

## PART II – CSU FACILITIES PLANNING, DESIGN AND CONSTRUCTION STANDARDS

### CHAPTER 06 – REQUIREMENTS BY SPACE TYPE AND USE

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#### 600 – GENERAL

##### 600.1 – General Requirements:

A. These requirements apply to all public space types.

1. Contact Project Representative for applicability or exemptions.
2. Refer to Chapter 01 – General Project Information for Variance Request requirements.

B. The intent behind this section is to work towards creating a physical inclusive campus.

##### 600.2 – Required Features:

A. Accessible seating shall be distributed throughout classrooms with fixed seating of any capacity to allow a variety of viewing options.

B. Chair rails shall be provided in all gathering rooms with movable furniture including, but not limited to classrooms, conference rooms, break rooms, waiting areas, study rooms/areas, etc.

1. Height and size of chair rail shall be coordinated with the furniture selection prior to installation.

C. Door Hardware:

1. Mounting Height:
  - a. Maximum of 42" AFF
2. Refer to Division 08 – Openings for detailed door hardware Standards.

D. Automatic Door Operators:

1. Mounting Height:
  - a. 5" AFF for 36" Vertical Activation Plate
2. Mounting Position:
  - a. Placement of the activation plate shall take the following into consideration:
    - i. Clear floor space for activating the switch shall be outside of the swinging door path.
    - ii. When the door is fully open the activation plate shall not be obstructed or located behind the door.
    - iii. When accessing the activation plate the door shall be visible to the user.
    - iv. The activation plate shall be a maximum distance of 12'-0" from the door.
2. Required Locations:
  - a. The following locations require a minimum of one automatic door operator:
    - i. All classrooms
    - ii. All accessible building entrances
    - iii. All accessible restrooms

3. Refer to Division 08 – Openings for detailed door hardware Standards.

E. Paper Towel Holders:

1. Mounting Height:
  - a. Located over accessible countertops or sinks: 40" AFF

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- b. Located over non-accessible countertops or sinks: minimum of 6" above countertop surface or sink
- c. Provide a minimum of one that is unobstructed and does not require an extended reach.

2. Refer to Division 10 – Specialties for detailed paper towel holder Standards.

#### F. Soap Dispensers:

##### 1. Mounting Height:

- a. Located over accessible countertops or sinks: 40" AFF
- b. Located over non-accessible countertops or sinks: minimum of 6" above countertop surface or sink
- c. Provide a minimum of one that is unobstructed and does not require an extended reach.

2. Refer to Division 10 – Specialties for detailed soap dispenser Standards.

#### G. Full-Length Mirrors:

1. All restrooms shall be provided a minimum of one full length mirror.
2. Provide clear floor space for wheelchair use directly in front of mirrors without obstructions.
3. Refer to Division 10 – Specialties for detailed full-length mirror Standards.

#### H. Automated Electronic Defibrillators (AED):

1. All buildings shall be equipped with a minimum of one AED.
2. AED location(s) shall be readily visible and accessible to all building occupants.
  - a. The quantity and location(s) of AEDs shall be coordinated with CSU Risk Management & Insurance (RMI) and the Project Representative during the Schematic Design Phase.
  - b. All AEDs shall be placed in common areas accessible to all building occupants.
  - c. The maximum travel distance to an AED shall be limited to a maximum of 300'-0".
  - d. New Construction, Additions and Full Building Renovations:
    - i. An AED shall be installed adjacent to the front entrance.
    - ii. Multi-story buildings shall have an AED on each occupiable floor.
  - e. AED location(s) shall be shown on the Architectural and Fire Alarm Drawings.
    - i. Design Development Drawings shall include the AED location(s) on the Architectural Drawings.
    - ii. The Fire Alarm Drawings shall include the AED location(s) in coordination with the Architectural Drawings during the Shop Drawing Submittal Phase.
      - a) AED shall also be shown on the Fire Alarm Graphics submitted at the completion of the project.
3. Required Signage:
  - a. Each AED shall be identified with both a surface mounted and projecting sign as described below.
  - b. Surface Mounted 8" x 11" Sign directly above cabinet:
    - i. AED graphic symbol and text "For Medical Emergency Use Only. Removal of AED Will Notify Emergency Responders and University Police"
    - ii. Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.
  - c. Projecting Sign, 3-Way Wall Sign above cabinet:
    - i. 3-way "V" shape projects 45 degrees from wall
    - ii. AED graphic symbol with text "AED Automated External Defibrillator".

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- iii. Large (12"x 15"):
  - a) Large atriums, vestibules, wide open corridors
- iv. Small (10" x 12"):
  - a) Small hallways, vestibules, corridors with limited space
- v. Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents for signage details.

4. Refer to Division 10 – Specialties for detailed AED Standards.

#### I. Sinks and Equipment:

- 1. If countertops or horizontal work surfaces are provided, all accessible sinks shall be a roll-under configuration.
- 2. Faucets shall have a maximum forward obstructed reach range to the controls of 21".
- 3. Faucets shall have hot and cold paddle handles.

J. Refer to Division 22 – Plumbing for detailed sink and faucet Standards.

#### K. Access Control Card Readers:

- 1. Mounting Height:
  - a. 36" AFF to center
  - b. A maximum height of 42" AFF to center shall be considered if cards are detectable at minimum distance of 6" from the reader.
- 2. Refer to Division 28 – Electronic Safety and Security for detailed card reader Standards.

#### L. Light Switches:

- 1. Mounting Height:
  - a. Maximum of 42" AFF to center without obstruction
- 2. Refer to Division 26 – Electrical for detailed light switch Standards.

### 600.3 – Design Considerations:

A. Floor cleaning equipment is difficult to handle in small areas.

- 1. Where possible, avoid creating small nooks, alcoves and other recessed areas such as doorways and watercoolers.

B. Ledges create places for dirt and dust to settle.

- 1. Wall and window designs shall minimize ledges wherever possible

### 601 – OFFICE STANDARDS

#### 601.1 – Sizes:

A. Refer to CSU Space Use Committee Website <http://www.facilities.colostate.edu/space/> for current approved office sizes.

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#### **601.2 – Shape:**

- A. Offices shall be rectangular without acute corners.
- B. Other shapes require approval by the CSU Space Committee.

#### **602 – VENDING MACHINE AREAS**

##### **602.1 – General Requirements:**

- A. Provide an area near the center of the building along the traffic pattern for vending machines, taking into consideration the safety and aesthetic values of the building.
  - 1. A separate room is not required, but infrastructure for the machines shall be provided including, but not limited to electrical and provisions for data network connection.
  - 2. A recessed alcove shall be used to avoid conflict with circulation.
- B. Provide adequate space for install and maintenance and show trash and recycling receptacles on the floor plan.
  - 1. Refer to Division 12 – Furnishings for trash and recycling container Standards.

