

Revision Date: 11/29/2023

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1. **Design Criteria:**

- a. This section includes exterior fencing and support system.
- b. Materials to be considered include metal, wood, vinyl, and chain link fences.
  - i. The proposed materials must be reviewed by the UVM project manager and Physical Plant department to determine if the maintenance and care requirements are acceptable and there may be further review needed by the Campus Plan Committee or UVM PDC Planning Staff to check if the design/materials meet the 2022-2032 Campus Plan and local zoning requirements.

2. **References**

- a. ASTM A116 - Standard Specification for Metallic-Coated, Steel-Woven Wire Fence Fabric.
- b. ASTM F537 - Standard Specification for Design, Fabrication, and Installation of Fences Constructed of Wood and Related Materials.

3. **Required Submittals:**

- a. Product Data: Manufacturer's data including instructions, recommendations, and restrictions.
- b. LEED Submittals: When the project is being considered for LEED status, documentation of compliance with LEED materials and resources requirements will be necessary. The design consultant shall contact UVM project manager to confirm if project is applying for LEED Certification and which level of certification will be sought.
- c. Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.

4. **Products, Materials & Equipment:**

- a. Chain link fencing:
  - 1. Vinyl coated. Color to be selected by design consultant and confirmed by the UVM project manager.
  - ii. Minimum 9-gauge galvanize wire woven in 2" mesh. Bottom and top selvages knuckled.
  - iii. Vinyl Slat Screening:

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1. Vinyl slats inserted and secured to chain link fabric, where indicated on the design consultant's plans. Color to be selected by design consultant and confirmed by the UVM project manager.
    2. Tension wire top and bottom.
  - b. Wood Fencing
    - i. Wood fencing is generally discouraged on campus due to the high level of maintenance required. However, other fencing products that have wood materials in contact with the ground or concrete must be pressure preservative treated, or of a material resistant to rot and decay when in contact with concrete or water.
  - c. Metal Fencing
    - i. Metal materials must be finished to resist rust.
    - ii. Salt corrosion is a reality on campus. Metal fences must be designed to be durable in the presence of snow-melt salts.
    - iii. Field repairable finishes must be used.
    - iv. Aluminum "wrought iron" fence height to be coordinated with UVM Physical Plant to verify maintenance ability.
5. **Installation, Fabrication, and Construction:**
  - a. All support posts shall be embedded into a concrete footing
  - b. Fence panels shall be held a minimum of 2" off the ground.
6. **Warranties:**
  - a. Manufacturer's standard warranty on equipment and products
    - i. 10-year warranty against defects in materials. Warranty shall provide material to repair or replace defective materials.
  - b. Installer's standard one-year warranty on installation and craftsmanship
7. **Examples:**
  - a. UVM Greenhouse Nursery Fence on the Davis Center Oval-Grey picket style
  - b. Fence on the utility vault walls north of Waterman Building on S. Prospect St.
  - c. Fence on side walls of loading dock at Innovation Hall on Main Campus
  - d. Decorative aluminum "wrought iron" fence at Englesby on S. Williams St.
  - e. Bollards and fencing along Main Street (City of Burlington) utilizing green instead of black to distinguish UVM property.