

10 00 00. SPECIALTIES**10 00 03. GENERAL PROVISIONS**

- .1 Refer to Division 00, paragraph 00 00 37, Fixtures, Furniture and Equipment (FF&E)
- .2 DESIGNS: The Architect/Engineer (A/E) shall provide layouts of all Specialties to determine function and space use for the project. Submittals are required as outlined in the Architect/Engineer (A/E) Agreement for Basic Services.
- .3 CONSTRUCTION COORDINATION: The A/E shall clearly define Contractor responsibilities relative to receiving, storage and installing all items in this Division.
The A/E is to locate and coordinate all blocking, support and services for installation of all items in this Division.

10 10 00. INFORMATION SPECIALTIES**10 11 00. VISUAL DISPLAY SURFACES**

- .1 WARRANTIES: Lifetime warranty required and shall indicate that under normal usage and maintenance, porcelain enamel steel chalkboards and markerboards and glass markerboards are guaranteed for the life of the building.
- .2 DESIGNS: All product specifications, accessory items, colors, finishes, applications and details are to be reviewed and approved by the University Architect prior to the final development of the Construction Documents.
- .3 Manufacturer shall have a minimum of 5 years' experience in the manufacture of visual display boards.

10 11 13.13 FIXED CHALKBOARDS

- .1 BUDGET ALLOCATIONS: Fixed classroom and public chalkboards shall be considered Fixed Equipment and are funded within the Construction Budget.
- .2 MATERIALS AND CONSTRUCTION: Chalkboards shall be porcelain enamel steel and shall be manufactured in accordance with Porcelain Enamel Institute's specification. Porcelain enamel finish shall be fusion bonded to a 24 gauge steel substrate at temperature necessary to reduce steel and porcelain stresses and achieve superior enamel bond and hardness.
 - .2.1 Face Sheet: 24 gauge steel.



- .2.2 Core Material: 1/4" hardboard, 7/16" MDF or 3/8" particle board.
- .2.3 Panel Backing: Aluminum foil (0.005 inch thick) or sheet (0.014 inch thick)* moisture barrier.
- .2.4 Laminations: Moisture resistant hot type neoprene contact adhesive to both surfaces with minimum of 80% coverage. Laminations shall be made by face sheet manufacturer.
- .3 TRAY: Standard continuous, solid box type aluminum tray with ribbed section and injection molded end closures.
- .4 MAP RAIL: Standard continuous, 2" map rail with cork insert and end stops at the top of each board. Furnish (4) map hooks every eight feet.

10 11 13.43 PORTABLE CHALKBOARDS

- .1 REQUIREMENTS: Warranty, Selection Approval, Materials and Construction same as indicated for Fixed Chalkboards.
- .2 BUDGET ALLOCATIONS: Portable Markerboards are considered Movable Equipment and acquired by the university utilizing a fund allocation within the total project funds but independent of the Construction Budget.
- .3 MATERIALS AND CONSTRUCTION: Chalkboards shall match and coordinate with the design intent of the Construction Documents and Movable Equipment design. In general, they shall be porcelain enamel steel and required durability is same as for pool classroom use.

10 11 16.13 FIXED MARKERBOARDS

- .1 BUDGET ALLOCATIONS: Fixed Classroom and public Markerboards shall be considered Fixed Equipment and are funded within the Construction Budget.
- .2 MATERIALS AND CONSTRUCTION:
 - .2.1 Porcelain Enamel Steel Markerboard
 - .2.1.2 Face Sheet: 24 gauge steel
 - .2.1.3 Core Material: 1/4" hardboard, 7/16" MDF or 3/8" particle board
 - .2.1.4 Panel Backing: Aluminum foil (0.005 inch thick) or sheet (0.014 inch thick)* moisture barrier.



.2.1.5 . Laminations: Moisture resistant hot type neoprene contact adhesive to both surfaces with minimum of 80% coverage. Laminations shall be made by face sheet manufacturer.

.2.1.6 Accessories

.2.1.6.1 TRAY: Standard continuous, solid box type aluminum tray with ribbed section and injection molded end closures.

.2.1.6.2 MAP RAIL: Standard continuous, 2" map rail with cork insert and end stops at the top of each board. Furnish (4) map hooks every eight feet.

.2.2 Glass Board Markerboard

.2.2.1 Tempered low iron safety writing glass minimum thickness 1/4 inch for heavy-duty use. Polished edges. Back painted.

.2.2.1.1 MAGNETIC BOARDS: Magnetic glass markerboards shall have magnetic backing permanently adhered to the back of the glass.

.2.2.2 Non-staining and non-ghosting writing surface

.2.2.3 Mounting – Heavy-duty aluminum cleating on back side (invisible) or stainless steel stand-offs.

.2.2.4 Accessories: Trays and marker holders by same manufacture. Installation to be securely mounted to wall.

.2.2.4.1 MAGNETIC BOARDS: Provide one set of rare earth magnets for each magnetic glass markerboard installed.

Need product cuts for Wexner Medical Center specific products and requirements

.2.3 GLASS-LIKE POLYMER BLEND MARKERBOARD

.2.3.1 Optically clear, polymer blend with a non-staining and non-ghosting writing surface and opaque color backer.