#### **603 – FOOD PREPARATION/COFFEE BAR/SERVING AREAS**

##### **603.1 – General Requirements:**

- A. Conform to current Colorado Department of Health Standards and Regulations for Food Service Establishments, NFPA-96 and OSHA 29 CFR 1910.141.
- B. Coordinate with CSU Environmental Health Services (EHS) Public Health Officer for design review and inspections.

#### **604 – BREAK ROOMS**

##### **604.1 – General:**

- A. CSU supports and requires Break Rooms to allow employees to safely store, prepare and consume food without the need to leave their workplace.
- B. Facilities Management (FM) Building Services' Responsibilities for Break Rooms is limited to scheduled floor maintenance and emptying of trash and recycling containers.
  - 1. FM Building Services does not receive funding to provide services for cleaning galley or kitchen sinks, microwave ovens, countertops or tabletops.
  - 2. Building occupants are responsible for cleaning Break Rooms including, but not limited to microwaves, refrigerators and sinks.
  - 3. Due to food safety issues, these Break Rooms must be inspected periodically by the CSU EHS Public Health Officer.

##### **604.2 – Location:**

- A. New Construction, Additions and Full Building Renovations:

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1. Buildings shall have at least one Break Room per building.
2. Refer to 604.3 – Requirements for square footage space requirement.

#### **B. Remodels:**

1. Projects that reconfigure eight or more existing rooms within an existing building or projects that includes a minimum of 25% of one floor of a building shall include one Break Room if one does not already exist.

#### **604.3 – Requirements:**

- A. A minimum of three square feet of dining space per employee occupying the building.
- B. Break Rooms shall be designated for the sole use of taking breaks from work activities and shall be separate from any other function.
- C. All surfaces, furnishings and flooring must be durable, non-absorbent and easily cleaned.
- D. Counters, working surfaces, backsplashes, flooring and other furnishings must be smooth and sealed to withstand moisture.
- E. The following requirements shall be included:
  1. Table and non-absorbent chairs
  2. Flooring shall be hard surface, no carpeting or rugs.
  3. Use water-resistant gypsum board for backsplash substrate.
    - a. No painted drywall for backsplashes
    - b. Tile or stainless steel preferred
  4. Full-Size ENERGY STAR Certified Combination Refrigerator/Freezer
  5. Microwave
  6. Roll-Under Sink
  7. Paper Towel Holder
    - a. Refer to Division 10 – Specialties for detailed paper towel holder Standards.
  8. Trash and recycling containers
    - a. Refer to Division 12 – Furnishings for trash and recycling container Standards.
  9. Information:
    - a. Cork board
    - b. Wi-Fi enabled room

#### **604.4 – Required Review:**

##### **A. New Construction, Additions and Full Building Renovations:**

1. Projects shall comply with the review guidelines described in Chapter 02 – Design Administration.

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#### **B. Remodels:**

1. Project Representative shall contact the Inclusive Physical and Virtual Campus Committee (IPVCC) for review.

#### **604.5 – Required Signage:**

- A. Break Room Signage: Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.
- B. Compost Poster and Recycle Guidelines: Coordinate with Project Representative

#### **604.6 – Recommendations:**

- A. Reusable silverware and dishes
- B. Cupboards
- C. ENERGY STAR Certified dishwasher
- D. Instant hot water dispenser
- E. Cleaning supplies
- F. Compost container
  1. Most academic buildings include access to a larger compost bin near a loading dock or back entry that is maintained by FM.
  2. Containers are available upon request from FM Integrated Solid Waste.
  3. Refer to Division 12 – Furnishings for compost container Standards.
- G. First Aid Kit

### **605 – ALL GENDER RESTROOMS**

#### **605.1 – General:**

- A. All Gender Restrooms are single–stall restrooms that benefit all occupants and visitors of a building and increase the total number of toilet facilities available to all including, but not limited to; transgender/gender non–conforming individuals, cisgender individuals, parents and caregivers who have children of another gender, people with a disability who have personal attendants or caregivers of another gender, individuals with chronic illness and others.
- B. Refer to the Office of the State Architect’s (OSA) International Building Code (IBC) Chapter 29 Amendment – State of Colorado Requirements Amenities for All Genders.

#### **605.2 – Location:**

- A. New Construction:
  1. Buildings shall have at least one All Gender Restroom per floor.

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#### **B. Additions and Remodels:**

1. Projects that include remodeled restrooms in the Scope of Work, shall add an All Gender Restroom on floors that do not already have one.
2. Refer to the OSA IBC Chapter 29 Amendment – State of Colorado Requirements Amenities for All Genders.

C. The preferred location for All Gender Restrooms is adjacent to multi-stall restrooms possible to support ease in wayfinding and minimize plumbing infrastructure.

#### **605.3 – Requirements:**

- A. All Gender Restrooms shall all be fully accessible.
- B. All Gender Restrooms shall not include automatic fixtures or dispensers.
1. This is to support those with sensory disorders.
- C. Use privacy latch with “occupied/vacant” (or equivalent text).
1. Refer to Division 08 – Openings for privacy latch Standards.
- D. All Gender Restrooms shall include a baby changing table.

#### **605.4 – Required Review:**

- A. New Construction, Additions and Full Building Renovations:
1. Projects shall comply with the review guidelines described in Chapter 02 – Design Administration.
- B. Remodels:
1. Project Representative shall contact the Inclusive Physical and Virtual Campus Committee (IPVCC) for review.

#### **605.5 – Required Signage:**

- A. All Gender Restroom Signage: Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.
- B. No Loud Noises Restrooms Signage: Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.
- C. Baby Changing Table Signage: Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.
- D. Interior Directory Signage: Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.

### **606 – BABY CHANGING TABLES**

#### **606.1 – General:**

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A. Wall-mounted baby changing tables shall be provided in each building to provide a sanitary, private facility for a caregiver and a young child.

B. All buildings shall have at least one baby changing table per building accessible to all.

#### **606.2 – Location:**

A. New Construction:

1. Refer to the OSA IBC Chapter 29 Amendment – State of Colorado Requirements Amenities for All Genders.

B. Additions and Remodels:

1. Refer to the OSA IBC Chapter 29 Amendment – State of Colorado Requirements Amenities for All Genders.

C. Baby changing table locations shall include accessible clear floor space free of obstructions in front of the table while in the down position.

