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**DIVISION 28 – ELECTRONIC SAFETY AND SECURITY**

**28 0537 DISTRIBUTED ANTENNA SYSTEM**

- A. For existing facilities where a distributed antenna system is required the designer shall arrange a meeting through Plant Engineering and Planning with the follow CMU Departments.
- a. CMU Police
  - b. CMU IT
  - c. CMU Purchasing Department
- B. This meeting shall be used to help determine the needs and costs as well as, to provide campus wide coordination and continuity with existing systems.
- C. New Main Campus Buildings an empty conduit system shall be installed to go from the basement to each floor and the roof. All locations shall be accessible for future wiring required. Conduit system riser shall be a minimum of a 2" conduit sleeve between floors and to the roof. Verify with CMU Project Manager and Director of Plant Engineering & Planning.

**28 1000 ELECTRONIC ACCESS CONTROL AND INTRUSION DETECTION**

**28 1300 Access Control**

- A. For existing facilities where access control is required the Department/User shall arrange a meeting with the follow CMU Departments.

1. CMU Police
2. CMU IT
3. CMU Plant Engineering and Planning
4. CMU Purchasing Department

This meeting shall be used to help determine the client's needs and costs as well as, to provide campus wide coordination and continuity with existing systems.

- B. New Main Campus systems shall not stand alone. Every system must tie into the campus central system. The CMU central system is Lenel.
1. For access control & intrusion alarm using an existing system other than Lenel the following steps shall be followed.
    - a. Contact CMU IT to request a Service order.
    - b. Purchasing shall create a Purchase Order with named vendor.
    - c. Vendor shall install system.
  2. For access control & intrusion alarm using the Lenel system the following steps shall be followed.
    - a. Contact CMU IT to request a Service order.
    - b. CMU IT shall create a Purchase Order
    - c. CMU IT shall install the Lenel access control.
- C. The Department/User shall be responsible for Access and Intrusion Alarm maintenance costs.
1. For the Lenel system CMU IT shall maintain via Service Order.
  2. For a non-Lenel system, a trained factory representative shall be engaged via Department/User purchase order.

- D. Refer to CMU Key Control Policy to help determine access control needs.

#### **28 1600 Intrusion Detection**

- A. For all alarm systems that annunciate off campus, the user shall provide to CMU Police all appropriate contact information.
- B. For all alarmed areas on CMU Main Campus the Department/User shall provide to CMU Police and Facilities Management a list of a minimum of three (3) on-call contacts in case of alarm. This list shall be in order of priority.
- C. Access control and Intrusion Alarms shall be tested twice a year by CMU Police.
- D. CMU Police Alarm Policy and Procedure Number 05-05 Parts I and II must be followed. Refer to CMU Police website. <http://www.police.cmich.edu/policies.htm>
- E. Also refer to CMU IT and CMU Police websites for current Policies and Procedures.

<http://www.police.cmich.edu/policies.htm>

[http://www.oit.cmich.edu/it/policies\\_home.asp](http://www.oit.cmich.edu/it/policies_home.asp)

#### **28 3000 ELECTRONIC DETECTION AND ALARM**

##### **28 3100 Fire Detection and Alarm**

- A. Fire alarm design must comply with the State of Michigan Building Code. Areas requiring additional / specialized protection will require additional review by CMU Facilities Management.
- B. The CMU system of choice is Simplex Grinnell (JCI) Fire Alarm. Other approved vendors are Seimens Fire Safety.
- C. Vendors other than Simplex Grinnell (JCI) require review by FM and CMU Police and must be able to interface with Simplex Grinnell (JCI).
- D. All Fire Alarm (FA) control panels located in discrete campus buildings must annunciate FA system trouble and FA summary alarm over a dedicated pair at the main annunciation panel located in the CMU Police control room of the Combined Services Building.
  - 1. CMU Project Manager shall contract the Service Center to make arrangements to have the project added to the CMU Police panel.
- E. The Main Control Panel in a building shall be located in a secured area accessible by FM and CMU Police.
- F. Coordinate remote annunciator panel placement in new buildings with the Fire Marshall or authority having jurisdiction.
- G. Remote annunciator panel (s) in residence halls must be on the main floor at the reception desk.

H. All Fire Alarm Junction box covers shall be red. All Fire Alarm Conduit in exposed areas (i.e. mechanical, electrical and OIT rooms) shall be red.

**DOCUMENT CONTROL PAGE:**

<b>Document Published:</b>	March 2, 2007
<b>Prepared By:</b>	Dan Methner
<b>Reviewed By:</b>	Philip Tanner, Stan Mandziuk, Ray Christie, Mark Strandskov, Stan Dinius, Shaun Holtgreive, Dan Lehr, Don McIntyre, Jay Kahn, Linda Slater, Jessica Ebels
<b>Approved By:</b>	Jonathon Webb

**Revision History:**

Date	Revision	Approved By:
05.14.18	<b>Add Section 28 0537 Distributed Antenna System</b>	Jonathon Webb
11.23.20	<b>Section 28 3000 Corrected Simplex as JCI and Red conduit &amp; Box covers</b>	Jonathon Webb