.2.3.1 Shatterproof

.2.3.3 Magnetic

.2.3.4 Mounting – heavy duty manufacturer Z clip system

Need product cuts for Wexner Medical Center specific products and requirements

10 11 16.43 PORTABLE MARKERBOARDS

- .1 REQUIREMENTS: Warranty, Designs, Materials and Construction same as indicated for Fixed Markerboards.
- .2 BUDGET ALLOCATIONS: Portable Markerboards are considered Movable Equipment and acquired by the university utilizing a fund allocation within the total project funds but independent of the Construction Budget.
- .3 MATERIALS AND CONSTRUCTION: Markerboards shall match and coordinate with the design intent of the Construction Documents and Movable Equipment design. In general, they shall be porcelain enamel steel and required durability is same as for pool classroom use.

10 11 16.53 ELECTRONIC MARKERBOARDS

- .1 BUDGET ALLOCATIONS: Electronic Markerboards are considered technology equipment and acquired by the university as Movable Equipment. Conduits, power, data, blocking and other support for technology however, shall be designed and funded within the Construction Budget.
- .2 CONSTRUCTION COORDINATION: Necessary power, data, blocking and other support for technology equipment shall be included in the Construction Documents.

10 11 23. TACKBOARDS

- .1 DESIGNS: In public corridors and lobbies, the A/E shall make provisions for tack board and display areas as required by the project and integrated into the architectural design of the building. Typically, small tack boards are located outside each classroom, office, conference room and other areas of assembly for general memos and other information. Large tack boards and displays are located in public areas. Coordinate room signage, donor plaques, artwork and other graphics if they are scheduled to be in the same location.

All product specifications, accessory items, colors, finishes, applications and details are to be reviewed and approved by the University Architect prior to the final development of the Construction Documents.

10 11 23.13 FIXED TACKBOARDS

- .1 BUDGET ALLOCATIONS: Fixed Classroom and public Tackboards are considered Fixed Equipment and are funded within the Construction Budget.
- .2 MATERIALS AND CONSTRUCTION: Tackboards shall be vinyl fabric faced, fabric faced, integral colored cork, or natural cork laminated to 1/2" thick mineral fiber board. Provide fabric and tackable core with flame-spread rating of 25 or less when tested according to ASTM E-84.

Wexner Medical Center: Verify proper tackboard finish in each space (i.e., no fabric or vinyl faced tack boards in patient care areas).

10 11 23.43 PORTABLE TACKBOARDS

- .1 BUDGET ALLOCATIONS: Portable tackboards are considered Movable Equipment and acquired by the university utilizing a fund allocation within the total project funds but independent of the Construction Budget.
- .2 MATERIALS AND CONSTRUCTION: Tackboards shall match and coordinate with the design intent of the Construction Documents and Movable Equipment design. In general, they shall be vinyl fabric face, fabric faced, integral colored cork, or natural cork laminated to 1/2" thick mineral fiber board and required durability is same as for classroom pool use. Provide fabric and tackable core with flame-spread rating of 25 or less when tested according to ASTM E-84.

10 11 33. HORIZONTAL SLIDING VISUAL DISPLAY UNITS

- .1 BUDGET ALLOCATIONS: Fixed Research Classroom Horizontal Sliding Visual Display Units shall be considered Fixed Equipment and are funded within the Construction Budget.
- .2 HORIZONTAL SLIDING PANELS: Fabricate panels from manufacturer's standard chalkboard, markerboard, and tackboard components as identified above. Provide panels that operate smoothly under manual activation without vibration or chatter
 - .2.1 Identify back panel surface and sliding panel surfaces.
 - .2.2 Identify number and type of sliding panels and tracks.
 - .2.3 Sliding Hardware: Overhead extruded aluminum track with nylon ball-bearing rollers and channel shaped bottom guides.

10 11 43. VISUAL DISPLAY WALL PANELS

- .1 DESIGNS: Visual display walls are considered Fixed Equipment and shall be included in the Construction Documents.
- .2 OUTLETS: All power, data and accessory outlets furnished by the manufacturer shall be the same type and quality as those specified in Division 26 of the Construction Documents and conform to current OBC. Note limitations regarding conduit types and sizes.

10 12 00. DISPLAY CASES

- .1 DESIGNS: In public corridors and lobbies, the A/E shall make provisions for display cases as required by the project. These display areas shall be integrated into the architectural design of the building.

All product specifications, accessory items, colors, finishes, applications and details are to be reviewed and approved by the University Architect prior to the final development of the Construction Documents.
- .2 BUDGET ALLOCATIONS: Built in Display Cases are considered Fixed Equipment and shall be included in the Construction Documents.