#### **606.3 – Requirements:**

A. In-wall backing/reinforcing is required for baby changing table installation.

#### **606.4 – Required Signage:**

A. Restroom Signage and/or Baby Changing Table Signage: Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.

B. Interior Directory Signage: Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.

### **607 – LACTATION ROOMS**

#### **607.1 – General:**

A. CSU recognizes the importance of supporting parents who wish to continue breastfeeding once they return by providing space while they are at work or school. All Lactation Rooms shall provide a private room that is available to all lactating parents on campus whether they are a faculty or staff member, student or visitor.

#### **607.2 – Location:**

A. Lactation rooms shall be available within approximately 660'-0" (1/8 mile) from one building to another, which is an average of a five-minute walk.

1. Refer to the Lactation Room Location Map located in the CSU Facilities Planning, Design and Construction Standards – Additional Documents.

B. New Construction, Additions and Full Building Renovations:

1. Projects that contain occupied space shall include one Lactation Room

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#### **C. Remodels:**

1. Projects that reconfigure eight or more existing rooms within an existing building or projects that include a minimum of 25% of one floor of a building shall include one Lactation Room if one does not exist within approximately 660'–0" of the building.
2. Refer to the Lactation Room Location Map located in the CSU Facilities Planning, Design and Construction Standards – Additional Documents.

#### **D. Additional locations shall be considered by the IPVCC where feasible based on the Project Representative's working knowledge of the building and space usage.**

#### **E. Avoid locating a Lactation Room next to a classroom or office that may find the noise of a pump distracting.**

### **607.3 – Requirements:**

#### **A. Shape:**

1. Rectangular
2. No acute corners
3. Other shapes require approval by the IPVCC.

#### **B. Lactation Rooms for one lactating parent without a sink that accommodates a chair and table shall be a minimum of 56 square feet.**

#### **C. Lactation Rooms for one lactating parent with a roll-under sink and counter immediately adjacent to the sink a minimum of six square feet that accommodates a chair and table shall be a minimum of 80 square feet.**

#### **D. Roll-Under Sinks and Counters:**

1. New Construction and Additions:
  - a. Required for all
2. Remodels:
  - a. Shall also be provided when space and infrastructure allow

#### **E. All Lactation Rooms require the features listed below:**

1. Paper Towel Holder:
  - a. Refer to Division 10 – Specialties for detailed paper towel holder Standards.
2. Soap Dispenser:
  - a. Required if a sink is provided
  - b. Refer to Division 10 – Specialties for detailed soap dispenser Standards.
3. Trash Container
  - a. Refer to Division 12 – Furnishings for trash container Standards.
4. Lockable Door:
  - a. Use privacy latch with "occupied/vacant" (or equivalent text).

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- b. Lactation rooms shall not be key–carded nor have keyed locks that make them inaccessible to the public.
  - c. Refer to Division 08 – Openings for privacy latch Standards.
5. Chair:
- a. Glider or comfortable chair with stain and water repellent upholstery
6. Tables:
- a. Small side table or horizontal surface adjacent to chair
7. Power Outlets:
- a. Easily accessible power outlets shall be provided for the following at a minimum:
    - i. Pump
    - ii. Laptop or other personal electronics
    - iii. Refrigerator or other appliances
  - b. USB ready outlets shall be located near the chair and side table.
  - c. Refer to Division 26 – Electrical for outlet Standards.
8. Dimmable Lighting:
- a. New Construction and Additions:
    - i. Room lighting shall be dimmable via wall controls by the occupant.
    - ii. Secondary lighting in way of a floor lamp may also be provided in addition to the room lighting and shall follow the same requirements as a remodel.
  - b. Remodels:
    - i. If the Project does not include new room lighting a floor lamp with an accessible (does not require a grasping or twisting motion) switch mechanism shall be provided.
    - ii. If the Project does include new room lighting, it shall be dimmable by the occupant via wall controls.
  - c. Refer to Division 26 – Electrical for lighting Standards.
- F. Calendar/Schedule:
- 1. Lactation Rooms shall have a Calendaring/Scheduling System to allow for lactating parents to pre–schedule time to use the room.
  - 2. Scheduling System shall be through Microsoft Outlook, maintained by FM, and the building proctor can schedule the room for students or individuals who do not have access to Outlook.

#### 607.4 – Required Review:

##### A. New Construction, Additions and Full Building Renovations:

- 1. Projects shall comply with the review guidelines described in Chapter 02 – Design Administration.

##### B. Remodels:

- 1. Project Representative shall contact the Inclusive Physical and Virtual Campus Committee (IPVCC) for review.

#### 607.5 – Required Signage:

- ##### A. Lactation Room Signage: Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.

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B. Building Decal: Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.

1. To be used on exterior door or glass panel

C. Interior Directory Signage: If an interior directory sign exists, refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.

#### **607.6 – Recommendations:**

A. Roll-under sinks and counters in remodels

B. Low, small foot stool to increase ergonomic fit of chair

1. Must be lightweight enough or have casters for wheelchair occupant to move and shall fit under chair or table.

C. Wall clock

D. Full length mirror

1. Refer to Division 10 – Specialties for full length mirror Standards.

E. Cleaning supplies

1. Antibacterial soap (or wipes) for hands, dish soap for equipment, facial tissue, etc.

F. Carpeting

1. Carpet is preferred over hard flooring for sound reduction and comfort.

G. Information

1. Magnetic white board or a split board (half-magnetic white board and half-tack board) a minimum of 8-1/2 x 11”.

H. Additional Lighting

1. In addition to the requirements for dimmable lighting above, secondary lighting may be added.
  - a. Floor or table lamps located adjacent to the chair shall be accessible (does not require a grasping or twisting motion with switch, button or touch controls).
  - b. A lamp with three lighting levels is preferable.
  - c. Table lamps shall not make the required side table unusable for personal equipment and belongings.

I. Computer data ports or wireless internet

1. Refer to Division 27 – Communications for Telecommunication Standards.

J. Refrigerator and microwave if cleaning/maintenance is supported by department or unit

K. A small desk with a chair near an outlet, to allow the lactating person to work on a laptop while pumping

L. Interior wayfinding signage to direct users to the lactation room.

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1. Include on building directory.

M. Use of the Psychology of Color in Lactation Rooms Guidelines.

#### **608 – COMMUTER SHOWER**

##### **608.1 – General:**

- A. CSU recognizes and supports the importance of providing space to support commuters who need a facility to clean, get dressed and prepare for their work day.
- B. All Commuter Showers shall be available to active staff, faculty, and enrolled students.

