

SECTION 01 79 00 – DEMONSTRATION AND TRAINING**PART 1 - GENERAL****1.1 RELATED SECTIONS**

- A. Section 01 77 00 Closeout Procedures
- B. Section 01 78 23 Operation and Maintenance Data

1.2 SUMMARY

- A. This section provides the requirements for demonstration and training for Vanderbilt University Plant Operations personnel on major building systems and system components. System training shall be specific, and performed by the design team, while component training shall be performed by the contractor. Systems and components include but are not limited to the following:
 - 1. Fire Suppression Systems
 - a. Design intent and implementation
 - b. Fire pump
 - c. Sprinkler piping system walk through by floor
 - d. Sprinkler shut-off valve locations by floor
 - 2. Plumbing Systems
 - a. Design intent and implementation
 - b. Domestic water piping
 - c. Domestic water heater
 - d. Domestic water pumps including variable frequency drives
 - 3. HVAC Systems
 - a. Design intent and implementation
 - b. Air handling units
 - c. Variable frequency drives
 - d. Fan coil units
 - e. Variable air volume box locations by floor
 - f. Exhaust fans
 - g. Steam PRV stations
 - h. Steam condensate receiver and other steam accessories
 - i. Steam valve locations by floor
 - j. Hot water/Chilled water pumps
 - 4. HVAC Control Systems
 - a. Design intent and implementation
 - 5. Lighting Control Systems
 - a. Design intent and implementation
 - 6. Electrical Systems
 - a. Design intent and implementation
 - b. Switchgear
 - c. Transformers
 - d. Panel locations by floor
 - e. Utility Meters
 - 7. Security Systems
 - a. Design intent and implementation
 - 8. Fire Alarm Systems
 - a. Design intent and implementation
 - 9. Irrigation Systems
 - a. Design intent and implementation

1.3 SUBMITTALS

- A. Operation and Maintenance Training Videos – See Section 01 78 23 Operation and Maintenance Data for requirements.

1.4 DEMONSTATION AND TRAINING SESSIONS

- A. Videotape all demonstration and training sessions. Provide a remote microphone for each speaker in the session.

- B. Invite appropriate Plant Operations personnel to each Demonstration and Training Session.
- C. Describe each system in its entirety. Demonstrate the operations of each component of the system.
- D. Describe maintenance procedures for each component.
- E. Answer all questions from Plant Operations staff.

1.5 PROJECT CLOSEOUT/HAND-OVER MEETING

- A. The Project Hand-Over Meeting will be scheduled by the Architect within 10 days after Substantial Completion.
- B. Coordinate with the Architect to develop and agenda for the meeting.
- C. At the meeting, review general design concepts of each building system.
- D. At the meeting, review the contents of the Operation and Maintenance Manual.
- E. At the meeting, review the punch list.
- F. At the meeting, review the Substantial Completion date and warranty period
- G. At the meeting, review all outstanding commissioning items.
- H. Answer all questions from Plant Operations staff.

PART 2 – PRODUCTS

Not Applicable

PART 3 – EXECUTION

Not Applicable

END OF SECTION