

13 34 00 – Fabricated Engineered Structures

1. General

The University's design philosophy prohibits pre-engineered buildings within the main boundaries of the campus unless specifically approved by the Owner. In some cases, structures of this type may be used off campus where storage or distribution is of primary concern. The following criteria shall be considered by the Consultant in the design of these structures:

- A. Particular use of the building
- B. Maintenance
- C. Floor finish (dependent on use of the floor)
- D. Design of the metal building framing and skin shall conform to the current N.C. State Building Code. The manufacturer's drawings shall be marked with the seal of an engineer registered in North Carolina. Foundation design and slab shall depend on the live loads and use of the building (for example, printing presses and vehicular or forklift traffic).
- E. Protection of the exterior wall system (for example, providing a concrete or masonry vertical wall apron to prevent abuse of the wall system)
- F. Adequate provision in the structural framing for superimposed loads, such as monorail traffic. Mezzanine levels and storage areas shall be designed to be in strict accordance with the current N.C. State Building Code and shall meet ADA standards.