##### **608.2 – Location:**

- A. Commuter Showers shall be available within approximately 660'–0" (1/8 mile) from one building to another which is an average of a five minute walk.
  1. Refer to the IPVCC Commuter Shower Location Map located in the CSU Facilities Planning, Design and Construction Standards – Additional Documents.
- B. New Construction, Additions and Full Building Renovations:
  1. Projects that contain occupied space shall include a pair of private individual Commuter Showers if a building within an 660'–0" does not have an existing Commuter Shower as determined by the Commuter Shower Location Map.
- C. Remodels:
  1. Projects that reconfigure eight or more existing rooms within an existing building or projects that include a minimum of 25% of one floor of a building shall include one Commuter Shower if one does not exist within approximately 660'–0" of the building.
- D. Additional locations shall be considered where feasible based on the Project Representative's working knowledge of the building and space usage.
- E. Preferred location for Commuter Showers is on a building's ground floor.

##### **608.3 – Requirements:**

- A. Facilities:
  1. Commuter Showers shall be All Gender, installed in pairs and labeled 'Commuter Shower' to ensure access during peak times.
    - a. The intent is to provide Commuter Showers with associated changing areas to all CSU active staff, faculty, and enrolled students.
  2. New Construction, Additions and Full Building Renovations:
    - a. The size and layout of Commuter Shower facilities are dependent upon the quantity of 12-month full-time faculty and staff building occupants as long as the requirements listed below are met.
    - b. Showers are ideally a separate room with separate access from restroom facilities.
  3. Remodel:
    - a. Previously existing shower facilities shall be considered for retrofit and re-use.
    - b. Showers shall be located near existing plumbing if possible.

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4. Door to Commuter Shower Room:
  - a. Door shall be a minimum of 36" wide.
  - b. Commuter Showers shall be key–carded to limit unauthorized access.
    - i. CCure key card unit to unlock the room.
    - ii. Refer to Division 28 – Electronic Safety and Security for card reader Standard.
  - c. Lockable Door
    - i. Use privacy latch with “occupied/vacant” (or equivalent text).
    - ii. Refer to Division 08 – Openings for privacy latch Standards.
5. Changing Area:
  - a. Shape:
    - i. Rectangular
    - ii. No acute corners
    - iii. Other shapes require approval by the IPVCC
6. Water Closet Seats:
  - a. “Soft close” type or bumpers made of solid, non–absorbent material
  - b. Refer to Division 10 – Specialties for Water Closet Seat Standard.
7. Bench for changing
8. Towel rack or hook for full size towels (40" x 70")
9. Full length mirror with accessible clear floor space free of obstruction
10. Counter or shelf for personal items adjacent to the mirror
11. One GFCI electrical outlet adjacent to the counter or shelf
12. Shower Stall:
  - a. Shape:
    - i. Rectangular
    - ii. No acute corners
    - iii. Other shapes require approval by the IPVCC
13. Minimum dimensions of 60" (L) x 36" (W) x 90" (H)
14. One light fixture with a minimum output of 800 lumens
  - a. Refer to Division 26 – Electrical for light fixture Standards.
15. 1.5 gpm low–flow showerhead
  - a. Refer to Division 22 – Plumbing for plumbing Standards.
16. Shower pans with non–skid surface shall include a membrane installed underneath.
17. Voice Activated Dispatch Alarm in shower stall to notify first responders in case of emergency

#### 608.4 – Required Review:

##### A. New Construction, Additions and Full Building Renovations:

1. Projects shall comply with the review guidelines described in Chapter 02 – Design Administration.

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#### **B. Remodels:**

1. Project Representative shall contact the Inclusive Physical and Virtual Campus Committee (IPVCC) for review.

#### **608.5 – Required Signage:**

- A. Commuter Shower Signage: Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.
- B. Building Decal: Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.
  1. To be used on exterior door or glass panel
- C. Interior Directory Signage: If an interior directory sign exists, refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.

#### **608.6 – Recommendations:**

- A. Lockers:
  1. One locker per five employees in building
- B. Shower Stalls:
  1. CCure key card unit to turn on shower faucet.

### **609 – REFLECTION SPACES**

#### **609.1 – General:**

- A. Reflection Spaces accommodate the spiritual and meditative needs of the campus community by supporting a diversity of religious, spiritual, stress-reducing, and meditative practices.
- B. Reflection Spaces are intended to be flexible to allow for reflection functions and provide open public spaces.
- C. Reflection Spaces shall not be used for lactation purposes.

#### **609.2 – Location:**

- A. Reflection Spaces and Reflections Rooms shall be available within approximately 660'–0" (1/8 mile) from one building to another which is an average of a five minute walk within the core of Main Campus.
  1. Refer to the Reflection Room Location Map describing placement of Reflection Spaces, Reflection Rooms and Community Reflection Rooms.
- B. New Construction, Additions and Full Building Renovations:
  1. Projects that contain occupied space shall include one Reflection Space if a building within 660'–0" does not exist with a Reflection Space as determined by the Reflection Room Location Map.

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#### **C. Remodels:**

1. Projects that reconfigure eight or more existing rooms within an existing building or projects that include a minimum of 25% of one floor of a building shall include one Reflection Space if no other reflection room lies within approximately 660'-0" of the building.

#### **D. Preferred locations for Reflection Spaces are open public spaces at the end of hallways that are often used for study, lounge areas where a portion of the space can be divided off by a curtain or portable divider when in use. Ideally, locations include the following considerations:**

1. Close proximity to an All-Gender Restroom as certain religious expressions require cleansing before/after their practice
2. Adjacent to an exterior window. Shades are required for exterior windows

#### **609.3 – Requirements:**

A. Reflection Spaces shall be no less than 8'-0" x 8'-0" (64 square feet) in plan. A minimum of 4'-0" in front of any furniture is required to allow for reflection functions.

#### **B. Amenities:**

1. Retractable curtain or portable divider to divide space
2. Carpeted floor coverings and rugs which can be rolled up for cleanliness

C. Landscape or abstract artwork; no artwork shall contain people or animals.

D. Religious iconography or images that depict certain traditions shall not be included within the space.

#### **609.4 – Required Review:**

##### **A. New Construction, Additions and Full Building Renovations:**

1. Projects shall comply with the review guidelines described in Chapter 02 – Design Administration.

##### **B. Remodels:**

1. Project Representative shall contact the Inclusive Physical and Virtual Campus Committee (IPVCC) for review.

#### **609.5 – Required Signage:**

A. Reflection Room Signage: Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.

B. Interior Directory Signage: If an interior directory sign exists, refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.

