Division 10 Specialties

10 05 00 Common Work Results for Specialties

10 05 10 General Requirements for Specialties

1. The goals and guiding principles of the UW-Madison Campus Master Plan (latest edition) shall be considered and referenced as part of the planning, design, detailing, and material section for every project.

10 10 00 Information Specialties

10 11 00 Visual Display Surfaces

1. The type of visual display boards used throughout a specific project shall be determined during the design phase and reviewed with the UW-Madison Project Manager. Interior chalkboards are not acceptable unless specifically requested by the users.

2. Document cameras should be used whenever possible in large teaching spaces to increase the legibility of written images at a distance and to reduce the need for both writing and projection surfaces. In this situation, the qualities of the projection surface supersede those of the writing surface.

3. Electronic display boards and directory kiosks shall consider accessibility and meet all ADAAG requirements. Contact the UW-Madison FP&M Facilities Access Specialist for Electronic Information Display Guidelines and Specifications.

10 14 00 Signage

10 14 16 Plaques

1. Exterior or interior plaques and engraved surfaces identifying the architect, engineer, landscape architect, or other members of the design team are not permitted on or in UW-Madison buildings. The only plaque, of a similar nature, allowed in UW-Madison buildings is the state plaque denoting the name of the governor and others, coordinated through DFD and specified by using the DFD Master Specifications Section 10 14 16.

2. A/E consultants should coordinate with user groups during the design phase on any interior donor recognition plaques or donor walls, if required.

3. For LEED certified projects, the A/E team is expected to identify various appropriate locations for the plaque, review suggested locations with campus, and ensure proper wall blocking is available.

4. All exterior plaques or engraved objects shall have their design and location approved by UW-Madison Campus Planning and Landscape Architecture.

10 14 17 Exterior Building Identification

1. The building name and address to be used in the construction documents shall be approved by UW-Madison Project Manager prior to its inclusion. If a new building name is needed or modification to an existing facility name is desired for any reason, it
Guidelines for Planning and Design of UW-Madison Facilities
Division 10 Specialties
University of Wisconsin – Madison

will require UW Board of Regents approval. The UW-Madison approved full name and address shall be used for building identification.

2. All exterior signage and displays shall follow campus design standards, policies, and guidelines. Coordinate all exterior signage design, details, sign copy, and locations with the Office of Campus Planning & Landscape Architecture. The cost of this and all other signage shall be borne by the project.

2.1 Signs will follow the UW-Madison Exterior Graphics, Wayfinding, and Signage Policy and the most current version of the companion standards document.

2.1 Each building shall have one campus standard building identification sign. The campus standard signs are especially important near campus boundaries and edges. Building mounted lettering shall only function as secondary signage.

2.2 The campus standard exterior building signs and direction signs are a sole source item and should be purchased through vendor(s) on UW-Madison’s exterior sign contract. Poblocki Sign, Badger State Industries, and Michael’s Signs are three vendors that have historically been on contract and have all the necessary details, specifications, and experience. DFD requires a Class 1 notice to be included in the specifications.

2.3 Coordinate purchase of campus standard signs with Office of Campus Planning and Landscape Architecture.

2.4 Signs shall be located to avoid vandalism.

2.5 Signs shall be placed in planting beds to protect against lawn mower and snow removal damage. If the sign is in a lawn area, a shredded bark mulch bed shall be placed around the sign. Bark mulch shall extend at least 2 feet from all sides of the sign and have 2-foot radii corners.

2.6 Signs shall be placed at least 3 feet from any sidewalk or surface that receives snow removal maintenance.

3. Building-mounted lettering, if used, shall be approved by the UW-Madison Project Manager and Campus Planning & Landscape Architecture. Approval is also required for the specific location, copy, color, and lettering size before its inclusion in the construction documents. This will not replace or duplicate the standard Building Identification Sign.

3.1 Lettering material shall have good visual contrast to background material. ADAAG requires a minimum of 70% contrast.

3.3 All building mounted lettering shall be placed at a height not readily reachable from grade. Anchors shall be drilled and epoxied into place to deter vandalism.

3.4 Lettering material shall be anchored into façade material joints whenever and wherever possible.

4. The application of any non-standard signage on a building’s windows, doors, or site requires approval from UW-Madison Project Manager and Campus Planning & Landscape Architecture.
5. All exterior signage, including anything on the building, the building windows/doors, and the building site shall be included in the 35 percent documents for review and approval.

6. Interior signage that can be viewed from the exterior is discouraged. Adhere to the UW-Madison Policy for Exterior Signage. Any proposed exemptions shall be approved by the UW-Madison Project Manager and Campus Planning & Landscape Architecture.

7. All campus street name signs shall follow campus standards. See the UW-Madison Exterior Graphics, Wayfinding, and Signage Policy and the most current version of the companion standards document.

8. Signage identifying the building completion date may be incorporated in a cornerstone near the entrance to the building if approved by the UW-Madison Project Manager. The signage shall be engraved with the date only.

9. A complete package of proposed exterior building, site, and wayfinding signage (including the design, color choice, proposed locations, and sample mock-up) shall be submitted prior to 100% review document approval.

10 14 18 Interior Signage

1. All interior signage is to be specified by the A/E and provided and installed by the general contractor, including, but not limited to, room names, room numbers, office occupant name holders, lab safety sheet holders, restroom identification, elevator signage, fire stairs identification as required by code, and way finding. Materials and colors for signage shall be determined by the design team with building occupant input and coordinate with the architecture and interior design team.

2. The UW Campus Standard Interior Signage Guidelines are in the Appendix – Division 10 and are available in PDF and CAD formats from the Architecture and Engineering Office at FP&M. The latest version will be consulted when specifying signage.

