

SECTION 26 27 24

SECURITY SYSTEM PROVISIONS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS:

- A. The Conditions of the Contract and applicable requirements of Divisions 0 and 1 and Section 26 00 01, "Electrical General Provisions", govern this Section.

[VERIFY REQUIREMENTS]

1.2 DESCRIPTION OF WORK:

- A. Work Included: Provide security system rough-in work as shown, scheduled, and as required.
- B. Type: Provide input power provisions and a complete box, sleeve, and raceway system for installation of the security system.
- C. Provisions: Typical provisions will include, but not be limited to rough-in for security equipment power, fire alarm system interface, card readers, magnetic locks, exit buttons, CCTV cameras and monitors.
- D. System Installation: Security system equipment, wiring, connections, card readers, magnetic locks, monitors, CCTV cameras and accessories will be provided **[under a separate contract] [under other Divisions]**.

PART 2 - PRODUCTS

2.1 MATERIALS AND COMPONENTS:

- A. Raceways: Provide security system raceway system as specified in 26 05 01, "Electrical Basic Materials and Methods", Section 26 05 33, "Electrical Raceways", and Section 26 05 34, "Electrical Boxes", for installation requirements of the raceway system.

PART 3 - EXECUTION

3.1 INSTALLATION OF RACEWAY SYSTEM:

- A. General: Refer to Section 26 05 01, "Electrical Basic Materials and Methods", Section 26 05 33, "Electrical Raceways", and Section 26 05 34, "Electrical Boxes", for installation requirements of the raceway system.
- B. Sleeves: In riser areas where sleeves are provided for cables through floors, pack sleeves with sufficient UL-listed fire safing insulation or foam to equal the rating of the floor after completion of cable installation.
- C. Receptacles: Provide duplex or fourplex receptacles at security system equipment locations as shown, and Label Circuit I.D.
- D. Misuse: Do not use security system raceways for temporary construction power wiring.
- E. Pull Cords: Provide a polypropylene pull cord in all security system conduits.
- F. Air Plenums: All cable in return air plenums shall be installed in an approved raceway or shall be of a cable construction UL-approved for installation in air plenums. All tie-raps used with cable shall be plenum rated.
- G. Fire Alarm Interface: Fire alarm relays shall be provided to fail-safe unlock all locked security doors in a fire alarm condition.

3.2 COORDINATION:

- A. Prior to installation of the security system provisions, coordinate required provisions with the security system vendor/installer selected for the project. Where conduit and junction box provisions are significantly different from those shown on the Drawings, notify the Architect/Engineer in writing of the requirements. Where minor modifications to provisions are required, they shall be made at no additional cost as a matter of job coordination.

3.3 IDENTIFICATION:

- A. Refer to Section 25 05 05, "Identification for Electrical Systems", for nameplates, identification, and warning signs.
- B. All security system provisions shall be clearly identified to indicate their intended use. Identification in finished areas shall be concealed inside boxes.

END OF SECTION 26 27 24