

## **DIVISION 12 - FURNISHINGS**

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### **12 00 00. FURNISHINGS**

#### **12 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 both Movable and Fixed Furnishings identified in the Program of Requirements (POR) to determine function and space usage for the project. Submittals are required as outlined in the Associate Agreement for Basic Services.
- .3 **CONSTRUCTION COORDINATION:** The Associate is to coordinate all required power voice and data services leading to Fixed and Movable Furnishings locations on the Construction Drawings. Provide any details and drawings necessary for critical dimensions and locations of furnishings.

The Associate is to locate and coordinate all blocking, support and services for installation of all items in this Division.

#### **12 10 00. ART**

- .1 **PROJECT PERCENT FOR ART:** These are projects where state funds are available for public art by artists. Not all state building projects will have this fund in the project budget.

The University Architect is responsible for University selection, fabrication and installation of Percent for Art.

The Associate shall be aware of and make provisions for (space, applicable blocking, utilities and lighting) in the building for the installation of art.

- .2 **INTERIOR ART:** If project funds allow, interior public or office art can be an acquired with remaining FF&E budget. The University Architect is responsible for University Selection and installation of interior art.

The Associate shall be aware of and make provisions for (space, applicable blocking, utilities and lighting) in the building for the installation of interior art.

#### **12 20 00. WINDOW TREATMENTS**

- .1 **DESIGNS:** The Associate shall provide treatment to all windows applicable to the building design and functions. All windows treatment, interior and exterior, is integral to the energy management of the building, the control of light and comfort of the occupants. All proposed manufacturer products and hardware must be rated for extra heavy duty commercial use.
- .2 **APPROVALS:** 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 **CONSTRUCTION COORDINATION:** The building design and Construction Documents must include all structural requirements, blocking, services and construction coordination for the installation of Window Treatment.

**12 21 00. WINDOW BLINDS**

- .1 BUDGET ALLOCATIONS: Window Blinds shall be considered Fixed Equipment and are funded within the Construction Budget. In some cases, the University may choose to purchase Window Blinds for a project. In these cases, the cost of the equipment is moved from Construction funds to Equipment funds for purchase.

**12 22 00. CURTAINS AND DRAPERIES**

- .1 BUDGET ALLOCATIONS: Curtain and Draperies shall be considered Movable Equipment and are acquired by the University utilizing a fund allocation within the total project funds but independent of the Construction budget.

**12 23 00. INTERIOR SHUTTERS**

- .1 BUDGET ALLOCATIONS: Interior Shutters shall be considered Fixed Equipment and are funded within the Construction Budget.

**12 24 00. WINDOW SHADES**

- .1 BUDGET ALLOCATIONS: Window Shades shall be considered Fixed Equipment and funded within the Construction Budget. In some cases, the University may choose to purchase Window Shades for a project. In these cases, the cost of the equipment is moved from Construction funds to Equipment funds for purchase.

**12 25 00. WINDOW TREATMENT OPERATING HARDWARE**

- .1 CONSTRUCTION COORDINATION: Necessary power, electrical controls and other devices for installing window treatment shall be included in the Construction Documents.

**12 30 00. CASEWORK**

- .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 Associate shall specify all utility fittings and fixtures for Casework equal to that specified for the Plumbing, HVAC, Electrical and Data Communications.

- .2 BUDGET ALLOCATIONS: Casework shall be considered Fixed Equipment and funded within the Construction Budget.

**12 40 00. FURNISHINGS AND 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 Contract Documents.

The Associate shall specify all utility fittings and fixtures for Furniture equal to that specified for the Plumbing, HVAC, Electrical and Data Communications.

- .2 BUDGET ALLOCATIONS: Furniture shall be considered Movable Equipment and acquired by the University utilizing a fund allocation within the total project funds but independent of the Construction budget.

**12 40 00. FURNISHINGS AND ACCESSORIES (Cont'd)**

- .3 CONSTRUCTION COORDINATION: Necessary structural support, power, data, utilities and other support for Furnishings and Accessories shall be included in the Construction Documents.

**12 48 00. RUGS AND MATS**

- .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.