#### **609.6 – Recommendations:**

A. Muted, calm paint colors

B. Power outlets to support flexible uses for space.

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1. Refer to Division 08 – Electrical for outlet Standards.

#### **610 – REFLECTION ROOMS**

##### **610.1 – General:**

- A. Reflection Rooms accommodate the spiritual and meditative needs of the campus community by supporting a diversity of religious, spiritual, stress-reducing, and meditative practices.
  1. Reflection Rooms are intentional spaces that allow individuals to exercise those expressions free from disruption to their academic or professional pursuits.
- B. Reflection Rooms have a higher level of privacy than Reflection Spaces and shall accommodate two–six occupants simultaneously.
- C. Reflection Rooms shall not be used for lactation purposes.

##### **610.2 – Location:**

- A. Reflection Spaces and Reflections Rooms shall be available within approximately 660’–0” (1/8 mile) from one building to another, which is an average of a five–minute walk within the core of Main Campus.
  1. Refer to the Reflection Room Location Map describing placement of Reflection Spaces, Reflection Rooms and Community Reflection Rooms.
- B. New Construction, Additions and Full Building Renovations:
  1. Projects that contain occupied space shall include one Reflection Room if a building within 660’–0” does not exist with a Reflection Room as determined by the Reflection Room Location Map.
- C. Remodels:
  1. Projects that reconfigure eight or more existing rooms within an existing building or projects that include a minimum of 25% of one floor of a building shall include one Reflection Room if no other reflection room lies within approximately 660’–0” of the building.
- D. Additional locations shall be considered where feasible based on the Project Representative’s working knowledge of the building and space usage.
- E. Reflection Rooms shall take the following into consideration when determining location:
  1. Reflection Rooms shall not be located next to noisy public areas such as stairs, building entrances, auditoriums, etc.
  2. Close proximity to an All Gender Restroom. Certain religious expressions require cleansing before/after their practice.

##### **610.3 – Requirements:**

- A. Size and Configuration:
  1. Reflection Room dimensions shall be at a minimum 10’–0” x 16’–0”
  2. New Construction:

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- a. The orientation of the Reflection Room within a building shall allow for an entry on the west wall at the rear of the room allowing the east wall to remain available as the front of the room to support religious practices that face east for prayer.
3. Remodels:
    - a. When feasible, the orientation of the Reflection Room within a building shall allow for an entry on the west wall at the rear of the room allowing the east wall to remain available as the front of the room to support religious practices that face east for prayer.
- B. Exterior Windows:
1. New Construction and Additions:
    - a. Required
  2. Remodels:
    - a. When feasible locate on an exterior wall with windows. Shades are required for exterior windows.
- C. Interior Glass:
1. If a Reflection Room does not have exterior windows, interior clerestory windows with a minimum sill height of 6'-0" shall be provided to allow for borrowed light.
  2. A portion of at least one interior wall shall be glass, with some portion opaque or the door can include glass.
  3. The intent of this is to provide some transparency to how the room is being used without people feeling too exposed.
- D. Dimmable Lighting:
1. Reflection Room lighting shall be dimmable via wall controls.
- E. Amenities:
1. Shoe rack near main entrance sized to accommodate a minimum of six pairs of shoes
  2. Coat hooks near main entrance to accommodate a minimum of six coats
  3. Retractable curtain or portable divider
  4. Carpeted floor coverings and rugs which can be rolled up for cleanliness
- F. Landscape or abstract artwork; no artwork shall contain people or animals
1. Religious iconography or images that depict certain traditions shall not be included within the space.
- G. Muted, calm paint colors
- H. Power outlets to support flexible uses for space.
1. Refer to Division 26 – Electrical for outlet Standards.

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#### **610.4 – Required Review:**

A. New Construction, Additions and Full Building Renovations:

1. Projects shall comply with the review guidelines described in Chapter 02 – Design Administration.

B. Remodels:

1. Project Representative shall contact the Inclusive Physical and Virtual Campus Committee (IPVCC) for review.

#### **610.5 – Required Signage:**

A. Reflection Room Signage: Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.

B. Interior Directory Signage: If an interior directory sign exists, refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.

#### **610.6 – Recommendations:**

A. Wash station(s) with seat

B. Shelves at entrance

C. Low table

D. Storage System to hold items such as small rolled carpets, meditation bell, LED candles, etc.

E. Door indicator showing in–use or room–available status

1. Indicator shall not have a locking function.

F. Comfortable mobile furniture that can easily be moved aside such as; floor pillows, kneeling bench, seats, etc.

### **611 – COMMUNITY REFLECTION ROOMS**

#### **611.1 – General:**

A. Community Reflection Rooms accommodate the communal spiritual and meditative needs of the campus community by balancing a diversity of religious, spiritual, stress–reducing, and meditative practices. Community Reflection Rooms are intentional spaces that allow individuals to exercise those expressions free from disruption to their academic or professional pursuits. Community Reflection Rooms serve as a convening location for larger groups while providing a level of privacy.

B. Community Reflection Rooms may also function as a conference or meeting room when not in use for reflection.

1. First priority shall be given for use as a Community Reflection Room.

C. Community Reflection Rooms shall not be used for lactation purposes.

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#### **611.2 – Location:**

##### **A. New Construction, Additions and Full Building Renovations:**

1. Community Reflection Rooms have been designated at specific locations in a core area of Main Campus.
  - a. Refer to the IPVCC Reflection Room Location Map describing placement of Reflection Spaces, Reflection Rooms and Community Reflection Rooms.

##### **B. Remodels:**

1. Not required

##### **C. Community Reflection Rooms shall take the following into consideration when determining location:**

1. Community Reflection Rooms shall not be located next to noisy public areas such as stairs, building entrances, auditoriums, etc.
2. Close proximity to an All Gender Restroom. Certain religious expressions require cleansing before/after their practice.
3. Community Reflection Rooms are not intended to be standalone buildings.

#### **611.3 – Requirements:**

##### **A. Size and Configuration:**

1. Community Reflection Rooms shall be a minimum of 1,000 square feet.
2. Length:Depth ratio shall not to exceed 1.5:1.
3. Rooms square in nature are acceptable.
4. An occupancy of 20 minimum
5. The orientation of Reflection Room within a building shall allow for an entry on the west wall at the rear of the room allowing the east wall to remain available as the front of the room to support religious practices that face east for prayer.