10 13 00. DIRECTORIES

- .1 DESIGNS: All product specifications, accessory items, colors, finishes, applications and details are to be reviewed and approved by the University Architect prior to the final development of the Construction Documents.
- .2 BUDGET ALLOCATIONS: Building and floor directories are considered Fixed Equipment and included as Signage in the Construction Documents. See Signage for further information.
- .3 QUANTITIES: Each building shall have at least one primary directory in the main entrance of the building to serve the entire building. Secondary directories on each floor may be required depending on the complexity of the building.
- .4 **Wexner Medical Center: Contact the Wexner Medical Center signage coordinator for all Medical Center signage requirements inclusive of budget.**

10 14 00. SIGNAGE

- .1 DESIGNS: The University has a standardized system for all campus signage. The A/E shall consult with the University Signage Coordinator (SC) to outline sign



requirements, based on Appendix S, and submission of a sign request form (<https://fod.osu.edu/make-request>).

- .2 During the DD Phase the A/E shall consult with provide floor plans to Facilities Information Technology Services (FITS) for assignment of room numbers. Refer to 00 00 _ 18.3 for instructions.
- .3 The A/E shall provide the SC floor plans with room assignments.
- .4 The A/E shall place in the specifications that the Contractor shall enter into an agreement with UniPrint to make and install all project signage required by code and outlined in the university signage standards. The A/E shall provide an allowance in the Project Manual for signage after consulting with the SC to outline sign requirements. The Contractor shall coordinate the signage installation by UniPrint with project work schedule and inspections.
- .5 For Regional Campus projects: The A/E shall place in the specification that the Contractor shall enter into an agreement with UniPrint to make and install all signage required by code and outlined in the university signage standards. The A/E shall provide an allowance in the Project Manual for signage after consulting with the SC to outline sign requirements. The Contractor shall coordinate the signage installation by the Regional Campus with project work schedule and inspections.
- .6 **Wexner Medical Center: Contact the Wexner Medical Center Signage Coordinator for all Medical Center signage requirements inclusive of budget. Most Medical Center interior signage is owner provided, owner installed.**
- .7 BUDGET ALLOCATIONS: All signage is considered Specialty items or Fixed Equipment and shall be included in the construction Documents unless otherwise directed by the University Project Manager See Appendix S for University Signage Standards.

10 14 16. PLAQUES

- .1 DESIGNS: Each new or renovated building shall have at least one Building Memorial Plaque and may have numerous Donor Recognition plaques or areas of Donor recognition. Consult with the University Project Manager for details applicable to each project.
- .2 BUILDING MEMORIAL PLAQUE: For new and renovated buildings, the A/E shall make provisions for a wall area in the main lobby or in the vestibule to the main lobby to be used for installation of a 12-inch x 18-inch bronze memorial plaque. The wall area shall be architecturally designed to provide an aesthetic setting for the plaque and shall be adequately lighted. Consult with the University Architect if the plaque is to be part of the Construction Documents or will be provided by

the University at a future date. The A/E shall provide adequate blocking or other materials to support the Plaque as part of the Construction Documents.

- .3 DONOR RECOGNITION AND ROOM PLAQUES: The A/E shall be aware of and make provisions (space, applicable blocking, utilities and lighting) in the building for donor recognition areas and room plaques. Donor recognition items and the design of donor recognition graphics are funded outside the project budget. The University Architect is responsible for directing the design and installation of donor recognition.

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- .5 **Wexner Medical Center:** Contact the Wexner Medical Center signage for all Medical Center signage coordinator requirements inclusive of budget. Most Medical Center interior signage is owner provided, owner installed.

10 18 00. INFORMATION KIOSKS

- .1 DESIGNS: All product specifications, accessory items, colors, finishes, applications and details are to be reviewed and approved by the University Architect prior to the final development of the Construction Documents.
- .2 BUDGET ALLOCATIONS: Information Kiosks are considered Fixed Equipment and included as Signage in the Construction Documents. See Signage for further information.

10 21 00. COMPARTMENTS AND CUBICLES

- 10 21 11 COMMERCIAL TOILET ACCESSORIES: One per toilet compartment for individuals with disabilities: Georgia Pacific #56784A or #56790; One per standard toilet compartment: Georgia Pacific #56744s (quad dispenser)

- 10 21 12 PAPER TOWEL DISPENSERS: Available from XPEDX, 1-800-669-7101(no substitutions): Two (2) per toilet room: Kimberly-Clarke Automatic Hands-Free Roll Towel #D9706 Smoked Gray

10 21 13. TOILET COMPARTMENTS

- .1 DESIGNS: All product specifications, accessory items, colors, finishes, applications and details are to be reviewed and approved by the University Architect prior to the final development of the Construction Documents.

Materials: Galvannealed Metal toilet partitions and urinal screens preferred, other materials used only with prior approval. Powder coat painted finish.

Wexner Medical Center: Solid phenolic toilet partitions and urinal screens preferred, other materials used only with prior approval.

Anchors and fasteners: Vandal type screw anchors, toggle bolts, hollow wall anchors or other approved type to suit construction on which items are hung. Wood, lead and plastic plugs are prohibited. Consider using additional transom supports for ceilings over 9'-0" with ceiling mounted partitions.
Door latches and pulls: Specify slide latches and pulls for out-swinging doors.

- .2 STANDARD STALL: Ceiling hung partition systems. Spacing shall be 3 feet. o.c. Depth shall be 5 feet. Include proper structure to prevent racking. Partition system to be no-peek. Include occupancy indicators on the outside face of doors, integral with locking mechanism.