**12 48 13. ENTRANCE FLOOR MATS AND FRAMES**

- .1 DESIGNS: At entrance doors to buildings, entrance floor mats shall be in recessed frames wherever possible.
- .2 BUDGET ALLOCATIONS: Recessed Entrance floor mats and frames shall be considered Fixed Equipment and funded within the Construction Budget.

**12 48 53. RUGS**

- .1 BUDGET ALLOCATIONS: Loose rugs shall be considered Movable Equipment and acquired by the University utilizing a fund allocation within the total project funds but independent of the Construction Budget.

**12 50 00. FURNITURE**

- .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 Contract Documents.

The Associate shall specify all utility fittings and fixtures for Furniture equal to that specified for the Plumbing, HVAC, Electrical and Data Communications.

- .2 BUDGET ALLOCATIONS: Furniture shall be considered Movable Equipment and acquired by the University utilizing a fund allocation within the total project funds but independent of the Construction budget.
- .3 CONSTRUCTION COORDINATION: The Associate shall plan and include required structural support, power, data, utilities and other support for Furnishings and Accessories in the Construction Documents.

**12 60 00. MULTIPLE SEATING**

- .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 Associate shall specify all utility fittings and fixtures for Furniture equal to that specified for the Plumbing, HVAC, Electrical and Data Communications.

In areas of assembly, the Associate shall show generic seating layouts, demonstrating seating volumes, aisle dimensions etc. as required for Schematic and Design Development Submittals. All seating layouts shall conform to current Ohio Building Code requirements.

**12 60 00. MULTIPLE SEATING (Cont'd)**

.2 BUDGET ALLOCATIONS: Unless otherwise noted, Multiple Seating shall be considered Fixed Equipment and funded within the Construction Budget. In some cases, the University may choose to purchase Multiple Seating for a project. In these cases, the cost of the equipment is moved from Construction funds to Equipment funds for purchase.

.3 CONSTRUCTION COORDINATION: Necessary structural support, power, data, utilities and other support for Furnishings and Accessories shall be included in the Construction Documents.

Detailed shop drawings and field verification required from the Manufacturer prior to approval and installation.

**12 61 00. FIXED AUDIENCE SEATING**

.1 MATERIALS AND CONSTRUCTION: The Associate shall indicate complete specifications showing manufacturer, product number, materials and details from a selected product and at least two additional manufacturers, product numbers, materials and details showing equal compatibility.

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 FOLDING TABLET ARMS: Unless otherwise noted by the University, all auditorium and lecture hall seating is required to have articulating one motion tablet arms.

Tablet construction to be laminated birch plywood core with finished birch or permanent/integral edges and laminated on both sides with plastic laminate. PVC "T" or self-edges are not acceptable. Tablet arms are to be full size without curves and indents that reduce useable work surface. The minimum tablet arm size is to be a rectangular shape 143 square inches or more with no cutouts within the rectangle. Ten to twelve percent (10-12%) of the tablet arms are to be left-handed. Left-handed seats shall be located to avoid interference with right-handed tablets. Provide clearance of 8" or more from top of seat to underside of tablet arm when open.

.3 SEAT AND BACK: Chair back and seat shall be two part (separate) construction. All components including upholstery shall be easily field replaceable. Provide gravity seat and articulating back. Provide minimum of 23" seat width on center and 18" seat depth. Provide minimum back height of 35" from seat. Upholstery fabric to be a minimum 200,000 double rubs composed of nylon or nylon blend.

.4 ARM CAPS/ARMRESTS: Arm caps and armrests shall be finished wood or molded polyurethane material. Plastic laminate and upholstered armrests are prohibited. Provide minimum arm rest width of 2".

.5 MOUNTING: Specify only beam or riser mounted applications to facilitate maintenance. Newly constructed facilities shall be planned accordingly.

.6 WARRANTIES AND GUARANTEE: Specify that the manufacturers guarantee the product and carry a minimum of 5 year complete warranty on all components. Throughout this five year period, the product will not show signs of excessive wear or deterioration or experience failure of any item material, construction or finish or the manufacturer shall promptly repair or replace equipment showing defects of material at no cost to the University.

