Chapter 24
SIGNAGE AND GRAPHICS

SECTION 2401 - GENERAL

2401.1 Design and Licensing Requirements: Standard CSU fonts and graphics are required for identification and wayfinding signage. Colorado State University is the sole owner of its name and the symbols, graphics and marks that identify or are associated with the University. See http://graphicstandards.colostate.edu/ for further details.

Public Area Signage: All signage shall be submitted by the Project Manager to the CSU Facilities Management Landscape Design Committee for review and acceptance prior to completion of Construction or Procurement documents. The Consultant, if requested by the Project Manager, shall present the signage to the Committee.

Non-Public Area Signage: Non public area signage is signage viewable only by employees, such as office door signage, electrical room signage, etc. This signage shall be submitted to the Project Manager for review.

Regulatory Signage: Regulatory signage is typically signage that is required for proper, code agency compliant operation such as safety and vehicle regulatory signage. This signage shall be submitted to the Project Manager and may not require review by the CSU Facilities Management Landscape Design Committee.

2401.2 Flexibility: Sign construction for signs that frequently change must be made of locally readily available materials. All signage that frequently changes or requires quick turn around must be easily replaced and not sole source. Custom signs are not acceptable for signs that change frequently.

SECTION 2402 - DRAWINGS

2402.1 Content: The drawings shall represent complete design and present all information relative to the size, form, location and arrangement of the signage components and systems of the project. The following shall be included in the signage and graphics drawings when applicable to the specific project. Tracing or copies of manufactured drawings is copyright infringement and is not acceptable.

1. Location of materials, assemblies, products and accessories
2. Size, thickness and significant dimensions of all signage elements
3. Gauges, except for prefabricated and assembled units
4. Details of specially fabricated connections
5. Relationship of adjacent dissimilar materials
6. Soil boring or test pit logs including locations for foundations supporting exterior signs that require engineered foundations.
7. Sign location plans shall present all necessary information to show the location of all signage system components.

2402.2 Signage Drawings:

W0 Index, Symbols, Abbreviations, Key Plan, Notes, Nomenclature, Sign Type Summary
W1 University Layout Plan, Site Facilities Signage Key Plan, Roadway Signage Key Plan
W2 Sign Location Plans
W3 Sections and Interior Elevations
W4 Sign Finish Schedule, Color Schedule, Pictographs, Lettering Spacing and Style
W5 Sign Type and Unit Details; Sign Elevations, Mounting Conditions, Graphic Layouts
The above list is exclusive of drawings that may be required from other disciplines such as Civil, Structural, Mechanical, and Electrical design.


2402.3 Plan view drawings shall present the following minimum information:

1. North direction arrow
2. Floor level
3. Cross reference symbols or notations to sign types, details and other related signage information drawings so these drawing elements can be readily located

2402.4 Sections and Interior Elevations: Provide sections and interior elevation drawings to show typical sign elevations and their relationship, size, mounting dimensions and location to interior architectural elements.

2402.5 Details: Provide detail drawings showing sign unit elevations, mounting conditions, sizes, graphic layouts and construction details of each sign and display unit type.

2403 STRUCTURAL REQUIREMENTS

Structural requirements shall be designed by a licensed Colorado Structural Engineer where required by building code or deemed appropriate by the University Representative. Structural Drawings shall conform to Chapter 17. The Structural Engineer shall:

1. Confirm existing structure can support anticipated signage loads
2. Verify imposed loads on signs including seismic, wind, thermal, and impact. For signs designed to be free standing in public spaces, the load shall be a minimum of the load required for handrails or guardrails and inclusive of seismic, maintenance and thermal loads.
3. Design foundations, beam supports, and attachments
4. Document and verify the design accommodates thermal movement from heat sources.

2404 MECHANICAL REQUIREMENTS

Mechanical requirements shall be designed by a licensed Colorado Mechanical Engineer where required by building code or deemed appropriate by the University Representative. Mechanical Drawings shall conform to Chapter 18. The Mechanical Engineer shall:

1. Confirm heat loads developed by internal and external lighting
2. Design ventilation systems both active and passive
3. Document and verify heat loads contributed to the surrounding space.
4. Design any modifications required to Fire suppression systems.

2405 ELECTRICAL REQUIREMENTS

Electrical requirements shall be designed by a licensed Colorado Electrical Engineer where required by building code or deemed appropriate by the University Representative. Electrical Drawings shall conform to Chapter 21. The Electrical Engineer shall:

1. Establish Load Studies for points of connection for new services
2. Design raceways, panels, transformers to support the installation
Design Electrical systems within the Sign and assure application for UL listing prior to Bid Advertisement.

2406 BUILDING / STRUCTURE NUMBERING

Each building or structure shall have an identifying sign. Contact the Project Manager for assignment of the building name, address and/or identifier number.

END OF CHAPTER 24