

Division 11 - Equipment

11130 – Audio-Visual Equipment

Has the A/E met with the users, FAU's Facilities Planning Project Manager, and the FAU's Information Resource Management (IRM)/Learning Resources Department, identified and incorporated the infrastructure (conduits, electric and data outlets, pull boxes, etc.) for audio-visual equipment (including projectors, controllers, monitors, televisions, consoles, podiums, etc.)? Have locations for the equipment been incorporated into the construction documents?

(Specific drawing sheet #/specification page # _____)

11160 - Loading Dock Equipment

1. If the project's program requires a loading dock, have the following items been discussed with FAU Facilities Planning Project Manager and the users and specified and shown in the contract documents as required? Provide dock locks or wheel chocks.

(Specific drawing sheet #/specification page # _____)

2. Dock levelers.

(Specific drawing sheet #/specification page # _____)

3. Adjustable dock ramps.

(Specific drawing sheet #/specification page # _____)

4. Portable ramps, bridges, and platforms.

(Specific drawing sheet #/specification page # _____)

5. Seals and shelters.

(Specific drawing sheet #/specification page # _____)

6. Dock bumpers.

(Specific drawing sheet #/specification page # _____)

7. Have provisions been made to adequately light the interior of truck trailers with dock lights?

(Specific drawing sheet #/specification page # _____)

11600 - Fume Hood and Exhaust Systems Installations

1. OSHA regulates and sets standards for Ventilation and Exhaust systems under Sub-part G - Occupational Health and Environmental Control. 1910.93 Air Contaminants. Have employees' exposure to materials listed in these standards been limited as specified? (FAU is responsible for establishing and enforcing administrative controls as needed to achieve OSHA compliance.)

(Specific drawing sheet #/specification page # _____)

2. A significant amount of technical information must be prepared and submitted to the Owner during Conceptual Schematics, Advanced Schematics, and Design Development in accordance with the FAU Professional Services Guide dated April 2003. Has the A/E reviewed the requirements?

(Specific drawing sheet #/specification page # _____)

3. The design and installation of exhaust systems (including hoods, ducts, air mover,

and discharge outlet) shall comply with the American National Standard Institute (ANSI) Z9.2-1971 Fundamentals Governing the Design and Operation of Local Exhaust Systems, the manual, Industrial Ventilation, published by the American Conference of Governmental Industrial Hygienists 1970; NFPA-91, Blower and Exhaust Systems; NFPA-45, Laboratory Systems; and the latest American Society of Heating, Refrigerating and Air Conditioning Engineers' (ASHRAE) Handbooks. Has the airflow and pressure loss data provided by the manufacturer of any air cleaning device been included in the design calculations?
(Specific drawing sheet #/specification page # _____)

4. Has the "Fire Protection Handbook" current edition as used by the State Fire Marshal's Office as regulating the design and installation of blower and exhaust systems, been referenced?
(Specific drawing sheet #/specification page # _____)

5. Are hoods used for perchloric acid specified to have identifying signage on the face of the hood by either the manufacturer's label and/or an appropriate warning sign indicating: FOR PERCHLORIC ACID ONLY? Are they equipped with a water wash down system in the exhaust duct system?
(Specific drawing sheet #/specification page # _____)

6. Has the AE specified the appropriate material for fume hood exhaust piping? Galvanized steel is to be used only with the written approval of FAU' Environmental Health and Safety Department and FAU's Engineering & Utilities Department.
(Specific drawing sheet #/specification page # _____)

11860 - Waste Handling Equipment

Trash Disposal and Recycling

1. Has construction debris collection and disposal been discussed with FAU's Facilities Planning Project Manager and have any special considerations, such as recycling and separating types of waste, been specified?
(Specific drawing sheet #/specification page # _____)

2. Has the finished project's waste handling and disposal needs been discussed with FAU's Facilities Planning Project Manager and FAU Physical Plant Department to determine if waste holding areas within the building are required, if a dumpster area is required, or if it may be shared with adjacent buildings?
(Specific drawing sheet #/specification page # _____)

3. Have areas for recycling bins been provided for in the project's design and has an area to store recyclables in the building been provided?
(Specific drawing sheet #/specification page # _____)

4. Have provisions been made for recycling collection of glass, paper, plastics, corrugated cardboard, and metals?
(Specific drawing sheet #/specification page # _____)

End of Division 11 – Equipment.