.2.1 Doors and Panels: 1 inch thick.

.2.2 Pilasters: 1-1/4 inch thick

Wexner Medical Center: Phenolic toilet compartment panel dimensions:

.2.1 Doors: 3/4 inch thick.

.2.2 Panels: 1/2 inch thick.

.2.3 Pilasters: 3/4 inch thick.

- .3 STANDARD URINAL SCREEN: Wall hung with two panel brackets and floor-to-ceiling vertical upright consisting of pilaster anchored to floor and ceiling.

.3.1 Panels: 1 inch thick.

.3.2 Pilasters: 1-1/4 inch thick.

Wexner Medical Center: Phenolic urinal screen panel dimensions:

.3.1 Panels: 1/2 inch thick.

.3.2 Pilasters: 3/4 inch thick.

- .4 ADAAG COMPLIANT TOILET PARTITIONS: Standard ceiling mounted partitions. All toilet stalls designated usable by individuals with disabilities shall be 60"x60".

4.1 The centerline of the water closet must be located 18 inches from the wall or partition. A fraction of 1/4 inch either way is an approved installation tolerance. A memorandum describing any departures for ADAAG and/or University standards

for accessibility shall be included with the Construction Documents and a copy provided to the ADA Coordinator for the University.

- .5 Grab Bars: Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the grab bar, fastener, mounting device, or supporting structure.
- .5.1 Grab bar wall reinforcement must be sufficient to permit the installation of rear and side wall grab bars that fully meet all accessibility requirements including, but not limited to, required length, installation height, and structural strength.
- .5.2 Anchors and fasteners: Toggle bolts, hollow wall anchors or other approved types to suit construction on which grab bars are mounted. Wood, lead and plastic plugs are prohibited. A/E shall verify the anchors installed meet the structural strength requirements.
- .5.3 The grab bar fastening system shall be of a concealed type.
- .5.4 GENERAL PROVISION: Include in the specifications a statement that, during final inspection of the buildings, the contractor will be required to remove at least one randomly selected grab bar in the presence of designated University personnel so that it can be checked for proper installation. If the one grab bar is found to be installed in a defective manner, the contractor will be required to remove and properly reinstall all grab bars.

10 21 23. CUBICLES

10 21 23.13 CUBICLE CURTAINS

- .1 DESIGNS: All fabrics shall be rated for extra heavy duty commercial use and conform to current OBC.
- .2 BUDGET ALLOCATIONS: Curtains are considered Movable Equipment and are acquired by the university utilizing a fund allocation within the total project funds but independent of the Construction budget.
- .3 CUBICLE CURTAINS: Curtains shall be made from the same dye lot and meet ASTM E84 Class A requirements and be flameproofed in accordance with NFPA 701. Size curtains 20 percent wider than track length. **Terminate curtain 12 inches** above finished floor. Consult Ohio State FOD for University Campus standard.

Wexner Medical Center: Size contains minimum 20% wider than track length. Curtain to be fabricated in 6-foot wide sections, joined by snaps at vertical



seams. Fabric to be treated with anti-microbial, water-resistant finish. Terminate curtain 12-inches above finished floor. Mesh to have split flex-on rings to attach to offset track.

- .3.1 Washability Standards: Comply with International Fabricare Institute Commercial Laundry Test.
- .3.1.1 Colorfastness shall average Class 4 after 100 cycles and meet or exceed shrinkage requirements for ANSI performance for woven drapery fabric
- 3.1.2 Fabric shall be washable with water temperatures to 160 degrees F. in low alkaline detergent.
- .3.2 Lightfastness: Meet AATCC Method IGA-72, N.A.F.M. requirements of 40 hours, Class 5.
- .3.3 OPEN MESH CLOTH: Open weave, flameproof, same color as curtain .Finished and hemmed mesh dimensions shall be 22 inches high x length of curtain.

10 21 23.16 CUBICLE TRACK AND HARDWARE

- .1 DESIGNS: All track and hardware proposed shall be rated for extra heavy duty commercial use and approved by the University for use.

- 1.1 Necessary blocking, support and services for installation of the Equipment shall be included in the Construction Documents.

Wexner Medical Center: See Interior Finish Schedule for approved manufacturer, type, and color.

Wexner Medical Center: Track to be offset style. Coordinate with Ohio State Wexner Interior Design Planner for coordination of blocking.

- .2 BUDGET ALLOCATIONS: Track and Hardware is considered as part of the Movable equipment purchase. Exceptions to this are instances where powered hardware is required. Powered hardware is considered Fixed Equipment and shall be provided in the Construction Documents.

10 22 00. PARTITIONS

10 22 19. DEMOUNTABLE PARTITIONS

- .1 DESIGNS: Demountable partitions are considered Fixed Equipment and shall be included in the Construction Documents.

- .2 OUTLETS: All power, data and accessory outlets furnished by the manufacturer shall be the same type and quality as those specified in Division 26 of the Construction Documents and conform to current OBC. Note limitations regarding conduit types and sizes.