##### **B. Exterior Windows:**

1. New Construction and Additions:
  - a. Required

##### **C. Interior Glass:**

1. If a Community Reflection Room does not have exterior windows, interior clerestory windows with a minimum sill height of 6'-0" shall be provided to allow for borrowed light.
2. A portion of at least one interior wall shall be glass, with some portion opaque or the door can include glass.
3. The intent of this is to provide some transparency to how the room is being used without people feeling too exposed.

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#### **D. Dimmable Lighting:**

1. Community Reflection Room lighting shall be dimmable via wall controls.
2. Refer to Division 26 – Electrical for lighting Standards.

#### **E. Amenities:**

1. Shoe rack near main entrance sized to accommodate a minimum of 20 pairs of shoes
2. Coat hooks near main entrance to accommodate a minimum of 20 coats
3. Retractable curtain or portable room divider
4. Carpeted floor coverings and rugs which can be rolled up for cleanliness
5. Furniture that serves the function of a meeting space shall be mobile

#### **F. Landscape or abstract artwork; no artwork shall contain people or animals**

1. Religious iconography or images that depict certain traditions shall not be included within the space.

#### **G. Muted, calm paint colors**

#### **H. Power outlets to support flexible uses for space**

1. Refer to Division 26 – Electrical for outlet Standards.

#### **I. Calendar/Schedule:**

1. Community Reflection Rooms shall have a Calendaring/Scheduling System to allow for groups to pre-schedule reflection time as some religious affiliations have specific prayer times.
2. Scheduling System shall be through Microsoft Outlook, maintained by FM, and the building proctor can schedule the room for students or individuals who do not have access to Outlook.

### **611.4 – Required Review:**

#### **A. New Construction, Additions and Full Building Renovations:**

1. Projects shall comply with the review guidelines described in Chapter 02 – Design Administration.

#### **A. Remodels:**

1. Project Representative shall contact the Inclusive Physical and Virtual Campus Committee (IPVCC) for review.

### **611.5 – Required Signage:**

#### **A. Reflection Room Signage Standard: Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.**

#### **B. Interior Directory Signage: If an interior directory sign exists, refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.**

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#### **611.6 – Recommendations:**

- A. Wash station(s) with seat
- B. Shelves at entrance
- C. Low table
- D. Storage System to hold items such as; small rolled carpets, meditation bell, LED candles, etc.
- E. Door indicator showing in–use or room–available status
  - 1. Indicator shall not have a locking function.
- F. Comfortable mobile furniture that can easily be moved aside such as – floor pillows, kneeling bench, seats, etc.

#### **612 – INDOOR BICYCLE PARKING**

##### **612.1 – General:**

- A. Indoor Bicycle Parking allows for secure daily bicycle parking to provide protection from sun, snow, hail, and rain.
- B. All Indoor Bicycle Parking shall be available to active staff, faculty, and enrolled students.
- C. FM Building Services' responsibilities are limited to scheduled floor maintenance and emptying of trash and recycle bins.
  - 1. Additional services including, but not limited to compost pick–up must be coordinated with Building Services under a specific Service Agreement.

##### **612.2 – Location:**

- A. Indoor Bicycle Parking shall be located at ground level.
  - 1. A dedicated exterior entrance shall provide direct access to Indoor Bicycle Parking.
    - a. Stairs, vestibules and/or hallways shall not be utilized for access.
    - b. Entrances into Indoor Bicycle Parking shall be separate from the main building entry.
- B. Indoor Bicycle Parking shall be separate from any work function that prohibits the availability of the room for its intended purpose throughout the workday, such as a conference room.
- C. Indoor Bicycle Parking shall include an interior door to allow users direct access into the primary building circulation once their bicycle is secured.
- D. New Construction, Additions and Full Building Renovations:
  - 1. Indoor Bicycle Parking supports LEED Certification for New Construction.
  - 2. If provided, Indoor Bicycle Parking shall follow all requirements of the Standards.
- E. Remodels:
  - 1. If provided, Indoor Bicycle Parking shall follow all requirements of the Standards.

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F. Indoor Bicycle Parking shall take the following into consideration when determining locations:

1. Geographic distribution across campus shall be in accordance with the Indoor Bicycle Parking Map in Additional Documents.
2. Close proximity to Commuter Showers
3. Indoor Bicycle Parking is not intended to be a standalone building.
  - a. Refer to Division 32 – Exterior Improvements for Site Bicycle Shelters Standard.

#### **612.3 – Requirements:**

A. Facilities:

1. Wall and flooring materials shall withstand moisture from wet bicycles and allow for secure installation of bicycle racks and accessories.
  - a. Flooring shall be concrete.
  - b. Walls shall be finished with a durable material per Division 09 – Finishes.
2. Doors to Indoor Bicycle Parking:
  - a. Exterior Doors shall have sweep speeds which allow for an individual to safely enter the room with their bicycle without causing damage to the bicycle, door, door frame or door hardware.
    - i. Refer to Division 08 – Openings for door and hardware Standards.
  - b. Interior and Exterior Doors to Indoor Bicycle Parking shall be key-carded to limit unauthorized access.
    - i. CCure key card unit to unlock the room from the interior and exterior
    - ii. Refer to Division 28 – Electronic Safety and Security for card reader Standard.

B. Size and Configuration:

1. Indoor Bicycle Parking shall accommodate parking in accordance with current LEED requirements for bicycle facilities.
2. The interior configuration shall allow for circulation with a minimum aisle width of 6’-0” for users to navigate their bicycles.
3. Fixtures and equipment including, but not limited to electrical, plumbing, windows and lighting shall not restrict the use of two-tiered bicycle racks.
4. To allow for maximum capacity bicycle racks shall be laid out in an efficient manner and the ceiling height shall accommodate two-tiered bicycle racks.

C. Amenities:

1. Indoor Bicycle Parking shall include permanently installed, secure bicycle racks.
  - a. Horizontal and vertical bicycle racks shall be provided to maximize the parking capacity and accommodate different styles of bicycles.
  - b. Bicycle racks shall enable the bicycle frame and front wheel to be locked to the rack.
2. Bicycle Repair Station and Bicycle Pump
  - a. Refer to Division 32 – Site Furnishings for Outdoor Bicycle Repair Station and Outdoor Bicycle Pump Standards.

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3. Outlets shall be provided for e–bicycle charging including retractable cords contained in tracks from the ceiling over bike rack to avoid tripping hazard.
  - a. Refer to Division 26 – Electrical for outlet Standards.
4. Security Camera
  - a. Refer to Division 28 – Electronic Safety and Security for security camera Standards.
5. First aid kits shall be provided in Indoor Bicycle Parking.
6. Bench
7. Trash and recycling containers
  - a. Refer to Division 12 – Furnishings for trash and recycling container Standards.