3. UW-Madison FP&M’s Space Management Office (SMO) is responsible for final review and approval of all room numbering on campus. Prior to the 35% review document approval, it is recommended to provide SMO with a set of floor plans with the A/E’s suggested room numbering, for review. Any room rearrangements and renumbering that happens after this review shall be resubmitted for review and comment.

4. The Space Management Office’s UW-Madison Facility Information Requirements for Capital Projects & Development establishes criteria for facility naming and room numbering for campus. This document can be found in the Appendix – Division 01.

5. A complete signage package of proposed interior, way finding, directory signage, interior stairwell signage and exterior stairwell signage, including the design, color choice, proposed locations, and sample mock-up, must be presented to the campus prior to 100% review document approval.

6. All signs must have integral and tactile Braille lettering and raised pictograms made of a solid material. Taped-on Braille is not acceptable.
7. Generally, non-public rooms such as telecommunications closets, janitor’s closets, storage rooms, etc. shall be denoted by the room number only.

8. Design and installation of signs shall meet ADAAG requirements.

8.1. Signs shall be designed to handle the amount of Braille needed. Everything in Standard English text must be in Braille for those signs requiring Braille.

8.2. A sign shall be provided in the corridor adjacent to every stairwell door with the words “stairwell (letter)” and “floor (number)” in raised letters and Braille. These signs will be mounted per ADA requirement on the latch side of the door. Within stairwells, a sign with the words “floor (number)” will be provided, with raised letters and Braille, and mounted per ADA requirement at the latch side of the door. When a stair has one-way traffic (i.e. When you enter the stairwell, you cannot re-enter the floor but must go to the level of exit discharge), that information must be provided in raised letters and Braille and incorporated into the floor designation sign.

8.3. When stairwell identification signs are to be placed on the same sign placard as floor level signs (or on a separate sign at, or near, the stairwell door’s location) the lettering and numbering of the stairwell identification shall be no more than ½ the size of the lettering and numbers on the sign that indicates the floor level.

8.4. Directional signage shall include symbols for Assistive Listening Devices, TTY’s, Volume Control Phones, and other ADA symbols when needed.

9. Dedicated or Specially Named Rooms:

9.1. Conference rooms, department offices, libraries and other rooms determined by UW-Madison FP&M as spaces deserving of additional information shall have a space title (e.g. Art Department Office, Biology Library, Conference Room A, John D. Doe Seminar Room) as part of accessible room signage. Refer to the Technical Requirements section above for required approval process prior to sign purchase and installation.

10. Area of Refuge (AOR) Signage:

10.1. Every Area of Refuge is required to have signage above the two-way communication device. The sign should be a 12 inch wide by 12 inch high, blue sign panel with raised white letters. The sign should have the 3-1/2 inch International Symbol of Accessibility raised pictograph centered with 5/8 inch upper case text reading “Area of Refuge: In case of fire, press button to indicate your location.” The appropriate Braille (Grade 2) translation should also be included. Signs shall be installed square, plumb and level on the wall, directly above the two-way communicator unit and no further than 12 inches away. See Division 10, Detail 4 at end of this division.

10.2. Additional signs are required to indicate the locations of the Areas of Refuge. The signs may include the following text: “Area of Refuge in Stairwell” or “Area of Refuge outside, through this Door”. The signs shall be accessible per ADA requirements. Contact the UW-Madison FP&M Facilities Access Specialist and EH&S Fire and Life Safety for additional information on all Areas of Refuge related signs.
11. Interior Classroom Signage:

11.1. Assistive Listening Device Signage: It is required to post at least one sign in the room where an Assistive Listening Device (ALD) is available. The sign should be a 7 inch wide by 8 inch high white sign panel with raised black letters. The sign should have a 4 inch black assistive listening device pictograph centered with 5/8 inch upper case text reading “Assistive Listening Device Available.” Appropriate Braille (Grade 2) translation should also be included. Signs will be installed square, plumb and level on the visual display wall; the specific location will be determined by the UW-Madison FP&M Space Management Office. Contact the UW-Madison FP&M Facilities Access Specialist for additional information and drawings regarding the details of this sign.

11.2. Fixed aisle seats that are armless (or have removable arms or fold down arms) must be signed as accessible. An International Symbol of Accessibility decal must designate each seat.

12. Occupancy Signage: Room occupancy signs must be posted in classrooms, lecture halls, auditoriums, theaters, and other rooms required by the IBD and Madison Fire Department.

13. Business Hours Signage: Per the direction of the UW-Madison Police Department, business hours must be posted in highly visible locations (main entrances) at the exterior of all UW-Madison Madison buildings using campus standard signage. The hours posted are not necessarily the only hours the building can be open, but provide a framework for enforcement of any violations. This information can be provided as a decal on the glass.

14. No smoking, no solicitation, and no firearms decal locations shall be coordinated with UW-Madison Project Manager. The decal designs shall follow UW-Madison standards.

15. In compliance with the City of Madison Fire Department, all interior stairway floor number signs must meet the requirements of the International Fire Code, 2015 Edition, Section 1023.9.1. It is suggested that a stair signage mockup is reviewed on-site with the City of Madison Fire Department prior to the submittal of the signage package.

16. Interior signage and graphics visible from the exterior (i.e. through windows or glass doors) are strongly discouraged and shall require approval by UW-Madison Campus Planning and Landscape Architecture.

10 14 53 Traffic Signage and Sign Posts

1. See Section 32 05 30 Design Parameters for Exterior Improvements for more information on signs for parking areas and roadways.