10 22 33 ACCORDION FOLDING PARTITIONS

- .1 DESIGNS Avoid using in rooms with floor level changes. Avoid using floor tracks. Avoid using as a fire exit. A/E to provide STC performance rating.

10 22 39 FOLDING PANEL PARTITIONS

- .1 DESIGNS/ Avoid using in rooms with floor level changes. Avoid using floor tracks. Avoid using as a fire exit. A/E to provide STC performance rating.

10 26 00 WALL AND DOOR PROTECTION

- .1 DESIGNS: All product specifications, accessory items, colors, finishes, applications and details are to be reviewed and approved by the University Architect prior to the final development of the Construction Documents.
- .2 PERFORMANCE CRITERIA, GENERAL:
- .2.1 Impact Strength: Protection products and assemblies shall have been successfully tested for conformance to applicable provisions of ASTM D256 and/or ASTM F476.
 - .2.2 Chemical and Stain Resistance: Protection products and assemblies shall have chemical and stain resistance conforming to applicable provisions of ASTM D543.
 - 2.3 Fungal Resistance: Protection products and assemblies shall pass ASTM G21 testing.
- .3 PERFORMANCE OF INSTALLED ASSEMBLIES:
- .3.1 Bumper Rails, Metal Crash Rails, Protective Corridor Handrails:
 - 3.1.1 Support vertical live load of 100 lb/lineal ft with deflection not to exceed 1/50 of span between supports.
 - .3.1.2 Resist lateral force of 250 lbs at any point without damage or permanent set.

- .3.2 Corner Guards (Flush Mounted and Surface Mounted) Bumper Rails, Metal Crash Rails, Protective Corridor Handrails:
 - .3.2.1 Resist lateral force of 100 lbs at any point without damage or permanent set.
- .4 HIGH IMPACT WALL COVERING; Vertical butt joints finished with color matched joint sealant and manufacturer's standard top molding, matching high impact wall covering color.

Wexner Medical Center: High impact wall covering shall be 0.060 thick in all locations. See Interior Finish Schedule for approved manufacturers, types, and colors.

10 28 00. TOILET, BATH AND LAUNDRY ACCESSORIES

10 28 13. TOILET ACCESSORIES

- .1 DESIGNS: All product specifications, accessory items, colors, finishes, applications and details are to be reviewed and approved by the University Architect prior to the final development of the Construction Documents.
- 1.1 The University has selected standard products for use. All proposals shall require approval of the University Architect prior to finalization of the Construction Documents. _
- .2 BUDGET ALLOCATIONS: Toilet Accessories are considered Fixed Equipment and shall be included in the Construction Documents.

Wexner Medical Center: See Interior Finish Schedule for approved manufacturers, types, and colors.

10 28 13.13 COMMERCIAL TOILET ACCESSORIES

- .1 TOILET TISSUE HOLDERS (no substitutions):
- One (1) per toilet compartment for individuals with disabilities: Georgia Pacific Dual Toilet Paper Dispenser, Horizontal, double roll, plastic, Black, MFG PN 56784A. The contractor shall obtain dual toilet paper dispensers at no cost from FOD's Stock Room. One (1) per standard toilet compartment: Georgia Pacific Quad Toilet Paper Dispenser, Roll Capacity 4 Rolls, Black, MFG PN: 56764A. The contractor shall obtain quad toilet paper dispensers at no cost from FOD's Stock Room.



- .2 PAPER TOWEL DISPENSERS (no substitutions): Two (2) per toilet room in clinical restrooms only:
- Georgia Pacific, enMotion 10" Automated Touchless Paper Towel Dispenser, Black, Supplier PN: D59462, MFG PN: 594-62A. Contractor to obtain paper towel dispenser at no cost from FOD's Stock Room; mounting heights: Men=44", Women=40" (floor to bottom of cabinet). Maximum height reach of 48" to operable parts for front approach. Paper towel dispensers in non-clinical restrooms are prohibited (see 10 28 13.13.9 for specifications on hand dryers)
- .3 SOAP DISPENSERS (no substitutions): Furnished by the Facilities Operations and Development's Stock Room. Coordinate with the University Project Manager. Note that there is a 4-week lead time.
- .4 SANITARY NAPKIN DISPENSER (no substitutions):
- One (1) per Women's toilet room:
- Hospital Specialty Company K-20H Free; Available from Cottingham Paper Company, 614-294-6444.
- SANITARY NAPKIN RECEPTACLE (no substitution): One (1) per each two (2) Women's toilet compartments:
- Hospital Specialty Company Double Entry, Swing Top Floor Receptacle, Metal, White, Supplier PN 69079, MFG PN: HOSPECO 2201 Receptacle. The contractor shall purchase sanitary napkin receptacle from FOD's Stock Room.
- .5 GARMENT HOOKS: Each toilet stall shall have a garment hook. The hooks shall be mounted on the partition; hooks in stalls for use by individuals with disabilities shall be on the partition, reachable from the water closet and approximately 48 in. maximum above the floor. The hook can incorporate door bumper hook.
- .6 SHELVES: Each toilet room shall have a shelf for books, purses, etc. Shelf height shall be 40" min and 48" max above the floor.
- .7 MIRRORS: Specify framed mirrors without shelves. If possible, locate mirrors on walls opposite lavatories. Specify long mirrors, for use by persons with disabilities, with bottom 2 ft. above floor and with top located at 74 inches minimum above the floor. Check and coordinate mirror locations to prevent image reflection through room entrances.
- .8 DIAPER CHANGING STATION (Assembly areas opened to the public) Specify one Diaper Deck* for diaper changing for each toilet room.
- .9 HAND DRYERS: All restrooms shall be equipped with 1 hand dryer for every two sinks. Any more than two hand dryers shall require Facilities Operations and Development (FOD) approval. The hand dryer will have equivalent or better specifications than the Dyson HU02. Some of the HU02 models' features include:



