

Division 12 – Furnishings

General

Vendor shall provide & install specified product or approved equal. The manufacturer specified is based on performance standards and aesthetic qualities of products. All products are specified for appropriateness of application related to project criteria, as well as structural integrity of each product. Freight, delivery & installation must be included.

All upholstery fabric shall meet or exceed California Technical Bulletin 117. All panel fabric must meet or exceed ASTM E-84. Vendor is responsible for ordering and supplying all COM (Customers Own Material).

Vendor shall coordinate with furniture manufacturers to insure on time delivery of specified COM fabrics. All drapery fabric must meet or exceed NFPA 701.

Delivery and installation must be coordinated through the Design Professional's Installation Coordinator, FP&C, and the General Contractor.

Delivery and installation dates are based off the current construction schedule of the project and shall be met unless otherwise advised by FP&C.

TTUS will not be responsible for storing products or storage fees prior to installation.

On site conduct shall be in accordance with FP&C and the General Contractor's job site safety requirements.

All installations shall be performed by qualified and factory authorized personnel with consistent level of quality and attention to detail throughout the installation. All work shall be executed in accordance to factory directive.

Vendor shall provide a project manager as the single point of contact who must be readily available for the entire project duration. A lead installer shall be at the site for all installation phases of vendor's products.

Project manager and lead installer must attend the pre-installation meeting. The meeting will be conducted by the Design Professional at the site with the Owners Representative and General Contractor's representative in attendance.

All products shall be direct shipped to the site in dedicated trucks only. Any LTL shipments must be received at the vendor's warehouse and brought to the site in their trucks in order to maintain delivery control at the site. While construction is in progress, all truck arrivals must be scheduled with the

General Contractor through the Design Professional's installation administrator. Submit estimated quantities of truck deliveries by manufacturers per floor. Specify if trucks are dedicated direct-ship trucks or vendor trucks.

Loading docks and elevator availability are to be determined on a project specific basis.

Elevators that are available to vendors for vertical transportation will need to be shared with the General Contractor and scheduled through the Design Professional.

Any wall mounted items shall be installed with toggle bolts; no blocking is provided for FF&E products. Three quarter inch (3/4") drill stops shall be used for all wall penetrations.

Vendor is responsible for protecting all interior building finishes, including walls and elevators, during the time of product delivery and installation. Any damages to building finishes shall be repaired by professional and/or licensed craftsman approved by FP&C and paid for by the vendor. Floor protection during construction and FF&E installation is to be coordinated with the Design Professional, Contractor, and FP&C.

All installed furnishings shall be protected by vendor until the last week of the installation. Removal of the protective materials shall be included in the installation schedule.

All items with plug-in electrical devices shall be plugged in and tested by the vendor during the installation. The electrical connections will be hardwired by the General Contractor's electrical subcontractor and will be scheduled through the Design Professional and General Contractor.

Vendors are required to remove trash and debris caused by installation from the campus/project job site on a daily basis. Consult with the General Contractor and Design Professional for proper trash disposal on LEED Accredited jobs. Installation must include proper cleaning/wiping down of all surfaces to leave product in a "move in" state. General Contractor's dumpsters may not be used.

No custom cuts or product modifications, including any gluing or re-finishing of products may be performed inside the building. Any such work shall be performed outside the building or at the vendor's warehouse.

No high VOC products may be used at the site at any time. Refer to the Design Professional's indoor air quality LEED specifications and obtain approval for products to be used on site prior to using.

Vendor shall schedule a punch list walk-through with the Design Professional's Installation Administrator at least 3 days in advance and shall be conducted at completion of each phase. These will be attended by the Design Professional's Installation Administrator, FP&C, and the client. Warranty and missing

items shall be identified during each walk through and shall be ordered immediately for completion of respective phases.

Texas Tech requires a 10 year warranty that guarantees product shall be free from defects in materials and workmanship and a 1 year warranty on all labor. All furniture is to meet or exceed BIFMA (Business and Institutional Furniture Manufacturer's Association) Testing Standards.

Reference the TTU Operating Policy and Procedure OP61.29 "Furniture, Floor Covering, Wall Covering, Window Treatment, and other Interior Design Services" for more information.

Artwork

Division 12 Artwork is not included in the 1% Public Art Program allocation as outlined in Division 1 of these standards. Division 12 Artwork will be specified by the Design Professional and Owner purchased. Division 12 Artwork will be listed as a separate line item in the FF&E budget.

Division 12 Artwork includes but is not limited to, artwork for public spaces, conference rooms, corridors, etc.

Classroom Audience Seating

Classroom audience seating shall meet TAS and ADA requirement. For tablet type desk, provide 10% left hand oriented desk in each classroom.

Horizontal Louver Blinds

This standard includes horizontal louver blinds with aluminum slats and horizontal louver blinds with wood slats.

Color, as viewed from the exterior of the building, shall be Levolor # 112 Alabaster or approved equal. Color within a space may coordinate with room finish.

Obtain horizontal louver blinds through one source from a single manufacturer.

Flame Resistance Ratings must meet or exceed NFPA 701.

Unless otherwise required in the contract documents, all products shall carry the standard manufacturer's warranty or a 1-year replacement warranty, whichever is longer.

Aluminum slats shall be alloy and temper recommended by producer for type of use and finish indicated with crowned profile and radiused corners.

Wood slats to be hardwood, North American, basswood, poplar, flame-retardant treated; with flat profile and radiused corners, beaded edges and double beaded edges.