2.1. Sign posts shall be 2 inch x 2 inch 4 hole steel posts, 7/16 inch diameter holes, 1 inch on center. Hot-dip galvanized zinc coating, 14 gauge, powder coat matte black.

2.1.1 Signpost lengths for non-traffic signs shall be determined by sign purpose and be approved by UW-Madison Campus Planning & Landscape Architecture. Typically, there should be 5 feet between bottom of top sign and grade but will vary depending on the sign function, number of signs on post, and location.
Guidelines for Planning and Design of UW-Madison Facilities
Division 10 Specialties
University of Wisconsin – Madison

Regulatory signs shall follow the Manual on Uniform Traffic Control Devices (MUTCD).

2.2. 36 inch galvanized post sleeves shall be used to place signposts in ground.

2.2.1 Use a precast concrete footing for all signposts that have full size traffic signs or have more than one sign. Concrete footing shall be below grade and incorporate a 36 inch galvanized post sleeve, powder coated matte black so the sign post can be easily replaced if damaged.

2.3 All hardware to attach signs to posts shall be tamper proof and 316L stainless steel.

10 14 55 Parking Structure Signage

1. All directional and regulatory signs shall be approved by UW-Madison Transportation Services before documents go to bid. Directional signage shall include traffic way-finding and pedestrian wayfinding to exits and elevators. Vehicle way-finding signs shall be white letters on a blue background and white on green for pedestrian-oriented signs such as for entrances.

1.1.1 All parking structure exterior signs shall also be approved by Campus Planning & Landscape Architecture.

2. Signs shall identify the floors of the structure, including numbers on the doors to stairs and elevator lobbies using a font size no smaller than 24 inches tall.

3. Hanging signs in parking structures must be 6-9 inches wide by 36 inches long and mounted directly to the concrete ceiling or other structural member.

4. Regulatory vehicle signs should conform to the size and/or color scheme described in the MUTCD.

5. Signs for accessible stalls shall be provided by UW-Madison Transportation Services to be installed by the contractor in consultation with UW-Madison Transportation Services.

6. Two campus standard lot identification signs shall be provided by UW-Madison Transportation Services to be installed by the contractor at all vehicle entrances to the facility. Signs shall be posted before final completion.

7. Clearance height bars shall be displayed at each entrance and 50 feet before any change in height within the structure.

8. All parking structures shall have electrical conduit run out to the street area near the entrance to support a campus standard kiosk sign if such a sign is planned. The contractor shall be responsible for running electricity, pouring the foundation, and the installation for the kiosk per manufactures guidelines. UW-Madison Transportation Services and Campus Planning & Landscape Architecture shall approve the sign location. UW-Madison Transportation Services shall provide the kiosk sign.

1.8.1 Parking Ramp Kiosk shall follow campus standards and be approved by UW-Madison Transportation Services and Campus Planning & Landscape Architecture.
10 20 00 Interior Specialties

10 21 00 Compartments and Cubicles

10 21 13 Toilet Compartments
1. All toilet partitions shall be ceiling mounted and fully braced above the ceiling to ensure stability.
2. For durability all partitions shall be made of stainless steel, solid plastic, phenolic, or other material. Painted metal and plastic laminate partitions are not acceptable.

10 26 00 Wall and Door Protection

10 26 13 Corner Guards
Projects shall include corner guards in high traffic areas, especially where damage is expected to occur due to carts or other mobile equipment in order to protect gypsum wallboard corners. The type of corner guard shall be left to the discretion of the design team.

10 28 00 Toilet, Bath, and Laundry Accessories

10 28 13 Toilet Accessories
1. Toilet Paper Dispensers:
   1.1. The campus standard for all toilet paper dispensers is Tork 56TR in smoke gray, holding two 9 inch rolls of toilet paper. In standard stalls, the dispensers shall be mounted at 32 inches minimum/48 inches maximum above finished floor to the operable portion of the unit. The dispenser has a translucent cover which helps with maintaining adequate stock.
   1.2. Toilet paper dispensers in accessible stalls with vertical grab bars require a special arrangement. The unit must be mounted 7-9 inches from the front of the water closet to the centerline of the dispenser and a minimum of 1 foot, 3 inches above finished floor to the operable portion of the unit. The unit shall be mounted below the horizontal grab bar. An additional dispenser unit is also required; it can be mounted as noted above to allow the stall to be more universally accessible for all users. Refer to ANSI A117.1 section 604.7 for detailed mounting dimensions.
   1.3. Tork 66TR can be specified in single occupant toilet rooms. It holds one 9 inch roll.
2. Soap Dispensers:
   2.1. One soap dispenser for each lavatory shall be provided if at all possible. These can be mounted to the wall, mirror over the sink.
   2.2. The campus standard wall mounted soap dispenser is SCJ Professional Deb Proline Curve Dispenser Product Code 91128 and it also supports the campus standard foam soap. The SCJ Professional logo typically seen on the cut sheet can be replaced by a custom design logo at your request. Please review this option with the campus user group and contact the rep for details on providing artwork.
2.3. Provide at least 13 inches of space for wall mounted soap dispensers between the back splash and the mirror.

2.4. Soap dispensers shall use the one liter foam soap refill cartridge.

3. Air Dryers and Paper Towel Dispensers:

3.1. The campus would like to reduce paper clutter in toilet rooms by prioritizing the use of air dryers and reducing the use of paper towel dispensers. The campus standard for air dryers are the Dyson Airblade V and the XLerator by Excel Dryers. Care should be taken when making selections as to the proximity of noise-sensitive areas. These units shall be mounted to meet accessibility requirements. The top of the unit shall be mounted at 32 inches above the finished floor.