a HEPA filter, touch free capacitive sensor activation, and a sound power level of 79 dB (A) or better. The operating temperature range shall not exceed 104 degrees F. The hand dryer dimensions will be Height 15 ½", Width 9 7/32", Depth 4". No paper towel dispensers shall be installed. All Hand dryers will be mounted above a white, stainless steel backplate (H 31 ½", W 15 ¾", D 1/32") similar or equal to Dyson AB12. Hand dryers will feature zero waste decals, which shall be obtained through FOD. The contractor shall purchase hand dryers from FOD's Stock Room.

10 40 00. SAFETY SPECIALTIES

- .1 EMERGENCY SHOWERS AND EYE WASHES – The locations of these safety devices should be within 50 feet or 10 seconds of a chemical or biological substance deemed hazardous. The use of the latest ANSI Z358 standard for these safety devices should be specified. ANSI requires the water to be tepid and/or tempered. The devices should not be obstructed or be located near other hazards such as electrical outlets and panels.

Wexner Medical Center: See Emergency Eyewash Guidelines

https://fod.osu.edu/sites/default/files/appendix_mc_b.pdf

10 43 00. EMERGENCY AID SPECIALTIES

10 43 16. FIRST AID CABINETS

- .1 DESIGNS: First Aid cabinets shall be furnished and installed by the General Contractor and shall be OSHA approved and sized to the using population.
- The quantity, selection and locations of First Aid Cabinets are subject to the review and approval of the University Project Manager and designated university personnel.

10 43 17. AED CABINETS

- .1 DESIGNS: Provide semi-recessed cabinets with maximum projection of 4" to meet ADA.

10 44 00. FIRE PROTECTION SPECIALTIES

10 44 13. FIRE EXTINGUISHER CABINETS

- .1 DESIGNS: All portable fire extinguishers and non-valve cabinets shall be furnished and installed by the General Contractor. All portable fire extinguishers



and components shall conform with National Fire Protection Association (NFPA) Pamphlet 10, latest edition. Each extinguisher shall be approved by Underwriter's Laboratory (UL) and bear their label.

STUDENT LIFE: Fire extinguisher cabinets shall have solid door, with no glass or lock.

An acceptable means of identifying fire extinguisher location must be done by an arrow type sign. See Appendix A, a-1-6.5 of NFPA pamphlet 10.

CABINETS: Painted steel, flanged recessed (similar to fire hose cabinets), lockable and comparable to the preferred Model 2409 Series, Duo Panel Break Glass style of cabinet manufactured by Larsen's Manufacturing Co.. Cabinet internal dimensions shall be not less than 9.5" wide, 6.5" deep, and 24" high. Accommodates up to 10 Lbs ABC Fire Extinguisher. Lock shall be Alike-Keyed Standard Key Cam Lock with Model #CH751 key. Verify door thickness. Finish: Bright Chrome. The full fire rating and acoustical rating of the structure walls must be maintained.

SECURITY CONCERN AREAS: Provide each locked, tempered glass fronted fire equipment cabinet with a knocker or other glass breaking mean. Review with FOD's Fire System Shop and PM. Attach knocker in a manner that will allow breaking of glass without removing knocker.

Commentary: *In areas where fire extinguisher cabinet security is not required solid doors, with no glass or lock are acceptable. Consider using metal wall brackets for mounting fire extinguishers at back-of-house service areas.*

Refer to NFPA pamphlet 10, chapters 2, 3, and 4. Chapter 2 is used to determine the classification of potential fires and the rating or relative fire extinguishing effectiveness of various types of extinguishers. Chapter 3 assists in selection of extinguishers which is dependent upon the character of anticipated fires, property construction and occupancy, the vehicle or hazard to be protected, ambient temperature conditions, and other factors. The maintenance of extinguishers is determined by Chapter 4.

- .2 **APPROVALS:** The selection and locations of fire extinguishers are subject to the review and approval of the University Architect and designated university personnel. Extinguishers meeting the described requirements, including those manufactured by Fire Chief, Kidde, and General, will be considered for acceptance.
- .3 **CONSTRUCTION COORDINATION:** Penetration of walls by cabinets or other penetrations, unless openings and voids are sealed with fireproof materials, is prohibited. Fire-rated walls must not have the rating reduced by penetrations or reduction of thickness.

