. **Division 12 – Furnishings**

A. **Furniture**

1. Lehigh is in the process of compiling furniture standards and guidelines.
2. All furniture is to be reviewed and approved by Lehigh’s Planning Department. While furniture is typically contracted directly by Lehigh University, coordination is required with the design team, AV consultant and integrator, and contractors for power and data.
3. Fixed seating is also typically contracted directly by Lehigh, but needs to be coordinated and planned by the design team.

B. **Window Treatments**

Basis of design is as follows, to be reviewed by LU Facilities Representative on per project and per location basis:
Manufacturer - Draper
Clutch Operated FlexShade
Fabric Series: SW2700
Color: P-28 Oyster/Charcoal 3% open
Fascia Color: Charcoal Bronze

Coordinate room darkening/black out shades with A/V as required by program and review with LU Facilities Representative.

XIV. Division 13 – Special Construction

*Intentionally left blank.*

XV. Division 14 – Conveying Systems

A. Elevators

1. Design team is to work with LU Facilities Representative and Lehigh’s Elevator Consultant for design and selection of elevators.
2. Walls around elevators should be finished in a hard, durable surface. The surface should be cleanable, stain resistant, and able to withstand impact from equipment.
3. Elevator doors should be stainless steel.
4. Floors shall be rubber with a non-skid raised pattern in service or exterior elevators (i.e. garages) or upgraded flooring (i.e. terrazzo tile, ceramic tile, other materials) in all other elevators. Interior cabs shall be of metal, solid surface, or other durable and high-quality finishes that will discourage and hide vandalism and provide an attractive elevator cab finish.
5. Elevator ceiling shall be finished with vandal resistant coating
6. Elevator controllers and door operators shall not be proprietary.
7. Elevator equipment rooms, in addition to meeting all code requirements, shall have access to allow for equipment and technicians to reasonably service room and its equipment. Access to room shall be direct and shall be located in a discrete fashion to not appear as a publicly accessible room. Co-location of any non-elevator equipment (mechanical, electrical, data/telecommunications, facility/other storage, etc.) is not acceptable.
8. Elevators may require access control (card readers), either for elevator access (outside the elevator) or for specific floor access (inside the elevator). Coordinate requirements with Lehigh University.
9. All elevators are to have phones programmed to call Lehigh University Police Department (coordinate with LU LTS).
10. Coordinate requirements for elevator equipment rooms. This may include location, access off service corridors (similar to other service spaces), proximity to elevator chase, building service requirements (power, data, telephone, HVAC/venting, other items), and other considerations.

B. **Vertical Wheelchair Lifts**

Design team is to work with LU Facilities Representative and Lehigh’s Elevator Consultant for selection and use of vertical wheelchair lifts.

XVI. **Division 21 – Fire Suppression**

*Refer to Lehigh University’s MEP Standards. (See Appendix)*

XVII. **Division 22 – Plumbing**

*Refer to Lehigh University’s MEP Standards. (See Appendix)*

XVIII. **Division 23 – Heating Ventilating and Air Conditioning**

*Refer to Lehigh University’s MEP Standards. (See Appendix)*

XIX. **Division 25 – Integrated Automation**

A. *Refer to Lehigh University’s MEP Standards. (See Appendix)*

B. Siemens is Lehigh’s preferred controls contractor (integrated automation, although there are existing Honeywell systems on campus, as well.)

XX. **Division 26 – Electrical**

*Refer to Lehigh University’s MEP Standards. (See Appendix)*

XXI. **Division 27 – Communications**

A. *Refer to LU’s Communications Infrastructure Standards 2019. (See Appendix)*

B. **Emergency Phones (Blue Lights)**

*Contact LU Facilities Representative for more information*
XXII. Division 28 – Electronic Safety and Security

A. *Lehigh University’s Access Control and Door Hardware Standards*, which are written, maintained and reviewed by Lehigh’s IDEAL Office, are to be requested from the LU Facilities Representative.

B. Johnson Controls is Lehigh’s preferred access control vendor. Lehigh typically works directly with Johnson Controls for procurement and installation of access control systems. Electrical contractors on new projects or renovations are responsible for furnishing and installing pathways from electrical or telecom rooms to each door requiring access control.