3.2. Air dryers and paper towel dispensers shall be installed in all multiple occupancy/high use toilet rooms. When paper towels are present, adequate waste receptacles are needed to minimize the amount of trips that are necessary to empty the receptacles.

3.3. The campus standard paper towel dispenser is Tork 84TR 8 inch diameter hard wound roll towel dispenser. As an alternative, the Tork 86ECO with electronic touch free sensor can be used. The unit takes (4) D-cell batteries which would be the facilities occupant’s responsibility to purchase.

4. Toilets, Lavatories, and Urinals:

4.1. Install electronic sensor flush valves on all urinals.

5. Sanitary Napkin Disposal Receptacle and Dispenser:

5.1. Recessed toilet compartment accessories are not acceptable. Campus standard is surface mounted. Combination toilet paper/sanitary napkin or partition disposal units are not acceptable. All should be surface mounted. All wall mounted sanitary napkin dispensers shall be surface mounted. Recessed or semi-recessed are not desirable.

5.2. Machines shall dispense both sanitary napkins and tampons and the coin mechanism shall be at FREE. Machine needs to be able to dispense Gards size #147 and Tampons T-500.

5.3. The unit shall meet ADA/ADAAG requirements.

5.4. An acceptable dispenser is Bobrick B-2706 Series. Other series with the same operating mechanism are also acceptable.

6. Built in waste receptacles are encouraged and shall be specified to be provided with the liner.

7. A shelf with a maximum depth of 4” and/or coat/bag hooks shall be provided in all toilet rooms.

8. Shelves for small handheld items shall be installed at an accessible height above all sinks, urinals and in toilet stalls. These can be provided as wall mounted equipment or
architecturally designed as a recess. All shelves above accessible sinks and in accessible stalls shall meet ADAAG requirements.

9. In addition to these smaller shelves, an area capable of supporting multiple larger and heavier items such as backpacks shall be designed within the shared open area of all toilet rooms. This surface shall meet ADA/ADAAG requirements.

10 40 00 Safety Specialties

10 41 00 Emergency Access and Information Cabinets

1. Background: The UW-Madison Police Department (UWPD) provides 24/7 service to The University of Wisconsin-Madison. All emergency calls and alarms (including all fire alarms) on the campus report to the UWPD Communications Center. Personnel in this center respond to these calls for service and dispatch the appropriate personnel (MFD, EMS, and UWPD). It is UWPD’s Standard Operating Procedure to dispatch UWPD staff to all calls including fire and EMS calls.

2. UWPD maintains keys to all buildings and all areas on the UW-Madison campus. UWPD utilized security staff that patrols the campus responding to all calls that may require entry to locked areas. All campus buildings shall include the installation of an emergency access key box (Knox Box 4400 series recess with tamper switch) as required by the International Fire Code. A Knox Box 4400 series box shall be installed whenever a fire alarm system, access control and/or sprinkler system is added to or modified.

3. Policy Statement as recommended by UW-Madison Police Planning and Development Division: The UW-Madison requires that an Emergency Access Key Box be provided at the main entrance to every new building. The A/E shall coordinate specific location with the MFD. All boxes will contain a mechanical key for perimeter entry to the building and no grand masters. This recessed box will also hold a mechanical key to the fire command room or to the area where the main fire panel exists. The campus standard box is Knox 4400, fully recessed, with tamper resistant switch to be monitored through Metasys. The model shall have “normally closed” contacts and shall be wired directly to the DDC field controller. The reporting verbiage to the system shall read, “Unauthorized entry to Knox Box key.” The finish can be selected by the architect. It is recommended that they are mounted 4 feet above grade.

4. Knox Box inventory is managed by EH&S Fire & Life Safety in conjunction with other campus stakeholders (UWPD, UW Lock Shop, Madison Fire Department). EH&S Fire & Life Safety shall be responsible for coordinating testing and functionality of Knox Box tamper switch as well as verification of keys and access control FOB’s function. Three sets of building keys and three UWPD FOBs will be needed for placement within each campus Knox Box install.

10 43 00 Emergency Aid Specialties

10 43 10 Emergency Safety Appliances

1. All projects shall include a minimum of one Automated External Defibrillator (AED) to be located such that it is easily seen and accessed. Coordinate location with UW Project Manager and UW-Madison Environment, Health and Safety (EH&S). The preferred design standard is a Zoll AED plus.
2. When applicable, locate emergency equipment in a consistent area from lab to lab and floor to floor.

3. A swing-arm and deck-mounted eyewash will preferably be located within reach of a sink to facilitate weekly flushing. Alternatively, an ADA compliant pull-down eyewash may be used, but shall capture full water flow in a plumbed drain. This is required for weekly flushing specified by ANSI Z358.1. Eye wash push pedals shall be metal, not plastic.

4. Eye wash stations that mechanically recess into the wall are not permitted. Eye wash, Showers, and Eye wash/Shower Safety Stations must be physically and readily accessible for use without unfolding from a wall or releasing from an enclosed space. Alternative designs shall be reviewed by Environment, Health and Safety, prior to acceptance and installation.

5. Where chemicals may be used, eyewashes shall be provided in all mechanical spaces as requested by UW-Madison EH&S.

6. Height and placement of all eyewashes shall meet ADAAG standards.

7. If a vacuum breaker is required in an eyewash or shower line, it shall be located after the shutoff valve (normally not pressurized). Refer to Division 22 Plumbing.