**10 44 16. FIRE EXTINGUISHERS**

- .1 DESIGNS: All fire extinguishers are to be complete, tested, certified, ready for use, and conform to the following:

CARBON DIOXIDE EXTINGUISHERS: Red enameled-steel or aluminum equipped with valve, discharge hose and horn, squeeze-grip lever, and mounting bracket, if not cabinet installed. Minimum rating 5 BC.

MULTI-PURPOSE EXTINGUISHERS: Red enameled-steel, pressurized type equipped with pressure gauge, discharge nozzle, squeeze-grip lever, and mounting bracket, if not cabinet installed. These extinguishers are dry chemical for Class A, B, and C fires. Minimum rating 4A 60 BC.

SPECIAL EXTINGUISHERS: Fully equipped types for use on the specific Class D combustible metal hazards and Class K Food Service Operations.

For computer rooms, expensive laboratory installations and similar locations, which must be protected from damage, Halotron I type extinguishers with at least 5 lbs. 5B:C rating.

10 50 00. STORAGE SPECIALITES**10 51 13 METAL LOCKERS**

- .1 DESIGN: Coordinate lock mechanism for patient lockers with department.
- .2 METAL LOCKERS: Factory assembled, edges finished smooth. Baked enamel finished interior and exterior surfaces. Where ends or sides are exposed, provide flush panel closures. Provide filler strips where needed, securely attach to lockers. Provide sloped tops at non-recessed lockers.
- .3.1 Body and Shelves: Minimum 24 gauge.
- .3.2 Base: Minimum 20 gauge, 4 inches high.
- .3.3 Door Frame: Minimum 16 gauge.
- .3.4 Doors, Channel Style: Minimum 16 gauge
- .3.5 Doors, Sandwich Style: Minimum 18 gauge outer face and minimum 20 gauge interior face, intermediate stiffener ribs, with recessed for operating handle and locking device.
- .3.6 Sloped Top: Minimum 20 gauge, closed ends.

- .3.7 Trim: Minimum 20 gauge.
- .3 **Wexner Medical Center LOCKS: Codes shall be provided in Excel format and provided to the Wexner Medical Center Lock Shop for logging.**
 - .3.1 Built in locks: Provide as needed based on the swing of the locker door.
 - a. Right Handed: Master Lock MA-1630-CD-F205MK.
 - b. Left Handed: Master Lock MA-1631-CD-F205MK
 - 3.2 Combination locks: Master Lock MA-1525-CD-V64MK padlock with key control feature.
- 10 51 23 PLASTIC-LAMINATE-CLAD LOCKERS
 - .1 DESIGN: Coordinate lock mechanism for patient lockers with department.
 - .2 PLASTIC-LAMINATE-CLAD LOCKERS:
 - .2.1 Locker Exterior: NEMA LD3 plastic laminate, 0.030 inch vertical grade.
 - .2.2 Locker Interior: High density particle board core with high-impact abrasion resistant, melamine.
 - .2.3 Shelves: High density industrial grade particle board core, abrasion resistant melamine.
 - .2.4 Locker Frame: Exposed edges of locker case and shelves faced with 0.5 minimum PVC. Seal interior butt joints of shelves and dividers.
 - .2.5 Locker Doors: Exterior and interior shall be NEMA LD3 plastic laminate, 0.030 inch vertical grade. All four door edges trimmed in matching 0.5 mm PVC with radiused corners.
 - .2.6 Filler and Trim: Match locker exterior.
 - Wexner Medical Center Wilsonart 7946-38 (Brazilwood) with white melamine interior**
 - .3 **Wexner Medical Center LOCKS: Codes shall be provided in Excel format and provided to the Wexner Medical Center Lock Shop for logging.**
 - .3.1 Built in locks: Provide as needed based on the swing of the locker door.
 - a. Right Handed: Master Lock MA-1630-CD-F205MK.
 - b. Left Handed: Master Lock MA-1631-CD-F205MK
 - 3.2 Combination locks: Master Lock MA-1525-CD-V64MK padlock with key control feature.

10 55 00. POSTAL SPECIALTIES

- .1 DESIGNS: The A/E shall provide a primary Mail Room for US Mail and university mail delivery and distribution adjacent to the building entrance or loading dock for each new building or building renovation. Room size shall be applicable to the number of departments serviced in the building and volume of delivery. Minimum room size shall be 100 square feet. Secondary Mail Rooms on upper floors may be required for applicable distribution.

Postal facilities, serviced by the U.S. Postal Service, are subject to inspection and approval by the Customer Service Section of the U.S. Postal Service. during the planning process and arrange for examination of construction documents for conformance to regulations and inspection of the installation(s) during construction.

All Postal product specifications, accessory items, colors, finishes, applications and details are to be reviewed and approved by the University Architect prior to the final development of the Construction Documents.

- .2 BUDGET ALLOCATIONS: Unless otherwise noted, Postal Mail Room and Distribution Equipment is considered Fixed Equipment and shall be included in the Construction Documents.
- 3 CONSTRUCTION COORDINATION: The A/E is to coordinate all requirements and services leading to Postal Equipment locations on the Construction Drawings. Penetration of walls or floors by chutes and boxes, unless openings and voids are sealed with fireproof materials, is prohibited. Fire-rated walls or floors must not have the rating reduced by penetrations or reduction of thickness.

