DIVISION 12 FURNISHINGS

12 10 00 - ART

A. Art & Architectural Artwork:
   1. Artwork will only be included as part of capital construction projects. Artwork for all other projects will be funded by the individual departments and is not likely to be part of construction documents.

12 20 00 - WINDOW TREATMENT

A. Window Coverings:
   1. Blinds, shades and shutters will normally be furnished and installed by the contractor and should be included in the A/E specifications. Drapes are not normally provided as part of construction projects. Drapes must be approved by the University Representative prior to specifying.
   2. Where windows or other uncontrolled light sources exist, these sources must be controlled through use of blackout drapes or other devices so that light level can be controlled for adequate projection viewing.

B. Window Films:
   1. Smoke and gray colors are acceptable. Silver and bronze colors are not desirable and should not be used unless necessary to match existing films or because of unusual requirements which will need approval of the University Representative.
   2. Shading coefficient shall be 0.65 or less for all films.
   3. Films shall be sputter-coated using a charged metal process. Dyes or pigments are not acceptable. Films shall have an abrasion resistant coating.
   4. Films shall be warranted for five years to maintain all solar properties without cracking, crazing, fading or peeling. Defective films shall be replaced without charge.
   5. Safety film may be considered where retrofitting safety glazing is not advisable due to the configuration, construction and condition of existing doors and windows that are not being replaced.

12 30 00 - CASEWORK

A. Laboratory Casework:
   1. Acceptable types are as follows:
      Metal Laboratory Casework
      Plastic Laminate Casework
      Wood Casework
   2. New laboratory casework in existing buildings shall match existing style such as wood, metal, or plastic laminate. Verify with the University Representative.
3. Wood casework shall not be installed where water or chemicals are used.

B. Counter Tops:
   1. Furnish tops in maximum practicable lengths.
   2. Acceptable types include:
      Composition Stone
      Impregnated Stone
      Glazed Composition Stone
      Plastic Laminate - with plywood underlayment or medium density industrial particle board
      Stainless Steel
      Epoxy Resin
   3. Flexibility of casework should be considered due to multiple use of space over a period of time. Providing excessive amounts of casework does not benefit the University.

12 40 00 – FURNISHINGS AND ACCESSORIES

A. Indoor Trash and Recycling Containers:
   1. Every classroom, office, and conference room will contain trash and recycling containers. Appropriate space for a 28 quart recycle bin and a Slim Jim container shall be included in the drawings.
   2. In Hallways and corridors where appropriate, cabinets separating trash and recycling materials shall be included in the drawings.
   3. The cost and procurement of trash and recycling containers will be included into the cost of the project.

B. Outdoor Trash and Recycling Containers:
   1. The cost and procurement of outdoor trash and recycling containers, including the building dumpster, will be included into the cost of the project.

C. Provide at least two coat hooks in offices.

12 48 00 - RUGS AND MATS

A. Floor Mats:
   1. Entry mats and walk-off carpets shall be provided as a part of the construction contract. Type and location shall be approved by Facilities Management-Custodial Section through the University Representative. They shall be a type that will not hinder door operation.
   2. Main entrance lobbies should have recessed floor mats 4 to 6 feet wide and 10 feet long.

12 50 00 - FURNITURE AND ACCESSORIES

A. Furniture:
   1. Movable furniture and equipment will normally be purchased and installed by the University under a separate contract and should not be included in the A/E specifications. Installation may be specified by the A/E depending upon circumstances.
2. Room dividers and screens (movable wall partitions) will normally be purchased and installed as movable equipment, unless otherwise approved. The A/E will be expected to coordinate with the client in this design and specification.

3. All furniture should have non-marking wheels or glides that will not rust.

4. Floor mats should be used under rolling office chairs.

5. Computer labs should have furniture that allows mounting of tower case computers on the furniture keeping the computer off the floor. Desktop case computers are preferred. Cables should be concealed in raceway where possible to avoid draping cable on the floor.

6. Classrooms, conference rooms and similar rooms should have chair rails on the walls.

12 60 00 – MULTIPLE SEATING

A. Fixed classroom and auditorium seating should be rail mounted rather than individual pedestal mounted unless otherwise directed by the University Representative. Use drop arm writing surfaces with grained color and matte texture plastic laminate finish. Flip seats are preferred.

12 93 00 – SITE FURNISHINGS

A. All site furnishings shall comply with the following standards. Any details not set forth in this section (color, size, etc…) shall be determined by the Consultant. In addition to harmonizing with the architectural character and design of the project, site furnishings shall be compatible with campus character as a whole.