C. Design team meetings with the IDEAL office will be set up by the LU Facilities Representative during the design phases of projects.

XXIII. Division 31 – Earthwork

A. **Site Planning Standards**

See Appendix for *Drawing Requirements for Land Surveys* and *Land Surveying Requirements*.

B. **Soil Disturbance or Excavation Restoration Specification**

Upon disturbing or excavating the soil on Lehigh University property the following procedures must be followed upon completion of project.

1. **Seeded Areas**

   a) Excavation should be completely backfilled and compacted to bring to grade with surrounding undisturbed ground.

   b) When backfilled, if additional soil is needed to bring the excavation to grade, the soil will be supplied by contractor, and compacted to prevent settling.

   c) Soil surface shall be raked smooth and level. All rocks shall be removed from top one-inch of soil to create suitable seed bed for grass seed.

   d) Perennial Rye (sun applications) or Turf Type Tall Fescue (shady applications) grass seed, unless otherwise specified prior to excavation, shall be applied to prepared soil at a rate of 8 lbs. per 1000 sq. ft. Annual Rye grass is not acceptable in any case.

   e) Erosion control shall be used to ensure soil and seed stay intact through the germination period of the seed. *Time table for this varies with soil temperature.*

   f) Initial watering of seed is required by installer. Apply enough water to seed bed to keep grass seed moist for a period of 24
hours. Additional water should be applied by the installer daily for one (1) week if no rain is expected each day.

2. **Sodded Areas**

   a) Soil preparation will be the same as stated above for seeded areas.
   b) Sod will be a Turf Type Tall Fescue unless otherwise stated. Suppliers will be provided upon request.
   c) When installed, sod will match the existing grade of surrounding area.
   d) All pieces of sod will be placed tightly together to prevent drying out of edges and creating tripping hazards.
   e) Sod shall be watered by the installer for seven (7) consecutive days with enough water to properly saturate the roots and native soil. If sod dries out and yellows, this will be considered negligence, and sod replacement will be required, at no cost to Lehigh.
   f) *Sod or seed installation will be inspected by a Lehigh University representative. Lehigh University reserves the right to withhold payment until above requirements are satisfied.

**XXIV. Division 32 – Exterior Improvements**

A. **Campus Open Space**

   Seating shall be an integral part of open space design and may take the form of built-in seats or ledges or site seating. Any loose seating shall become part of the FF&E package for all projects, where applicable.

B. **Site Furnishings and Fixtures - Materials/Vendors**

   1. Site furnishings shall include Lehigh University approved seating, tables, trash and recycling receptacles, bicycle racks, signage posts, and others as dictated by site location and building program.
   2. Locations and types to be determined by LU Facilities Representative.

C. **Benches and Picnic Tables**

   The design team is to work with LU Facilities Representatives to select and specify benches and picnic tables.
D. Bike Racks

1. Racks must comply with University Standard and be set at location approved by LU Facilities Representative.

2. University Standard is: Inverted U-shaped (no cross bar or other infill), Stainless steel, Satin No. 4, no surface blemishes. 1-1/2" Schedule 40 (2" O.D.) Size: 3' high, 2' long, using 24" radius. Space a minimum of 3'-0" o.c.

3. Bike racks should not be custom or built from a metal shop. Lehigh has approved the Classic Bike U Rack from Cycle Safe or approved equal.

E. Landscape

1. Ground Cover/Trees/Accents
   a) Shall allow for safe public access, and shall visually connect existing architectural and site elements with the future buildings and parking facilities.
   b) The design and selection of all landscape treatments should be integrated into the overall design approach for each site.
   c) Special landscape treatments are recommended at primary building entrances and at pedestrian and roadway gateways.
   d) Landscape treatments at primary building entrances shall be coordinated with architectural styles, materials, and color schemes.
   e) All landscape treatments shall adhere to the principles of sustainable design to the fullest extent possible.
   f) Native regional species shall be utilized whenever possible.
   g) All landscape designs are to be coordinated with and approved by the Associate Director of Custodial, Grounds and Athletics and the LU Facilities Representative.

F. Planting Guide

Contact LU Facilities Representative for more information.

