10 00 00. SPECIALTIES
10 00 03. GENERAL PROVISIONS

.1 Refer to PART ONE, paragraph 00037, Fixtures, Furniture and Equipment (FF&E)

.2 DESIGNS: The Associate shall provide layouts of all Specialties to determine function and space use for the project. Submittals are required as outlined in the Associate Agreement for Basic Services.

.3 CONSTRUCTION COORDINATION: The Associate shall clearly define Contractor responsibilities relative to receiving, storage and installing all items in this Division. The Associate 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

10 11 13. CHALKBOARDS

.1 WARRANTIES: Lifetime warranty required and shall indicate that under normal usage and maintenance, porcelain enamel steel chalkboards 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. Writing surface shall be standard black.

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: ¼" hardboard, 7/16"MDF or 3/8" particle board

.2.3 Panel Backing: aluminum foil or sheet moisture barrier

.2.4 Laminations: 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 Office 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. MARKERBOARDS

.1 WARRANTIES: Lifetime warranty required and shall indicate that under normal usage and maintenance, porcelain enamel steel 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.

10 11 13.13 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: Markerboards 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: ¼” hardboard, 7/16”MDF or 3/8” particle board
   .2.3 Panel Backing: aluminum foil or sheet moisture barrier
   .2.4 Laminations: 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 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 Associate shall make provisions for tack board and display areas as required by the project. These tack boards and display areas shall be 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. The Associate shall be alerted to coordinate room signage, donor plaques, artwork and other graphics if these 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 face, fabric faced or 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 ASTME-84.

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 face, fabric faced or 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 ASTME-84.
10 11 43. VISUAL DISPLAY WALL PANELS

.1 See Demountable Partitions

10 12 00. DISPLAY CASES

.1 DESIGNS: In public corridors and lobbies, the Associate 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.

10 14 00. SIGNAGE

.1 DESIGNS: The University has a standardized system for all campus signage. The Associate shall follow the requirements outlined in Appendix S for the development of all signage for a project. All proposals require approval of the Campus Graphics Coordinator in the University Architect prior to finalization of the Construction Documents.

.2 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 Architect. See Appendix S for details.

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 Architect for details applicable to each project.

.2 BUILDING MEMORIAL PLAQUE: For new and renovated buildings, the Associate 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 Associate shall provide adequate blocking or other materials to support the Plaque as part of the Construction Documents.
.3 DONOR RECOGNITION AND ROOM PLAQUES: The Associate 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.

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 20 00. INTERIOR SPECIALTIES

10 21 00. COMPARTMENTS AND CUBICLES
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: Metal toilet partitions 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

Door latches and pulls: Specify slide latches and pulls for out-swinging doors.

.2 STANDARD STALL: Spacing shall be 3 ft. o.c. Depth shall be 5'-0". Standard, ceiling hung partitions.

.3 ADAAG COMPLIANT TOILET PARTITIONS: Standard ceiling mounted partitions. All toilet stalls designated usable by individuals with disabilities shall be 60"x60". The water closet must be located 18" (inches) from the wall or partition. A fraction of 1/4" (inches) 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.

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.
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.

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

.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 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.

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.

10 28 13.13 COMMERCIAL TOILET ACCESSORIES

.1 TOILET TISSUE HOLDERS Available from XPEDX, 1-800-669-7101 (no substitutions):

One (1) per toilet compartment for individuals with disabilities: Continental Dual #830,

One (1) per standard toilet compartment: Kimberly-Clarke # 09686.

.2 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; with optional pushbutton lock feature; mounting heights: Men=44", Women=40" (floor to bottom of cabinet).

.3 SOAP DISPENSERS (no substitutions): Supplied by the University, Division of Building Services, Contact the Director as soon as total number is known (number and placement depend on toilet room). 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:
Rochester Midland #60 white, sanifloor napkin & tampon disposal unit and five (5) fl
liners.

.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 54 in. above the floor. Hook can incorporate door bumper hook.

.6 SHELVES: Each toilet room shall have a shelf for books, purses, etc.

.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 same height as smaller mirrors. 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.

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.

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 Architect and designated University personnel.

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.
Provide each locked, break glass fronted fire equipment cabinet with a knocker or other glass breaking means. Attach knocker in a manner that will allow breaking of glass without removing knocker.

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 shall be painted steel, flanged recessed (similar to fire hose cabinets), lockable and comparable to the preferred Duo Panel Break Glass style of cabinet manufactured by Larsen’s Fire Protection and Safety Equipment. Lock shall be manufactured by Detroit Auto Specialties and shall have a CH751 key. The full fire rating and acoustical rating of the structure walls must be maintained.

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, provide Halon 1211 with at least 9 lbs. 1A 10BC rating.
10 50 00. STORAGE SPECIALTIES
10 55 00. POSTAL SPECIALTIES

.1 DESIGNS: The Associate 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 Associate 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. 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 EQUIPMENT 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.
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 Associate 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  GRILLS AND SCREENS
10 82 13  EXTERIOR GRILLS 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 that the General Contractor purchase and install them.