#### **612.4 – Required Review:**

##### **A. New Construction, Additions and Full Building Renovations:**

1. Projects shall comply with the review guidelines described in Chapter 02 – Design Administration.

##### **B. Remodels:**

1. Project Representative shall contact the Inclusive Physical and Virtual Campus Committee (IPVCC) for review.

#### **612.5 – Required Signage:**

##### **A. Indoor Bicycle Parking Signage: Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.**

1. Indoor Bicycle Parking wayfinding signage shall be posted in a prominent place at each entrance to the building or structure. Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.
2. Interior Directory Signage: If an interior directory sign exists, refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.

##### **B. Building Decal: Refer to CSU Facilities Planning, Design and Construction Standards – Additional Documents.**

1. To be used on exterior door or glass panel

#### **612.6 – Recommendations:**

##### **A. Slip–resistant rubber flooring installed on top of the concrete floor**

##### **B. Wall hydrant with hose and nozzle**

1. Hose shall be stored on a wall mounted hose reel.
2. If provided, a floor drain must also be installed.
  - a. Refer to Division 22 – Plumbing for floor drain Standard.

##### **C. Wall mounted bicycle lock storage**

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1. May be constructed out of metal piping or a reinforced towel bar installed in a horizontal orientation
2. Bicycle lock storage shall be located near the exterior entrance.

#### **D. Wall mounted helmet storage**

1. Hooks shall be provided for helmet storage.
  - a. Refer to Division 10 – Specialties for hook Standards.

#### **E. Personal storage**

1. Lockers

#### **F. Compost container**

1. Most academic buildings include access to a larger compost bin near a loading dock or back entry that is maintained by FM.
2. Containers are available upon request from FM Integrated Solid Waste.
  - a. Refer to Division 12 – Furnishings for compost container Standards.

#### **G. Information:**

1. Cork board
2. Wi-Fi enabled room

### **613 – CUSTODIAL STORAGE/EQUIPMENT ROOMS AND CUSTODIAL CLOSETS**

#### **613.1 – General:**

- A. The size, location and layout of custodial facilities are dependent upon the size of the building, its use and flooring materials.
  1. Most buildings require a central equipment/storage room and a custodial closet on each floor.
- B. Most buildings require use of floor machines; custodial closets and equipment storage must be sized accordingly.
  1. The Project Team and Project Representative shall confer with FM Building Services during schematic design to establish these parameters.
- C. Passageways, mechanical equipment rooms, pipe chases shall not serve as custodial closets, nor shall elevator controls, electrical panels, telephone equipment, roof access hatches, etc., be located in custodial closets.

#### **613.2 – Custodial Closets:**

- A. Custodial closets must be sized and designed to accommodate work activities, custodial carts, supplies and portable equipment.
  1. If large equipment needs to be stored, the closet shall be as straight as possible to reduce maneuvering equipment in a small space.

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- B. Locate custodial closets not more than 150'–0" to areas serviced.
- C. Doors shall be minimum 36" wide and swing out.
- D. Swing rod rack over sink for hanging wet rags, pads and mop heads
- E. Adjustable shelves on wall–mounted standards or wire rack shelf units on locking wheels
- F. Provide a freestanding shelf unit with a minimum depth of 1'–0".
- G. Provide Elevation Drawings illustrating adequate space and wall blocking for Dispensing Systems over sinks, wall brackets for backpack vacuum systems, extension cord storage, brooms, mops and other hand equipment. Provide broom and mop racks with positive locking holders.
- H. Small whiteboard and tack board
- I. Electrical circuit and minimum two duplex outlets for charging portable equipment. Fluorescent light fixture with lens
- J. Telecom/data outlet
- K. Ventilation and separation from other building spaces
- L. Finished floors, either sealed concrete or luxury vinyl tile (LVT) and finished walls and ceilings.
  - 1. A floor sink shall be provided for washing mops and draining buckets and floor care equipment.
    - a. Floor sinks shall be designed like an accessible shower floor with curbs that allow rolling equipment into the sink area.
    - b. Walls shall be water resistant hard surfaces with splash protection on walls above to 48" AFF.
    - c. The faucet shall have a hose thread swing spout with a vacuum breaker.
- M. Floor drain with waterless trap guard
- N. Ventilation with supply and exhaust air
- O. A wall–mounted first aid kit shall be provided.

#### **613.3 – Central Custodial Storage/Equipment Room:**

- A. Every building shall have assigned central storage that is capable of handling bulk supplies, storing equipment, etc.
  - 1. Actual space needed shall vary based on the equipment needs for the building.
  - 2. Contact FM Building Services for determination of equipment required, and assistance in determining proper room size.
- B. Equipment rooms for floor machines must be sized to accommodate one or more machines according to the floor materials in the building. Avoid narrow widths; most rooms shall store more than one machine or cart and shall be sized to allow one to bypass the other.
- C. Doors shall be minimum 36" wide and swing out.

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- D. Heavy-duty adjustable shelves shall be mounted along one entire wall. Provide one 3'-0" wide rolling wire rack shelf unit at the end wall.
- E. Provide Elevation Drawings illustrating adequate space and wall blocking for Dispensing Systems over sinks, wall brackets for Backpack Vacuum Systems, extension cord storage, brooms, mops and other hand equipment. Provide broom and mop racks with positive locking holders.
- F. Whiteboard and tack board
- G. Eyebolt anchored into solid blocking for securing equipment with a cable and lock.
- H. Ventilation with supply and exhaust air.
- I. Provide power outlets for charging battery-powered equipment, fluorescent light fixtures with lenses, telephone and data outlets.

#### **614 – ELECTRIC VEHICLE CHARGERS**

##### **614.1 – General:**

- A. Provisions shall be made for future EV chargers for all new construction.
- B. EV Chargers and related conduit shall be located either adjacent or attached to nearby buildings in alignment with LEED requirements as follows:
  - 1. Parking Lots – A parking lot supporting new construction shall locate chargers and conduit consistent with this standard and be signed accordingly by Parking and Transportation Services (PTS).
  - 2. Departmental Vehicle Parking – A dedicated parking space shall be constructed to support the charging of a departmental fleet vehicle for use by employees.
- C. Refer to Division 11 – Equipment for additional details.

#### **615 – ROOF ACCESS**

##### **615.1 – General:**

- A. All roofs shall have permanent and ample means of access for service.
  - 1. Consult with Building Operations for roof access requirements based on roof equipment.
  - 2. Comply with OSHA requirements for ladders and roof hatches.