8. Emergency showers shall be provided with a floor drain per the manufacturer’s recommendations.

10 43 13 Defibrillator Cabinets

1. Public Access Defibrillation. Automatic external defibrillators (AED’s) are lightweight, portable devices that provide an electrical shock capable of restoring the normal heart rhythm of cardiac arrest victims. Immediate, on-site access to this device for people who suffer a cardiac arrest has been found to greatly improve their chance of survival. Wisconsin Statutes allow for the purchase, maintenance and use of AED’s in the public setting. Such places may include, but are not limited to, long-term care facilities, rural health or dental clinics, athletic facilities, schools, factories, churches, day care centers and other community facilities.

2. The purchase, placement, use and maintenance of AEDs at the University of Wisconsin-Madison shall conform to the requirements established in the policy established by EH&S Fire and Life Safety. No work unit is permitted to purchase or install an AED without approval by the process established therein.

3. The appropriate procedures for a work unit to place an AED unit in a building, department or vehicle are:
   - Determine whether the placement meets the criteria.
   - Designate a Work Unit AED Coordinator to administer and maintain the program.
   - With the assistance of EH&S, select an AED unit, an appropriate location and complete a “Work Unit Plan to Use an AED”.

4. Placement criteria for AEDs at UW-Madison are established by the EH&S Fire and Life Safety using the information listed below. In general, funding for AEDs including installation and signage will be the responsibility of the work unit.
   - Work units are encouraged to contact EH&S to obtain more specific information on AEDs as applicable to their operations.
• The selection of manufacturer and model of AED will be based on standardization of units by campus location whenever possible. EH&S in consultation with UW-Madison University Health Services, will specify an appropriate model for consistency. However, the work unit will be responsible to purchase the AED model.

• Zoll AEDPlus is the standard AED for use on campus.

5. Maintenance and Inspection Requirements for AEDs:

Continuous equipment maintenance is an important element in ensuring a successful program. Equipment is maintained through the following processes:

• At UW-Madison campus locations, Physical Plant (PP) will be responsible to conduct initial installation of all AED wall mounted storage boxes in accordance with manufacturer’s recommendation. An AED wall mounted sign shall also be installed at this time.

• For Non-University campus locations, the AED coordinator will coordinate the installation of the AED wall mounted storage box and wall mounted sign.

• AED monthly inspections shall be performed by EH&S Fire & Life Safety. All inspection records of inspections shall be maintained by EH&S Fire & Life Safety.

10 44 00 Fire Protection Specialties

10 44 13 Fire Extinguisher Cabinets

1. All fire extinguisher cabinets shall be furnished and installed by GC.

2. UW-Madison Environment, Health and Safety Department shall provide all fire extinguishers for campus buildings, purchased from the project’s moveable equipment fund. All designs shall be reviewed by the Madison Fire Department.

3. A/E shall verify, with EH&S Fire & Life Safety, the size of extinguishers to be provided and then to specify the cabinet size and style accordingly. At a minimum, cabinet must be 6” deep and 24” high. Include label reading “Fire Extinguisher” for the exterior of the cabinet. All cabinet locations should be shown on 35% review documents. All designs shall be reviewed by MFD and EH&S Fire & Life Safety.

4. The operable portion of all fire extinguishers is to be no higher than 48 inches above the finished floor in order to be compliant with ADA. Mounting height of cabinets shall be adjusted accordingly. In no case shall the clearance between the bottom of the fire extinguisher and the floor be less than 4 inches.

5. Recessed fire extinguisher cabinets are preferred, but if they cannot be accommodated, semi recessed cabinets can be used; however cabinets shall not protrude further than 4 inches from the wall in accommodation with ADAAG.
10 44 16 Fire Extinguishers
1. The UW-Madison Environment, Health and Safety Department provides all fire extinguishers for campus buildings, purchased as OFOI from the project’s moveable equipment budget.
2. The UW-Madison's most used fire extinguisher is Amerex 441, which is 20 inches tall with the operable handle at the top.

10 44 43 Fire Extinguisher Accessories
No fire axes are allowed in UW-Madison buildings.

10 50 00 Storage Specialties

10 51 00 Lockers
1. All lockers shall have sloped tops unless recessed into the wall.
2. Locker size shall be specified by the building occupants to meet their needs. It is suggested that they be able to accommodate both a bike helmet and a backpack. Depending on the needs of the users, they may be purse size, half height or full height. Check with the campus on specifics needs of the building occupants.
3. 5% of lockers shall be accessible per ADAAG.

10 70 00 Exterior Protective Covers

10 73 00 Protective Covers

10 73 13 Awnings
1. Exterior awnings on UW-Madison campus buildings are prohibited.

10 80 00 Other Specialties

10 86 00 Mirrors in Parking Structures
1. Parking structures shall be outfitted with mirrors in corners and other “blind spot” areas where oncoming vehicles in two-way traffic may not be adequately visible to each other.
2. Underground and lower-level areas of parking structures shall be outfitted with mirrors in areas where visibility around corners is poor and persons would otherwise be hidden.
3. Floors shall have directional mirrors at the ends of the drive lanes and at any obstructed corners.
Interior Signage

See the following attachment
**GENERAL NOTES**

1. All signage must comply with the current requirements of ICC A117.1, Americans with Disabilities Act (ADA), International Building Code, and UW guidelines.

2. All text must be tactile and include corresponding Grade II Braille unless noted otherwise.

3. Font: Helvetica, uppercase only unless noted otherwise. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms. The use of Sarif fonts is prohibited.