**12 60 00. MULTIPLE SEATING (Cont'd)**

**12 93 00. SITE FURNISHINGS (Added 2/9/2007)**

12 93 13. BICYCLE RACKS:

.1 DuMor, Model: #83-00G galvanized loop, S-1 Embedment, 2-3/8" O.D. x 11-gauge wall galvanized steel tube as supplied by Service Supply, LTD. Columbus, OH, 614-861-3681 or approved equal.

.2 MADRAX, SKU #U238-IG-G, in ground, 2-3/8" O.D. x 11 gauge wall galvanized steel tube as manufactured by Madrax, a division of Trilary, Inc. 2700 Laura Lane, Middleton, WI. 53562, 1-800-448-7931 or approved equal.

12 93 23. TRASH AND ASH RECEPTORS

.1 PLAZA STYLE TRASH RECEPTORS:

Victor Stanley, Inc. Model SD-42 (side loading), 36-gallon litter receptacle, color Black supplied by Davis Group, Cleveland OH, 440-333-9665 or approved equal.

DuMor, inc. Model 157-32-25BT (side loading), 32 gallon litter receptacle, color: Black supplied by Service Supply, LTD. Columbus, OH, 614-861-3681 or approved equal.

Thomas Steele, Model: Carnival Trash Receptacle, CRTR-32 (specify side loading), color: Black. 2700 Laura Lane, Middleton, WI. 53562, 1-800-241-2505 or approved equal.

.2 ASH RECEPTORS:

Landmark Smokers Outpost, Model #10610PWB, pewter mid-size cast aluminum with standard screw closure, as supplied by DCI Marketing 2727 W. Good Hope Road, Milwaukee, WI 53209, 1-800-622-6069, or approved equal.

12 93 43. SITE SEATING AND TABLES

.1 PLAZA STYLE BENCH:

Victor Stanley, Inc. Model: RB-28, 6 foot long metal bench, color: Black. Supplied by Davis Group, Jim Bressler, Cleveland OH, 440-333-9665 or approved equal.

Victor Stanley, Inc. Model: RB-12, 6 foot long metal **backless** bench, color: Black. Supplied by Davis Group, # Jim Bressler, Cleveland OH, 440-333-9665 or approved equal.

DuMor, inc. Model 93-60, 6 foot long metal bench, color: Black. Supplied by Service Supply LTD., Alan Kletecka, Columbus, OH, 614-861-3681 or approved equal.

Thomas Steele, Model: Carnival Bench, CRB-6, color: Black. 2700 Laura Lane, Middleton, WI. 53562, 1-800-241-2505 or approved equal.

Fairweather, Model: PL-3, 6 foot long metal bench, color: Black. Manufactured by Fairweather Site Furnishings, Port Orchard, WA., 800-323-1798 or approved equal.

**12 93 00. SITE FURNISHINGS (Cont'd)**

.2 PARK STYLE BENCH:

Precast concrete end panels as supplied by Oberfields or approved equal. 2 x 6 x 8' long wood seat and back rails (3 rails per seat, 3 rails per back), Specify redwood or lpe S4S, off-set concrete end panels 1'-0" from rail ends.

.3 PLAZA STYLE PICNIC TABLE:

Dumor #63-303-4 (or 3 for ADA accessible)/S-5 Picnic Table surface mount, Color: black. Supplied by Service Supply, LTD. Columbus, OH, 614-861-3681 or approved equal.

Fairweather F-7 Picnic Table surface mount only. Color: black. Tacoma, Washington, 206-627-2811, 800-323-1798, or approved equal.

.4 PARK STYLE PICNIC TABLE:

Harvest Picnic Table, Model 2107X/RW, 84" x 233" x 30"(h) table with exposed aggregate finish and redwood bench assembly, as supplied by Aerocrete dba Architectural Precast 5660 Limaburg Road, Burlington, KY 41005-9398, 1-800-542-1738 or approved equal.

Concrete Pad, Model #9000, 8' x 9' x 4' Concrete pad, as supplied by Aerocrete dba Architectural Precast 5660 Limaburg Road, Burlington, KY 41005-9398, 1-800-542-1738 or approved equal.

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END OF DIVISION 12 - FURNISHINGS