#### **616 – OVERSTOCK STORAGE**

##### **616.1 – General:**

- A. When overstock is specified in any specification Division, the Project Team shall incorporate a specific overstock storage space into the project design.
- B. Overstock shall not be stored in chases or mechanical/electrical/elevator rooms.
- C. Provide calculations demonstrating that the quantity and volume of materials shall fit neatly in the overstock storage space with adequate room for safe access.

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1. Verify compliance with relevant building and fire code.
- D. Specify freestanding storage shelving capable of accommodating the volume and weight of overstock.
- E. Provide lighting.
- F. Refer to the relevant Division in Part III of the CSU Facilities Planning, Design and Construction Standards and verify with Project Representative what overstock shall be provided or omitted from the project. Typical overstock materials include:
  1. Paint – verify compliance with fire safety code
  2. Ceramic Tile
  3. Resilient Tile and Base
  4. Carpet Tile and roll remnants
  5. Ceiling Tile
  6. HVAC filters
  7. Lamps
  8. Custom light fixture parts
  9. Custom signage parts
  10. Fixed furniture parts and fabric

#### **617 – CHEMICAL LABORATORIES**

##### **617.1 – General:**

- A. Work stations or benches in laboratories using hazardous materials shall be separated from office and break room spaces with walls and a door to limit food and drink consumption and to ensure safety from chemical spills or incidents in laboratory spaces.
- B. Conform to NFPA–45, OSHA 29 CFR 1910.1450, applicable OSHA Regulations if an OSHA regulated substance is involved and the University Biosafety Handbook.

#### **618 – CHEMICAL STORAGE ROOMS**

##### **618.1 – General:**

- A. Conform to OSHA 29 CFR 1910.1450, NFPA 1 and NFPA–30.
- B. Rooms shall be suitable to type of materials stored (NFPA–45[1991]) in regards to specific temperature, absence of light, humidity or avoidance of any moisture, explosive conditions, ventilation, blast walls, etc.

#### **619 – PESTICIDE STORAGE**

##### **619.1 – General:**

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A. Conform to NFPA 400.

#### **620 – BATTERY ROOMS**

##### **620.1 – General:**

A. Conform to NFPA 1, OSHA 29 CFR 1910.178 (g), 29CFR1926.441 and NEC.

#### **621 – ANIMAL QUARTERS**

##### **621.1 – General:**

A. Conform to University Biosafety Handbook available from the Project Representative.

B. Conform to USDA Animal Care.

C. Shall be reviewed by Director of Lab Animal Resources through the Project Representative.

#### **622 – BIOHAZARD LOCATIONS AND CONTAINMENT FACILITIES**

##### **622.1 – General:**

A. Conform to the University Biosafety Handbook available through the Project Representative.

#### **623 – SPRAY PAINTING ROOMS/BOOTHS**

##### **623.1 – General:**

A. Conform to OSHA 29 CFR 1910.107, NFPA 1, NFPA–30 and NFPA–33.

#### **624 – WELDING SHOPS**

##### **624.1 – General:**

A. Conform to NFPA–51, 51A and 51B, and OSHA 29 CFR 1910 subpart Q.

#### **625 – COMPRESSED GAS CYLINDER STORAGE**

##### **625.1 – General:**

A. Conform to NFPA–45 and OSHA 29 CFR 1910.101.

#### **626 – HYPERBARIC AND HYPOBARIC CHAMBERS**

##### **626.1 – General:**

A. Conform to NFPA 99 and OSHA Code of Federal Regulations 29 CFR 1910.430 (f).

#### **627 – SEMICONDUCTOR FABRICATION FACILITIES**

##### **627.1 – General:**

A. Conform to NFPA 318.

#### **628 – REFERENCES**

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#### 628.1 – General References:

- A. Colorado Office of the State Architect <https://www.colorado.gov/pacific/osa/bldgcodes>
- B. OSHA Health and Environment Standards
- C. Parts II, III and Additional Documents – CSU Facilities Planning, Design and Construction Standards
- D. Break Rooms, Changing Tables, All Gender Restrooms, Lactation Rooms, Commuter Showers, Reflection Rooms and Spaces, and Bicycle Rooms are consistent with the CSU Policy #5–0135–002: Inclusive Physical and Virtual Campus <http://policylibrary.colostate.edu/policy.aspx?id=750>

#### 628.2 – Lactation Room References:

- A. CSU Policy #3–6004–002: Accommodations for Nursing Parents <http://policylibrary.colostate.edu/policy.aspx?id=458>
- B. Health Care and Education Reconciliation Act of 2010, Colorado Workplace Accommodations for Nursing Mothers Law (C.R.S. §8–13.5–103 – 104), and Colorado State University’s Accommodations for Nursing Mothers Policy.
- C. Child Nutrition Act of 1966, Breastfeeding Promotion Program, 42 U.S.C. §1790
- D. Treasury and General Government Appropriations Act of 2000, sec.647, 41 C.F.R. 102.74.426
- E. Patient Protection and Affordable Care Act, Section 4207, amending the Fair Labor Standards Act, 29 U.S.C. § 207(r)(1)
- F. “Psychology of Color in Lactation Rooms” guidelines available on the CSU Lactation Rooms webpage [https://www.fm.colostate.edu/lactation\\_rooms](https://www.fm.colostate.edu/lactation_rooms)

#### 628.3 – Commuter Shower References:

- A. US Green Building Council, LEED– Bicycle Facilities <https://www.usgbc.org/credits/neighborhood-development-plan-neighborhood-development/v4-draft/sllc4>

#### 628.4 – Indoor Bicycle Parking References:

- A. LEED points are applied to LEED v4 Location and Transportation category and qualify under Bicycle Facilities for 1–2 points. <https://www.usgbc.org/credits/neighborhood-development-plan-neighborhood-development/v4-draft/sllc4?view=language>
- B. CycleSafe. (2015, January 7). Bicycle Room Layout. <https://cyclesafe.com/bicycle-room-layout/>
- C. Simon, S. (2018). Creating a Great Bicycle Room – Design & Layout Tips. <https://blog.madrax.com/blog/bicycle-room-design>
- D. *The Park Catalog*. “Bicycle Lockers Fill the Need for Extra Security and Protection as the Ultimate in Commercial Bicycle Racks,” by Alysa Kleinman. Jun 23, 2016. <https://www.theparkcatalog.com/blog/bicycle-lockers-in-demand/>

END OF CHAPTER