4. Color contrast between background and text/pictograms shall meet requirements of ICC A117.1. Standard colors are based on 2/90 signage colors:
   - Black #704
   - Earth #728
   - Dark Gray #734
   - White #708
   - Silver #150 or Brushed Natural #104

5. Room numbering must be coordinated with UW FP&D Space Management Office (SMO).

6. Material finishes shall be non-glare.

7. Include appropriately sized backer panels for all glass-mounted signage.

8. See Sheet "X1" for typical installation details.

9. Material thickness shall be 1/8" minimum.

---

**SIGN TYPE R-1, WOMEN’S RESTROOM OR LOCKER ROOM**

- WOMEN
- 234
- *See Sheet "X3" for typical restroom sign construction & pictogram size/placement*

**SIGN TYPE R-2, MEN’S RESTROOM OR LOCKER ROOM**

- MEN
- 234
- *See Sheet "X3" for typical restroom sign construction & pictogram size/placement*
GENERAL NOTES

1. ALL SIGNAGE MUST COMPLY WITH THE CURRENT REQUIREMENTS OF ICC A117.1, AMERICANS WITH DISABILITIES ACT (ADA), INTERNATIONAL BUILDING CODE, AND UW GUIDELINES.

2. ALL TEXT MUST BE TACTILE AND INCLUDE CORRESPONDING GRADE II BRAILLE UNLESS NOTED OTHERWISE.

3. FONT: HELVETICA, UPPERCASE ONLY UNLESS NOTED OTHERWISE. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSAL FORMS. THE USE OF SARIF FONTS IS PROHIBITED.

4. COLOR CONTRAST BETWEEN BACKGROUND AND TEXT/PICTOGRAMS SHALL MEET REQUIREMENTS OF ICC A117.1. STANDARD COLORS ARE BASED ON 2/90 SIGNAGE COLORS:
   - BLACK #704
   - EARTH #728
   - DARK GRAY #734
   - WHITE #708
   - SILVER #150 OR BRUSHED NATURAL #104

5. ROOM NUMBERING MUST BE COORDINATED WITH UW FP&D SPACE MANAGEMENT OFFICE (SMO).

6. MATERIAL FINISHES SHALL BE NON-GLARE.

7. INCLUDE APPROPRIATELY SIZED BACKER PANELS FOR ALL GLASS-MOUNTED SIGNAGE.

8. SEE SHEET "X11" FOR TYPICAL INSTALLATION DETAILS.

9. MATERIAL THICKNESS SHALL BE 1/8" MINIMUM.

SIGN TYPE R-3, SINGLE USER RESTROOM / SHOWER

0" = 1'-0"

6" = 1'-0"
1. **SIGN TYPE E-1, STAIR ID, OUTSIDE STAIRWELL**

   **STAIR A**
   - **LEVEL**
   - **STAIR IDENTIFICATION - NON-TACTILE TEXT**
   - **LEVEL IDENTIFICATION**
   - **TEXT & BRAILLE CENTERED HORIZONTALLY**
   - **6" = 1'-0"**
   - **BRAILLE TO MATCH TACTILE TEXT ABOVE**

   **LEVEL # TO #**
   - **(NO) ROOF ACCESS**
   - **DOWN TO LEVEL #**
   - **FOR EXIT DISCHARGE**

   **INDICATE DIRECTION TO EXIT DISCHARGE - NON-TACTILE**

   **APPLIES TO ROOMS LABELED "STAIR".**
   - TO BE INSTALLED INSIDE STAIRWELL AT EACH LEVEL PER IBC AND MFD REQUIREMENTS.
   - TEXT ON SIGNAGE WITHIN HIGH RISE BUILDINGS SHALL BE SELF-LUMINOUS OR PHOTOLUMINESCENT IN ACCORDANCE WITH IBC 1025.4.

2. **SIGN TYPE E-2, STAIR ID, INSIDE STAIRWELL**

   **LEVEL**
   - **STAIR IDENTIFICATION - NON-TACTILE TEXT**
   - **LEVEL IDENTIFICATION**
   - **TEXT & BRAILLE CENTERED HORIZONTALLY**
   - **6" = 1'-0"**

   **LEVEL # TO #**
   - **(NO) ROOF ACCESS**
   - **DOWN TO LEVEL #**
   - **FOR EXIT DISCHARGE**

   **INDICATE DIRECTION TO EXIT DISCHARGE - NON-TACTILE**

   **APPLIES TO ROOMS LABELED "STAIR".**
   - TO BE INSTALLED INSIDE STAIRWELL AT EACH LEVEL PER IBC AND MFD REQUIREMENTS.
   - TEXT ON SIGNAGE WITHIN HIGH RISE BUILDINGS SHALL BE SELF-LUMINOUS OR PHOTOLUMINESCENT IN ACCORDANCE WITH IBC 1025.4.
IN CASE OF FIRE

USE STAIR

DO NOT USE ELEVATOR

SIGN TYPE E-3, AREA OF REFUGE, OUTSIDE STAIRWELL
6" = 1'-0"

SIGN TYPE E-4, AREA OF REFUGE, INSIDE STAIRWELL
6" = 1'-0"

SIGN TYPE E-5, ELEVATOR INSTRUCTIONS
6" = 1'-0"

GENERAL NOTES

1. ALL SIGNAGE MUST COMPLY WITH THE CURRENT REQUIREMENTS OF ICC A117.1, AMERICANS WITH DISABILITIES ACT (ADA), INTERNATIONAL BUILDING CODE, AND UW GUIDELINES.

2. ALL TEXT MUST BE TACTILE AND INCLUDE CORRESPONDING GRADE II BRAILLE UNLESS NOTED OTHERWISE.

3. FONT: HELVETICA, UPPERCASE ONLY UNLESS NOTED OTHERWISE. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORM. THE USE OF SARIF FONTS IS PROHIBITED.