G. Tree Grates

Contact LU Facilities Representative for more information.
H. Hardscape

1. Materials and Methods/Utilization
   a) Shall allow for safe public access, and shall visually connect existing architectural and site elements with the future buildings and parking facilities.
   b) The site shall feature pedestrian and bicycle access along all access points and adjacent roadways.

2. Paving - Exterior Sidewalk
   a) Minimum six (6) inches of 4000 PSI concrete
   b) Eight (8) inches of approved PennDot stone base

I. Fencing

The design team is to coordinate all proposed fencing with the LU Facilities Representative.

J. Site Walls

The design team is to coordinate all proposed site walls with the LU Facilities Representative.

K. Exterior Equipment

1. All exterior mechanical and/or electrical equipment shall be screened from view. This includes rooftop equipment and ground-level equipment.
2. The screening should be adequate to fully cover the equipment from ground level or adjacent building view.
3. Noise from exterior mechanical and/or electrical equipment should be considered and discussed with the LU Facilities Representative to determine if acoustic treatments need to be added.

L. Exterior Trash Enclosures

1. Exterior trash enclosures shall be provided with each project unless waived by the LU Facilities Representative, and if not required by the City of Bethlehem.
2. Trash enclosures should also be screened from public areas, campus view corridors and building entries. Screening shall be provided from ground level views as well as any adjacent building views. Exterior trash enclosures are to be three-sided, made of wood or composite material. Gates or doors are not required or preferred.
3. Trash enclosures are to be large enough to house trash and recycling toters. Dumpsters are not used, unless specifically indicated by Lehigh.

M. Exterior Trash and Recycling Receptacles

1. LU Facilities purchases, installs and maintains all exterior trash and recycling receptacles on campus.
2. Exterior trash and recycling locations for new buildings are to be coordinated with the LU Facilities Representative.
3. Exterior trash and recycling receptacles are Big Belly High Capacity (HC 5) Smart, Solar-Powered Compacting Model.

N. Site Lighting

Refer to Lehigh University’s MEP Standards (See Appendix)

O. Bus Shelters

1. Bus shelters basis of design by Duo-Gard Industries.
2. For projects requiring new bus shelters, the design team is to coordinate with the LU Facilities Representative for bus shelter style, features and location.
Appendix: Other Guidelines, Standards and Policies

This Appendix contains live links to other guidelines, standards, and policies that may be applicable to the project. If a link is not available, please communicate with the LU Facilities Representative to determine if the policy is required for the project.

Last Update

- **Access Control and Door Hardware Standards**  
  *(Contact the LU Facilities Representative to determine if required.)*
- **Building and Room Numbering Policy** .......................................................... 5/26/2015
- **Campus Sustainability Plan 2020** ................................................................. 05/01/2016
- **Classroom Technology Standard** Part 1 / Part 2 / Part 3
- **Communications Branding and Visual Identity Guide** ............................... 2018
- **Control Survey Report** .................................................................................. 09/26/2016
- **Drawing and CAD Standards** ...................................................................... 9/10/2018
- **Drawing Requirements for Land Surveys** ................................................... 12/14/2016
- **Emergency Phone Standard** ....................................................................... 1/28/2020
- **Environmental Permitting Requirements for New Construction Projects** June 2019
- **Exterior Signage and Wayfinding** Part 1 / Part 2 .......................................... 08/15/2019
- **Furniture Standards** COMING SOON
- **Interior Signage Standards** COMING SOON
- **Land Surveying Requirements** ................................................................. 06/30/2018
- **Lehigh University Environmental Health and Safety** Various  
  *(for policies and procedures related to contractors, labs, hazardous waste, trainings, etc.)*
- **LTS Communications Infrastructure Standards** ........................................ 11/04/2019
- **LTS Procedural Standards** ........................................................................... 11/04/2019
- **LU’s MEP Standards** .................................................................................. 01/31/2020
- **Mother’s / Lactation Rooms** (Alternate Link) ............................................. 2019 (June 2016)
- **Operable Window Policy** ............................................................................ 09/19/2019
- **Space Assignment Policy** .......................................................................... 09/03/2019
- **Waste and Recycling Guideline** ................................................................. 05/01/2019