

## 25000S01 INTEGRATED AUTOMATION – Security Rough-In

- 1.0 All capital projects that include access points from the exterior or from adjacent buildings will include the rough-in of conduit, junction boxes, pull strings, etc. for future security equipment. This includes the construction of new facilities, additions, and renovations. Connecting corridors on all floors and bridges to adjacent buildings, and entrances with limited access such as loading docks, maintenance doors will also be included. The future security equipment will include card swipes/proximity readers, infrared detectors, and magnetic door locks (mag locks). Mag locks will be located on the head of the doorframe. Retractable latches, locksets, and panic hardware are not acceptable.
- 2.0 Each access point will include the following:
  - A. One future location for a card swipe/proximity reader on both the interior and exterior side of the door. Each card swipe/proximity reader location will include a 4-inch junction box with cover and with a single gang plaster ring. The depth of the plaster ring will be sized to fit the finish materials. All cover plates will be specified to match the color, finish, and material of the cover plates used throughout the project. Each location will have one  $\frac{3}{4}$  inch conduit from the junction box stubbed above the ceiling. An additional 4-inch junction box with cover plate will be located above the ceiling on the  $\frac{3}{4}$  inch conduit. A pull string will be installed to facilitate the pulling of future wire.
  - B. A  $\frac{3}{4}$  inch conduit stubbed from above the ceiling to the top of the doorframe for a future mag lock. One conduit will be required for each mag lock. Locations with multiple doors and dual egress doors will require additional conduits. Each conduit will have a 4-inch junction box with cover located above the ceiling. A pull string will be installed in each conduit to facilitate the pulling of future wire.
  - C. One future location for an infrared detector (request to exit detector) on the interior side of the door. The detector location will include a 4-inch junction box with cover centered and directly above the top of the doorframe. Only one detector is required for a door or a set of double doors. Each location will have a  $\frac{3}{4}$  inch conduit from the junction box stubbed above the ceiling. An additional 4-inch junction box with cover plate will be located above the ceiling on the  $\frac{3}{4}$  inch conduit. A pull string will be installed to facilitate the pulling of future wire.
  - D. All conduits stubbed above the ceiling must terminate in an accessible space. If the ceiling adjacent to the egress point is a hard ceiling the conduit must be extended directly to a communication cable tray/wire way or to an area with a drop ceiling. An access door in a hard ceiling is not acceptable to facilitate access for future installation of security equipment.
  - E. All junction boxes above ceiling must be closed with an appropriate cover plate. All cover plates on junction boxes that terminate roughed-in conduit must be clearly marked "Security".
  - F. All conduits will have a pull string installed to facilitate the pulling of future wire.
  - G. All cover plates will be specified to match the color, finish, and material of the cover plates used throughout the project.