4. COLOR CONTRAST BETWEEN BACKGROUND AND TEXT/PICTOGRAMS SHALL MEET REQUIREMENTS OF ICC A117.1. STANDARD COLORS ARE BASED ON 2/90 SIGNAGE COLORS:
   - BLACK #704
   - EARTH #728
   - DARK GRAY #734
   - WHITE #708
   - SILVER #150 OR BRUSHED NATURAL #104

5. ROOM NUMBERING MUST BE COORDINATED WITH UW FP&D SPACE MANAGEMENT OFFICE (SMO)

6. MATERIAL FINISHES SHALL BE NON-GLARE.

7. INCLUDE APPROPRIATELY SIZED BACKER PANELS FOR ALL GLASS-MOUNTED SIGNAGE

8. SEE SHEET "X11" FOR TYPICAL INSTALLATION DETAILS.

9. MATERIAL THICKNESS SHALL BE 1/8" MINIMUM.
**General Notes**

1. All signage must comply with the current requirements of ICC A117.1, Americans with Disabilities Act (ADA), International Building Code, and UW guidelines.
2. All text must be tactile and include corresponding Grade 2 Braille unless noted otherwise.
3. Font: Helvetica, uppercase only unless noted otherwise. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms. The use of SARIF fonts is prohibited.
4. Color contrast between background and text/pictograms shall meet requirements of ICC A117.1. Standard colors are based on 2/90 signage colors:
   - Black #704
   - Earth #728
   - Dark Gray #734
   - White #708
   - Silver #150 or Brushed Natural #104
5. Room numbering must be coordinated with UW FP&D Space Management Office (SMO).
6. Material finishes shall be non-glare.
7. Include appropriately sized backer panels for all glass-mounted signage.
8. See sheet "X11" for typical installation details.
9. Material thickness shall be 1/8" minimum.

1. **Sign Type W-1, Large Directional**

   - 6" = 1'-0"
   - Inserts: Magnetic or tape mount to backer
   - Silkscreen or digitally print text
   - Text sizes shall comply with Table 703.2.4-Visual Character Height from ICC A117.1 - 09

2. **Sign Type W-2, Small Directional**

   - 6" = 1'-0"
   - Silkscreen or digitally print text
   - Text sizes shall comply with Table 703.2.4-Visual Character Height from ICC A117.1 - 09

**University of Wisconsin-Madison**

Facilities Planning and Management
Physical Plant - Architects/Engineers
30 N. Mills Street, Madison, WI 53715
NOT TO EXCEED 12"

6" MIN.

MECHANICALLY FASTENED TO WALL

(PICTO OR TEXT/ARROWS)

MIN 80" AFF

• SILKSCREEN OR DIGITALLY PRINT TEXT
• TEXT SIZES SHALL COMPLY WITH TABLE 703.2.4-VISUAL CHARACTER HEIGHT FROM ICC A117.1 - 09

SIGN TYPE W-3, LARGE FLAG

6" = 1'-0"

6" MIN.

MECHANICALLY FASTENED TO WALL

(PICTO)

MIN 80" AFF

• SILKSCREEN OR DIGITALLY PRINT TEXT
• TEXT SIZES SHALL COMPLY WITH TABLE 703.2.4-VISUAL CHARACTER HEIGHT FROM ICC A117.1 - 09

SIGN TYPE W-4, SMALL FLAG

6" = 1'-0"
GENERAL NOTES

1. ALL SIGNAGE MUST COMPLY WITH THE CURRENT REQUIREMENTS OF ICC A117.1, AMERICANS WITH DISABILITIES ACT (ADA), INTERNATIONAL BUILDING CODE, AND UW GUIDELINES.

2. ALL TEXT MUST BE TACTILE AND INCLUDE CORRESPONDING GRADE II BRAILLE UNLESS NOTED OTHERWISE.

3. FONT: HELVETICA, UPPERCASE ONLY UNLESS NOTED OTHERWISE. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS. THE USE OF SANS FONTS IS PROHIBITED.

4. COLOR CONTRAST BETWEEN BACKGROUND AND TEXT/PICTOGRAMS SHALL MEET REQUIREMENTS OF ICC A117.1. STANDARD COLORS ARE BASED ON 29W SIGNAGE COLORS:
   - BLACK #704
   - EARTH #728
   - DARK GRAY #734
   - WHITE #708
   - SILVER #150 OR BRUSHED NATURAL #104

5. ROOM NUMBERING MUST BE COORDINATED WITH UW FP&D SPACE MANAGEMENT OFFICE (SMO)

6. MATERIAL FINISHES SHALL BE NON-GLARE.

7. INCLUDE APPROPRIATELY SIZED BACKER PANELS FOR ALL GLASS-MOUNTED SIGNAGE

8. SEE SHEET "X11" FOR TYPICAL INSTALLATION DETAILS.

9. MATERIAL THICKNESS SHALL BE 1/8" MINIMUM.
GENERAL NOTES

1. ALL SIGNAGE MUST COMPLY WITH THE CURRENT REQUIREMENTS OF ICC A117.1, AMERICANS WITH DISABILITIES ACT (ADA), INTERNATIONAL BUILDING CODE, AND UW GUIDELINES.

2. ALL TEXT MUST BE TACTILE AND INCLUDE CORRESPONDING GRADE II BRAILLE UNLESS NOTED OTHERWISE.

3. FONT: HELVETICA, UPPERCASE ONLY UNLESS NOTED OTHERWISE. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS. THE USE OF SANS FONTS IS PROHIBITED.