1. Trash Receptacle
   Vendor: Infinite Manufacturing Group Inc.; R.BLEEKER@INFINITEGROUPUSA.COM
   Model: OEM T-32-T;
   Color: RAL6009 Polyester Powder Coat
   Features: 32-gallon capacity, low dome steel top, leveling feet

2. Recycle Receptacle
   Vendor: Infinite Manufacturing Group Inc.; R.BLEEKER@INFINITEGROUPUSA.COM
   Model: OEM TR-36-R
   Color: RAL 5010 Polyester Powder Coat
   Features: 36-gallon capacity, flat bar sidewalls, custom domed recycling top, leveling feet
   White vinyl “RECYCLING ONLY” and recycle logo

3. Bench
   Landscape Forms: Gretchen
   Backed, 72” L, Ipe Wood Insert, Imbedded Mounting, Powder coat Color Black

4. Picnic Table
   Vendor: Grainger;
   Model: 4HUR6 72"W x 62"D
   Color: Green Vinyl expanded metal top

5. Longboard Rack
   New Construction:
   1. A recommended number of spaces is one locking space for every ten people per building. Final quantity to be determined on a contextual basis by the University Representative.
Installation:
The rack(s) shall be placed within 20 feet of the building entrance to intercept longboards prior to entering the building. All skateboard/longboard racks shall have a minimum of 2’ clearance on all sides to allow boards to be inserted/removed easily.

Model: Spartan 14 or Spartan 20
Color: Stainless steel or zinc plated steel construction in bare silver or RAL 6009 color
Features: Dimensions no greater than 3’ wide 5’ tall and 2’ deep, floor/ground mounted to concrete or masonry, double side entry with enough space between boards to use all spaces at one time, lockable rings for board security, with capacity for a minimum of 10 boards.

6. Bike Rack
Installation: Select a convenient location adjacent to a building entrance. Location shall have a flat grade and be easily accessible to a mounted rider. Ensure placement does not obstruct the flow of pedestrian or vehicular traffic. Separate bicycle parking from vehicle parking with a barrier that minimizes the possibility of a parked bicycle being damaged by a vehicle. Provide 6 feet from any curb or wall to allow loading on both sides of rack. Clusters of racks in a line should have 3 feet between racks. Parallel racks should have 12 feet from the top bar of rack to the next top bar of the second rack. If possible, provide 18” between ends of racks or nearby obstructions. (Semi) Permeable surface is preferred to attenuate snow.
Vendor(s):
A. Housing and Dining Services – CCI
Model:
A. Housing and Dining Services – Colorado Correctional Industries (CCI) - 6 slot or a 12 slot rack RAL 6009 or approved dark green color chip
B. Facilities – Cora Expo 7510 W Series (or approved equivalent)
Color: RAL 6009

7. Covered and Sheltered Bike Parking
Colorado State University has a custom covered bike parking design. The steel unit is consistent with LEED Certification V4 (There must be covered facilities for bike racks/storage for 15% of the occupants.) Concrete caissons support the 2-post structure to a maximum height of 10’ 6”. The steel roof is sloped at a 3:12 pitch to accommodate snow and wind loads. Snow/rain runoff should be routed between covered parking modules and racks.
Covered bike parking can be converted to a bike parking shelter with the addition of four, wired-meshed sides. One side will contain a gate accessible for a mobility device with C-Cure keycard access. A fixit station (see below) would be situated outside the shelter for access outside keycard access.
Vendor: Custom fabricator
Model: Custom fabricator
Color: To be determined on a contextual basis by CSU Facilities Management Design Review Committee.

8. Alternative Table
Landscape Forms: Carousel
Backed, Perforated Seats, Umbrella Hole, Surface Mount

9. Alternative Tables
Landscape Forms: Catena Round
10. **Stackable Chairs**
   Landscape Forms: Catena

11. **Outdoor Bicycle Repair Station Standard:**
    **New Construction:**
    A. 1 outdoor bicycle repair stations per each resident hall.
    B. 1 for every five adjacent buildings on campus.

    **Installation:**
    All outdoor bicycle repair stations shall have a minimum of 12" clearance from a wall behind the unit, and from all other sides at least 36" clearance. No part of the station should protrude onto a walkway, bike lane, or common area. When running parallel to a street or walkway a 96" setback is recommended and when perpendicular a 60" setback is recommended.

    **Vendor:** Dero
    **Model:** Fixit Service Station
    **Color:** Hunter Green
    **Features:**
    - Floor/ground mounted to concrete or masonry, shall use a mount approximately 1' in diameter with 3/8" anchors, securely attached tools using stainless steel cables including:
      1. Philips and flat head screwdrivers
      2. 2.5, 3, 4, 5, 6, 8mm Allen wrenches
      3. Headset wrench
      4. Pedal wrench
      5. 8, 9, 10, 11mm box wrenches
      6. Tire levers
      7. Stainless steel, zinc plated steel, or powder coated steel construction in bare silver or RAL 6009 color
    - A secure bicycle pump serving presta and schrader bicycle air valves shall be included at all stations

    **Vendor:** Saris
    **Color:** Stainless
    **Features:**
    - Ground mount adjacent to repair station
    - Station allows for bicycle to be elevated and stabilized for access to bike tools

12. **Bicycle and Pedestrian Counter – Inductive Loop**
    The counter collects bicycle and pedestrian counts bi-directionally in 15-minute intervals.

    **Installation:**
    The counter is installed by insetting and cutting inductive loop into shared use trail or bike lane. Rainbird housing is set at grade below surface of trail and connects with inductive loop and pedestrian counter (Pyro Sensor) is installed adjacent to trail/lane and the

    **Vendor:** Eco-Counter
    **Model:** Urban Zelt with Pyro Sensor
    **Features:** Rainbird housing, Battery, Counter, Cellular, Inductive loop and Pre-fabricated post with pyro sensor.