10 55 13. CENTRAL MAIL DELIVERY BOXES

- .1 INDIVIDUAL MAIL BOXES: Located at the Mail Room. U.S. Postal Standard Equipment sizes. Unless otherwise stipulated in the Program of Requirements, one box shall be provided for each faculty/staff member in the building. Boxes shall be installed for loading from inside Mail Area and unloading from corridor. Mailboxes corridor door locks shall be fitted with Best cylinders, keyed to the university keying system. Fronts of boxes shall be numbered in sequence determined by the university. Rear of each box shall be provided with label holder, or equivalent, for identification. **Custom Millwork mail sorter boxes are prohibited.**
- .2 DEPARTMENTAL MAIL BOXES: Located at the Mail Room. U.S. Postal Standard Equipment sizes. Unless otherwise noted in the Program of

Requirements, one Department Box shall be provided for each Department. Size boxes for Department volume needs. Boxes shall be installed for loading from inside the Mail Room and unloading from the corridor. Corridor door locks shall be fitted with Best cylinders, keyed to the university keying system. Front of boxes shall be numbered in sequence determined by the University. Rear of box shall be provided with label holder, or equivalent for identification. **Custom Millwork mail sorter boxes are prohibited.**

- .3 MOVABLE EQUIPEMENT SORT MODULES: For open mail distribution in secure department areas, adjustable Movable Equipment open mail sorters may be used for each faculty/staff member. Only adjustable mail system equipment which utilizes standard, legal and oversize shelf dividers suited for common sizes of mail shall be considered. **Custom millwork mail sorter units are prohibited.**

- .4 The Architect/Engineer (A/E) shall place in the specifications that the Contractor supplying the Mail Boxes shall enter into an agreement with Facilities Operations and Development's (FOD's) Lock & Key Services to install the final cores during the construction period. Provide an allowance for this work after consulting with FOD's Lock & Key Services for current/project charges per core (approximately 1/10 hour per core at the University's current Skilled Craft Rate).

10 55 16. MAIL COLLECTION BOXES

- .1 U.S. POSTAL SERVICE STANDARD BOX: One standard wall-mounted box, officially approved by the U.S. Postal Service, shall be installed at a first floor Mail Room or in the main lobby or entrance way of each building. All regulation markings shall be provided. This box must be located within 100 feet of an entrance at which the Postal vehicle can be parked. Locks must conform to Postal Regulations. Depending upon who picks up the mail, a campus key may be provided.

10 56 00. STORAGE ASSEMBLIES

10 56 13. METAL STORAGE SHELVING

- .1 DESIGNS: All product specifications, accessory items, colors, finishes, applications and details are to be reviewed and approved by the University Architect prior to the final development of the Construction Documents. The building design and Construction Documents must include all structural requirements, services and construction coordination for the installation of this equipment.
- .2 BUDGET ALLOCATIONS: Metal Storage Shelving shall be considered Fixed Equipment and are funded within the Construction Budget. In some cases, the

university may choose to purchase Metal Storage Shelving for a project. In these cases, the cost of the equipment is moved from Construction funds to Equipment funds for purchase.

10 56 26. MOBILE STORAGE SHELVING

- .1 **DESIGNS:** All product specifications, accessory items, colors, finishes, applications and details are to be reviewed and approved by the University Architect prior to the final development of the Construction Documents. The building design and Construction Documents must include all structural requirements, services and construction coordination for the installation of this equipment.
- .2 **BUDGET ALLOCATIONS:** Mobile Storage Shelving shall be considered Fixed Equipment and are funded within the Construction Budget. In some cases, the University may choose to purchase Mobile Storage Shelving for a project. In these cases, the cost of the equipment is moved from Construction funds to Equipment funds for purchase.

10 57 00. WARDROBE AND CLOSET SPECIALTIES

10 57 13. HAT AND COAT RACKS

- .1 **DESIGNS:** Wall and door mounted coat hooks and all blocking shall be included in the Construction Documents for offices and conference areas.
- .2 **CONSTRUCTION COORDINATION:** With the exception of wall and door mounted coat hooks, other Accessory items may be provided by the University. A list of university furnished items will be submitted to the A/E for appropriate Construction Document coordination of blocking or placement. Rough layouts, showing the placement of all accessories, must be submitted with the schematic and design development submittals.

10 80 00 OTHER SPECILITIES

10 82 00. GRILLES AND SCREENS

10 82 13. EXTERIOR GRILLES AND SCREENS

- .1 **DESIGNS:** Louvers and vents for air distribution systems should be specified in Division 23. The HVAC Contractor shall be required to furnish and install all interior louvers and vents. If such items are an integral part of the exterior design of a building and are not connected directly to an air distribution system, specify



in Section 08 91 00 Louvers that the General Contractor shall purchase and install them. Provide drainable louvers for all exterior locations.

END OF DIVISION 10 - SPECIALTIES