4. COLOR CONTRAST BETWEEN BACKGROUND AND TEXT/PICTOGRAMS SHALL MEET REQUIREMENTS OF ICC A117.1. STANDARD COLORS ARE BASED ON 29X SIGNAGE COLORS:
   - BLACK #704
   - EARTH #728
   - DARK GRAY #734
   - WHITE #708
   - SILVER #104 OR BRUSHED NATURAL #104

5. ROOM NUMBERING MUST BE COORDINATED WITH UW FP&D SPACE MANAGEMENT OFFICE (SMO)

6. MATERIAL FINISHES SHALL BE NON-GLARE.

7. INCLUDE APPROPRIATELY SIZED BACKER PANELS FOR ALL GLASS-MOUNTED SIGNAGE

8. SEE SHEET “X11” FOR TYPICAL INSTALLATION DETAILS.

9. MATERIAL THICKNESS SHALL BE 1/8” MINIMUM.
GENERAL NOTES

1. All signage must comply with the current requirements of ICC A117.1, Americans with Disabilities Act (ADA), International Building Code, and UW guidelines.

2. All text must be tactile and include corresponding Grade II Braille unless noted otherwise.

3. Font: Helvetica, uppercase only unless noted otherwise. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms. The use of Sarif fonts is prohibited.

4. Color contrast between background and text/pictograms shall meet requirements of ICC A117.1. Standard colors are based on 2/90 signage colors:
   - Black #704
   - Earth #728
   - Dark Gray #734
   - White #708
   - Silver #150 or Brushed Natural #104

5. Room numbering must be coordinated with UW FP&D Space Management Office (SMO).

6. Material finishes shall be non-glare.

7. Include appropriately sized backer panels for all glass-mounted signage.

8. See sheet "X11" for typical installation details.

9. Material thickness shall be 1/8" minimum.
WALL BACKER - INSET 1/4" MIN FROM FACEPLATES, ALL SIDES

FACEPLATE TACTILE TEXT BRAILLE BACKER PANELS MECHANICALLY FASTENED TO WALL

FACEPLATES MOUNTED WITH VHB MOUNTING TAPE TO BACKERS

GLASS BACKER - INSET 1/4" MIN FROM FACEPLATES, ALL SIDES

FACEPLATE TACTILE TEXT BRAILLE BACKER PANELS MECHANICALLY FASTENED TO WALL

FACEPLATES MOUNTED WITH VHB MOUNTING TAPE TO BACKERS

GLASS BACKER ON OPPOSITE SIDE OF GLASS, MATCH SIGNAGE COLORS AND SIZE

BACKER PANELS FASTENED TO WALL WITH VERY HIGH BOND (VHB) MOUNTING TAPE OR EQUIVALENT ADHESIVE

FACEPLATES ADHERED TO BACKERS WITH VHB MOUNTING TAPE

GENERAL NOTES

1. ALL SIGNAGE MUST COMPLY WITH THE CURRENT REQUIREMENTS OF ICC A117.1, AMERICANS WITH DISABILITIES ACT (ADA), INTERNATIONAL BUILDING CODE, AND UW GUIDELINES.

2. ALL TEXT MUST BE TACTILE AND INCLUDE CORRESPONDING GRADE II BRAILLE UNLESS NOTED OTHERWISE.

3. FONT: HELVETICA, UPPERCASE ONLY UNLESS NOTED OTHERWISE. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORM. THE USE OF SARIF FONTS IS PROHIBITED.

4. COLOR CONTRAST BETWEEN BACKGROUND AND TEXT/PICtOGRAMS SHALL MEET REQUIREMENTS OF ICC A117.1. STANDARD COLORS ARE BASED ON 2/90 SIGNAGE COLORS:
   - BLACK #704
   - EARTH #728
   - DARK GRAY #734
   - WHITE #708
   - SILVER #150 OR BRUSHED NATURAL #104

5. ROOM NUMBERING MUST BE COORDINATED WITH UW FP&D SPACE MANAGEMENT OFFICE (SMO)

6. MATERIAL FINISHES SHALL BE NON-GLARE.

7. INCLUDE APPROPRIATELY SIZED BACKER PANELS FOR ALL GLASS-MOUNTED SIGNAGE

8. SEE SHEET "X11" FOR TYPICAL INSTALLATION DETAILS.

9. MATERIAL THICKNESS SHALL BE 1/8" MINIMUM.

3 TYPICAL INSTALLATION ELEVATIONS

WAYFINDING - LARGE WAYFINDING - SMALL OVERHEAD FLAG

6" = 1'-0" 1/2" = 1'-0"

TYPICAL MOUNTING - GWB & CONCRETE

TYPICAL MOUNTING - GLASS

UW CAMPUS STANDARD INTERIOR SIGNAGE

INSTALLATION DETAILS

DRAWN BY: FOSDAL

University of Wisconsin-Madison
Facilities Planning and Management
Physical Plant - Architects/Engineers
30 N. Mills Street, Madison, WI 53715

REVISIONS

No. By: Date: Description:

DATA ISSUED 03/12/2020
Division 10 Detail 4

Refer to Division 10 14 18 Interior Signage, Item 9 for Area of Rescue Assistance signage information.

Specifications
- 12” (w) x 12 (h)" blue sign panel
- Raised white letter letters per specification and ADA requirements
- 4.75” white handicap pictograph, centered
- 1/2” text, centered
- Upper case letters only
- Braille (Grade 2) translation included
- Includes vinyl tape for mounting

Sign Location
Signs will be installed square, plumb and level at the location as indicated in FP&M Technical Guidelines.