

SECTION 16722  
INTRUSION DETECTION AND SECURITY ACCESS SYSTEM

PART 1 GENERAL

1.1 SECTION INCLUDES:

- A. Main cabinet.
- B. Terminal cabinets.
- C. Conduit and boxes.
- D. Power wiring.

1.2 SYSTEM DESCRIPTION

- A. Security system shall include the furnishing and installation of main and distribution terminal cabinets, conduit system and power feeds.
- B. Knox Box for Melbourne Fire Department and University Security.

1.3 SUBMITTALS

- A. Submit under the provisions of Section 01300.
- B. Shop Drawings: Indicate layout, raceway diagrams, and equipment dimensions.
- C. Product Data: Provide data sheets for each item of equipment, depicting equipment capacity.

1.4 RECORD DRAWINGS

- A. Submit under the provisions of Section 01700.
- B. Accurately indicate actual locations of cabinets, boxes, and conduit runs.

PART 2 PRODUCTS

2.1 MAIN CABINET

- A. Steel construction #14 gauge, 24" x 24" x 4" cabinet with hinged, lockable cover, 1/2" thick plywood backboard, painted light gray.
  - 1. Also allow a 4' x 4' empty space above or to either side of the main cabinet at a centerline of 7' for additional security equipment.
- B. Main cabinet shall be surfaces mounted.
- C. Locate the Main Security Cabinet in the Video Control room; however Section 2.3A has priority.
- D. The location of the main, Ahead-end(e)-1.65326(nd(e)-1.65326(nd(e)-1.6532d-)17.7825(ene)-1.69.7825(e)-1.653

4. If any floor level area is greater than 20,000 sq ft, provide additional floor distribution cabinets; with no one cabinet feeding more than 20,000 sq ft.

- L. Provide & install a separate 3/4" conduit from the main security cabinet to the main telephone room terminal board.
- M. Provide & install a 3/4" conduit between all security distribution cabinets and all card access distribution cabinets at all terminal cabinet locations.
- N. Provide & install six additional recessed mounted 4" x 4" x 2-1/8" sensor mounting boxes with flush single gang ring and single gang cover; with the opening mounting vertical with 3/4" conduit run to nearest security junction box, (Estimate 100' of conduit for each run.) Wall mount locations to be directed in field during construction prior to final above ceiling inspection.

2.4 POWER FEED

- A. Provide & install a dedicated 120-volt normal power duplex outlet located adjacent to the upper portion of the main security system's cabinet.
- B. Provide & install a dedicated 120volt duplex outlet fed from the optional branch of the generator power source, adjacent to the normal power receptacle.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install system in accordance with NECA "Standard of Installation" and Section 16010.
- B. Obtain a detail book from the Universities Security Department for system specifics.
- C. Permanently label all conduits as to plan room number destination, at all terminal cabinets.
- D. Paint all Security system junction box covers black.
- E. Install 1/2" (black round indicators) of paper construction on ceiling tile grid work at all locations where security system boxes are located above the drop ceiling.